CITY OF REDLANDS

CITY COUNCIL
FINANCING AUTHORITY
A G E N D A S
MAY 20, 2025

MARIO SAUCEDO
Mayor
MARC SHAW
Mayor Pro Tempore

PAUL T. BARICH
Council Member

EDDIE TEJEDA
Council Member

DENISE DAVIS
Council Member
***
JEANNE DONALDSON
City Clerk

PHILLIP DOOLITTLE
City Treasurer

CHARLES M. DUGGAN JR.
City Manager

YVETTE M. ABICH GARCIA
City Attorney

5:00 p.m. Open Public Meeting, Public Comment (Closed Session)
6:00 p.m. Open Session (Public Meeting)
* * *
City Council Chambers
Civic Center, 35 Cajon Street, Redlands, California

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A G E N D A

The following information comprises the agenda for the regular meetings of the City Council of the City of Redlands and the Redlands Financing Authority of the City of Redlands at the times noted below in the City Council Chambers, Civic Center, 35 Cajon Street, Redlands, California, on:

TUESDAY, MAY 20, 2025

To join via Zoom on a computer, laptop, or smart device
Please visit www.zoom.us, click on Join a Meeting
Enter the **Meeting ID 896 2789 8341**, then run the Zoom launcher
To join via Zoom with audio only (cell phone or landline):
Dial **1-877-853-5247**
Enter the **Meeting ID 896 2789 8341**

Should the City lose connectivity on Zoom, we will halt the meeting until it can be restored. To check on the status of remote connectivity in the event of an outage, go to the City's website at www.cityofredlands.org or to the City's Facebook page at @CityofRedlands or the Instagram page at @CityofRedlands_CityHall.

In the event the City cannot reestablish Zoom connectivity in a reasonable amount of time, the mayor will adjourn the meeting to a future date.

***PLEASE NOTE**:* Anyone desiring to speak on an agendized item at this meeting may do so during the consideration of that item. Due to time constraints and the number of persons who may wish to give oral testimony, public comments will be limited to three (3) minutes.

- **To provide comment while participating from Council Chambers:**
  - Although it is not required, speakers are encouraged to submit a "Speaker Sign Up Sheet" before the meeting is convened. Forms are available in the Office of the City Clerk or in Council Chambers.
  - After the meeting has convened, you may place the speaker form in the basket at the table along the north wall of the Chambers. Please do not disturb the City Clerk while the meeting is in progress.

- **To provide comment through Zoom (on a computer, laptop, or smart device)**:
  - Click the "Raise Hand" button and the moderator will unmute you when it is your turn to speak

- **To provide comment via audio only (cell phone or landline)**:
  - Dial *9 to "Raise Hand". The moderator will identify you by your area code and last 3 numbers of your telephone number when it is your turn to speak.



PLEASE SILENCE CELL PHONES, PAGERS AND OTHER ELECTRONIC COMMUNICATION DEVICES UPON ENTERING THE CHAMBERS

5:00 P.M.

A. **Call City Council Meeting to Order**

B. **Public Comment**
(Any person wishing to provide public comment on a closed session matter may do so at this time.)

C. **Recess City Council Meeting to a Closed Session**

1. CONFERENCE WITH LEGAL COUNSEL- ANTICIPATED LITIGATION PURSUANT TO GOVERNMENT CODE SECTIONS 54956.9(d)(2) and (e)(3): A point has been reached where, in the opinion of the legislative body of the local agency on the advice of its legal counsel, based on existing facts and circumstances, there is a significant exposure to litigation against the local agency, based on the receipt of a government claim from claimant Crystal Adrianna Martinez threatening litigation (copy available for public inspection in City Clerk's Office).

2. Conference with legal counsel: Anticipated Litigation - Government Code §54956.9(d)(2)(e)(2)
(Assistant City Manager McConnell)
One Case:
a. Facts and circumstances: Consideration of Workers Compensation claim filed by Roy Williamson.

3. Conference with legal counsel: Existing Litigation - Government Code §54956.9(d)(1)
(City Attorney Garcia)
One Case:

    1. Chiakowsky, et, al. v. City of Redlands, et al., San Bernardino Superior Court, Case No. CIVSB2402748

6:00 P.M.

D. **Reconvene City Council Meeting**

E. ***Invocation by Council Member Barich***
Pledge of Allegiance by Kimberly Elementary School Students
(In keeping with long-standing traditions of legislative invocations, this City Council meeting may include a brief invocation. Such invocations are not intended to proselytize or advance any one, or to disparage any other, faith or belief. Neither the City nor the City Council endorses any particular religious belief or form of invocation.)

F. **Closed Session Report**
(No reportable action taken in closed session unless otherwise announced by the City Attorney at this time.)

G. **Public Comment - City Council**
(At this time, the City Council will provide an opportunity for the public to address them on any subject, within the jurisdiction of the City Council, which is not already scheduled on this agenda. However, any matter that requires action will be referred to staff for a report and possible action at a subsequent meeting. Comments will be limited to three {3} minutes.)

H. **Consent Calendar**
(The following routine items have been recommended for approval and will be acted upon simultaneously unless separate discussion and/or action is requested by a Councilmember or a member of the audience.)

1. Approve minutes of the regular meeting of May 6, 2025 (City Clerk Donaldson)

2. Receive and file the Conference Report - March 28, 2025, League of California Community Services Policy Committee Meeting (Mayor Saucedo)

3. Approve the Sole Source Agreement with NewEdge Services, LLC for Software Integration between Cityworks Server and Tyler Munis ERP and other professional services for a total contract not to exceed $59,300, with the option to extend the agreement for future related services (Management Services/Finance Director Garcia)

4. Approve the Professional Services Agreement for Sales, Use and Transactions Tax Audit and Consulting Services with Hinderliter De Llamas & Associates for a period of three (3) years with two (2) one-year Extended Term options in a total amount not-to-exceed $113,300 (Management Services/Finance Director Garcia)

5. Approve the Emergency Medical Services Field Internship Agreement between the City of Redlands and the San Bernardino Community College District (Crafton Hills College), designating the Redlands Fire Department as a Paramedic Clinical Field Internship Training Site for a five-year period, from July 1, 2025, through June 30, 2030 (Fire Chief Sessler)

6. Adopt Resolution No. 8691 establishing the policy for reporting on Staff Vacancies and the City’s Recruitment and Retention Efforts to comply with Government Code Section 3502.3 and Assembly Bill 2561 (Human Resources/Risk Management Director Meteau)

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7. Approve an Event Services Agreement with the University of Redlands to conduct the Redlands Emergency Services Academy at the University's facility, and determine that approval of the agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Police Chief Tolber)

8. Approve an Intergovernmental Purchase of Getac Mobile Data Computers from Code 3 Technologies in the amount of $53,648.25 (Police Chief Tolber)

I. Communications

1. Conference Report - 2025 City County Conference of the San Bernardino County Transit Authority (SBCTA) (Mayor Saucedo)

2. Discussion and possible action regarding South Coast Air Quality Management District's Proposed Amended Rule 1111 (Reduction of NOx Emissions from Natural Gas-Fired Furnaces) and Proposed Amended Rule 1121 (Reduction of NOx Emissions from Residential-Type, Natural Gas-Fired Water Heaters) (Mayor Pro Tem Shaw)

J. Public Hearings

1. Public Hearing to consider Resolution No. 8683 adopting the 2024 Engineering & Traffic Survey report and rescinding Resolution No. 8348, introduction of Ordinance No. 2982 amending Chapter 10.24 of the Redlands Municipal Code confirming prima facie speed limits for specified city streets and determine that approval of the resolution and introduction of the ordinance is exempt from environmental review pursuant to Section 15061(b)(3) of the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

   (Mayor to declare meeting open as a public hearing)

K. New Business

1. Consideration of the First Amendment to the Non-Professional Services Agreement with Yunex LLC, for Traffic Signal Systems Maintenance, to increase the Contractor's scope of services and compensation for additional services in the amount of $340,000 (Facilities and Community Services Director Crocker)

2. Consideration of the Recycled Water Supply Agreement with Southern California Edison and determination that approval of the agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

3. Consideration of FY 25/26 MUED Annual Purchase Orders for a Total Amount Not-to-Exceed $4,852,000 (Municipal Utilities and Engineering Director Harris)

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4. Consideration of the First Amendment to the Non-Professional Services Agreement with Ferguson Enterprises, LLC for the Water Meter Replacement Project to increase the total compensation amount by 2.5% to $6,915,828.08 and determine this action is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

L. **Individual Council Member Announcements and/or Reports on Activities**
(No collective discussion or action.)

M. **Adjournment**
The next regular meeting of the City Council will be held on June 3, 2025.

N. **Redlands Financing Authority**

1. Call regular meeting of the Board of Directors of the Redlands Financing Authority to order

2. **Public Comment - Redlands Financing Authority**
(At this time, the Redlands Financing Authority will provide an opportunity for the public to address them on any subject, within its jurisdiction, which is not already scheduled on this agenda. However, any matter that requires action will be referred to staff for a report and possible action at a subsequent meeting. Comments will be limited to three {3} minutes.)

3. Approve the minutes of the regular meeting of January 21, 2025 (Secretary Donaldson)

4. Adjourn Redlands Financing Authority meeting
The next Redlands Financing Authority meeting will be held on September 16, 2025.

If you challenge any proposed development entitlement listed on this agenda in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the City Council at or prior to this public hearing.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Goutam Dobey, of the Municipal Utilities and Engineering Department at (909) 798-7584 ext 2. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

(28 CFR 35.102-35.104 ADA Title II)

Any writings or documents distributed to a majority of the City Council regarding an

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open session agenda item less than 72 hours before this meeting are available for public inspection at the City Clerk's Office or at the dais of the City Clerk once the open session meeting begins.

Staff reports or other written documentation relating to items referred to on the agenda are available at the A. K. Smiley Public Library, 125 West Vine Street, Redlands, California, and on the City's website referenced below.

Regular meetings are televised live on Redlands TV Channel 3 (Spectrum) and Channel 35 (Frontier) and re-broadcast at 7:00 P.M. the following Wednesday, Friday and Sunday; and at 9:00 A.M. Thursday, Saturday and Monday. Meetings are also streamed live and archived for later viewing on demand on the City's website at www.cityofredlands.org. Agendas, staff reports and minutes of the City Council of the City of Redlands are available online at: www.cityofredlands.org.

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City Council/Financing Authority Meeting **H. 1.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Approve minutes of the regular meeting of May 6, 2025 (City Clerk Donaldson)

MOTION:

I move to approve the regular meeting minutes of May 6, 2025.

Attachments

Regular meeting minutes of May 6, 2025

MINUTES

Regular meeting of the City Council of the City of Redlands held in the Council Chambers, Civic Center, 35 Cajon Street, on May 6, 2025 at 5:00 P.M.

Present:	Mario Saucedo, Mayor Marc Shaw, Mayor Pro Tempore Paul Barich, Council Member Eddie Tejeda, Council Member Denise Davis, Council Member
Staff:	Charles M. Duggan, Jr., City Manager; Yvette M. Abich Garcia, City Attorney; Jeanne Donaldson, City Clerk; Phillip Doolittle, City Treasurer; Janice McConnell, Assistant City Manager; Chris Boatman, Assistant City Manager; Carl Baker, Public Information Officer; Danielle Garcia, Management Services/Finance Director; Brian Desatnik, Development Services Director; John Harris, Municipal Utilities and Engineering Director; Rich Sessler, Fire Chief; Jeremy Floyd, Deputy Police Chief; Tabitha Crocker, Facilities and Community Services Director; Robert Meteau, HR/Risk Management Director

Mayor Saucedo called the meeting to order and explained that comments could be presented in-person, via Zoom, via cell phone or landline. He offered the public an opportunity to provide comment on any item on the agenda for the closed session. City Attorney Garcia announced that Council Member Davis was participating remotely under AB 2449 "Just Cause", due to traveling for her work with a public agency, UC Riverside.

PUBLIC COMMENT

None forthcoming

CLOSED SESSION

CONFERENCE WITH LEGAL COUNCIL- ANTICIPATED LITIGATION PURSUANT TO GOVERNMENT CODE SECTIONS 54956.9(d)(2) and (e)(3): A point has been reached where, in the opinion of the legislative body of the local agency on the advice of its legal counsel, based on existing facts and circumstances, there is a significant exposure to litigation against the local agency, based on the receipt of a government claim from claimant Alexis DeLeon threatening litigation (copy available for public inspection in City Clerk's Office)

Conference with legal counsel: Existing Litigation - Government Code §54956.9(d)(1)
(City Attorney Garcia)
Two Cases:

a. Chiakowsky, et, al. v. City of Redlands, et al., San Bernardino Superior Court, Case No. CIVSB2402748
b. California Department of Housing and Community Development v. Shangri-la Industries, LLC, et al., Los Angeles Superior Court, Case No. 24STCV00629

Conference with real property negotiators - Government Code §54956.8
(Assistant City Manager Christopher Boatman)

Property:	APN: 0292-063-38-0000
Agency Negotiators:	Charles M. Duggan, City Manager; Christopher Boatman, Assistant City Manager
Negotiating Party:	Seth Davis; Managing Director, Arixa Capital
Under Negotiation:	Terms of payment and price for possible purchase of property by the City

Conference with real property negotiators - Government Code §54956.8
(Assistant City Manager Christopher Boatman)

Property:	APN: 0171-191-30-0000
Agency Negotiators:	Charles M. Duggan, City Manager; Christopher Boatman, Assistant City Manager
Negotiating Party:	Char Burgess, President, Redlands Historical Museum Association
Under Negotiation:	Terms of possible transfer of the property

Conference with real property negotiators - Government Code §54956.8
(Assistant City Manager Christopher Boatman)

Property:	APN: 0171-089-13-0000 (21 N. Church St.)
Agency Negotiators:	Charles M. Duggan, City Manager; Christopher Boatman, Assistant City Manager
Negotiating Party:	Zach Smith
Under Negotiation:	Terms of payment and price for possible sale of property by the City

RECONVENE CITY COUNCIL MEETING

The meeting reconvened at 6:20 P.M. Council Member Davis announced that she was unable to attend the meeting in person but would participate remotely under AB 2449 "Just Cause", due to traveling for UC Riverside, a public agency. This is the second of two allowable Just Cause exceptions for her under AB 2449. The invocation was provided by Council Member Davis, and the Pledge of Allegiance to the American flag was conducted by Arroyo Verde Elementary School students.

CLOSED SESSION REPORT

City Attorney Garcia announced that no reportable action was taken during the closed session.

PRESENTATIONS

Proclamation Asian American and Pacific Islander Heritage Month

Mayor Saucedo presented a Proclamation declaring May 2025 as Asian American and Pacific Islander Heritage Month to Hien Huynh, Gayatri Prasad Kattel, and Netra Prasad Dhakal.

PUBLIC COMMENT

Government Accountability - Stephen Rogers said he was embarrassed and offended by the way the City conducts its business. He listed concerns regarding the Tennessee Village Project, and permitting approvals signed off by City employees that were no longer employed. He claimed there was an appearance of employee misconduct, and he called for a review. He urged the Council to adopt an employee code of conduct and code of ethics.

FSA Redlands Hunger Walk & Run - Ipyani Lockert invited everyone to participate in the Redlands Hunger Walk and 5K Run, hosted by Family Service Association. The event is a great fundraising opportunity and is scheduled for June 7, 2025, at the University of Redlands.

Quality of Life - Eleanor Bortowski was curious about a letter she received in the mail, requesting donations to maintain a high standard of public safety in the community. She thought the letter was endorsed by the Council, and she questioned its purpose. City Manager Duggan clarified that the City had not sent any letters to residents asking for donations, and he said he would investigate the matter.

SCAQMD Proposed Rules 1111 & 1121 - Atishma Kant strongly opposed the SCAQMD proposed rules seeking to reduce NOx emissions by transitioning away from gas-fired water heaters and furnaces. She cited the high cost to consumers and the potential for power outages due to an overburdened grid. She reminded the Council that on June

6, 2025, SCAQMD was scheduled to hold a public hearing to make determinations about the proposed rules, and it was critical for the City to take a stand against these proposals.

Transgender Story - Peter Hall read from an article about the life of Jazz Jennings.

Preserving Citrus - Kyle Kenison described his new upstart business, Citridea, developed with the mission to combat and eliminate waste and preserve Redlands citrus heritage. He suggested there was a better path forward than to tear out and replace the historic England grove, and he pushed for the community to work cooperatively and find solutions to allow farmers to harvest and profit as they had in the past.

Various Concerns - Joshua Hall was in support of the recent decision made by RUSD regarding transgender athletes, and he claimed that certain groups were harassing anyone who agreed with the district's determination. He was against the SCAQMD proposed rules banning gas-powered water heaters and furnaces, and he voiced concerns related to illegal immigrants.

RUSD Decision - Robert said the RUSD should make all students feel welcome and not alienate certain groups of people.

Together for Redlands - Bruce Laycook spoke about the positive work being done by Together for Redlands and said he has always known the grassroots organization to bring people together, build up the community and be a positive force.

CONSENT CALENDAR

Minutes

As public comment, Stephen Rogers claimed the City had improperly noticed the Closed Session item on the April 15, 2025, City Council meeting agenda related to the settlement agreement with Travis Martinez. He thought this lacked transparency and left the public in the dark.

On motion of Council Member Eddie Tejeda, seconded by Mayor Pro Tem Marc Shaw, the City Council unanimously approved, by roll call vote, the regular meeting minutes April 15, 2025.

Vote: 5 - 0 Passed

On motion of Council Member Eddie Tejeda, seconded by Mayor Pro Tempore Marc Shaw, the City Council approved, by roll call vote, the special meeting minutes of April 29, 2025.

Vote: 4 - 0 Passed

Other: Council Member Paul Barich (RECUSE)

Proclamation Asian American Pacific Islander Heritage Month

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, the issuance of a proclamation declaring May 2025, as Asian American Pacific Islander Heritage Month.

Vote: 5 - 0 Passed

Proclamation Frontline Workers Appreciation Month

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, the issuance of a proclamation declaring the month of May 2025 as Frontline Workers Appreciation Month.

Vote: 5 - 0 Passed

Citizens' Measure T Oversight Committee Appointments

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously reappointed, by roll call vote, Ruth Cook (District 1) to serve a four-year term on the Measure T Oversight Committee ending April 20, 2029; appointed Melissa Castro (District 2) to serve a four-year term on the Measure T Oversight Committee ending April 20, 2029; and appointed Dr. Sue Teele (District 4) to serve a four-year term on the Measure T Oversight Committee ending April 20, 2029.

Vote: 5 - 0 Passed

Settlement Agreement Disclosure

As public comment, Stephen Rogers objected to the way the City was using Best Best Krieger (BBK) and he insisted this item should not have been placed on the Consent Calendar. He questioned why the original claim was from 2023 and said an open discussion concerning the settlement was critical to building the public's trust. City Attorney Garcia explained this item was on the April 15, 2025, meeting agenda, under Closed Session, and was properly noticed 72 hours in advance, in compliance with the Brown Act. On April 15, upon returning to the Chambers for open session, Ms Garcia reported what occurred in Closed Session, including the vote. Furthermore, on April 16, 2025, Ms Garcia made the settlement agreement public without redaction and also included the minutes of the Closed Session discussion. The public disclosure of the settlement agreement was placed on the open session of tonight's agenda, pursuant to the Redlands Municipal Code. Bruce Laycook suggested the City consider a more transparent approach to keeping the public properly informed about settlement agreements, negotiated in closed session. He thought open dialogue was the key element missing.

On motion of Council Member Eddie Tejeda, seconded by Mayor Mario Saucedo, the City Council approved, by roll call vote, the public disclosure of details of a Settlement Agreement and Release of all Claims between the City of Redlands and Travis Martinez, releasing the other of any and all current and future claims each may have against the other and amicably end their employment relationship. Under the terms of the agreement, Mr. Martinez will submit an application for service retirement with CalPERS and the City agrees to pay Mr. Martinez $871,956.00.

Vote: 4 - 1 Passed

NAY: Council Member Paul Barich

Adoption of Ordinance No. 2981 Appointing Planning Commissioners

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously adopted, by roll call vote, Ordinance No. 2981 amending Section 2.36.020 of the Redlands Municipal Code relating to the appointment of members of the Planning Commission.

Vote: 5 - 0 Passed

Final Tract Map No. 20473 Approval

As public comment, Stephen Rogers voiced concerns about the processing of the Final Tract Map No. 20473, filed by Tri Pointe Homes, citing that he thought the item was wrongly placed on the Consent Calendar. He disagreed with the process allowing the Planning Commission to approve the Tentative Tract Map, which he said creates a situation whereby the Council is unaware of the project. Rick Rush, of Tri Pointe Homes, pointed out that Redlands was consistent with other municipalities within California, who regularly approve final maps through the consent calendar and authorize their planning commissions to approve tentative tract maps.

On motion of Council Member Eddie Tejeda, seconded by Mayor Mario Saucedo, the City Council unanimously approved, by roll call vote, the Final Tract Map No. 20473, as filed by Tri Point Homes for the subdivision of approximately 37.9 acres into 98 single-family residential lots and 20 lettered (open space) lots at the southwest corner of East San Bernardino and Wabash Avenues.

Vote: 5 - 0 Passed

Resolution No. 8651 SLD & LMD Assessments

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously determined, by roll call vote, that the adoption of Resolution No. 8651 is exempt from environmental review pursuant to the general rule of the California Environment Quality Act (CEQA) guidelines, adopted Resolution No. 8651 initiating proceedings to continue levying assessments, appointing an assessment engineer, and ordering the preparation of the Engineer's Reports for Street Lighting District No. 1 and Landscape Maintenance District No.1; and rescind Resolution No. 8542.

Vote: 5 - 0 Passed

Redlands Fourth of July Celebration In-Kind Support

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously determined, by roll call vote, that authorization for the items associated with the Fourth of July Celebration event to be held on Friday, July 4, 2025, are exempt from environmental review pursuant to Section15311(c) of the State's guidelines implementing the California Environmental Quality Act; authorized and approved the expenditure of city resources and in-kind support in the amount of $58,001.34 for the Fourth of July Celebration to be held on Friday, July 4, 2025; authorized and approved the temporary street closures as detailed in the staff report for the event and authorized and approved the sale and consumption of alcoholic beverages at the Fourth of July Celebration on Friday, July 4, 2025.

Vote: 5 - 0 Passed

Cooperative Purchase Toyota 50-8FG45U Forklift

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, the cooperative purchase of a Toyota 50-8FG45U Forklift from Crown Lift for an amount of $75,865.

Vote: 5 - 0 Passed

Amending Agreement San Timoteo Canyon, Live Oak Canyon & Alessandro Road Drainage Study

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, the First Amendment to the Agreement with Watearth, Inc. for the San Timoteo Canyon, Live Oak Canyon, and Alessandro Road drainage study, to incorporate additional tasks, extend the term, and increase the total agreement amount from $128,377 to an amount not to exceed $159,901.

Vote: 5 - 0 Passed

Contract Award HVAC System at Joslyn Sr. Center

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously determined, by roll call vote, that the project is exempt from environmental review in accordance with Section 15304 of the State's guidelines implementing the California Environmental Quality Act; approved the Public Works Construction Contract with Mesa Energy Systems, Inc. for the HVAC Replacement Project at Joslyn Sr. Center in an amount not to exceed $185,884; and approved the additional appropriation in the amount of $71,173 to allocate funds from the Joslyn Sr. Center donation reserve account.

Vote: 5 - 0 Passed

Resolution No. 8682 Emergency Paramedic Services Special Tax

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously adopted, by roll call vote, Resolution No. 8682 establishing the rate for the voter-approved special tax for emergency paramedic services for Fiscal Year 2025-2026.

Vote: 5 - 0 Passed

MOU for Mutual Beneficial Collaboration PulsePoint Respond

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, the Memorandum of Understanding (MOU) between the City of Redlands and the Indiana University School of Public Health-Bloomington for Mutual Beneficial Collaboration to utilize PulsePoint Respond to send notifications to community members about overdose prevention and naloxone.

Vote: 5 - 0 Passed

Cityworks Software License Purchase

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, the software license purchase with Azteca Systems, LLC for the Cityworks permitting/work order software and support for a 1-year term for a total cost of $51,810.89.

Vote: 5 - 0 Passed

Amending Agreement Business License Services

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, the First Amendment to the Agreement with Hinderliter de Llamas and Associates for Business License Services, updating the contingency fee structure related to compliance, discovery, and collection services.

Vote: 5 - 0 Passed

Adopt Resolution No. 8681 Policy on Discontinuation of Residential Water Service

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, Resolution No. 8681 revising the Policy on Discontinuation of Residential Water Service for Non-Payment and rescinding Resolution No. 8647. Staff revised the Policy on Discontinuation of Residential Water Service for Non-Payment to correct an issue by reinstating the appeals process as adopted in 2019 under Resolution No. 8048. The corrected appeals process allows customers to dispute their water bill before a designated Board.

Vote: 5 - 0 Passed

Contract Award HSIP Cycle 10 Enhanced Crosswalk Project

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously determined, by roll call vote, that approval of a construction contract and construction of the HSIP Cycle 10 Enhanced Crosswalk Project, Project No. S400021, HSIP-5083(027), are categorically exempt from environmental review pursuant to Section 15301(c) of the State's guidelines implementing the California Environmental Quality Act; approved the HSIP Cycle 10 Enhanced Crosswalk Project plans and specifications; rejected the bid submitted by JT Construction Group as a nonresponsive bid; and awarded a construction contract to Elecnor Belco Electric, Inc. in the amount of $248,067.

Vote: 5 - 0 Passed

PO Lease Renewal of Automated License Plate Recognition Cameras

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously approved, by roll call vote, a sole source purchase order with Flock Group, Inc. for the renewal of leases of automated license plate recognition cameras for an amount not to exceed $99,500.

Vote: 5 - 0 Passed

COMMUNICATIONS

2025 SCAG Regional Conference Reports

Council Member Davis and Mayor Pro Tem Shaw each provided reports relating to their attendance at the 2025 Regional Conference of the Southern California Association of Governments (SCAG) and General Assembly held May 1-2, 2025, at the JW Marriott Desert Springs Resort & Spa in Palm Desert. The conference brings together local and regional leaders to share and learn from each other about the future of mobility, housing and communities, the environment, and the economy. They highlighted their top experiences, including sessions on Smart Cities and Smart Regions: Advancing Mobility Strategies and Technology Innovations and Creating a Regional Legacy for the 2028 Summer Olympics and Paralympics. They were grateful for the opportunity to represent the City.

NEW BUSINESS

Contract Award Citrus Avenue Parking Structure Maintenance and Repair Project

Facilities and Community Services Director Crocker presented the Public Works Construction Contract with Angelus Waterproofing & Restoration, Inc. for an amount not-to-exceed $648,548 for the Citrus Avenue Parking Structure Maintenance and Repair Project. The structure is generally in fair condition. However, the structural elements require repairs to enhance the structure's durability and extend its service life. It is anticipated the project will be completed within thirty working days after a Notice to Proceed is issued.

On motion of Mayor Mario Saucedo, seconded by Mayor Pro Tempore Marc Shaw, the City Council determined, by roll call vote, that approval of a Public Works Construction Contract with Angelus Waterproofing & Restoration, Inc. for the Citrus Avenue Parking Structure Maintenance and Repairs Project is categorically exempt from environmental review in accordance with Section 15301(d) of the State's guidelines implementing the California Environmental Quality Act; approved the Citrus Avenue Parking Structure Maintenance and Repairs Project plans and specifications; and awarded a Public Works Construction Contract to Angelus Waterproofing & Restoration, Inc. for an amount not-to-exceed $648,548.

Vote: 4 - 1 Passed

NAY: Council Member Eddie Tejeda

Contract Award Ford Park Restroom Replacement Project

Facilities and Community Services Director Crocker reviewed the Public Works Contract with Metrocell Construction, Inc. for an amount not-to-exceed $850,600 for the Ford Park Restroom Replacement Project. The restroom facility, located near the dog park at Ford Park, is currently out of service and in need of replacement to support park patrons. The new facility will expand the current restroom's capacity to include two restrooms with a total of six stalls (two of which are ADA-compliant), two urinals, and four sinks. Additionally, ADA-compliant walkways will be installed, providing access to the new restroom facility from the western section of the park, which includes the dog park and fishing ponds.

On motion of Council Member Paul Barich, seconded by Council Member Eddie Tejeda, the City Council unanimously determined, by roll call vote, that approval of the public works contract with Metrocell Construction, Inc. for the Ford Park Restroom Replacement Project is exempt from environmental review pursuant to Section 15302(c) of the State's guidelines implementing the California Environmental Quality Act; approved an award of the public works construction contract to Metrocell Construction, Inc in the amount of $850,600 for the Ford Park Restroom Replacement Project No. FCS102224DC; and approved the additional appropriation from the Park Development Fund (250) in the amount of $135,660.

Vote: 5 - 0 Passed

On-Call Sewer Collection System Maintenance Services Agreement

Municipal Utilities and Engineering Director Harris reported on a Non-Professional Services Agreement with Houston & Harris PCS, Inc. for on-call sewer collection system maintenance services with an initial one-year term value not-to-exceed $250,000 with options to extend for two additional years for a total potential amount not-to-exceed $750,000. In addition to supporting the wastewater collection system, the contractor may also be called upon to assist with specialized cleaning services at the WWTP. Routine cleaning is necessary to maintain process efficiency, prevent mechanical issues, and ensure continued regulatory compliance.

On motion of Council Member Paul Barich, seconded by Council Member Eddie Tejeda, the City Council unanimously determined, by roll call vote, that approval of a Non-Professional Services Agreement with Houston & Harris PCS, Inc. is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and approved the Non-Professional Services Agreement with Houston & Harris PCS, Inc. with Houston & Harris PCS, Inc. for on-call sewer collection system maintenance services with an initial one (1) year term value not-to-exceed $250,000 with options to extend for two (2) additional years for a total potential amount not-to-exceed $750,000.

Vote: 5 - 0 Passed

Contract Award OBT Phase 4 Project

Municipal Utilities and Engineering Director Harris provided background on the Public Works Construction Contract with Tryco General Engineering for the Orange Blossom Trail Phase 4 Project for an amount not-to-exceed $960,145. The Orange Blossom Trail Phase 4 is the final remaining segment to complete the 7.5-mile Orange Blossom Trail within the City of Redlands. Once constructed, it will connect the City’s east and west termini to parks and open space areas, including the Santa Ana River, Crafton Hills, and San Timoteo Canyon. The Project includes construction of approximately 0.75 miles of a multi-use path along the Mission Channel, extending from Redlands Boulevard to a recently constructed trail segment between the north side of the I-10 Freeway and Mountain View Avenue.

On motion of Mayor Pro Tempore Marc Shaw, seconded by Council Member Eddie Tejeda, the City Council unanimously determined, by roll call vote, that approval of a Public Works Construction Contract with Tryco General Engineering for the Orange Blossom Trail Phase 4 Project is categorically exempt from environmental review in accordance with Section 15301(c) of the State's guidelines implementing the California Environmental Quality Act; approved the Orange Blossom Trail Phase 4 Project plans and specifications; and awarded a Public Works Construction Contract to Tryco General Engineering for an amount not-to-exceed $960,145.

Vote: 5 - 0 Passed

Resolution No. 8675 Construction Installment Sale Agreement WWTP Upgrades Project

Municipal Utilities and Engineering Director Harris explained the need for Resolution No. 8675 authorizing the execution of a Construction Installment Sale Agreement with the State Water Resources Control Board (SWRCB) for the construction of the Wastewater Treatment Plant Upgrades Project, to prepare and submit required project documents, and to dedicate revenues from the Wastewater debt service fund as the source of revenue for loan payments,

On December 7, 2021, the City Council authorized the City Manager or his designee to sign and submit a Clean Water State Revolving Fund (CWSRF) loan application to the SWRCB for construction of the Wastewater Treatment Plant (WWTP) Phase 2 Project. The goals of the Project are to upgrade and modernize the wastewater treatment process components, to improve reliability through system redundancy, and to improve or repair various on-site facilities necessary to treat projected inflows associated with population growth. The SWRCB reviewed the Project loan application and, in conjunction with the City Attorney's Office, prepared the Installment Sale Agreement (ISA), which requires City Council adoption of a closing resolution, Resolution No. 8675, and authorizes the City Manager or his designee to execute the ISA on behalf of the City. The ISA does not obligate the City to borrow funds, but provides a maximum of $45,000,000 in Project funding, pending the City's approval of a construction contract. The CWSRF loan interest rate is 1.8% and the term is for thirty years. The SRF loan may be used for project construction, construction contingencies, and construction management costs.

As public comment, Stephen Rogers said a full EIR should have been conducted in order to define what the WWTP needed. He criticized the effort as piecemeal, added there was no master plan, and thought the state would reject the loan application without a full environmental review. Director Harris clarified that the project underwent a full CEQA review of the whole project, with the state's approval and there was no risk of the City not securing the $45 million loan based on CEQA.

On motion of Council Member Eddie Tejeda, seconded by Council Member Paul Barich, the City Council unanimously determined, by roll call vote, that adoption of Resolution No. 8675 is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; adopted Resolution No. 8675 approving the Construction Installment Sale Agreement with the State Water Resources Control Board and authorizing the execution of the Agreement by the City Manager or his designee; and approving the preparation and submission of required project documents and the dedication of revenues from the Wastewater debt service fund as the source of revenue for loan payments.

Vote: 5 - 0 Passed

COUNCIL MEMBER ANNOUNCEMENTS AND ACTIVITIES

Mayor Saucedo attended a Council briefing with staff, the Chamber's Rise & Shine program, the Celebration of Life in honor of Officer Seth Franklin, enjoyed Earth Day activities at Gateway Ranch, and was proud to participate in the Pledge of Allegiance Flag Ceremony led by Kingsbury Elementary first-graders at the Burrage Mansion.

Mayor Pro Tem Shaw stated he intended to submit a written list of activities in advance of the next Council meeting.

Council Member Barich participated in Earth Day activities despite the rain, attended a ceremony honoring four

recent Eagle Scout recipients, and enjoyed the Pledge of Allegiance Flag Ceremony led by Kingsbury Elementary first-graders at the Burrage Mansion,

Council Member Tejeda attended the Redlands Public Market ribbon-cutting ceremony, met with University of Redlands President Krista Newkirk for an update on the University Village project, visited TuckerWorks Couples Workshops located on Colton Avenue, and participated in Earth Day activities.

Council Member Davis enjoyed the AAUW FilmFest, participated in Earth Day activities, and attended the SCAG conference.

ADJOURNMENT

There being no further action required the meeting adjourned at 7:53 P.M. The next regular meeting of the City of Redlands City Council will be held on May 20, 2025.

City Council/Financing Authority Meeting **H. 2.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Receive and file the Conference Report - March 28, 2025, League of California Community Services Policy Committee Meeting (Mayor Saucedo)

MOTION:

I move to receive and file the conference report by Mayor Saucedo for the League of California Community Services Policy Committee meeting held on March 28, 2025.

DISCUSSION:

On March 28, 2025, Mayor Saucedo attended the 2025 League of California Community Services Policy Committee Meeting held in Burbank, California at the Marriott Burbank Airport Hotel. The Community Services Policy Committee reviews issues related to childcare, parks and recreation, libraries, natural disaster preparation, cultural arts, and community and human services programs.

In accordance with Resolution No. 7938 Section 7, each Council Member shall briefly report, either verbally or by written report, on meetings attended at city expense. Due to an administrative oversight, a meeting report was not agendized for the April 1, 2025, City Council meeting. Attached is a copy of the March 28, 2025,meeting agenda outlining the policy issues presented at the meeting. This serves as the conference report by Mayor Saucedo.

Attachments

Community Services Policy Committee Meeting Agenda March 28, 2025

COMMUNITY SERVICES POLICY COMMITTEE
Friday, March 28, 2025
10:00 a.m. - 2:00 p.m.
Marriott Burbank Airport Hotel, Academy 2

AGENDA

I. Welcome and Introductions
Speakers: *Chair, James Kyriaco, Council Member, Goleta*
Vice-Chair, Tamala Takahashi, Vice Mayor, Burbank

II. Public Comment

III. Presentation: Governor's Homelessness Initiatives *Informational*
Speaker: *Hafsa Kaka, Senior Advisor on Homelessness, Office of Governor Gavin Newsom*

IV. Presentation: Home Again Los Angeles *Informational*
Speaker: *Albert Hernandez, Chief Executive Officer, Home Again Los Angeles*

V. Update: City of Napa Senate Budget Sub-Committee Testimony *Informational*
Speaker: *Molly Rattigan, Deputy City Manager, City of Napa*

VI. Legislative Agenda *(Attachment A)* *Action*
Speaker: *Caroline Grinder, League of California Cities*
1. AB 543 (González) Medi-Cal: Street Medicine.

VII. Legislative and Budget Update *Informational*
Speaker: *Caroline Grinder, League of California Cities*
Cal Cities Community Services Sponsored Bills can be found here.

VIII. Adjourn

REMINDER: To better understand how cities are responding to homelessness, Cal Cities requests that cities complete this **brief survey**. Please check with your city manager to ensure your city has submitted this survey.

Next Meeting - Virtually: Friday, June 13, 9:30 a.m. – 12:30 p.m.

Brown Act Reminder: The League of California Cities' Board of Directors has a policy of complying with the spirit of open meeting laws. Generally, off-agenda items may be taken up only if:
1) Two-thirds of the policy committee members find a need for immediate action exists and the need to take action came to the attention of the policy committee after the agenda was prepared (Note: If fewer than two-thirds of policy committee members are present, taking up an off-agenda item requires a unanimous vote); or
2) A majority of the policy committee finds an emergency (for example: work stoppage or disaster) exists.
A majority of a city council may not, consistent with the Brown Act, discuss specific substantive issues among themselves at League meetings. Any such discussion is subject to the Brown Act and must occur in a meeting that complies with its requirements.

ATTACHMENT A

COMMUNITY SERVICES POLICY COMMITTEE
Legislative Agenda

Staff: Caroline Grinder, Legislative Advocate, Community Services
Betsy Montiel, Legislative Affairs and Policy Analyst

1. AB 543 (González) Medi-Cal: street medicine.

Bill Summary:
This measure would enable street medicine providers to more effectively utilize Medi-Cal to deliver healthcare services to individuals experiencing homelessness.

Bill Description:
AB 543 has several key provisions, including:

1) Presumptive Eligibility:
This measure establishes a program of presumptive eligibility for Medi-Cal providers, including street medicine teams, to grant immediate, full-scope Medi-Cal coverage to individuals experiencing homelessness. This presumptive eligibility aims to enable providers to enroll individuals in Medi-Cal immediately, facilitating faster access to on-site medical services.

2) Data Sharing and Coordination:
This measure requires Medi-Cal and the California Statewide Automated Welfare System to establish a homelessness identifier within Medi-Cal and share data on the status of Medi-Cal applicants or beneficiaries experiencing homelessness to enable better tracking for service coordination, and connection to eligible benefits and programs.

3) Medi-Cal Managed Care Plan Requirements:
This measure requires Medi-Cal managed care plans to allow beneficiaries experiencing homelessness to seek covered services directly from any participating Medi-Cal provider, irrespective of network assignments such as primary care providers.

Background:
Securing investments to address homelessness and increase affordable housing is one of Cal Cities' top priorities this year. California is home to 187,000 unhoused individuals, accounting for 66% of the nation's unsheltered population. The mortality rate for people experiencing homelessness is ten times higher than that of housed individuals.

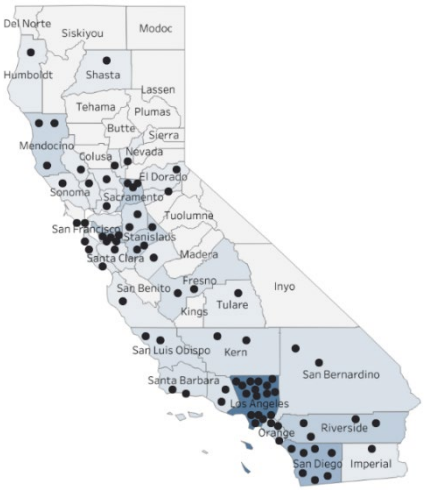
Data suggests that while over 70% of this population is enrolled in Medi-Cal, only 8% have seen a primary care provider, compared to 82% of the general population. Street

medicine seeks to address these challenges by delivering healthcare and social services directly to people experiencing unsheltered homelessness in their living environments, such as under bridges, along riverbanks, and in encampments.

Street medicine teams provide full-scope primary care, including diagnostics, medications, wound care, psychiatry, mental health and substance use treatment, and care coordination. In fact, over 70% of street medicine programs provide full-scope primary care, behavioral healthcare, and treatment for substance use disorders and over 80% dispense medication. Additionally, street medicine teams assist individuals in securing housing and other essential services to exit homelessness.

In recent years, the state and federal government have prioritized street medicine. This includes initiatives such as California Advancing and Innovating Medi-Cal (CalAIM). CalAIM is a multi-year program that aims to provide more integrated, person-centered care. These efforts aim to integrate physical health, behavioral health, and social services to support individuals experiencing homelessness, those with chronic medical conditions, and people involved in the justice system. CalAIM initiatives will span a multi-year period, with the first reforms implemented in January 2022 and additional reforms phased in through 2027. Street medicine directly aligns with CalAIM's primary goal to identify and manage comprehensive needs through whole-person care approaches and social drivers of health.

Additionally, the Department of Health Care Services (DHCS) issued an All Plan Letter in 2022 and 2024 to Medi-Cal managed care health plans on the opportunities to use street medicine to address the health needs of Medi-Cal members experiencing unsheltered homelessness. Previously, street medicine programs had to cobble together funding to cover their costs. This change allowed street medicine programs to get reimbursed for important functions like care coordination and to cover the cost of important nonclinical members of street medicine care teams, like community health workers, neither of which have historically been billable services.



These efforts have facilitated reimbursement for street medicine and contributed to the field's rapid growth, with programs expanding from just six in 2018 to over 66 in 2025 across 35 counties.

According to the sponsors of AB 543, street medicine significantly increases access to care, reduces hospital admission and hospital stays, improves chronic disease management, and even enhances opportunities for housing placements. However, current Medi-Cal policies limit data tracking and exchange of information while also imposing constraints due to Medi-Cal delegation. These barriers prevent street medicine teams from delivering timely care, even when directly in front of patients needing critical care.

AB 543 seeks to address these gaps by ensuring that people experiencing homelessness can access Medi-Cal-covered services without unnecessary delays or administrative

barriers. The bill streamlines care delivery by establishing presumptive eligibility, expanding access to street medicine services, and introducing a homelessness identifier code within Medi-Cal systems. The goals outlined in this measure would improve health outcomes, reduce preventable deaths, lower avoidable hospital costs, and enhance coordination between health and social service systems.

Existing Cal Cities Policy:

Housing for Homeless

Homelessness is a statewide problem that disproportionately impacts specific communities. The state should make funding and other resources, including enriched services, and outreach and case managers, available to help assure that local governments have the capacity to address the needs of the homeless in their communities, including resources for regional collaborations.

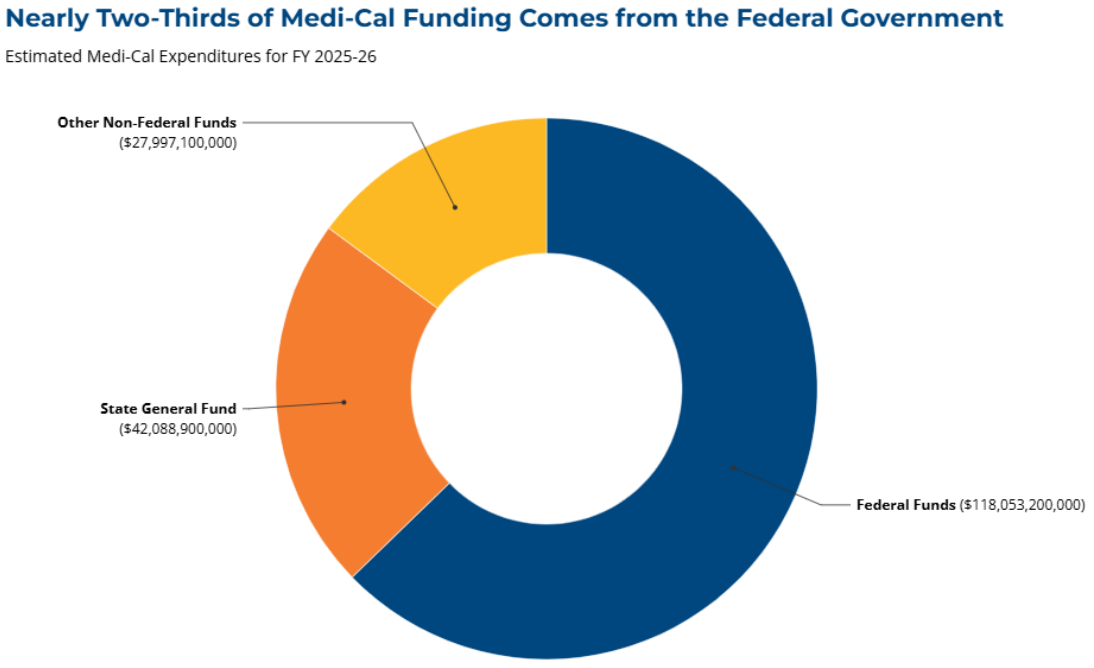
Behavioral Health

Cal Cities supports additional funding and resources to expand access to behavioral health services, including efforts to assist California's homeless population, especially those individuals experiencing mental health and substance use disorders. This includes, but is not limited to, supporting counties in expanding community based care settings to provide for prevention, intervention, treatment, infrastructure, and recovery systems.

Substance Use

Cal Cities supports additional funding and resources to address the substance use crisis through appropriate prevention and intervention efforts, educational awareness campaigns, and increased access to life-saving overdose treatment aids such as naloxone.

Fiscal Impact:



Medi-Cal is primarily funded by the federal and state government. The federal government contributes a share of the costs through the Federal Medical Assistance Percentage (FMAP) formula. In California, nearly two-thirds of Medi-Cal funding comes from the federal government. Medi-Cal covers one in three Californians.

Members of Congress have floated cuts to Medicaid to offset tax cuts. Federal cuts to Medicaid could lead to a significant budget shortfall in California, forcing the state to make difficult choices such as reducing Medi-Cal benefits, limiting provider payments, or restricting eligibility. If federal funding losses were to approach or exceed $10 billion per year, California could not replace federal funds with existing state resources alone.

In the absence of federal funding cuts, AB 543 strengthens CalAIM alignment, potentially making it easier for cities to leverage state resources instead of using general fund dollars for homeless health outreach. The author's office argues that AB 543 simply opens a new pathway for unhoused individuals to access care through an existing reimbursable service – street medicine.

Staff Comments:
AB 543 aligns with Cal Cities' existing policy that supports expanded access to behavioral health services for California's homeless population. However, Cal Cities has not previously engaged in Medi-Cal or street medicine issues. Committee members are encouraged to consider how this proposal relates to cities and the impacts of expanded access to street medicine in communities.

Support:
California Street Medicine Collaborative (Co-Sponsor)
University of Southern California (Co-Sponsor)
California State Association of Psychiatrists
National Alliance to End Homelessness (NAEH)
Street Medicine Institute (SMI)
CommuniCare+OLE
Elica Health Centers
Homeless Outreach Program Integrated Care System (HOPICS)
Capital Compassion

Opposition:
No registered opposition at this time.

Staff Recommendation:
Staff recommends the committee discuss AB 543 and make a position recommendation to the Cal Cities Board of Directors.

Committee Recommendation:

Board Action:



AB 543 - STREET MEDICINE

Fact Sheet

Bill Summary

AB 543 establishes presumptive eligibility for people experiencing homelessness to receive full Medi-Cal coverage, allowing Medi-Cal providers, including street medicine teams, to establish eligibility on the spot and provide immediate care.

AB 543 prohibits Medi-Cal managed care plans (MCPs) and their delegates from denying care based solely on network assignment.

AB 543 requires Medi-Cal and the state's welfare system to share data on homelessness status by introducing a homeless identifier code, enabling better tracking, service coordination, and connection to eligible benefits and programs.

Existing Law

Establishes the Medi-Cal program, administered by the DHCS, under which low-income individuals are eligible for medical coverage. (WIC §14000)

Provides presumptive eligibility for targeted population, including pregnant persons, children, and patients at qualified hospitals. (WIC §14011)

Background

California is home to 66% of the country's unsheltered population, and 28% of the nation's total homeless population. Over 187,000 people live on the streets in the state, facing severe health challenges and a mortality rate ten times higher than the general population, largely due to barriers in accessing care.

Although over 70% of this population is enrolled in Medi-Cal, only 8% have access to a primary care provider. Due to capitated payment models, MCPs and primary care providers (PCPs) continue to receive reimbursement from DHCS, with a federal match, even while failing to provide care to the remaining 92% of enrollees. This lack of access prevents exits from homelessness, leads to premature deaths, and results in unnecessary suffering.

Street medicine addresses these challenges by delivering healthcare and social services directly to people experiencing unsheltered homelessness in their living environments, such as under bridges, along riverbanks, and in encampments. Street medicine teams provide full-scope primary care, including diagnostics, medications, wound care, psychiatry, mental health and substance use treatment, and care coordination. Additionally, they assist individuals in securing housing and other essential services to exit homelessness.

In recent years, state and federal entities have prioritized street medicine. This includes initiatives such as CalAIM, DHCS's All Medi-Cal Managed Care Plans Letter (APL 24-001), and the Center for Medicare and Medicaid Services' development of the Place of Service Code 27 for street medicine. These efforts have facilitated reimbursement for street medicine and contributed to the rapid growth of the field, with programs expanding from just six in 2018 to over 66 by 2025.

The California Street Medicine Collaborative, which convenes 175 member organizations from 35 counties, includes medical providers, health plans, community-based organizations, and other stakeholders. This collaborative works to scale the street medicine model, advance best practices, and address policy challenges. Alongside DHCS, these organizations have been working diligently to improve care for unsheltered individuals in California. Their efforts aim to increase system visibility through a homeless identifier, enroll eligible individuals in Medi-Cal more efficiently, and

For More Information: Brad Fingard, Legislative Director | Brad.Fingard@asm.ca.gov | (916) 319 2054

streamline care by reducing bureaucratic barriers within Medi-Cal that hinder service delivery in street-based environments.

Need for AB 543

Evidence-based models like street medicine are recognized as best practices in homeless healthcare. They significantly increase access to care, reduce hospital admission and hospital stays, improve chronic disease management, and even enhance housing placements. However, current Medi-Cal policies limit data tracking and exchange while also imposing constraints due to Medi-Cal delegation. These barriers prevent street medicine teams from delivering timely care, even when directly in front of patients.

AB 543 addresses these gaps by ensuring that people experiencing homelessness can access Medi-Cal-covered services without unnecessary delays or administrative barriers. By establishing presumptive eligibility, expanding access to street medicine services, and introducing a homelessness identifier code within Medi-Cal systems, the bill streamlines care delivery. This approach improves health outcomes, reduces preventable deaths, lowers avoidable hospital costs, and enhances coordination between health and social service systems. It ensures that Medi-Cal members can access the benefits to which they are entitled, regardless of their housing status.

Support

California Street Medicine Collaborative (Co-Sponsor)
University of Southern California (Co-Sponsor)
California State Association of Psychiatrists (CSAP)

For More Information: Brad Fingard, Legislative Director | Brad.Fingard@asm.ca.gov | (916) 319 2054



AB 543 (Mark Gonzalez)
Medi-Cal: Street Medicine
Frequently Asked Questions (FAQ)

1. What is in AB 543?

AB 543 introduces three critical reforms aimed at removing barriers to Medi-Cal access for individuals experiencing homelessness:

- Ensures unhoused Medi-Cal members have access to Medically Necessary Services (MNS) by prohibiting denials based solely on Medi-Cal Managed Care Network Assignment, regardless of delegation (PCP/IPA).
    - **Issue this addresses:** Medi-Cal contracted street medicine providers are unable to order medically necessary services (MNS) that would typically need prior authorization – such as Durable Medical Equipment (DME) like wound care supplies or wheelchairs, diagnostic studies like X-rays, or a referral to specialty care – because they are not the patient's assigned PCP or within the IPA, even though the patient themselves is a member. This results in increased morbidity, mortality, and suffering for patients.

- Allows Presumptive Eligibility (PE) for people experiencing homelessness. PE provides immediate Medi-Cal coverage, bypassing the usual 4-6 weeks delay in approval. Currently, this is given to children, people who are pregnant, and hospitals. AB 543 permits any Medi-Cal contracted provider treating an unhoused person to assist them in obtaining coverage.
    - **Issue this addresses:** Individuals experiencing homelessness encounter delays in accessing critical health care due to a lack of Medi-Cal coverage, despite being eligible. When they enroll in Medi-Cal, the process takes weeks. This often results in delayed care and worsened health outcomes.

- Creates a homeless indicator and data exchange process to improve coordination and access to already existing benefits.
    - **Issue this addresses:** Existing administrative systems for accessing benefits for low-income persons (e.g., Medi-Cal, CalSAWS, CalAIM programs) lack a definitive identifier for individuals experiencing homelessness, making it difficult to determine eligibility, track benefits received, or ensure access to future programs for which they would benefit. This leaves government systems, health plans, and health care providers to develop their own proprietary methods of identification which are incomplete, untethered to the system, and vary widely in quality.

2. Why is AB 543 needed?

California has the largest population of unsheltered individuals in the country, with over 187,000 people experiencing homelessness. Currently, Medi-Cal's network-based system results in delays and service denials for people experiencing homelessness. Although a vast majority of people who are unsheltered are enrolled in Medi-Cal and have an assigned primary care provider (PCP), very few can access their PCP. AB 543 establishes three critical reforms that improve access to full Medi-Cal coverage for people experiencing homelessness, allowing Medi-Cal providers, including street medicine teams, to establish eligibility on the spot and provide immediate, life-saving care.

3. Are unhoused patients really being denied medically necessary services (MNS) based solely on their Medi-Cal Managed Care Network Assignment?

Yes. After enrollment in Medi-Cal, members are assigned to a Managed Care Plan (MCP), then the MCP assigns them to a PCP, sometimes through an Independent Practice Association (IPA). The MCP, IPA, and PCP receive a per-member-per-month payment regardless of whether the patient is seen—and in many cases, they are not. The problem is that the assigned PCP acts as gatekeepers to many MNS, including:

- **Diagnostic tests** (e.g., X-rays, Ultrasounds, CT scans)
- **Specialist referrals** (e.g., Cardiology, Neurology, Oncology)
- **Durable Medical Equipment** (e.g., wheelchairs, oxygen tanks, wound care supplies)

Despite providing care on the street, and permitted by state professional licensure, street medicine providers can't order these basic but lifesaving services because they aren't the patient's assigned PCP, even in instances where the street medicine provider is contracted with the patient's MCP. AB 543 allows street medicine providers to order MNS within the patient's network and IPA, even if they are not the assigned PCP.

4. What are some real-life examples of patients being denied medically necessary services?

Here is one street medicine provider's firsthand experience attempting to access MNS for their Medi-Cal Managed Care patients on March 10, 2025:

> **Patient 1:** An electrician with severe sciatica living in a doorway needed an X-ray to begin treatment and return to work. His street medicine provider has spent eight weeks attempting to coordinate an appointment with his assigned PCP to place an X-ray order the provider is licensed to order directly. He remains in chronic pain and unable to work.
>
> **Patient 2:** A married patient who cares for her sick husband, both living in a tent, suffers with epilepsy. The street medicine provider is unable to order the needed EEG and neurology referral because street medicine isn't the assigned PCP, although licensed to order those tests. There is not established relationship with the assigned PCP, resulting in denial by the PCP to order on behalf of street medicine.
>
> **Patient 3:** A 72-year-old man, formerly a Long Beach State football player and now living under the freeway, has a history of two strokes and presented with an irregular heartbeat—highly suggestive of atrial fibrillation, placing him at significant risk for another stroke. Street Medicine is unable to order an EKG, an echocardiogram, or a cardiology referral because they aren't the PCP, although licensed to do so. Instead, they had to arrange and pay for a rideshare to his assigned PCP, whom he had never seen, delaying potentially life-saving treatment. The street medicine provider has a contract with their Managed Care Plan and will get reimbursed for the visit, but the patient is still unable to access care.

Patient 4: A young woman with dreams of becoming a nurse developed a seizure disorder after being hit by a car five years ago. Thanks to anti-seizure medications prescribed by street medicine, she had been seizure-free for three months while waiting for her PCP to order an EEG and neurology referral—both of which street medicine is legally permitted to order. Two weeks ago, her medications were stolen, but her insurance refused to refill them, citing it was "too early to refill." Last week, she suffered another seizure and was taken to the hospital, only to be discharged with instructions to follow up with her PCP—whom she has been unable to see despite three months of trying. Meanwhile, street medicine remains unable to order the EEG and neurology referral she needs to manage her condition. The PCP is held to quality metrics for post-hospital follow-up, which was met by the street medicine team's visit, but the patient still lacks access to diagnostic testing.

Patient 5: "Papa," named for the care he provides to others in his encampment, has been diagnosed with Hepatitis C. Five years ago a mass was discovered on his liver, raising concerns about cancer. To begin Hepatitis C treatment and determine whether the mass is cancerous, he needs a CT scan—yet street medicine was unable to order it because they aren't the PCP. The patient declines to go to his PCP because he's afraid to leave his belongings which will be stolen, resulting in an impossible decision between health and immediate survival.

5. How does AB 543 fix the issue of patients being denied medically necessary services?

AB 543 addresses this by allowing street medicine providers – who are contracted with a Medi-Cal Managed Care Plan – to order medically necessary services within the patient's assigned Medi-Cal and IPA network, thus bypassing the PCP, to ensure timely and life-saving care.

6. How do people who are unhoused get their Medi-Cal Managed Care Network Assignment?

When someone is enrolled in Medi-Cal, their enrollment package is sent to them by mail, providing them an opportunity to select a PCP. If they do not select a PCP, a PCP is automatically assigned to them based on **proximity to their home residence**. However, people experiencing homelessness often do not have a stable mailing address and thus never receive this information. Therefore, it's rare for them to have chosen their PCP or to know who they are.

7. Why don't people experiencing homelessness just see the PCP assigned to them through their Medi-Cal Managed Care Network?

The vast majority of experiencing homelessness never see the primary care provider (PCP) assigned to them through Medi-Cal Managed Care because they don't know who their assigned PCP is and have no practical way to access them. Some reasons include:

- **No access to a phone** – Many individuals cannot call to schedule appointments, navigate automated phone systems, or receive follow-up instructions.
- **Inability to leave encampments** – Fear of theft of belongings, losing their only shelter due to sweeps, or being forced to abandon pets prevents many people from leaving their location for extended periods.
- **Severe illness or mobility challenges** – Many individuals are too sick, injured, or physically disabled to make it to their assigned provider.
- **Transportation challenges** – Without reliable transit options, reaching a clinic across town is often impossible.

- **Strict clinic hours** – Many PCP offices operate on schedules that do not align with the unpredictable realities of homelessness, where securing food, shelter, and safety often take priority.

As a result, while over 70% of people experiencing homelessness are enrolled in Medi-Cal, less than 10% have seen a primary care provider.[1][2] Instead, they rely on emergency rooms or street medicine teams. Yet, street medicine providers are unable to order basic medical services because of network restrictions. AB 543 is designed to eliminate these barriers.

8. Why can't street medicine provider just become the PCP?

They can and they do, when patients request it. However, this process takes 4-6 weeks, delaying critical services the patient is entitled to. Additionally, patients relocate, or are relocated, frequently. Even if their PCP does street medicine, there's a need for flexibility to allow for immediate access when patients move and are seen by another street medicine team.

9. Does AB 543 increase Medi-Cal costs for California?

AB 543 is not an expansion of Medi-Cal and doesn't add any additional covered services. It also does not seek to expand funding for street medicine. The bill's purpose is to decrease barriers to care and time to receiving care. AB 543 prohibits the denial of referrals based on network assignment by allowing members to access Medically Necessary Services (MNS) through street medicine providers regardless of their PCP assignment, within the patient's MCP network. This enables street medicine providers to refer within the patient's network and IPA, even if the provider themselves is not the PCP or contracted with that network. DHCS has already paid networks made up of managed care plans who have already paid IPAs and PCPs to provide care for these patients. This simply opens a new pathway to accessing care for the unhoused through an already reimbursable service – street medicine. Additionally, this increases efficiency and access to care, avoiding more costly care in the future.

10. How does Bill AB 543 benefit stakeholders beyond street medicine?

- **Allows non-hospital providers, including FQHCs,** to provide immediate care through PE, eliminating delays from Medi-Cal determinations and improving quality metrics by allowing whoever is seeing the patient to help provide critical quality care while also contributing to quality metrics, not just the PCP.
- Closes critical care gaps **post-hospital discharge** by allowing street medicine teams to implement care plans immediately. Street medicine has shown to increase post-hospital follow up 3-fold compared to brick-and-mortar care.[3]
- **Reduces costly ER visits and hospitalizations** by ensuring timely, coordinated care for individuals experiencing homelessness.
- Enhances state accountability by tracking Medi-Cal access and **improving resource deployment**.
- Strengthens street medicine's role in crisis response and housing services by removing PCP assignment barriers, **enabling street medicine to more effectively respond to referrals they receive from local government, first responders, and community partners**.

[1]Gelberg L, Gallagher TC, Andersen RM, Koegel P. Competing priorities as a barrier to medical care among homeless adults in Los Angeles. *Am J Public Health*. 1997; 87:217-220.
[2] Feldman CT, Feldman BJ, Chowdhury T, McConnaughy M, Phan C, Yoon E, Coulourides Kogan A. Unmet health needs for people experiencing unsheltered homelessness in MacArthur Park. January 2025. DOI:10.170605/OSF.IO/6HPYK
[3] Feldman BJ, Kim JS, Mosqueda L, Vongsachang H, Banerjee J, Coffey CE Jr, Spellberg B, Hochman M, Robinson J. From the hospital to the streets: Bringing care to the unsheltered homeless in Los Angeles. Healthc (Amst). 2021 Sep;9(3):100557. doi: 10.1016/j.hjdsi.2021.100557. Epub 2021 May 27. PMID: 34052622.

11. What can I do to support AB 543?

a) **Sign the Joint Letter of Support**: Sign our joint letter of support, alongside organizations and associations from across the state. **By March 25,** send your organization name, logo, and signatory to Kaitlin Schwan, Director of the California Street Medicine Collaborative, at kaitlin.schwan@med.usc.edu.

b) **Submit a Letter of Support Through the California Legislature Position Letter Portal**: To officially register your support, submit your letter through the Position Letter Portal. You can access the portal here: Position Letter Portal. Be sure to include your organization's logo, signatories, why you support the bill, and (if appropriate) include a patient story.

c) **Reach Out to Your Local California State Assemblymember, State Senator, & County Supervisor:** Contact your local Assemblymember, State Senator, and County Supervisor to explain why AB 543 is important and encourage them to support the bill. Share how the bill will positively impact your community and the people you serve, and ask them to publicly support it.

d) **Invite Legislators and Stakeholders on Street Rounds**: Invite legislators and other relevant stakeholders to join street rounds to witness firsthand the challenges faced by the individuals you serve.

More questions?

Please send any questions, comments, or requests to meet to:

- Kaitlin Schwan, Director of the California Street Medicine Collaborative, at kaitlin.schwan@med.usc.edu
- Brett Feldman, Director of USC Street Medicine, Brett.Feldman@med.usc.edu

City Council/Financing Authority Meeting **H. 3.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the Sole Source Agreement with NewEdge Services, LLC for Software Integration between Cityworks Server and Tyler Munis ERP and other professional services for a total contract not to exceed $59,300, with the option to extend the agreement for future related services (Management Services/Finance Director Garcia)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

I move to approve the sole source Professional Services Agreement with NewEdge Services, LLC in an amount not to exceed $59,300, with the option to extend the agreement for future related services.

RECOMMENDATION:

Staff recommends that the City Council approve a sole source agreement with NewEdge Services, LLC for a comprehensive services package that includes the development of a software integration between Cityworks Server PLL (the City's permitting software) and Tyler Munis ERP (the City's financial software), the upgrade of Cityworks to Version 23 for both Development Services and the Fire Department, and the consolidation of server instances into a single, unified system.

DISCUSSION:

The City currently uses Cityworks – Permits, Licensing, and Land Management (PLL) to manage the lifecycle of development and land-use activity, including, planning and zoning applications, engineering reviews, plan check and permitting. Cityworks PLL calculates fees for each permit type, activity or development scenario based on the City's approved fee schedule, but lacks an

integration with our main accounting software that would facilitate online payments. At present, customers can only make payments in person at the Customer Service Counter. This process requires staff to manually re-enter the fees from Cityworks (line by line) into another system (enQuesta) that then enables the City to record the transaction into our accounting system, eventually. At the end of each day, a batch file is generated from enQuesta and sent to Tyler Munis, the City's accounting software.

To enhance efficiency, improve customer service and allow for online payments, the City seeks to bypass this cumbersome system of software handoffs by enabling online permit payments directly through the Cityworks portal. To achieve this, a software integration is required to seamlessly transfer financial data between Cityworks and Tyler Munis.

In advance of performing this integration, however, the City must upgrade to the latest version of Cityworks – Version 23. The Cityworks environment itself must then be consolidated from two instances (one for Development Services and one for the Fire Department) into one citywide instance. This will enhance operational efficiency and support coordinated services across departments.

The Cityworks product line offers a great unified platform for multi-departmental collaboration, is highly configurable in terms of fee calculations and zoning-based triggers, and supports complex workflow routing (ideal for complex municipal codes). The downside of these features is that Cityworks requires significant configuration with highly advanced, evolving technical knowledge of the system. In order to fully leverage the capabilities of this system, external vendor support is necessary.

Based on this understanding, staff undertook an extensive search for a Cityworks/Trimble Certified Partner (Certified Partners are vetted and approved by Cityworks/Trimble. Cityworks/Trimble do not provide any professional services for their software). Staff sought a firm that had experience building integrations between Cityworks and Tyler Munis. NewEdge Services has developed robust integrations between Cityworks and Tyler Munis, allowing for seamless data exchange and reducing the need for duplicate data entry.

Staff recommends contracting with NewEdge Services, LLC to perform these services. NewEdge is the only vendor capable of providing the required software integration between Cityworks and Tyler Munis ERP due to their exclusive expertise, proprietary methodologies, and direct partnerships with both software providers. As a platinum-level partner in the Cityworks/Trimble Partner Network with direct collaboration with Tyler Munis staff, NewEdge has access to specialized toolkits and methodologies that no other vendor offers. Their proven track record of successful integrations for other municipalities, combined with a recommendation from Trimble/Cityworks, confirms their unique ability to deliver this solution. The costs provided in their proposal are significantly lower than other estimates the City has received over the years to perform similar work on

the software and staff feels this pricing is competitive and reasonable.

ALTERNATIVES:

City Council may choose not to approve the agreement with NewEdge Services, LLC.

STRATEGIC PLAN:
Not Applicable

SUBMITTED BY:
Danielle Garcia, Management Services/Finance Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Dana Abramovitz-Daniel, Procurement Manager

PREPARED BY:
Whitney Mesna, Administrative Analyst

Fiscal Impact

Fiscal Year: FY 2024-25

Discussion:

The total cost for the Initial Term of the Agreement with NewEdge Services, LLC is not-to-exceed $47,300 for the initial scope of work, with optional and ongoing maintenance fees totaling $3,000/year during the four (4) Renewal Terms for a grand total of $59,300 over five (5) years.

Four (4) one-year Renewal Terms are included in the agreement and staff would like to reserve an option to extend the scope of the agreement for future-related services after the Initial Term expires and will bring the agreement back to Council for approval of any amendments to scope and cost at a future Council meeting.

Funding for this project is available in the adopted budget for the IT Division.

Attachments

Sole Source Letter

Professional Services Agreement - NewEdge Services

February 17, 2025

City of Redlands
35 Cajon Street Suite 15B
Redlands, CA 92373

RE: Integration Services – Cityworks and Munis

NewEdge Services, LLC (NewEdge) is uniquely positioned to provide integration services between the City of Redlands' (City) Cityworks Server PLL software for permitting and its Munis ERP system. Due to our specialized expertise and experience in developing and implementing Munis integrations, NewEdge is the only provider capable of delivering a seamless, efficient and fully optimized integration solution tailored to the City's needs.

NewEdge has successfully implemented multiple Munis integrations across various municipal functions, including:

- One-way financial data integration from Cityworks PLL to Munis financials
- Two-way integration between Munis Utility Billing and Cityworks work orders
- Two-way inventory management integration between finance and City storerooms

NewEdge, a platinum-level implementation partner in the Trimble Partner Network, has been strongly recommended by Trimble as a trusted integration partner for municipalities. Our direct collaboration with Tyler Munis staff, in-depth understanding of the Munis toolkits and unmatched expertise with Cityworks APIs enable the NewEdge team to provide integration solutions that no other vendor can replicate.

Given our proprietary methodologies, established relationships with key software providers and demonstrated success, NewEdge is the sole provider capable of delivering these integration solutions effectively and efficiently. NewEdge does understand that the City is primarily interested in the integration between Cityworks PLL and Munis ERP for financial information.

We look forward to the opportunity to assist the City of Redlands.

Sincerely,

Laura Carr

Laura Carr
Chief Operating Officer
NewEdge Services, LLC

AGREEMENT TO PERFORM PROFESSIONAL SERVICES

This agreement for the provision of Cityworks Consulting Services ("Agreement") is made and entered in this 20th day of May, 2025 ("Effective Date"), by and between the City of Redlands, a municipal corporation ("City") and NewEdge Services, LLC, a Texas limited liability company ("Consultant"). City and Consultant are sometimes individually referred to herein as a "Party" and, together, as the "Parties." In consideration of the mutual promises contained herein, City and Consultant agree as follows:

ARTICLE 1 – ENGAGEMENT OF CONSULTANT

1.1 City hereby engages Consultant to provide Cityworks Consulting services for City (the "Services").

1.2 The Services shall be performed by Consultant in a professional manner, and Consultant represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional consultants in the industry providing like and similar types of Services.

ARTICLE 2 – SERVICES OF CONSULTANT

2.1 The Services that Consultant shall perform are more particularly described in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by this reference.

2.2 Consultant shall comply with applicable federal, state and local laws and regulations in the performance of this Agreement including, but not limited to, any applicable State prevailing wage laws.

ARTICLE 3 – RESPONSIBILITIES OF CITY

3.1 City designates Danielle Garcia, Management Services/Finance Director, as City's representative with respect to performance of the Services, and such person shall have the authority to transmit instructions, receive information, interpret and define City's policies and decisions with respect to performance of the Services.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 Consultant shall perform and complete the Services in a prompt and diligent manner.

4.2 The Initial Term of this Agreement shall be for a period of one (1) year from the Effective Date of this Agreement (the "Initial Term"). The City shall have the option to extend the Initial Term of this Agreement by four (4) additional one-year terms (each, an "Extended Term"), on the same terms and conditions, by providing written notice to Consultant at least thirty (30) days prior to the expiration of the Initial Term or any Extended Term.

4.3 If Consultant's Services include deliverable electronic visual presentation materials, such materials shall be delivered in a form, and made available to City, consistent with City Council-adopted policy for the same. It shall be the obligation of Consultant to obtain a copy of such policy from City staff.

ARTICLE 5 – PAYMENTS TO CONSULTANT

5.1 Compensation: The compensation for Consultant's performance of the Services shall not exceed the amount of Forty Seven Thousand Three Hundred Dollars ($47,300) for the Services provided during the Initial Term. Should this Agreement be extended, the compensation for Consultant's performance for the Services shall not exceed the amount of Three Thousand Dollars ($3,000) for each of the four (4) Extended Terms, bringing the total possible amount of compensation to a not-to-exceed amount of Fifty Nine Thousand Three Hundred dollars ($59,300). For the Initial Term and each Extended Term, City shall pay Consultant on a time and materials basis up to the not to not-to-exceed amount in accordance with the rates specified in Exhibit "B," titled "Cost Summary and Rates," which is attached hereto and incorporated herein by this reference.

5.2 Consultant shall submit monthly invoices to City describing the Services performed during the preceding month. Consultant's invoices shall include a brief description of the Services performed, the dates the Services were performed, the number of hours spent and by whom, and a description of reimbursable expenses related to the Services. City shall pay Consultant no later than thirty (30) days after receipt and approval by City of Consultant's invoice.

5.3 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY:

City Clerk
City of Redlands
35 Cajon Street
P.O. Box 3005 (mailing)
Redlands, CA 92373
jdonaldson@cityofredlands.org
Phone: (909) 798-7531

CONSULTANT:

Laura Carr, Chief Operating Officer
NewEdge Services, LLC
9191 Kyser Way, Suite 103
Frisco, TX 75033
lcarr@newedgeservices.com
Phone: (469) 888-5044
Fax: (214) 705-1573

ARTICLE 6 – INSURANCE AND INDEMNIFICATION

6.1 The following insurance coverage required by this Agreement shall be maintained by Consultant for the duration of its performance of the Services. Consultant shall not perform any Services unless and until the required insurance listed below is obtained by Consultant. Consultant shall provide City with certificates of insurance and endorsements evidencing such insurance prior to commencement of the Services. Insurance policies shall include a provision prohibiting cancellation or modification of the policy except upon thirty (30) days prior written notice to City.

A. Workers' Compensation and Employer's Liability insurance in the amount that meets statutory requirements with an insurance carrier acceptable to City, or certification to City that Consultant is self-insured or exempt from the workers' compensation laws of the State of California. Consultant shall execute and provide City with Exhibit "C," titled "Workers' Compensation Insurance Certification," which is attached hereto and incorporated herein by this reference, prior to performance of the Services.

B. Comprehensive General Liability insurance with carriers acceptable to City in the minimum amount of One Million Dollars ($1,000,000) per occurrence and Two Million Dollars ($2,000,000) aggregate, for public liability, property damage and personal injury is required. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

C. Consultant shall secure and maintain professional liability insurance throughout the term of this Agreement in the amount of One Million Dollars ($1,000,000) per claim made.

D. Business Auto Liability coverage, with minimum limits of One Million Dollars ($1,000,000) per occurrence, combined single limit bodily injury liability and property damage liability. This coverage shall include all Consultant owned vehicles used in connection with Consultant's provision of the Services, hired and non-owned vehicles, and employee non-ownership vehicles. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

E. Consultant is expressly prohibited from assigning or subcontracting any of the Services without the prior written consent of City. In the event of mutual agreement by the Parties to assign or subcontract a portion of the Services, Consultant shall add such assignee or subcontractor as an additional insured to the insurance policies required hereby and provide City with the insurance endorsements prior to any Services being performed by the assignee or subcontractor.

6.2 Consultant shall defend, indemnify and hold harmless City and its elected and appointed officials, employees and agents from and against any and all claims, losses or liability, including attorneys' fees, arising from injury or death to persons or damage to property

occasioned by any negligent act or omission by, or the willful misconduct of, Consultant, or its officers, employees and agents in performing the Services.

ARTICLE 7 – CONFLICTS OF INTEREST

7.1 Consultant covenants and represents that it does not have any investment or interest in any real property that may be the subject of this Agreement or any other source of income, interest in real property or investment that would be affected in any manner or degree by the performance of Consultant's Services. Consultant further covenants and represents that in the performance of its duties hereunder, no person having any such interest shall perform any Services under this Agreement.

7.2 Consultant agrees it is not a designated employee within the meaning of the Political Reform Act because Consultant:

A. Does not make a governmental decision whether to:

(i) approve a rate, rule or regulation, or adopt or enforce a City law;
(ii) issue, deny, suspend or revoke any City permit, license, application, certification, approval, order or similar authorization or entitlement;
(iii) authorize City to enter into, modify or renew a contract;
(iv) grant City approval to a contract that requires City approval and to which City is a party, or to the specifications for such a contract;
(v) grant City approval to a plan, design, report, study or similar item;
(vi) adopt, or grant City approval of, policies, standards or guidelines for City or for any subdivision thereof.

B. Does not serve in a staff capacity with City and in that capacity, participate in making a governmental decision or otherwise perform the same or substantially the same duties for City that would otherwise be performed by an individual holding a position specified in City's Conflict of Interest Code under Government Code section 87302.

7.3 In the event City determines that Consultant must disclose its financial interests, Consultant shall complete and file a Fair Political Practices Commission Form 700, Statement of Economic Interests, with the City Clerk's office pursuant to the written instructions provided by the City Clerk.

ARTICLE 8 – GENERAL CONSIDERATIONS

8.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing Party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees, including fees for the use of in-house counsel by a Party.

8.2 Consultant shall not assign any of the Services, except with the prior written approval of City and in strict compliance with the terms and conditions of this Agreement. Any assignment or attempted assignment without such prior written consent may, in the sole discretion of City, result in City's immediate termination of this Agreement.

8.3 Consultant is for all purposes under this Agreement an independent contractor and shall perform the Services as an independent contractor. Neither City nor any its agents shall have control over the conduct of Consultant or Consultant's employees, except as herein set forth. Consultant shall supply all necessary tools and instrumentalities required to perform the Services. Assigned personnel employed by Consultant are for its account only, and in no event shall Consultant or personnel retained by it be deemed to have been employed by City or engaged by City for the account of, or on behalf of City. Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent, nor shall Consultant have any authority, express or implied, to bind City to any obligation.

8.4 This Agreement may be terminated by City, in its sole discretion, by providing not less than five (5) days prior written notice to Consultant of City's intent to terminate. If this Agreement is terminated by City, an adjustment to Consultant's compensation shall be made, but (1) no amount shall be allowed for anticipated profit or unperformed Services, and (2) any payment due Consultant at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Consultant. Upon receipt of a termination notice, Consultant shall immediately discontinue its provision of the Services and, within five (5) days of the date of the termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of project related data, design calculations, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by Consultant in performing the Services. Consultant shall be compensated on a pro-rata basis for Services completed up to the date of termination.

8.5 Consultant shall maintain books, ledgers, invoices, accounts and other records and documents evidencing costs and expenses related to the Services for a period of three (3) years, or for any longer period required by law, from the date of final payment to Consultant pursuant to this Agreement. Such books shall be available at reasonable times for examination by City at the office of Consultant.

8.6 This Agreement, including the Exhibits incorporated herein by reference, represents the entire agreement and understanding between the Parties as to the matters contained herein, and any prior negotiations, written proposals or verbal agreements relating to such matters are superseded by this Agreement. Except as otherwise provided for herein, any amendment to this Agreement shall be in writing, approved by City and signed by City and Consultant.

8.7 This Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflicts of laws provisions. The Parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and

litigated only in the state courts located in San Bernardino County, California, and the federal courts located in Riverside County, California.

8.8 If one or more of the sentences, clauses, paragraphs or sections contained in this Agreement is declared invalid, void or unenforceable by a court of competent jurisdiction, the same shall be deemed severable from the remainder of this Agreement and shall not affect, impair or invalidate the remaining sentences, clauses, paragraphs or sections contained herein, unless to do so would deprive a Party of a material benefit of its bargain under this Agreement.

IN WITNESS WHEREOF, duly authorized representatives of City and Consultant have signed in confirmation of this Agreement.

CITY OF REDLANDS

By: _____
Mario Saucedo, Mayor

NEWEDGE SERVICES, LLC

By: _____
Laura Carr, Chief Operating Officer

ATTEST:

_____
Jeanne Donaldson, City Clerk

EXHIBIT "A"

SCOPE OF SERVICES

Item **Description**

1.0 Cityworks Application Business Process Review

The NewEdge team understands the City of Redlands is looking for a qualified, experienced Trimble Business Partner to evaluate the current Cityworks environment.

The NewEdge team understands the client desires a consultant that will work closely with personnel to understand the present and future goals for the use of the Cityworks software and recommend how to remedy the deficiencies in the current system and provide a roadmap of the Cityworks software. This health check does not include the implementation of new divisions or departments.

Tasks / Deliverables for the NewEdge Health Check include the following:

- Kickoff Meeting
- NewEdge Virtual Process Review Workshop
    - o Review of the current Cityworks database configuration and user interface,
    - o Review of the GIS data and how it is configured to work with the Cityworks software
    - o Review of business processes and workflows within the divisions currently using Cityworks
    - o Review of the Cityworks database to ensure those processes are configured correctly.
- Assessment report that will include recommendations for database configuration changes, workflow processes, field deployment, training and reporting needs and will include cost estimates for these tasks.
- Delivery of assessment report - NewEdge staff will meet with each division interviewed in the workshops and provide an overview of the assessment report.

NewEdge has met with the City of Redlands staff and understands there are key functions that they would like NewEdge to take into account while performing the review. These include:

- Primary Target of preparing Cityworks PLL to accept on-line payments via Invoice Cloud. NewEdge will work with the City and Invoice Cloud to understand how the integration is being configured and implemented.
- There are currently 2 instances of Cityworks configured at the City, one for Fire (AMS for inspections) and one for Development Services (PLL). City staff would like to look at consolidating these into 1 instance.
- Issues with ProjectDox and the webhooks used to integrate ProjectDox with Cityworks

From the kickoff meeting to delivery of the Assessment Report, the project should take approximately 6 weeks months. The NewEdge project manager will generate a more detailed schedule upon receiving a notice to proceed.

1.1 Upgrade of the Cityworks Software to Version 23.x

NewEdge staff will perform an upgrade of the client's Cityworks software to Version 23.x. NewEdge understands the City is currently running two instances of the Cityworks software that will be migrated into one instance under this task. Fire uses Cityworks Server AMS for Fire Inspections and while Development Services uses Cityworks Server PLL for permitting. Both instances are in separate application environments and different versions of the software. The goal of this task will be to combine the two instances into one Cityworks database environment and upgrade to the current version of Cityworks 23.x. All users will remain in the Office Companion environment. This project will consist of the following tasks:

- Kickoff Meeting via conference call
- Upgrade of Cityworks Server AMS in the current environment.
- Upgrade of the Cityworks test PLL environment
- Migration of the Cityworks Server AMS data into the PLL environment in test
- Upgrade of the Cityworks production environment.

NewEdge staff will remote desktop or VPN into the Cityworks test environment to upgrade the Cityworks software to the new version. Client staff will have 30 days for testing the upgraded application.

Once thoroughly tested in the test environment, NewEdge staff will upgrade the production environment. The upgrade will need to occur off-hours and preferably over a weekend so as not to disrupt the use of Cityworks. NewEdge staff will be available the following day of the upgrade to support any issues.

Third party integrations, such as Citizen Engagement, CCTV or custom integrations with financial or human resources software, will be thoroughly tested by the client.
For all tasks IT and Database staff should be available to address questions and assist with network/communication issues if they should arise.

Cityworks 23 is a new platform for the Cityworks software. Due to differences in the application frameworks, Office and Respond, an upgrade to Cityworks 23 will require users to run two different sites. Clients using only Office, now called Office Companion, or Respond will see no differences in their use of Cityworks. For clients using Office and Respond, users will have to log in and out of each application to access the interface.

Running Crystal Reports can only occur in the Office Companion environment. Respond only users with Crystal Templates will need to either migrate those reports to the report writer in Respond, ActiveReports, or switch between the two interfaces to run Crystal reports.

2.0 Munis Integration for Payments Received through Cityworks PLL

Identified Integrations between Cityworks and Third-Party Software

- Munis and Cityworks Server PLL Integration
  Fees received through PLL would be automatically pushed to the appropriate GL accounts in the Munis financial software.

Costs identified in this section are for the Discovery and Requirements phase only. This is an upfront cost that will be billed upon receiving the notice to proceed. NewEdge will then start working with both the client and the third party software to identify integration methods (database to database, API, etc) and start documenting the client requirements for the integration.

See section below for more details on the NewEdge methodology, schedule and costs for the Third Party Integration Services.

Goal / Purpose of Integrations:

The goal of NewEdge integration services between Cityworks and third-party applications is to eliminate the manual or paper processes that occur when a trigger or work process occurs in one application and requires action to be taken in another application. Example being money/fees collected through the PLL software are either delivered to finance in a report or csv file. This report and/or the csv file must be reviewed and then the information is either entered manually or imported from the csv file.

Workflow:

The general workflow for such communication between software systems is that data is entered into one system then printed, emailed or a phone call occurs to initiate the work. Work performed is recorded in Cityworks fees either received through the PLL Public Access module (InvoiceCloud) or entered into PLL and then manually documented on printouts delivered to finance.

Integrations relieve the paper delivery/pick-up and the dual entry by departmental or division personnel. The workflow for most integrations with a 3rd party software and Cityworks can be streamlined to the following:

Deliverables for Each Integration

- Discovery / Requirements Phase
- Web Service to run Cityworks APIs
- Windows Service

 Tables in the Cityworks database (if required)
 Trigger on Cityworks database table (would be used for instantaneous push/pull of data)
 Program for cleanup should issues occur (can also run as a scheduled task)

The Discovery / Requirements Phase will be an opportunity to evaluate the methodology for the requested integration(s). This is the time that NewEdge staff will work with the 3rd party software to determine:

- Does the 3rd party have established APIs or will they be developing them during the project
- Can the 3rd party provide documentation on their APIs
- If no APIs – what will be the integration methodology such as database to database triggers or export/import operations.
- Does the 3rd party software have developers available to NewEdge staff and what will that cost be to the client

Once the methodology of the integration is established, NewEdge staff will conduct a requirement meeting with the client to review the data that will be pushed and pulled between the two systems.

Schedule:
Upon receiving a notice to proceed, NewEdge staff will work with client staff to contact the 3rd party software vendor and begin discussions on integration methodology. Once this is complete, NewEdge can then schedule the requirements meeting with client staff.

Once requirements are signed off by the client, the project duration will be approximately 4 months with the following milestones:

- Installation of the integration on the client's test environment / client testing
- Installation of the integration on the client's production environment. Could be contingent upon the go-live of the 3rd party software
- Final acceptance

Schedule and availability of 3rd party resources could extend the timeline.

EXHIBIT "B"
COST SUMMARY AND RATES

For all integrations there is an up-front cost for the Discovery/Requirements phase. After the requirements are complete, the client will receive a revised cost for the coding and installation of the integration. NewEdge will continue to support the integration for 1 year after the install and go-live of the integration.

Following the initial year, the integration will have a yearly maintenance cost to account for:

- Issues that arise with the integration
- Updates/Upgrades to the Cityworks application
- Support for third-party upgrades / modifications

Note – NewEdge staff will support third-party application staff if changes are made to the software, however, NewEdge staff will not make modifications to the third-party software or API code.

- Changes / modifications to the data passed between the two systems

Payment Schedule

Discovery / Requirements Phase – billed when NTP received	$8,000.00
Revised integration costs approved	
Requirements approved; Coding begins	33% of integration costs
Installation on Test Environment	60% of integration costs
Installation on Production Environment	90% of integration costs
Final Acceptance	100% of integration costs
Maintenance / Continued Support	Billed Yearly from Go-Live

Integration Estimates

Integration Description	***Integration Type***	Cost	***Maintenance***
Munis Integration for Permitting Fees	One-Way integration	$15,000.00	$3,000.00

**Costs will be further refined after Discovery / Requirements phase.

Cityworks Hourly Support Services

NewEdge Services, LLC will provide the City Redlands IT staff advisory service hours related to Cityworks and GIS initiatives. These hours can be used remotely, or the City can request NewEdge staff to be on-site. Tasks can include but are not limited to:

- **Configurations**

  Changing Cityworks and / or GIS configurations based on assessment meetings, advising staff on configuration options and best practices.

- **Reporting**
  Generate or complete reports in the Crystal Reports software
- General Consulting Services
  NewEdge will address user questions and hours can be used for additional training.

Prior to work commencing, tasks must be requested and approved by Richardson IT. Any work performed under this Agreement will be itemized on the invoice(s) provided to Richardson and billed at the hourly rates listed below:

Title	**Rate**
GIS Intern	$80/hour
GIS Technician	$110/hour
GIS/Cityworks Specialist	$130/hour
Senior GIS/Cityworks Specialist	$165/hour
Database Administrator/System Admin	$165/hour
Developer	$165/hour
Project Manager	$200/hour

Cost Summary:

Immediate Tasks	**Estimated Time of Billing**	**Costs**
Cityworks Application Business Review	50% upon receiving NTP 50% delivery of report	$8,100.00
Upgrade of Cityworks Software to 23.x	Task will start after delivery of Business Review Report 50% at Kickoff Meeting 50% upgrade of production	$16,200.00
Billing of Hourly Support Hours Primary task will be to set up PA to accept on-line payments	Billed to the client on a monthly basis	TBD
Integration between Munis and PLL Discovery and Requirements Phase	100% Billed when receive NTP	$8,000.00
Integration between Munis and PLL Coding and Installation Phase	10% billed at Kickoff 50% install on test 90% install on production 100% integration final	Estimated: $15,000.00
Total Estimated Immediate Costs:	**$47,300.00** **Plus hourly support hours**	

EXHIBIT "C"

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

NEWEDGE SERVICES, LLC

By:_____ Date: _____

Laura Carr, Chief Operating Officer

City Council/Financing Authority Meeting **H. 4.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the Professional Services Agreement for Sales, Use and Transactions Tax Audit and Consulting Services with Hinderliter De Llamas & Associates for a period of three (3) years with two (2) one-year Extended Term options in a total amount not-to-exceed $113,300 (Management Services/Finance Director Garcia)

MOTION(S):

If the City Council determines that the staff's recommendation is appropriate, the following motion is provided:

I move to approve a Professional Services Agreement with Hinderliter, de Llamas & Associates for a period of three (3) years with two (2) one-year Extended Term options in a total amount not-to-exceed $113,300.

RECOMMENDATION:

Staff recommends that Council approve the agreement with Hinderliter, de Llamas & Associates for Sales, Use and Transactions Tax Audit and Consulting services for a period of three (3) years with two (2) one-year Extended Term options in a total amount not-to-exceed $113,300. Staff is recommending single-source procurement of these services based on the quality and extent of work previously performed by this firm on behalf of the City, as well as their knowledge and expertise, and extensive public agency client base.

DISCUSSION:

Hinderliter, de Llamas & Associates (HdL) provides audit and consulting services for sales, use and transactions tax revenue. Through its audit services, HdL recovers sales tax for the City through detecting and documenting misallocations of sales, use and transactions tax activity within the time limitations set by the Board of Equalization. HdL maintains the largest privately held sales tax database, containing 28 years of Redlands-specific data and has up-to-date knowledge of the City's tax base, including aspects related to the Citrus Plaza/Mountain Grove retail establishments.

Basic sales tax is technically referred to as "sales and use" tax. This is the portion of all sales (1%) that is remitted to every city in California.

As it relates to this basic sales tax (sales and use tax), HdL proposes a monthly fee of $740.46 for these services and 15% of any new sales or use tax revenues received because of audit work performed on the City's behalf. These fees are not billed until the misallocated revenues are received by the City.

Beyond the basic sales and use tax, there is also a sales tax referred to as a "Transaction" tax. This refers to special taxes that voters approve in different jurisdictions.

As a result of the passage of Measure T, the voters approved a transactions tax of 1% (in addition to the basic sales tax of 1%) and the California Department of Tax and Fee Administration (CDFTA) began collection of this transactions tax in April 2021.

In a way similar to that of basic sales tax, HdL proposes a $200/month charge for the transaction tax reports that will be included with HdL's quarterly sales tax analyses, and 25% of any transaction tax revenues received because of audit work performed on the City's behalf. These fees are also not billed until the misallocated revenues are received by the City.

HdL's scope of work for both types of sales tax includes the following: sales tax forecasting, analysis, recovery, compliance and reporting; they act on behalf of the City in reconciling amounts received by the City and the State administration for the sales tax remittance process. Unlike sales tax where there is a 3-month delay to see if the state finds errors on their own, HdL begins examining and correcting tax allocations immediately and will review all related "use tax" databases to ensure that both in-state sales and out-of-state purchases are being properly taxed and collected.

The attached agreement is for three (3) years with the option for two (2) one-year Extended Terms, with the first term going from May 6, 2025–June 30,

2026 and the subsequent years proceeding according to the City's fiscal year. Year 1 fees total $12,226 and with HdL has agreed not to increase the monthly fees by more than 5% per year for the subsequent years (including Extended Terms). This, along with up to $10,000 of optional consulting services from HdL for the duration of the Initial Term and each of the additional Extended Terms, brings the agreement to a Not-to-Exceed total of $113,300.

ALTERNATIVES:

The Council may reject the single-source agreements with Hinderliter De Llamas & Associates (HdL) and direct staff to pursue procurement through a Request for Proposals process. However, no other vendor offers the array of services nor the access to past data that HdL provides to the City.

STRATEGIC PLAN:
N/A

SUBMITTED BY:
Danielle Garcia, Management Services/Finance Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Asssitant City Manager
Dana Abramovitz-Daniel, Procurement Manager

PREPARED BY:
Valerie Abrego, Management Analyst

Fiscal Impact

Fiscal Year:	2025
Revenue Generating:	Yes
Appropriation Required Y/N:	No
Amount:	$113,000.00
Budgeted Y/N:	Y
Account No.:	101501
Discussion:	

Funding for the Professional Services Agreement for Sales, Use Tax and Transactions Tax Audit and Consulting Services with Hinderliter, De Llamas and Associates (HdL) is included in the Department's adopted budget for FY 2025 & 2026. Future yearly amounts will be included with subsequent budget requests.

Funding for recoveries of additional sales and transactions tax revenues is based on actual amounts received by the City and is limited to 15% and 25% of the amount recovered, respectively.

Attachments

HdL Professional Services Agreement

AGREEMENT TO PERFORM PROFESSIONAL SERVICES

This agreement for the provision of sales and use tax and transaction tax services ("Agreement") is made and entered in this 20th day of May, 2025 ("Effective Date"), by and between the City of Redlands, a municipal corporation ("City") and Hinderliter De Llamas & Associates, dba HdL Companies, a California corporation ("Consultant"). City and Consultant are sometimes individually referred to herein as a "Party" and, together, as the "Parties." In consideration of the mutual promises contained herein, City and Consultant agree as follows:

ARTICLE 1 – ENGAGEMENT OF CONSULTANT

1.1 City hereby engages Consultant to provide sales and use tax services for economic analysis, forecasting, allocation and audit recovery and transactions tax services for economic analysis, forecasting and deficiency/allocation reviews and recovery and other optional consulting services for City (the "Services").

1.2 The Services shall be performed by Consultant in a professional manner, and Consultant represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional consultants in the industry providing like and similar types of Services.

ARTICLE 2 – SERVICES OF CONSULTANT

2.1 The Services that Consultant shall perform are more particularly described in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by this reference.

2.2 Consultant shall comply with applicable federal, state and local laws and regulations in the performance of this Agreement including, but not limited to, any applicable State prevailing wage laws.

ARTICLE 3 – RESPONSIBILITIES OF CITY

3.1 City designates Danielle Garcia, Management Services Director, as City's representative with respect to performance of the Services, and such person shall have the authority to transmit instructions, receive information, interpret and define City's policies and decisions with respect to performance of the Services.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 Consultant shall perform and complete the Services in a prompt and diligent manner in accordance with the schedule set forth in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by reference. In performing the Services, Consultant is acting as an independent contractor (and not as an agent or employee of Client).

4.2 The term of this Agreement shall be for a period of three (3) years from the Effective Date of this Agreement (the "Initial Term"). The City shall have the option to extend the Initial Term of this Agreement by two (2) additional one-year terms (each, an "Extended Term"), compensating according to Article 5, "Payments to Consultant", by providing written notice to Consultant at least thirty (30) days prior to the expiration of the Initial Term or any Extended Term.

4.3 If Consultant's Services include deliverable electronic visual presentation materials, such materials shall be delivered in a form, and made available to City, consistent with City Council-adopted policy for the same. It shall be the obligation of Consultant to obtain a copy of such policy from City staff.

ARTICLE 5 – PAYMENTS TO CONSULTANT

5.1 The compensation for Consultant's performance of the Services during the first year of the Initial Term from May 6, 2025 to June 30, 2026 shall be Twelve Thousand Two Hundred Twenty-Six Dollars ($12,226.00). During year two of the Initial Term from July 1, 2026 to June 30, 2027 compensation shall not exceed Eleven Thousand Eight Hundred Fifty Dollars ($11,850.00). During year three of the Initial Term from July 1, 2027 to June 30, 2028 compensation shall not exceed Twelve Thousand Four Hundred Forty-Two Dollars ($12,442.00). During the first Extended Term (July 1, 2028 to June 30, 2029), compensation shall not exceed Thirteen Thousand Sixty-Five Dollars ($13,065.00). During the second Extended Term (July 1, 2029 to June 30, 2030), compensation shall not exceed Thirteen Thousand Seven Hundred Eighteen Dollars ($13,718.00). These totals include the increases of the Consultant's Fixed Fees pursuant to the Consumer Price Index, as set forth in Exhibit "B" titled "Fees".

5.2 Consultant shall be further paid fifteen percent (15%) of sales and use tax revenue and twenty-five percent (25%) of transactions tax revenue received by the City as a result of audit and recovery work performed by Consultant as set forth in Exhibit "B," Sections 2. and 4.a. (hereafter referred to as "Audit Fees").

5.3 Consultant shall be paid for other consulting and optional services as requested by City according to rates set forth in Exhibit "B", Section 5, in an amount not-to-exceed Ten Thousand Dollars ($10,000.00) for the duration of both the Initial Term and each additional Extended Term.

5.4 Consultant shall submit quarterly invoices to City describing the Services performed during the preceding quarter. Consultant's invoices shall include a brief description of the Services performed, the dates the Services were performed, the number of hours spent and by whom, and a description of reimbursable expenses related to the Services. City shall pay Consultant no later than thirty (30) days after receipt and approval by City of Consultant's invoice.

5.5 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date

of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY:	CONSULTANT:
Jeanne Donaldson, City Clerk City of Redlands 35 Cajon Street Redlands, CA 92373 jdonaldson@cityofredlands.org Phone: (909) 798-7531	Andy Nickerson, President Hinderliter, de Llamas & Associates 120 S. State College Blvd. Brea, CA 92821 Phone: 714-879-5000

ARTICLE 6 – INSURANCE AND INDEMNIFICATION

6.1 The following insurance coverage required by this Agreement shall be maintained by Consultant for the duration of its performance of the Services. Consultant shall not perform any Services unless and until the required insurance listed below is obtained by Consultant. Consultant shall provide City with certificates of insurance and endorsements evidencing such insurance prior to commencement of the Services. Insurance policies shall include a provision prohibiting cancellation or modification of the policy except upon thirty (30) days prior written notice to City.

A. Workers' Compensation and Employer's Liability insurance in the amount that meets statutory requirements with an insurance carrier acceptable to City, or certification to City that Consultant is self-insured or exempt from the workers' compensation laws of the State of California. Consultant shall execute and provide City with Exhibit "D," titled "Workers' Compensation Insurance Certification," which is attached hereto and incorporated herein by this reference, prior to performance of the Services.

B. Comprehensive General Liability insurance with carriers acceptable to City in the minimum amount of One Million Dollars ($1,000,000) per occurrence and Two Million Dollars ($2,000,000) aggregate, for public liability, property damage and personal injury is required. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

C. Consultant shall secure and maintain professional liability insurance throughout the term of this Agreement in the amount of One Million Dollars ($1,000,000) per claim made.

D. Business Auto Liability coverage, with minimum limits of One Million Dollars ($1,000,000) per occurrence, combined single limit bodily injury liability and property

damage liability. This coverage shall include all Consultant owned vehicles used in connection with Consultant's provision of the Services, hired and non-owned vehicles, and employee non-ownership vehicles. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

E. Consultant is expressly prohibited from assigning or subcontracting any of the Services without the prior written consent of City. In the event of mutual agreement by the Parties to assign or subcontract a portion of the Services, Consultant shall add such assignee or subcontractor as an additional insured to the insurance policies required hereby and provide City with the insurance endorsements prior to any Services being performed by the assignee or subcontractor.

6.2 Consultant shall defend, indemnify and hold harmless City and its elected and appointed officials, employees and agents from and against any and all claims, losses or liability, including attorneys' fees, arising from injury or death to persons or damage to property occasioned by any negligent act or omission by, or the willful misconduct of, Consultant, or its officers, employees and agents in performing the Services.

ARTICLE 7 – CONFLICTS OF INTEREST

7.1 Consultant covenants and represents that it does not have any investment or interest in any real property that may be the subject of this Agreement or any other source of income, interest in real property or investment that would be affected in any manner or degree by the performance of Consultant's Services. Consultant further covenants and represents that in the performance of its duties hereunder, no person having any such interest shall perform any Services under this Agreement.

7.2 Consultant agrees it is not a designated employee within the meaning of the Political Reform Act because Consultant:

A. Does not make a governmental decision whether to:

(i) approve a rate, rule or regulation, or adopt or enforce a City law;
(ii) issue, deny, suspend or revoke any City permit, license, application, certification, approval, order or similar authorization or entitlement;
(iii) authorize City to enter into, modify or renew a contract;
(iv) grant City approval to a contract that requires City approval and to which City is a party, or to the specifications for such a contract;
(v) grant City approval to a plan, design, report, study or similar item;
(vi) adopt, or grant City approval of, policies, standards or guidelines for City or for any subdivision thereof.

B. Does not serve in a staff capacity with City and in that capacity, participate in making a governmental decision or otherwise perform the same or substantially the same duties for City that would otherwise be performed by an individual holding a

position specified in City's Conflict of Interest Code under Government Code section 87302.

7.3 In the event City determines that Consultant must disclose its financial interests, Consultant shall complete and file a Fair Political Practices Commission Form 700, Statement of Economic Interests, with the City Clerk's office pursuant to the written instructions provided by the City Clerk.

ARTICLE 8 – GENERAL CONSIDERATIONS

8.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing Party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees, including fees for the use of in-house counsel by a Party.

8.2 Consultant shall not assign any of the Services, except with the prior written approval of City and in strict compliance with the terms and conditions of this Agreement. Any assignment or attempted assignment without such prior written consent may, in the sole discretion of City, result in City's immediate termination of this Agreement.

8.3 Consultant is for all purposes under this Agreement an independent contractor and shall perform the Services as an independent contractor. Neither City nor any its agents shall have control over the conduct of Consultant or Consultant's employees, except as herein set forth. Consultant shall supply all necessary tools and instrumentalities required to perform the Services. Assigned personnel employed by Consultant are for its account only, and in no event shall Consultant or personnel retained by it be deemed to have been employed by City or engaged by City for the account of, or on behalf of City. Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent, nor shall Consultant have any authority, express or implied, to bind City to any obligation.

8.4 This Agreement may be terminated by City, in its sole discretion, by providing not less than five (5) days prior written notice to Consultant of City's intent to terminate. If this Agreement is terminated by City, an adjustment to Consultant's compensation shall be made, but (1) no amount shall be allowed for anticipated profit or unperformed Services, and (2) any payment due Consultant at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Consultant. Upon receipt of a termination notice, Consultant shall immediately discontinue its provision of the Services and, within five (5) days of the date of the termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of project related data, design calculations, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by Consultant in performing the Services. Consultant shall be compensated on a pro-rata basis for Services completed up to the date of termination.

8.5 Consultant shall maintain books, ledgers, invoices, accounts and other records and documents evidencing costs and expenses related to the Services for a period of three (3) years, or for any longer period required by law, from the date of final payment to Consultant pursuant to this Agreement. Such books shall be available at reasonable times for examination by City at the office of Consultant.

8.6 This Agreement, its exhibits, including Exhibit "C," titled "Additional Terms and Conditions" are incorporated herein by reference, represents the entire agreement and understanding between the Parties as to the matters contained herein, and any prior negotiations, written proposals or verbal agreements relating to such matters are superseded by this Agreement. Except as otherwise provided for herein, any amendment to this Agreement shall be in writing, approved by City and signed by City and Consultant.

8.7 This Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflicts of laws provisions. The Parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and litigated only in the state courts located in San Bernardino County, California, and the federal courts located in Riverside County, California.

8.8 If one or more of the sentences, clauses, paragraphs or sections contained in this Agreement is declared invalid, void or unenforceable by a court of competent jurisdiction, the same shall be deemed severable from the remainder of this Agreement and shall not affect, impair or invalidate the remaining sentences, clauses, paragraphs or sections contained herein, unless to do so would deprive a Party of a material benefit of its bargain under this Agreement.

IN WITNESS WHEREOF, duly authorized representatives of City and Consultant have signed in confirmation of this Agreement.

CITY OF REDLANDS

By: _____
Mario Saucedo, Mayor

HINDERLITER, DE LLAMAS & ASSOCIATES

By: _____
Andy Nickerson, President

ATTEST:

_____
Jeanne Donaldson, City Clerk

EXHIBIT "A"

SCOPE OF SERVICES

SERVICES – Sales and Use Tax

1. **Sales and Use Tax and Economic Analysis/Forecasting Services/Reports**
   a. Establish a special database identifying the name, address, and quarterly allocations of all sales tax producers within the City. This database will be utilized to generate special reports to City on major sales tax producers by rank and category, sales tax activity by categories, or business districts, identification of reporting aberrations, and per capita and outlet comparisons with regional and statewide sales.
   b. Provide periodic updated reports to City identifying changes in sales by individual businesses, business groups and categories, and by geographic area. These reports may include, without limitation, quarterly aberrations due to State audits, fund transfers, and receivables, along with late or double payments, and quarterly reconciliation worksheets to assist with budget forecasting. Consultant shall meet quarterly by in person or virtually with City.
   c. Shall additionally provide following each calendar quarter a summary analysis for City to share with Council Members, Chamber of Commerce, other economic development interest groups and the public that analyze City's sales tax trends by major groups and geographic areas without disclosing confidential individual tax records.
   d. Establish a special database with California Department of Tax and Fee Administration ("CDTFA") registration data for businesses within applicable district boundaries holding seller's permit accounts.
   e. Periodically license for the limited, non-exclusive, non-transferable use by City's staff certain of Consultant's web-based sales, use and/or transactions tax program(s) containing sellers permit, registration, allocation and related information for business outlets within City's jurisdiction registered with the CDTFA.
   f. Provide periodic updated reports endeavoring to identify and assist with budget forecasting (i) changes in allocation totals by individual businesses, business groups and categories, and (ii) aberrations due to State audits, fund transfers, and receivables, along with late or double payments.

2. **Allocation and Audit Recovery Services**
   a. Conduct (when mutually agreed with City) initial and on-going sales and use tax audits of businesses to help identify and correct distribution and allocation errors, and to proactively affect favorable registration, reporting or formula changes thereby generating previously unrealized sales and use tax income for the City and/or recovering misallocated tax from registered taxpayers. Common errors that will be monitored and corrected include but are not limited to: transposition errors resulting in misallocations; erroneous consolidation of multiple outlets; formula errors; misreporting of "point of sale" to the wrong location; delays in reporting new outlets; misallocating use tax payments to the allocation pools or wrong jurisdiction; and erroneous fund transfers and adjustments.

b. Initiate contacts with the CDTFA and sales management and accounting officials in companies that have businesses where a probability of error exists to endeavor to help verify whether current tax receipts accurately reflect the local sales activity. Such contacts will be conducted in a professional and courteous manner.
c. Prepare and submit to the CDTFA information for the purpose of correcting any identified allocation errors, and follow-up with individual businesses and the CDTFA to promote recovery by the City of back or prospective quarterly payments that may be owing.
d. If, during the course of its audit, Consultant finds businesses located in the City's jurisdiction that are properly reporting sales and use tax but have the potential for modifying their operation to provide an even greater share to City, Consultant may so advise City and collaborate with those businesses and City to encourage such changes.

SERVICES – Transactions Tax Services

3. Transactions Tax and Economic Analysis/Forecasting Services/Reports

a. Consultant shall establish a database containing all applicable Department of Tax and Fee Administration (CDTFA) registration data for each business within the Measure "T" District boundaries holding a seller's permit account. Said database shall also identify the quarterly transactions and use tax allocations under each account for the most current and previous quarters where available.
b. Consultant shall provide updated reports each quarter identifying changes in allocation totals by individual businesses, business groups and by categories. Quarterly aberrations due to State audits, fund transfers, and receivables, along with late or double payments, will also be identified. Quarterly reconciliation worksheets to assist finance officer with budget forecasting will be included.
c. Consultant shall advise and work with CITY Staff on planning and economic questions related to maximizing revenues, preparation of revenue projections and general information on transactions and use tax questions.
d. Consultant shall make available to CITY the HdL proprietary software program and Measure "T" database containing all applicable registration and quarterly allocation information for CITY business outlets registered with the Department of Tax and Fee Administration. The database will be updated quarterly.

4. Deficiency/Allocation Reviews and Recovery

a. Consultant shall conduct on-going reviews to identify and correct unreported transactions and tax payments and distribution errors thereby generating previously unrealized revenue for the City. Reviews shall include:
   a. (1) Comparison of county-wide local tax allocations to transactions tax for brick and mortar stores and other cash register-based businesses, where clearly all transactions are conducted on-site within the Measure "T" City boundaries, and therefore subject to transactions tax.
   a. (2) Review of any significant one-time use tax allocations to ensure that there is

corresponding transaction tax payments for taxpayers with nexus within the City boundaries.

a. (3) Review of state-wide transactions tax allocations and patterns to identify any obvious errors and omissions.

a. (4) Identification and follow-up with any potentially large purchasers of supplies and equipment (e.g. hospitals, universities, manufacturing plants, agricultural operations, refineries) to ensure that their major vendors are properly reporting corresponding transactions tax payments to the Measure "T" Transactions Tax District.

b. Consultant will initiate, where the probability of an error exists, contacts with the appropriate taxpayer management and accounting officials to verify whether current tax receipts accurately reflect the local sales activity. Such contacts will be conducted in a professional and courteous manner so as to enhance CITY's relations with the business community.

c. Consultant shall prepare and submit to the Department of Tax and Fee Administration all information necessary to correct any allocation errors and deficiencies that are identified and shall follow-up with the individual businesses and the California Department of Tax and Fee Administration to ensure that all back quarter payments due the CITY are recovered.

5. <u>Consulting and Other Optional Services</u>

a. Consultant may from time to time in its sole discretion, consult with City's staff, including without limitation, regarding (i) technical questions and other issues related to sales, use and transactions tax, (ii) utilization of reports to enhance business license collection efforts, (iii) sales tax projections for proposed annexations, economic development projects and budget planning, (iv) negotiating/review of tax sharing agreements, (v) establishing purchasing corporations, (vi) meeting with taxpayers to encourage self-assessment of tax obligations, and (vii) other sales, use or transactions tax revenue-related matters.

EXHIBIT "B"
FEES

FEES – Sales and Use Tax Services

1. **Sales and Use Tax and Economic Analysis/Forecasting Services/Reports**
   a. Fees for performing the sales tax and economic analysis/forecasting Services as described above shall initially be **$740.46** per month, commencing with the month of the Effective Date (hereafter referred to as "monthly fee"). The monthly fee shall be invoiced quarterly and shall be paid by City no later than 30 days after the invoice date.
   b. Consultant will increase the monthly fee established in Exhibit B,1.a., annually, starting in the calendar year 2026, on July 1st.

      This increase will be the lesser of:

      i. The percentage increase in the most recently published annual Consumer Price Index for All Urban Consumers (CPI-U) for the surrounding statistical urban area for Los Angeles, as reported by the U.S. Bureau of Labor Statistics, or
      ii. by an increase of 5%.

      If such an index should cease to exist, then the increase in the monthly fee shall be no more than 5%.

2. **Allocation and Audit Recovery Services**
   a. Fees for performing the allocation and audit recovery Services described above shall be **15%** of all new, increased and recovered sales and use tax revenue received by the City as a result, in whole or in part, of the allocation audit and recovery services (hereafter referred to as "audit fee"). The fee shall be paid notwithstanding any related City assistance, work in parallel, and/or incurrence of attorneys' fees or other costs or expenses in connection, with the relevant Services.
   b. The Fee described above include, without limitation, State fund transfers received for back quarter reallocations and monies received in the second eight (8) consecutive reporting quarters following completion of Consultant's allocation audit and confirmation of the corrections by the CDTFA.
   c. These Fees shall be paid by City upon Consultant's submittal of evidence of Consultant's relevant Services in support thereof, including, without limitation, copies of relevant communications between Consultant and the CDTFA and/or taxpayers.

FEES – Transactions Tax Services

3. **Transactions Tax and Economic Analysis/Forecasting Services/Reports**
    a. Fees shall be paid **$200** monthly for the transaction district tax reports that we include with the quarterly sales tax analyses. The monthly fee shall be invoiced quarterly and shall be paid by City no later than 30 days after the invoice date.
    b. Consultant will increase the monthly fee established in Exhibit B,3.a., annually, starting in the calendar year 2026, on July 1st.

        This increase will be the lesser of:

        i. The percentage increase in the most recently published annual Consumer Price Index for All Urban Consumers (CPI-U) for the surrounding statistical urban area for Los Angeles, as reported by the U.S. Bureau of Labor Statistics, or
        ii. by an increase of 5%.

        If such an index should cease to exist, then the increase in the monthly fee shall be no more than 5%.

4. **Allocation and Audit Recovery Services**
    a. Fees shall be paid **25%** of the initial amount of new transactions or use tax revenue received by the City because of audit and recovery work performed by Consultant, (hereafter referred to as "audit fees"). New revenue shall not include any amounts determined and verified by City or Consultant to be increment attributable to causes other than Consultant's work pursuant to this agreement. In the event, Consultant is responsible for an increase in the tax reported by businesses already properly making tax payments to the City, it shall be Consultant's responsibility to separate and support the incremental amount attributable to its efforts prior to the application of the audit fee. Said audit fees will apply to state fund transfers received for those specific quarters identified as being missing and/or deficient following completion of the audit by Consultant and confirmation of corrections by the California Department of Tax and Fee Administration but shall not apply prospectively to any future quarter. Consultant shall provide City with an itemized quarterly invoice showing all formula calculations and amounts due for audit fees.

5. **Consulting and Other Optional Services**
    a. Fees for performing the consulting and other optional Services described above shall be based on the following initial hourly rates: (i) Principal - $325; (ii) Programmer - $295; (iii) Senior Analyst - $245; and (iv) Analyst - $195.
    b. Consultant may change the rates for its hourly Fees from time to time. A 30 days' prior written notice to City will be given.

6. **General Provisions Relating to Fees**
    a. Fees for travel and lodging expenses will be invoiced at cost and applied to all meetings (including implementation, training, operations and support). Travel expenses only apply to out of scope travel and must therefore be pre-approved by City.
    b. Fees will be invoiced quarterly to City for Services performed during the prior quarter. To the extent that Consultant has commercially reasonable means to do so, Fees will be netted out of City's monthly revenue disbursement.

EXHIBIT "C"

ADDITIONAL TERMS AND CONDITIONS

1. **Confidentiality; Software Use and Warranty; Records**

   a. Consultant will comply with the requirements of the applicable laws, ordinances and/or regulations of which it has been informed by Client pursuant to Section 5.1 concerning the confidentiality of tax records. Consultant may publicly state that it performs Services for Client.

   b. As used herein, the term "proprietary information" means all information, techniques, processes, services or material that has or could have commercial value or other utility for Consultant or in Consultant's Business, including without limitation, (i) software, computer or data processing programs; (ii) data processing applications, routines, subroutines, techniques or systems; (iii) desktop or web-based software; (iv) audit, tax or fee collection/administration or business processes, methods or routines; (v) marketing plans, analyses and strategies; (vi) materials, techniques and intellectual property used; and (vii) the Software and the Software's documentation. Except as otherwise required by law, Client must hold in confidence and may not use (except as expressly authorized by this Agreement) or disclose to any other party any proprietary information provided, learned of or obtained by Client in connection with this Agreement. The terms of this Section 6.2 do not apply to information that is public information; provided, however, that proprietary information will not qualify as public information if it became public due to Client's (or its employees' or agents') disclosure.

   c. If access to any software which Consultant owns is provided to Client as part of the Services under this Agreement (including, without limitation, if Client chooses to subscribe to such software and/or related reports as part of the Services pursuant to a Schedule to this Agreement) (such Consultant-owned software is, collectively, the "Software"), Consultant hereby provides a limited, non-exclusive, non-transferable license to Client (including such of Client's staff as may be designated from time to time by Client and approved by Consultant in writing) to use the Software pursuant to and during the Term of this Agreement.

   d. The Software must only be used by such authorized Client staff, and Client must not sublicense, sublet, duplicate, modify, decompile, reverse engineer, disassemble, or attempt to derive the source code of the Software. The license granted hereunder does not imply ownership by Client or any of Client's staff of the Software nor any rights of Client or any of Client's staff to sublicense, transfer or sell the Software, or rights to use the Software for the benefit of others. Client may not create (or allow the creation of) any derivative work or product based on or derived from the Software or the Software's documentation, nor modify (or allow the modification of) the Software or the Software's documentation without the prior written consent of Consultant. In the event of a breach of this provision (and without limiting Consultant's remedies), such modification, derivative work or product based on the

Software or the Software's documentation is hereby deemed assigned to Consultant. Upon termination of this Agreement or this Software license, this Software license will be deemed to have expired and Client must immediately deactivate, cease using and remove, delete and destroy all the Software (including, without limitation, from Client's computers and network). **Consultant warrants that the Software will perform in accordance with the Software's documentation**.

e. Notwithstanding anything to the contrary in this Agreement (including any Schedule hereto), if access to any software which Consultant does not own is provided to Client as part of the Services pursuant to this Agreement (including pursuant to any Schedule hereto), Client hereby agrees (i) to comply with all of the terms and conditions imposed on Client's access to such software (including, without limitation, by Consultant, such software's owner, and pursuant to applicable law), and (ii) Consultant has no obligation during the Term of this Agreement or thereafter to provide Client with access to such software.

f. All documents, preliminary drafts, communications and any and all other work product related to the Services and provided by Consultant to Client either in hard copy or electronically are the joint property of Client and Consultant. This does not include the Software or any other software, any programs, any methodologies or any systems used in the creation of such work product, nor does it include any drafts, notes or internal communications prepared by Consultant in the course of performing the Services that were not otherwise provided to Client in either hardcopy or electronic form, all of which may be protected by Consultant or third party copyrights or other intellectual property and remain Consultant's or such third parties' exclusive property (as the case may be). It is possible that any documents, drafts, communications or other work product provided to Client may be alleged to be public records under applicable law and/or may be discoverable through litigation. Well in advance of when Client may disclose such information in response to any request for public records, Client must notify Consultant in writing about the request and, if Consultant requests it, Client must apply for any potential exemption from disclosure that may exist under applicable law.

g. Subject to applicable law, Consultant is responsible for retaining all final documents and other final work product related to the Services for a period of not less than three (3) years from the date provided to Client. Retention of any other documents, preliminary drafts, communications and any and all other work product provided to Client by Consultant is the responsibility of Client. Consultant has no responsibility to retain any drafts, notes, communications, emails or other writings created or received by Client in the course of performing the Services (other than the final documents and other final work product related to the Services and provided to Client for the term of years referenced above).

2. <u>Additional Confidentiality Information</u>

a. Section 7056 of the State of California Revenue and Taxation Code ("R&T

Code") specifically limits the disclosure of confidential taxpayer information contained in the records of the CDTFA. Section 7056 specifies the conditions under which a city, county or district may authorize persons other than such city, county or district's officers and employees to examine state sales and use tax records.

b. The following conditions specified in Section 7056-(b)(1) of the State of California R&T Code are hereby made part of this Agreement:

1. Consultant is authorized by this Agreement to examine sales, use or transactions and use tax records of the CDTFA provided to City pursuant to contract under the Bradley-Burns Uniform Local Sales and Use Tax Law R&T Code Section 7200 et.seq.
2. Consultant is required to disclose information contained in, or derived from, those sales or transactions and use tax records only to an officer or employee of City who is authorized by City resolution provided to the CDTFA to examine the information.
3. Consultant is prohibited from performing consulting services for a retailer (as defined in R&T Code Section 6015), during the term of this agreement.
4. Consultant is prohibited from retaining the information contained in or derived from those sales, use or transactions and use tax records after this agreement has expired. Information obtained by examination of the CDTFA records shall be used only for purposes related to collection of local sales and use tax or for other governmental functions of the City as set forth by resolution adopted pursuant to Section 7056 (b) of the Revenue and Taxation Code. The resolution shall designate the Consultant as a person authorized to examine sales and use tax records and certify that this agreement meets the requirements set forth above and in Section 7056 (b), (1) of the Revenue and Taxation Code.

3. Software Use and Proprietary Information

a. **Software Use.** Consultant hereby provides authorization to City to access Consultant's Sales Tax website if City chooses to subscribe to the software and reports option. The website shall only be used by authorized City staff. No access will be granted to any third party without explicit written authorization by Consultant. City shall not sublet, duplicate, modify, decompile, reverse engineer, disassemble, or attempt to derive the source code of said software. The software use granted hereunder shall not imply ownership by City of said software, or any right of City to sell said software or the use of same, or any right to use said software for the benefit of others. This software use authorization is not transferable. Upon termination or expiration of this Agreement, the software use authorization shall expire, and all City staff website logins shall be de-activated.

b. **Proprietary Information.** As used herein, the term "proprietary information" means all information or material that has or could have commercial value or other utility in Consultant's business, including without limitation: Consultant's (i) computer or data processing programs; (ii) data processing applications,

routines, subroutines, techniques or systems; desktop or web-based software; (iii) business processes; (iv) marketing plans, analysis and strategies; and (v) materials and techniques used; as well as the terms and conditions of this Agreement. Except as otherwise required by law, City shall hold in confidence and shall not use (except as expressly authorized by this Agreement) or disclose to any other party any proprietary information provided, learned of or obtained by City in connection with this Agreement. The obligations imposed by this Section shall survive any expiration or termination of this Agreement or otherwise. The terms of this Section shall not apply to any information that is public information.

EXHIBIT "D"

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

_____I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

HINDERLITER, DE LLAMAS &
ASSOCIATES

By:_____ Date: _____
Andy Nickerson, President

City Council/Financing Authority Meeting **H. 5.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the Emergency Medical Services Field Internship Agreement between the City of Redlands and the San Bernardino Community College District (Crafton Hills College), designating the Redlands Fire Department as a Paramedic Clinical Field Internship Training Site for a five-year period, from July 1, 2025, through June 30, 2030 (Fire Chief Sessler)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

I move to approve the Emergency Medical Services Field Internship Agreement between the City of Redlands and the San Bernardino Community College District (Crafton Hills College), designating the Redlands Fire Department as a Paramedic Clinical Field Internship Training Site for a five-year period, from July 1, 2025, through June 30, 2030.

RECOMMENDATION:

Staff recommends that the City Council approve the Emergency Medical Services Field Internship Agreement (Agreement) between the City of Redlands and the San Bernardino Community College District (Crafton Hills College), designating the Redlands Fire Department as a paramedic clinical/field internship training site for a five-year period, from July 1, 2025, through June 30, 2030.

DISCUSSION:

San Bernardino Community College District (Crafton Hills College) offers approved programs in Emergency Medical Services education, which require students to complete a field internship component. Specifically, paramedic students must complete 720 hours of training under the supervision of a licensed paramedic to meet graduation and initial licensing requirements. The City of Redlands Fire Department has the appropriate facilities and services to support these field internship requirements. Recognizing the mutual benefit to both students and the community, the City of Redlands and Crafton Hills College have maintained a longstanding partnership to support Emergency Medical Services education.

This Agreement designates the Redlands Fire Department as a Paramedic Clinical Field Internship Training Site for a five-year term, from July 1, 2025, through June 30, 2030. Under the terms of the agreement, the Redlands Fire Department will designate a staff member to serve as the Education Coordinator for EMS-related educational use of department facilities and services, including joint planning efforts with representatives of all involved medical services programs. The Fire Department will also provide faculty and students of the District with access to parking, first aid treatment (with appropriate written consent), and educational materials such as procedure guides and policy manuals, in accordance with all applicable rules and regulations. Crafton Hills College will, in turn, provide qualified and licensed healthcare practitioners to serve as instructors for all academic areas and will develop mutually agreed-upon field internship instruction plans to utilize the Fire Department's facilities in support of the educational goals of its Emergency Medical Services curriculum.

The proposed Agreement will allow the City to continue its ongoing support of EMS education and training in partnership with the community college district.

ALTERNATIVES:

The City Council may choose not to approve the Emergency Medical Services Field Internship Agreement and may instead provide alternative direction to staff.

STRATEGIC PLAN:

Priority B - Public Health & Safety

SUBMITTED BY:
Rich Sessler, Fire Chief

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Kristina Rivas, Senior Administrative Assistant

Fiscal Impact

Discussion:

There is no fiscal impact associated with the renewal of the Emergency Medical Services Field Internship Agreement with San Bernardino Community College District (Crafton Hills College). The agreement provides a mutual benefit by supporting student training while enhancing the City's role in fostering future emergency medical service professionals.

Attachments

EMS Field Externship/Clinical Site Agreement

AGREEMENT
EMERGENCY MEDICAL SERVICES
FIELD EXTERNSHIP/CLINICAL SITE

THIS AGREEMENT for Emergency Medical Services Field Externship/Clinical Site is made and entered into this 20th day of May 2025 by and between the **City of Redlands, a municipal corporation ("CITY")** hereinafter called the **CITY and the San Bernardino Community College District by and on behalf of the Crafton Hills College (**hereinafter called the **"District" or the "College").**

PART I BASIS AND PURPOSE OF AGREEMENT

WITNESSETH:

WHEREAS, the District and CITY acknowledge a public obligation to contribute to Emergency Medical Services education for the benefit of students and to meet community needs; and

WHEREAS, the District provides approved programs in Emergency Medical Services education which require field externship experience/clinical sites for students enrolled in these programs; and

WHEREAS, the CITY has facilities suitable for the field externship/clinical site needs of the District's programs in Emergency Medical Services; and

WHEREAS, it is to the benefit of both District and CITY that Emergency Medical Services students have opportunities for externship/clinical site experience to enhance their capabilities as practitioners.

NOW, THEREFORE, the District and CITY do covenant and agree as follows:

PART II GENERAL RESPONSIBILITIES AND PRIVILEGES OF THE DISTRICT

A. General Responsibilities of the District

1. The College is committed to the achievement of equal educational opportunity. Decisions related to admission, participation, student's employment, and financing will not be influenced by race, religion, sex, age, disability, or national origin.

2. The District assumes full responsibility for offering Emergency Medical Services education programs eligible for accreditation by any appropriate State Board or CITY.

3. District faculty members may be invited by CITY to serve as voluntary resource persons to the CITY staff by serving on Emergency Medical Services committees, by sharing knowledge as field experts, and by participation in other matters dealing with the quality of patient care.

4. The District agrees to provide liability insurance for District employees, faculty members and students while participating in activities relating to the instructional program.

5. District shall procure and maintain for the duration of the Agreement the following insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of this Agreement by the District, their students, their agents, representatives, employees or subcontractors.

I. Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage ("Occurrence" forms CGOOOL Ed. 11/85).
2. Workers compensation Insurance as required by the Labor Code of the State of California and Employer's Liability Insurance.
3. Professional liability insurance as indicated below.

II. Minimum Limits of Insurance

District shall maintain limits no less than:

(a) General Liability: $1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. The general aggregate limit shall apply separately to this project/location or the general aggregate shall be twice the required occurrence limit. Higher limits may be required by the CITY if, in the opinion of the CITY staff or its advisors, the exposure of the work to be performed warrants such.

(b) Workers' Compensation and Employers Liability: Workers' Compensation limits as required by the Labor Code of the State of California.

III. Deductible and Self-Insurance Retentions

Any deductible or self-insured retention must be declared to and approved by the CITY.

IV. Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

(a) General Liability Coverage

The CITY, its officers, employees, and volunteers are to be covered as insured as respects: liability arising out of activities performed by or on behalf of the District; products and completed operation of the District premises owned, occupied or used by the District. The coverage shall contain no special limitation on the scope of the protection afforded to the City, its officers, officials, employees or volunteers.

(b) The District's insurance coverage shall be primary insurance as respects the CITY, its officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the CITY, its officers, officials, employees or volunteers shall be excess of the District's insurance and shall not contribute to it.

(c) With respect to the obligations under this Agreement, insurance shall insure as an additional insured CITY and its officers, officials, employees, agents and volunteers from and against any and all liability, loss, damage, expense, costs (including without limitation costs and fees for litigation) arising out of or in connection with the District's performance of this Agreement hereunder, except such loss or damage which was caused by the sole negligence or willful misconduct of the City, its officers, employees and volunteers.

(d) Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the CITY, its officers, officials, employees or volunteers.

(e) The District's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

6. All Coverages

Each insurance policy required by this provision shall be endorsed to state that coverage shall not be suspended, voided, cancelled by either party, reduced in coverage or in limits except after thirty

(30) days prior written notice by certified mail, return receipt requested, has been given to the CITY.

7. Verification of Coverage

   District shall furnish the CITY with certificates of insurance and with original endorsements effecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf with the original provided to the CITY. All certificates and endorsements are to be received and approved by the CITY before work commences. The CITY reserves the right to require complete, certified copies of all required insurance policies at any time.

8. Professional Liability (errors and omissions) coverage in the amount of $1,000,000 per claim made/$2,000,000 aggregate for Emergency Medical Services students is, and throughout the term of the Agreement will be carried by the District for all students participating in the program.

B. For Program Planning

1. District will initiate the development of mutually acceptable field externship/clinical instruction plans for using the CITY's field externship/clinical areas to meet the educational goals of the Emergency Medical Services curricula. These plans will be made available to the CITY at a mutually agreed upon time and subject to revision in instances of conflict with hospital patient care responsibilities or District interests.

C. For Field Externship/Clinical Instructors

1. District will provide faculty members who are both qualified and competent teachers and licensed health care practitioners for all academic areas.

2. District faculty will be responsible for learning and observing the regulations of both District and CITY.

D. For Emergency Medical Services

1. District faculty shall be responsible for instructing in regard to patient and institution confidentiality.

2. District faculty will ensure the CITY that all immunization and background requirements have been met.

3. Emergency Medical Services students shall have the status of students and shall not be considered to be CITY employees, nor shall they replace CITY staff. Field externship/clinical experience will be conducted as a laboratory learning experience.

4. Emergency Medical Services students are subject to the authority, policies, and regulations of the District.

5. District will be responsible for assuring that the Emergency Medical Services students assigned to the CITY facilities and vehicles for field externship instruction comply with all applicable provisions of this Agreement and meet District academic and field externship/clinical standards and rules and regulations of conduct.

PART III GENERAL RESPONSIBILITIES AND PRIVILEGES OF THE CITY

A. General Responsibilities of CITY

1. CITY will maintain the standards which make it eligible for approval as a field externship area for instruction in Emergency Medical Services programs.

2. CITY will permit the faculty and students of the District to use its facilities, provided they comply with all applicable rules and regulations of the CITY.

B. Facilities

1. CITY will permit use of the following facilities by District Emergency Medical Services students and faculty at such times and to the degrees determined by CITY in CITY's sole discretion:

   a. Parking areas,
   b. First aid treatment provided appropriate written consent is given,
   c. Access to sources of information for educational purposes, such as:

      1. Kardex files;
      2. Procedure guides, policy manuals;

3. Medical dictionaries, pharmacology references, and other references suitable to the clinical/field externship area;
4. Books and periodicals in the Medical Library.

C. For Control of District Personnel

1. CITY may without notice or hearing refuse access to its vehicles and facilities to Emergency Medical Services students or District faculty who do not meet its standards for safety, health, cooperation, or ethical behavior or any other applicable rules and regulations. An investigation and resolution of any dispute arising from this provision by the CITY and the District shall take place within sixty (60) days thereafter.

PART IV JOINT RESPONSIBILITIES AND PRIVILEGES

A. For Publications

1. Publication by District faculty or CITY staff members of any material relative to field externship program or experience that has not been approved for release by the District and CITY is prohibited.

B. Assurance of Non-Discrimination

2. The District and the CITY, in compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, and Section 505 of the Rehabilitation Act of 1973, do not discriminate on the basis of race, color, national origin, religion, sex, age, or handicap in any policies, procedures, or practices.

C. Indemnification

1. District shall indemnify, defend, and hold harmless the CITY and its officers, officials, employees, and agents from and against any and all liability, loss, damage, expense, costs (including without limitation costs and fees of litigation) of every nature arising out of or in connection with District's performance of work hereunder or its failure to comply with any of its obligations contained in the agreement, except to the extent that such loss or damage which was caused by the sole negligence or willful misconduct of the CITY.

2. CITY shall indemnify, defend, and hold harmless the District and its officers, officials, employees, and agents from and against any and all liability, loss, damage, expense, costs (including without limitation

costs and fees of litigation) of every nature arising out of or in connection with CITY's performance work hereunder or its failure to comply with any of its obligations contained in the agreement, except to the extent that such loss or damage which was caused by the sole negligence or willful misconduct of the District.

D. This agreement represents the entire integrated agreement between the parties as to its subject. No other representations, agreements, amendments or promises regarding the subject matter of this agreement, whether written or oral, shall be effective for any purpose unless mode in writing and officially approved by each party. The existing agreement between the parties, is superseded by this agreement.

PART V PERIOD OF AGREEMENT

A. This agreement shall be effective as of the July 1, 2025, and shall continue in effect until June 30, 2030 or terminated by written notice of either party. This Agreement may be terminated by either party by written notice and may be terminated at any time pursuant to the following:

1. Upon written mutual consent by the District and the CITY, or

2. In the event of any uncured default of any provision in this Agreement following the expiration of 30-day prior written default notice by the non-defaulting party to the defaulting party.

IN WITNESS WHEREOF, the parties by their duly authorized representatives have executed this Agreement as of the last date written below.

APPROVED BY THE CITY City of Redlands	APPROVED BY THE DISTRICT San Bernardino Community College District
_____ Mario Saucedo, Mayor	_____ Steven J. Sutorus, Executive Director, Business & Fiscal Services
_____ Date	_____ Date

ATTEST:

_____
Jeanne Donaldson, City Clerk

CITY CONTACT

_____
Name

_____
Title

_____
Address

_____

_____
Phone

City Council/Financing Authority Meeting **H. 6.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Adopt Resolution No. 8691 establishing the policy for reporting on Staff Vacancies and the City's Recruitment and Retention Efforts to comply with Government Code Section 3502.3 and Assembly Bill 2561 (Human Resources/Risk Management Director Meteau)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

I move to adopt Resolution No. 8691.

RECOMMENDATION:

Staff recommends that the City Council adopt Resolution No. 8691, establishing the policy for reporting on Staff Vacancies and the City's Recruitment and Retention Efforts to comply with Government Code Section 3502.3 and Assembly Bill 2561

DISCUSSION:

In September 2024, Assembly Bill (AB) 2561 was signed into law, adding Government Code Section 3502.3. This legislation requires public agencies to present the status of workforce vacancies and their recruitment and retention efforts at a public hearing held at least once per fiscal year. The law also provides that recognized employee organizations must be given the opportunity to make a presentation at the hearing, supporting greater transparency and labor engagement in addressing staffing challenges.

The policy entitled "Reporting on Staff Vacancies and the City's Recruitment and Retention Efforts", establishes the framework and procedures for presenting workforce vacancy data to the City Council, in compliance with Government

Code Section 3502.3 (AB 2561). The policy defines the specific roles and responsibilities of both the City and its recognized employee organizations and outlines procedural requirements to ensure a transparent and orderly process, including:

1. Advance Notice: Recognized employee organizations will receive timely notification prior to the City Council meeting where the vacancy data will be presented.

2. Right to Present: Employee organizations may request to make a presentation or offer public comment in response to the vacancy report, consistent with the City's existing public meeting procedures.

3. Presentation Format and Time Limits: The policy defines an orderly format and reasonable time allocations for presentations by City staff and labor representatives to ensure efficient use of meeting time while allowing for meaningful participation.

This policy is intended to enhance public transparency, promote effective communication between the City and its recognized employee organizations, and support a collaborative approach to addressing recruitment and retention challenges. The City may update or revise the policy in the future to reflect changes in applicable law, evolving labor relations practices, or organizational needs.

ALTERNATIVES:

N/A

STRATEGIC PLAN:

N/A

SUBMITTED BY:
Robert Meteau Jr., Human Resources/Risk Management Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Kisha McDonald, Human Resources Manager

Fiscal Impact

Discussion:
N/A

Attachments

Resolution No. 8691
Exhibit A, Policy (AB2561)

RESOLUTION NO. 8691

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS ADOPTING A POLICY TO COMPLY WITH GOVERNMENT CODE SECTION 3502.3 RELATED TO THE PUBLICATION OF VACANCIES IN CITY POSITIONS AND THE HOLDING OF AN ANNUAL PUBLIC HEARING RELATED THERETO

WHEREAS, Government Code 3502.3 (California Assembly Bill 2561) requires public agencies to hold at least one (1) public hearing per fiscal year to discuss vacancies in City positions and the recruitment and retention efforts of the City to maintain filled positions to carry out services to the Redlands community; and

WHEREAS, Government Code 3502.3 contains specific requirements to be shared at the public hearing which includes the vacancies of each bargaining unit, the City's recruitment and retention efforts, and any concerns with the City's policies, procedures, and recruitment activities which may pose an obstacle in the hiring process; and

WHEREAS, Government Code Section 3502.3 allows recognized employee organizations to make a presentation during the public hearing if the organizations so elect and additional requirements when the vacancy rate in a bargaining unit is at least 20% of the total number of authorized full-time positions;

WHEREAS, the purpose of the policy is to provide guidance in this annual process to ensure that the public hearing is fair, orderly and efficient process.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF REDLANDS AS FOLLOWS;

Section 1. That the City Council hereby adopts the policy entitled, "Reporting on Staff Vacancies and the City's Recruitment and Retention Efforts" attached hereto as Exhibit "A" in compliance with Government Code Section 3502.3.

Section 2. This Resolution shall take effect immediately upon its adoption.

ADOPTED, SIGNED AND APPROVED this 20th day of May 2025.

_____
Mario Saucedo, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk of the City of Redlands, hereby certify that the foregoing Resolution was duly adopted by the City Council at a regular meeting thereof, held on the 3rd day of June, 2025, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

_____
Jeanne Donaldson, City Clerk

EXHIBIT “A”
POLICY ON REPORTING ON STAFF VACANCIES,
AND THE CITY’S RECRUITMENT AND RETENTION EFFORTS

[Attached]

REPORTING ON STAFF VACANCIES, AND THE CITY'S RECRUITMENT AND RETENTION EFFORTS

PURPOSE

This policy establishes the framework and requirements for holding public hearings and reporting on the City of Redlands workforce vacancies, recruitment, and retention efforts in compliance with Assembly Bill ("AB") 2561. (Gov. Code § 3502.3.) Effective January 1, 2025, Government Code Section 3502.3 requires City of Redlands to present information on the status of staff vacancies of each bargaining unit and the City's recruitment and retention efforts at a public hearing before the City Council of the City of Redlands at least once per fiscal year.

DEFINITIONS

A. Public Hearing: A formal meeting that is open to the public, where City of Redlands representatives present information and accept public comments on specific topics, as required by law.

B. Vacancies: Unfilled positions within the City of Redlands workforce that require recruitment efforts to be adequately staffed.

C. Recruitment: The process of attracting, screening, and selecting qualified candidates for employment with the City of Redlands.

D. Retention: Efforts to maintain a stable and satisfied workforce by addressing the factors that contribute to stability in the workforce.

PROCEDURE

Policy Statement

In accordance with AB 2561 (Gov. Code § 3502.3), the City of Redlands is committed to holding a public hearing on vacancies, recruitment, and retention efforts and any issues with the City of Redlands policies, procedures, and recruitment activities that may lead to obstacles in the hiring process.

The City of Redlands will hold a public hearing at least once each fiscal year and provide reports on vacancies, recruitment, and retention efforts.

POLICY PROVISIONS:

Public Hearing Requirements

A. The City of Redlands shall conduct public hearings at least on an annual basis (once each fiscal year) to present information on vacancies, recruitment and retention efforts and issues

with the policies, procedures, and recruitment activities that may lead to obstacles in the hiring process.

B. Public hearings shall be announced in advance and provide an opportunity for members of the public to make comments.

C. Recognized employee organizations shall have the right to present information, concerns, and recommendations at the public hearing.

   a. In the notice, the City will inquire whether the employee organization intends to make a presentation to the City Council at the public hearing. The City will request that, for planning purposes, the employee organization provides written notice to the Human Resources Department at least ten (10) working days in advance of the public hearing indicating whether the employee organization intends to make a presentation at the public hearing.
   b. The notice will also inform the employee organization for each bargaining unit they will be allotted ten (10) minutes for their presentation at the public hearing.
   c. Notice of the hearing to the public will be provided in accordance with the Ralph M. Brown Act. (Gov. Code §§ 54950-54963.)

D. Separate public hearings may be scheduled to address individual bargaining units or bargaining unit groupings.

E. The City Clerk shall ensure that each public hearing is adequately documented, with minutes and recordings made publicly available.

1. REPORTING REQUIREMENTS

The City of Redlands shall present information on the following at the public hearing:

A. The status of vacancies at the City of Redlands

B. Information on the City of Redlands recruitment and retention efforts.

C. Identification of any obstacles in the City of Redlands policies, procedures, and recruitment activities that may create challenges in the hiring process.

2. SPECIAL REPORTING REQUIREMENTS FOR HIGH VACANCY RATES

If the number of job vacancies within a single bargaining unit meets or exceeds 20% of the total number of authorized full-time positions, the City of Redlands shall, upon request of the recognized employee organization, include the following information during the public hearing:

A. The total number of job vacancies within the bargaining unit.

B. The total number of applicants for vacant positions within the bargaining unit.

C. The average number of days to complete the hiring process from when a position is posted.

D. Opportunities to improve compensation and other working conditions.

3. MONITORING AND REVIEW

The Director of Human Resources/Risk Management or designee may review the effectiveness of this policy and make revisions as necessary to ensure ongoing compliance with Gov. Code § 3502.3 (AB 2561) and alignment with best practices in public transparency.

4. COMPLIANCE AND ENFORCEMENT

The City of Redlands will maintain records of all public hearings, reports, and related documents in compliance with public records requirements.

City Council/Financing Authority Meeting **H. 7.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Approve an Event Services Agreement with the University of Redlands to conduct the Redlands Emergency Services Academy at the University's facility, and determine that approval of the agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Police Chief Tolber)

MOTION(S):

If City Council determines that staff's recommendation is appropriate, the following motions are provided:

1. I move to determine that approval of the agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and

2. I move to approve the Event Services Agreement with the University of Redlands.

RECOMMENDATION:

Staff recommends that the City Council approve the Event Services Agreement between with the University of Redlands for services relating to the Redlands Emergency Services Academy beginning Wednesday, July 09, 2025, through Wednesday, July 16, 2025, and determine that approval of the agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act.

DISCUSSION:

The Redlands Emergency Services Academy (RESA) is a partnership with the Redlands Police Department, Redlands Fire Department, Crafton Hills College, and the University of Redlands to provide graduating high school students with a rigorous, hands-on introduction to public safety careers. The week-long academy gives local students interested in careers in emergency services an opportunity to learn from Redlands police officers and firefighters. Many participants have gone on to careers in both fields. For over twenty-five years, the University of Redlands has provided RESA with the use of their facilities to include housing, meeting rooms, and meals. The agreement incorporates costs associated with RESA program activities that take place on the campus. A portion of these costs are underwritten by the University of Redlands. The remaining costs will be funded through donations from the community and local organizations. Currently, RESA has applied for several donations, including a $30,000 grant from Yuhaaviatam of San Manuel Nation, a $20,000 grant from Stater Brothers, a $12,000 grant from Tom Bell, a $500 donation from Redlands Police Officers' Association, and a $500.00 donation from Redlands Professional Firefighters' Association. The total cost for the University of Redlands, including sleeping rooms, facility rentals and meals is $52,433.64. The University of Redlands and Harvest Table have agreed to underwrite (donate) $44,500.00 for sleeping rooms, meals, and facility rentals. This leaves RESA responsible for $7,933.64 to cover fees, meals and service. This amount is covered by the grants/donations, leaving no fiscal impact on the General Fund.

ALTERNATIVES:

Do not authorize the agreement between the City of Redlands and the University of Redlands.

STRATEGIC PLAN:

Not applicable.

SUBMITTED BY:

Rachel Tolber, Police Chief

RECOMMENDED BY:

Charles M. Duggan, Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Sergeant Dominick Povero, Police Department

Fiscal Impact

Fiscal Year:	FY 2025-26
Appropriation Required Y/N:	No
Budgeted Y/N:	No
Discussion:	

Attachments

RESA 2025 Event Services Agreement

Organization: City of Redlands
Client Contact: Povero, Dominick
Address: 1270 W. Park Avenue
Redlands CA 92373
Phone: (909) 557-6928
Email: dpovero@redlandspolice.org

University of Redlands Event Services
1200 East Colton Avenue
PO Box 3080
Redlands, CA 92373

www.redlands.edu/event-services
events@redlands.edu
(909) 748-8116

EVENT SERVICES AGREEMENT

This is an agreement by and between the University of Redlands, a California nonprofit educational corporation with multiple campuses in California (the "University") and **City of Redlands** , a municipal coporation and general law city, herein (the "User"). Essentially, the User is agreeing to rent space from, and utilize the services of, the University on the terms and conditions specified in this agreement (the "Agreement").

Agreement Issue Date: March 09, 2025

Agreement Expiration Date: April 16, 2025
To give the User time to review, consider, and finalize this Agreement, the University will reserve the event dates and event spaces that are the subject of this Agreement until the Agreement Expiration Date as a courtesy to the User. If the User has not returned the completed/executed Agreement, together with any required deposits and documents, the User understands that the University may release, and not hold, the dates and space.

Subject of this Agreement: RESA25 - Housing - 2025-ABPWMQ

RESERVATIONS

Wednesday, July 09, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

07:00 AM - 08:30 AM

05:00 PM - 06:30 PM Expected Attendance:40

Dinner at The Table

Thursday, July 10, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

Thursday, July 10, 2025

07:00 AM - 08:30 AM Expected Attendance:40

Breakfast at The Table

05:00 PM - 06:30 PM Expected Attendance:40

Dinner at The Table

Friday, July 11, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

07:00 AM - 08:30 AM Expected Attendance:40

Breakfast at The Table

05:00 PM - 06:30 PM Expected Attendance:40

Dinner at The Table

Saturday, July 12, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

07:00 AM - 08:30 AM Expected Attendance:40

Breakfast at The Table

05:00 PM - 06:30 PM

Sunday, July 13, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

07:00 AM - 08:30 AM Expected Attendance:40

Breakfast at The Table

05:00 PM - 06:30 PM Expected Attendance:40

Dinner at The Table

Monday, July 14, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

Monday, July 14, 2025

07:00 AM - 08:30 AM Expected Attendance:40

Breakfast at The Table

05:00 PM - 06:30 PM Expected Attendance:40

Dinner at The Table

Tuesday, July 15, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

07:00 AM - 08:30 AM Expected Attendance:40

Breakfast at The Table

05:00 PM - 06:30 PM Expected Attendance:40

Dinner at The Table

08:00 PM - 11:00 PM

Orton Center

Wednesday, July 16, 2025

12:01 AM - 11:59 PM

Grossmont Hall (120)

07:00 AM - 08:30 AM Expected Attendance:40

Breakfast at The Table

05:00 PM - 06:30 PM

05:00 PM - 09:00 PM

Orton Center

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FINANCIALS

	List Price	Adjustment		Sub Total for Jul 09 2025
Standard Breakfast ($11.80 Plus tax)7/1	$2,832.00			$3,079.80
				$3,079.80

	List Price	Adjustment		Sub Total for Jul 09 2025
Standard Dinner ($14.44 plus tax) 7/1	$3,465.60			$3,768.84
				$3,768.84

	List Price	Adjustment		Sub Total for Jul 16 2025
Orton Center	$3,500.00	(100%)	Concession	$.00
AV – Conference AV Base Package	$100.00	(100%)	Concession	$.00
				$.00

	List Price	Adjustment		Sub Total for Jul 09 2025
Grossmont Hall (120)	$37,800.00	(100%)	Concession	$.00
Conference - Service Fee		$1,085.00	$155 x 7 days	$1,085.00
				$1,085.00

	List Price	Adjustment		Sub Total for Jul 15 2025
Orton Center	$3,000.00	(100%)	Concession	$.00
AV – Conference AV Base Package	$100.00	(100%)	Concession	$.00
				$.00

TOTAL MINIMUM INITIAL PROJECTED AMOUNT: $7,933.64

Non-Refundable Reservation Deposit (25%): $1,983.41

Minimum Revenue Requirement (80%): $6,346.91

Additional services and/or equipment may result in fees not outlined in the financials above, such as audio visual or rentals.

This space intentionally left blank.

I. RESERVATION

The University will reserve the venue(s), housing, food service plans, equipment, and services as outlined in this Agreement. User's reservation must include the time needed for pre-event preparations and post-event cleanup, including any time needed by User's external vendors. Should additional venues, housing, food service plans, equipment, or services be requested, the User must submit to the University a written request for the adjustment. Requests for additional reservations are not guaranteed, but will be accommodated when possible. If the University is able to accommodate the additional reservations an addendum to this Agreement will be issued.

A reservation becomes effective after (a) the Agreement is signed by both the University and the User and (b) the University has received a non-refundable reservation deposit in the amount of 25% of the total minimum initial projected amount specified in the Agreement.

II. VENUE(S)

The University has venues that may be available for rental throughout the year. Fees for venue rentals include only (a) use of the reserved venue during the reserved days/times and (b) existing tables and chairs available from the University's inventory and located in the venue. Other equipment and services may be arranged with additional costs, including audio visual equipment and/or services.

If the User wants the venue(s) set up in a particular way, the User must submit to Event Services a written request specifying the room set-up specifications and/or diagrams no less than twenty-one (21) days prior to the first day of guest arrival. Any set-up specifications submitted less than twenty-one (21) days prior to the first day of guest arrival can not be guaranteed.

Although it is rare, and the University seeks to avoid any changes, the University reserves the right to change specific venue assignments as necessary for University business. If a change becomes necessary, the University will move the event/function to a comparable and adequate venue on the University campus and will communicate any such changes to the User in a timely manner.

Although collaboration between the University and the User is expected, the University reserves the right to make the final decision concerning the suitability of holding a function outdoors or relocating to an indoor space due to inclement weather (including excessive heat and/or poor air quality), construction, or other unforeseen circumstances. In the event a function is moved, the University agrees to provide directions and assistance on the alternate location.

The University of Redlands strives to be inclusive of all individuals with disabilities and/or limited mobility of varying degrees on our campus. Despite our efforts to be inclusive, some buildings were built prior to the advent of modern building codes and accessibility standards. To provide access or reasonable accommodation for all individuals, it is imperative that the User submit to Event Services a written request specifying the accommodation specifications for attendees with special needs (including housing) no less than twenty-one (21) days prior to the first day of guests arrival. Strong pre-planning will allow us to create a program that meets the needs of your entire group with the venues that are available. Any accommodation requests submitted less than twenty-one (21) days prior to the first day of guest arrival can not be guaranteed.

III. HOUSING

When residence halls and/or apartments are included in a reservation, the following terms and conditions will apply.

A. Specific Residence Hall/Apartments

Although it is rare, and the University seeks to avoid any changes, the University reserves the right to change specific residence hall/apartment assignments as necessary for University business. If a change becomes necessary, the University will provide comparable residence hall/apartment space and will communicate any such changes to the User in a timely manner.

B. Check-In and Check-Out

Check-in and check-out times and locations must be arranged and approved by Event Services no less than twenty-one (21) days prior to the first day of guest arrival.

C. Rooming List

A FINAL rooming list of all guests must be submitted to Event Services no less than fourteen (14) days prior to the first day of guest arrival. The FINAL rooming list must include: each guest's first and last names and room assignment.

The University will provide hall charts and diagrams for the User to make room assignments. Room changes are handled by the User's conference registrar, event planner, or representative and must be reported to Event Services.

All rooming lists must be legible and include participants' first and last names.

The University may, in its sole discretion, reassign any guest within the residence halls/apartments to a comparable room. The User will not be charged for any room assignment initiated by the University unless it is due to guest behavior.

D. Safety Requirements

To meet fire codes and ensure personal safety, room capacities in the residence halls shall be limited to no more than the number of persons per established sleeping room, unless otherwise designated on floor plans provided by the University. Under no circumstances may attendees sleep on the floor of any residence hall or apartment.

E. Notice of Onsite Staff

Be advised the User may be placed in housing that has a student affairs professionals living in residence. Onsite staff members are trained mandated reporters and have undergone a background check.

F. Right of Entry

The University reserves the right to enter any housing provided to the User pursuant to this Agreement to inspect the premises for the purposes of maintaining health and safety, for reasonable maintenance inspection, for repair, or in any situation deemed by the University to be an emergency. Under no circumstances shall the University enter housing for any reason other than health, safety, maintenance and repair, emergency, or compliance with University policies without prior notification to the User. This includes vendors contracted by the University.

G. Quiet Hours

Quiet hours are 11:00 PM-07:00 AM. Radios, televisions, stereos, and other such equipment must be operated so as not to disturb. This is to be observed by all guests to ensure a peaceful and comfortable living environment.

H. After Hours

Any questions or services required after hours will be handled by the University's Public Safety Department. All calls for assistance should be made to Public Safety at 909-748-8888.

I. Linens

Linens are available to rent, per seven (7) day period. Each linen packet includes a pillow, two sheets, pillowcase, blanket, bath towel, and wash cloth. Linens must be ordered no less than fourteen (14) days prior to the first day of guest arrival and cannot be added after this date. Final pricing per packet will be outlined when linens are ordered, not when Agreement is signed.

J. Pillows

Pillows are available to rent, per seven (7) day period. Pillows must be ordered no less than fourteen (14) days prior to the first day of guest arrival and cannot be added after this date. Final pricing per pillow will be outlined when linens are ordered, not when Agreement is signed.

IV. FOOD SERVICE PLANS

When food service plans are included in a reservation, the following terms and conditions will apply.

A. Exclusive Provider

The University has an exclusive contract with Harvest Table Culinary Group ("Harvest Table") for all food and beverage services on the University's Redlands campus. No external food or beverages may be brought on the Redlands campus without prior written approval from Harvest Table and Event Services.

B. Regular Summer Dining Hours at The Table

Breakfast 07:00 AM- 08:30 AM, Lunch 11:30 AM- 01:00 PM, and Dinner 05:00 PM- 06:30 PM

User must submit FINAL MEAL TIMES for standard meal plans to Harvest Table no less then twenty-one (21) days prior to the first day of guest arrival.

C. Standard Meal Plans

Prices specified in the Agreement reflect the standard meal plans at The Table in The Irvine Commons ("The Table"). Meals at The Table are All-You-Care-To-Eat and must be consumed on the premises. If to-go options are needed, arrangements must be made with Harvest Table no less than ten (10) days prior to the first day of guest arrival.

Harvest Table needs a guarantee of fifty (50) guests to open The Table. If User is below fifty (50) guests there will be a surcharge on each meal. A surcharge will be determined based on User guest numbers, along with other potential users or diners eating during User's stay.

Meal passes will be supplied by the University to the User. If a meal pass is lost, Event Services must be notified immediately and a replacement fee will be incurred for each new pass.

D. Final Guarantee for Standard Meal Plans

User must submit a FINAL GUARANTEE for standard meal plans to Harvest Table no less than fourteen (14) days prior to the first day of guest arrival. User can have no more than three (3) different standard meal plan configurations. Numbers for standard meal plans may not be reduced once the FINAL GUARANTEE is received for any reason including, but not limited to, guests who do not show up and use their standard meal plan or additional meal events that change the number of guests using their standard meal plan. Should the User's numbers increase after the FINAL GUARANTEE has been given, requests can be made to Harvest Table up to seven (7) days prior to the first day of guest arrival, but adjustments are not guaranteed. Changes to guest counts cannot be made less than three (3) days prior to the first day of guest arrival.

E. Water Stations

A complementary water station, including to-go cups, will be available daily outside of the Irvine Commons.

If additional water stations are needed, arrangements, including any financial obligations, must be made directly between the User and Harvest Table no less than twenty-one (21) days prior to the first day of guest arrival.

F. Catering

Catering arrangements, including any financial obligations, must be made directly between the User and Harvest Table no less then twenty-one (21) days prior to the first day of guest arrival. The University is not involved in catering arrangements and does not accept responsibility for catering.

It is the responsibility of the User to notify the University as to which standard meals will be provided at The Table and which meals will be a Harvest Table catered event. User accepts all responsibility for guaranteed numbers given for either meal cards or catered events.

G. Alcoholic Beverages

The possession or consumption of alcoholic beverages by anyone under the age of twenty-one (21) is

prohibited by California law.

Harvest Table Culinary Group (Harvest Table) is the only organization that is permitted to bring to or have alcohol available for an event at the University. Harvest Table carries the appropriate liquor licenses and requires state regulated training for bartenders and wait staff that handle alcohol. Harvest Table requires a minimum of thirty (30) days advanced notice of a bar/alcohol request.

In order to serve alcohol at an outdoor venue, perimeter fencing must be provided at the User's expense. The perimeter fence must be diagramed by Event Services and submitted to Harvest Table for approval a minimum of thirty (30) days prior to the event date. Once the diagram is approved, changes cannot be made.

Should the University or Harvest Table determine any User or User's guest has brought any type of alcohol onto the premises without prior written approval, or allows any minor to consume any alcoholic beverage, the university or Harvest Table reserves the right to close the bar immediately and/or terminate the function entirely at the User's expense. User shall be responsible for providing transportation for the safety and well-being of all guests. In addition, the User will be responsible for all fines, loss of business, assessments, and liability of any nature as a result of the above.

Alcohol is not permitted in the residence halls. Violation of this Agreement may result in the immediate removal of the guests from the residence hall at the University's sole discretion.

V. ADDITIONAL SERVICES AND/OR EQUIPMENT

Sometimes Users arrange for additional services or equipment from the University that are not included in the venue rental rates. Common services or equipment include audio-visual services or equipment, IT services, printing services, or use of the University's Outdoor Programs equipment. Additional services and equipment must be specifically arranged and agreed upon.

VI. FINANCIAL TERMS AND CONDITIONS

The following financial terms and conditions apply to this Agreement.

A. Minimum Revenue Requirement

User will be billed a Minimum Revenue Requirement which is determined by adding the total dollar values of the Venues, Housing, Food Service, and other billable expenses which equal the Total Minimum Initial Projected Amount, and multiplying this figure by 80%.

User understands and fully accepts the Minimum Revenue Requirement due to the University no matter the actual number of guests or spaces and equipment used. Final invoices will be calculated based on the criteria detailed below, and will be whichever is greatest of the following:

1. The Minimum Revenue Requirement, plus Additional Charges as outlined below. Under no circumstances with the User be charged less the Minimum Revenue Requirement.

2. The final requested room set-up specifications and/or diagrams of all needed venues (submitted twenty-one (21) days prior to the first day of guest arrival), the final rooming list of all guests (submitted fourteen (14) days prior to the first day of guest arrival), and the final guarantee for standard meal plans (submitted twenty-one (21) days prior to the first day of guest arrival) if greater than actual numbers, plus Additional Charges as outlined below.

3. The actual number of guests, venues, housing, and food service plans if higher than final guarantees, plus Additional Charges as outlined below.

B. Service Fee

The User understands and agrees that the University adds a service fee of five percent (5%) to the final billable amount for all events.

C. Payment

Payment may be made by check, credit card or wire.

Checks should be made payable to "University of Redlands" and sent to the following address:

University of Redlands
Event Services Department
1200 East Colton Avenue
Redlands, CA 92373

A $25.00 fee will be assessed for returned checks.

For payments less than $25,000, the University accepts payment by credit card.

For Payments more than $25,000, the University prefers wire payment, which can be coordinated with Events Services.

General questions regarding billing should be addressed with Event Services.

D. Deposit Payment

The reservation that is the subject of this Agreement becomes effective when both the Agreement is fully executed and when the University receives payment a deposit (see above). Deposits are non-refundable.

The deposit will be applied to the User's full invoice or to any cancellation fee that may apply.

E. Payment Schedule

Following the conclusion of the event, the University will mail to the User a final invoice that captures any unpaid balances/amounts and any charges incurred during the event as provided for in this Agreement.

The User agrees to pay any invoice within thirty (30) days after receipt of the invoice. Failure to pay the balance due as stated on the invoice within thirty (30) days of the invoice date will result in late fees being charged at a rate of 5% every fourteen (14) days.

The User specifically agrees to be responsible for any and all charges levied consistent with this Agreement, including but not limited to late fees.

F. Additional Charges

1. Damages

The User is responsible for all damages caused by User, User's guests/attendees, and/or User's service providers. Reasonable wear and tear is not considered to be "damages." Should damages occur, the University will provide as much detailed information concerning the location of damages and, if possible, the date and time they occurred (or were discovered) along with a photograph. All decisions regarding damages are unilaterally made by the University which is under an obligation to exercise that discretion in a reasonable manner. The User agrees to respect the University's unilateral judgments about damages.

2. Cleaning

Each User (and User's service providers) will be responsible for general cleanup. All decorations must be removed prior to departure. All trash must be placed in the trash receptacles in or near the contracted venue(s). Any glass breakage is to be swept up and removed from the premises. Any plates, bottles, or linens on lawns are to be picked-up. Rental items from service providers must be removed upon departure. No rental items are to be left on University property overnight. A minimum charge of $300.00 will be assessed to the User for rental items left by User or service providers in any venue or University location. The University is not responsible for the delivery, storage, or protection of any property, items, or material goods left in the venue or on University property.

The standard rental of any venue on campus includes a basic "light-cleaning" (which includes vacuuming venue and sanitizing of bathrooms), both before and after the event. No additional fees will be charged for this basic cleaning as it is included in the rental fee. Cleaning that is required that goes beyond light cleaning will be billed to the User at the hourly cleaning rate then in effect. All decisions regarding the necessity of cleaning are unilaterally made by the University which is under an

obligation to exercise that discretion in a reasonable manner. The User agrees to respect the University's unilateral judgments about cleaning.

3. Services or Equipment from the University

   Services or Equipment ordered through the University including, but not limited to, Audio-Visual Services or Equipment, IT Services, Printing Services, and Outdoor Programs equipment will incur additional charges.

4. Services or Equipment from Outside the University

   Sometimes Users need services or equipment that are not available from the University. User accepts financial responsibility for any and all services or equipment rentals obtained from providers outside the University whether the User arranges for these services or equipment directly or whether the services or equipment are arranged by the University on behalf of the User as a courtesy (and at the User's direction).

   User shall ensure that all such entitles or vendors that it retains directly maintain insurance that complies with all requirements stated in the INSURANCE section of this Agreement.

5. Room Setup Changes or Late Submissions

   Rental fees include University setup and take down service for the existing tables and chairs based on University inventory limits for the reserved venues. If the User changes the setup or arrangement after the final venue setup is submitted (or if the setup is submitted late), the University reserves the right to charge the User a late fee of up to $200.00 per day for each day beyond requested room set-up specifications and/or diagrams due date.

6. Time Charges

   User's reservation must include the time needed (including time for User's venders) for set-up and tear-down. If the User exceeds the time limits established in the Agreement, the User understands and agrees that the User will be billed for the additional rental time, rounded up to the next hour, at a rate established in the Agreement (the rate for extra-contractual time will be a minimum of 150% of the average hourly cost of the rental).

7. Late Housing Lists

   The University reserves the right to charge the User a late fee of up to $200.00 per day for each day beyond the FINAL rooming list due date until the User's rooming list is received by the University – outlined in HOUSING, Rooming List.

8. Lost Keys

   Keys lost during the event or not returned during check-out or within eight (8) hours after check-out will be assessed a fee of $75.00 each for residence hall/apartment keys. Master keys lost during the event or not returned during check-out or within eight (8) hours after check-out will be assessed a fee of $750.00 each. There are NO exceptions to the return timeline.

9. Pool Passes

   Pool passes are available at a cost per guest. Pool passes are valid for a seven (7) day period. The availability of pool passes is contingent upon the pool being open during the User's event and pool passes must be used during the posted hours for general usage. Any guest using the pool who is under the age of eighteen (18) years must be accompanied by a responsible adult who also has a pool pass.

10. Fitness Center Passes

    Fitness Center passes are available at a cost per guest. Fitness Center passes are valid for a seven (7) day period. The availability of Fitness Center passes is contingent upon the Fitness Center being open during the User's event and Fitness Center passes must be used during the posted hours for general usage. Fitness Center usage is restricted to persons eighteen (18) years or older

VII. TERMINATION/CANCELLATION

A. Termination of Agreement by the University

The University does not have the right unilaterally to cancel this Agreement or terminate its obligations under the Agreement absent a force majeure event.

B. Termination of Agreement by the User

User must give written notice of any event cancellation or termination of the Agreement. A cancellation that is received by the University more than ninety (90) days prior to the event date will result in a forfeiture of the deposit User made, together with any costs already incurred to outside vendors. A cancellation that is received by the University ninety (90) days or less before the event date will result in a forfeiture of the entire cost of the event as specified in the Agreement, together with any costs already incurred and agreed to by User. Rescheduling an event is considered the same as cancellation and is subject to the above policy.

VIII. INSURANCE

The University requires all non-university events and users to carry either self-insure or carry comprehensive general liability insurance. A certificate of insurance can be purchased through Campus Connexions, the University of Redlands' special event insurance partner: https://redlands.campusconnexions.com/student-insurance/tenant-user-liability-insurance.html. A certificate of insurance can also be obtained through an existing business or homeowner's insurance company. Most insurance companies will provide a rider policy for the day of the event for a nominal fee. This service works for events that are personal in nature - i.e. weddings, parties, anniversaries, graduation parties, etc. Comprehensive General Liability insurance must list the University of Redlands, its trustees, officers, employees, representatives, and assigns as an additional insured on a primary and non-contributory basis, and must include a waiver of subrogation. A certificate of insurance should be issued by the carrier in the amount of $1,000,000 for each occurrence and $2,000,000 for general aggregate. **The certificate of liability insurance must be received by the University thirty (30) days from the Agreement date**.

If in connection with this Agreement, User or guests of User will include persons under the age of eighteen (18), then the General Liability insurance policy must provide coverage for sexual misconduct (including by definition sexual molestation, abuse, and harassment) with limits of no less than $1,000,000 per occurrence/$2,000,000 aggregate. Note: If the General Liability coverage has any sub-limits or exclusions inconsistent with the above that apply to coverage for sexual misconduct the Certificate of Insurance must define those limits or exclusions.

If the event includes the use of an automobile for the purposes of the activity, automobile insurance is required by the carrier in the amount of $1,000,000 for each occurrence and $2,000,000 for general aggregate.

If the client is bringing workers on campus for the event, workers comp is required at the state-mandated limits.

Each insurance policy shall be issued by an insurance company authorized to do business in the State of California or eligible surplus lines insurer acceptable to the State and having agents in California to whom service of process may be made, and currently rated by A.M. Best as "(A-) IX" or better.

For subcontractor insurance requirements, see the Services or Equipment from Outside the University section of this Agreement.

VIX. FORCE MAJEURE

If either party is delayed, interrupted or prevented from the performance of its contractual obligations by reason of an act of nature, fire, flood, war, public disaster, acts of terror, strikes or labor difficulties, governmental enactment, regulation or order, civil tumult, pandemic, epidemic, telecommunications failures, network or power failures or interruptions, or any other cause beyond its control, such party shall not be liable to the other therefore, except, however that the User shall remain liable for all non-cancelable costs paid and/or contracted by the University of Redlands before the event that occasioned the delay, interruption, or prevention. Non-cancelable costs are defined as third party costs for services already rendered or items already consumed.

X. MISCELLANEOUS

A. Animals

No animals of any kind may be brought into or kept in a University venue. Emotional Support Animals (ESAs) are also not permitted. Under Fair Housing Act/HUD guidelines, ESAs must be permitted in a qualifying individual's permanent residence. Because guests are staying in temporary housing on the University of Redlands campus, the University campus does not become a "residence" and thus ESAs are not permitted. Service animals that accomplish tasks for a disabled person are the only animals permitted on campus during events. Prior notification of the need of service animals is requested.

B. Bicycles

Bicycles may not be brought into or kept in residence halls. Ample parking for bicycles is available near each residence hall. The University is not responsible for the security of bicycles. Motorbikes are not permitted inside any building.

C. Cooking Appliances

Guests may not bring their own refrigerator or microwave. Guests may bring and use in their rooms, coffee makers with an automatic shut-off. Appliances which have an open coil or use hot oil are not allowed in residence halls.

D. Decorations

Users may only decorate the venue(s) reserved within this Agreement. Users may not attach tape, florist clay, tacks, screws, nails, or any other adhering devise to any indoor or outdoor property at the University. Decorations may be attached by using reusable all surface poster tack (painter's tape). User may not attach decorations to antique furniture, ceiling fixtures, windows, or doors. No items can be attached to or block vision of emergency exit signs. No items, including pictures, may be removed from walls or shelves in any area of the University. If directional signs are posted outdoors, they must be placed by the Event Services office. Use of confetti, straw, bird seed, rice, silly string, powder, sparklers, glitter, or smoke machine is strictly prohibited.

No open flames of any kind may be used at outdoor events. Only votive candles and hurricane lamps are allowed in indoor venues. Users must place protective drip plates under candles.

Any decorations, flower arrangements, or additional items brought in by the User must be removed at the conclusion of the event. Failure of the User, their guests, or service providers to abide by the building and/or decorating policies may result in additional fees for damage or excessive cleaning.

E. Drugs

User and User's guests' involvement in the use, possession, distribution, or sale of illegal drugs or narcotics is strictly prohibited, including the use of medical marijuana whether a medical marijuana card is issued or not. Non-compliance by anyone associated with the User will result in immediate removal from the residence hall, and dismissal from participation in activities on University property. The University operates under a no tolerance policy and will also report any instances of substance abuse, possession, or sale to local law enforcement for possible prosecution.

F. Elevators

Elevators exist in some University venues for the convenience of guests. Elevators must be used properly. Misuse may result in temporary loss of service and/or a service charge for repairs resulting from that misuse. Notify the University immediately if an elevator failure occurs.

G. Equipment

Equipment needed for gaming tables (billiards, table tennis, etc.) and outdoor courts (volleyball, basketball, etc.) must be supplied by User, not the University. This may include the volleyball nets.

H. Fire Safety

All University venues are equipped with fire safety systems. All attendees must evacuate the building

immediately when the fire alarm sounds. Maps describing evacuation routes are posted within each venue. User should familiarize all attendees with these routes. Misuse or damage to fire safety equipment (sprinkler systems, smoke detectors, fire alarms, pull stations, fire extinguishers, and fire hoses) is strictly forbidden and will result in damage charges to the User and to prosecution.

I. Food Outside of the Irvine Commons

The University strongly discourages food and soft drinks in the dormitories, classrooms, and meeting venues that do not have kitchens. Food and sugar-filled sodas attract ants and cockroaches. The 100+ year old campus is located on the site of former citrus groves. There is a massive ant population which is immediately drawn to open food and soda containers. Crumbs also draw these insects from other areas. It is not unusual for ants to be found on the 3rd floor of dormitories and classrooms. The University sprays routinely for these pests. Your support and diligence in observing this regulation will help make your visit an enjoyable one.

J. Gambling

Gambling of any nature is strictly prohibited on University property.

K. Harassment

The University prohibits aggressive recruitment through proselytizing, selling, etc. to any persons on the University campus. External clients including conferences, meetings, or special events may not use aggressive tactics to engage students, staff, or faculty. Failure to abide by this policy will result in immediate removal from the campus. Additionally, illegal harassment based on protected characteristics also is, of course, prohibited and grounds for immediate removal.

L. Internet

Requests for internet access for User and User's attendees while on campus must be submitted, in writing, to the University. Typically, internet access can be arranged without additional cost; internet access is not guaranteed. If internet access is essential for the event, such access must be specifically requested and arranged in advance at an additional cost. Failure to submit a request in advance may, on occasion, result in inability to provide access to campus internet.

Internet access is also available on campus computers, including in Computer Labs and the Library during hours when available to the public. Children under the age of eighteen (18) may not be left in any computer lab without supervision.

The campus wireless network is a common means for people to access internet services. Due to its over-the-air nature, wireless communications are vulnerable to intrusive attacks. The University accepts no responsibility for the safety of information downloaded by the User or any individual associated with the User. All downloads are done at User's own risk. User accepts full responsibility for the legality of all content downloaded by the User or User's attendees.

M. Language

The use of foul language and profanities is discouraged at all times. The University hosts many groups with diverse backgrounds. Courtesy towards others, both within the User's group and between the User's group and others is expected at all times.

N. Medical Emergency / Injury

In the event of a medical emergency or injury, call Public Safety at 909-748-8888 or 911

O. Minors (under the age of eighteen (18))

For groups whose participants are under the age of eighteen (18)

User hereby agrees and acknowledges that it has complied and will comply with applicable provisions of section INSURANCE regarding insurance for events with minors present or as participants, and with all applicable laws and regulations for the User's operations pertaining to the protection of minors, including but not limited to training for adult advisors, background checks, and reporting obligations for sexual or physical child abuse. By way of clarity and not by way of limitation, User's indemnification of university

under section INDEMNIFICATION expressly applies to any breach of User's obligations under this provision.

P. Misconduct

The University reserves the right to evict any person or persons whose conduct is unacceptable by University standards.

Q. Packages

User will inform the University of Redlands of any materials being shipped to the campus in order to coordinate receipt of all packages. Fees may apply. Packages can be received Monday-Thursday 08:00 AM-04:30 PM and Friday 08:00 AM-11:00 AM. All shipping labels must have the following information, in addition to the designated mailing address for proper handling: User group and person's name, Attention: Event Services.

Please check with the university before shipping packages to confirm that the correct shipping address is being used.

Do not send materials more than seven (7) days prior to the arrival date, as the University has limited storage space. Charges will be assessed for storing or moving these materials. Items received more than seven (7) days in advance of your event may be returned at the User's expense. Also, at the User's own expense, arrangements must be made for the return shipping of any surplus materials. The University reserves the right to discard any materials not removed within seven (7) days after your scheduled departure date. The University is not responsible for mislabeled packages, lost packages, or damages to items shipped, or left for pick-up to/at the University.

R. Personal Property

The University assumes no responsibility for loss, theft, or damage to personal property belonging to the User or to any of the User's guests. Guests who believe they have left personal effects behind may contact Public Safety or Event Services

While the University attempts to return personal effects to their proper owners, it cannot assume responsibility for any item found at a venue. To prevent loss, participants should reclaim their personal effects from the University as soon as possible. The University cannot hold items longer than fourteen (14) days after the last day of conference residency.

All shipping charges associated with the return of property to the User or a User attendee will be the responsibility of the individual. The University will not assume the cost of shipping any item back to its original owner/location.

S. Pool Etiquette/Safety Rules

The University pool is used by all faculty, staff, students and guests of the University. It is expected that all users are respectful and courteous at all times. Safety rules are clearly posted at the entrance. All rules must be followed at all times. Failure to follow established safety procedures will result in a cancellation of pool privileges with no refund of the pool pass fees.

T. Public Safety

For emergency situations, Public Safety is available 24 hours a day, 7 days a week, 365 days a year, and can be reached at 909-748-8888.

U. Publications and Sales

Before the User prints or distributes any publication or other material in which the University venues and/or services are mentioned, or in which any University venues are pictured, User must send a draft of such proposed publication to the University for written approval in order to ensure that University services and venues are properly represented.

The name "University of Redlands" as well as all University logos and trademarks are the sole property of the University. These may not be used without prior consent from the University.

Before the User or User's service providers attempt to sell any merchandise on University property, the

User must first obtain written approval from the University.

V. Quiet Hours

Quiet hours in all shared-use venues are 09:00 PM-09:00 AM daily. Quiet hours in housing are 11:00 PM-07:00 AM. Radios, televisions, stereos, and other such equipment must be operated so as not to disturb other guests. This is to be observed by all guests to ensure a peaceful and comfortable living and learning environment.

W. Smoking

The University is entirely non-smoking. User is responsible for making guests and service providers aware of and in compliance with the no smoking policy. Cleaning charges will be assessed if there is evidence of smoking in any venue.

X. University Rules and Policies

Any individual or organization renting venues at the University must abide by and conform with all applicable University rules, policies, and regulations. The User shall be responsible to make guests, their service providers (event planners, wedding coordinators, musicians, photographers, DJs, rental deliveries, etc.), and other concerned parties aware of and abide by University policies and regulations.

Y. Vehicles and Parking

Vehicles on University property are governed by the University's Department of Public Safety. User and User's attendees assume all responsibility for vehicles on University property. Under no circumstances is the University responsible for damage to any vehicle while located on University property. All parking is subject to guidelines established by the Department of Public Safety. Parking permits are not required, but all state, local, and campus parking laws/policies must be followed.

Z. Visitation

All non-resident visitors within a residence hall are required to be escorted at ALL times by a resident of that residence hall. University staff may require the User to request any participants or group of participants to leave the residence hall(s) and/or University property if regulations/procedures specified in this Agreement are violated.

AA. Weapons

The University and California Penal Code prohibit carrying or possession of weapons on University property. "Weapon" means any object designed to inflict a wound, cause injury, or incapacitate, including, but not limited to firearms, BB/pellet/air soft guns, paint guns, knives with blades 2.5 or more inches in length, dangerous chemicals such as mace, pepper spray, or tear gas, or any object prohibited by law.

BB. Windows

Window screens, where provided, are not to be removed for any reason. User will be charged for each window screen removed or damaged.

XI. EXTERNAL SERVICE PROVIDERS

User, or a representative of User, must be on the premises when external service providers are on campus and must be available to accept deliveries. All external service providers (rental companies, florists, musicians, etc.) that are contracted directly with User are the sole responsibility of the User. Service providers arranged by the University will be managed by the University. All service providers, regardless of how they are engaged, must provide a certificate of liability insurance as outlined in INSURANCE.

XII. INDEMNIFICATIONS

User hereby assumes all responsibility for the safety and welfare of guests during the event. No illegal activities of any kind are permitted on the University of Redlands campus.

User shall defend, indemnify and hold harmless the University, its trustees, officers, agents, and employees from and against any and all liability, loss, expense (including reasonable attorneys' fees), or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such

liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of User, User's guests, or User's service providers, or Users breach of any provision of this Agreement.

User, if a charitable organization, association, corporation, entity or individual, having or claiming immunity or exemption (statutory or otherwise) from liability for damage or injury to property or person, hereby waives its right to plead defensively such immunity or exemption against the University.

XIII. COMPLIANCE WITH STATE AND LOCAL LAWS AND REGULATIONS

Individuals and/or organizations renting venues at the University shall comply with all laws – federal, state and local – including all ordinances of the City of Redlands. All rules, regulations, and requirements of the police and fire departments shall be observed.

If requested by the University, any permit, license or tax required for any activity shall be purchased/paid by the User and made available to the University. It is also the responsibility of the User to determine which laws and ordinances apply to the activity of the User and to ensure compliance with same. Should any violation be found to exist, User hereby assumes all responsibility for correcting or removing such violation.

XIV. DISPUTE RESOLUTION

In the event that a dispute arises under this Agreement, the University and User agree first to attempt to work out their differences with each other in good faith. If the matter cannot be resolved through good faith efforts, the parties agree to submit the matter to binding arbitration as follows below. This Agreement is governed by the laws of the State of California, as applied to contracts made and to be performed in California.

Arbitration

All controversies, disputes or claims (including those based upon statute, tort or public policy and those brought against individuals or other entities) arising out of or relating to this Agreement, the services to be performed under it, or the breach thereof, shall be determined by arbitration in accordance with the procedures established below.

Arbitration must be initiated by a party providing the other party with a written demand to arbitrate and notice of selection of one arbitrator.

Within five (5) calendar days of receipt of the written demand to arbitrate, the second party shall select one arbitrator and give notice of its choice to the first party. The two arbitrators so selected shall be unrelated to and unaffiliated in any way with either of the parties. The two arbitrators so selected will together choose a third arbitrator within five (5) calendar days after the selection of the second. In the event that the two are unable to agree upon a third arbitrator, either party may petition the presiding judge of the San Bernardino County Superior Court, for the appointment of a third arbitrator.

Within five (5) calendar days after the selection or appointment of the third arbitrator, each party shall submit a proposed decision to the arbitrators with appropriate findings of fact and conclusions of law to support the proposed decision. A copy of the proposed decision shall be given to the other party and to all arbitrators.

Within seven (7) calendar days after the submission of the two proposed decisions, the arbitrators will hold a hearing at which the parties to the dispute may submit evidence and examine witnesses. The arbitrators, if necessary, may issue subpoenas upon the request of the parties to compel the testimony of third parties and the production of documents as provided in Section 1282.6 of the California Code of Civil Procedure. There shall be no pre-hearing discovery, except for the foregoing. Testimony shall be taken under oath and the parties may be represented by legal counsel.

The arbitrators, by majority decision, shall issue a written decision within five (5) calendar days after the conclusion of the hearing. The decision of the arbitrators shall be final and binding upon the parties and may be entered as a judgment in a court of competent jurisdiction. The arbitrators shall not have the authority to amend, modify or delete any provision of this Agreement.

The costs of the arbitrators shall be split equally between the parties. Each party shall bear its own cost of arbitration, including fees of its counsel.

XV. NON-DISCRIMINATION

The parties agree to be bound by applicable state and federal rules governing Equal Employment Opportunity and Non-Discrimination.

XVI. ENFORCEMENT

The University's failure to insist upon or enforce strict performance of any provision of this Agreement shall not be construed as a waiver of any provision or right. Neither the course of conduct between the parties nor trade practice shall act to modify any provision of this Agreement.

XVII. PREVAILING LANGUAGE

In the event that the language in this Agreement conflicts with any language in any other documents related to this Agreement, the language in this Agreement shall prevail.

XVIII. ENTIRE AGREEMENT

This Agreement, and its accompanying Addendums, constitute the entire agreement between the University and User with respect to its subject matter and may be amended only by written notification between both parties. Any and all other proposals, negotiations, promises, arrangements, or understandings, whether oral or written, made prior to this Agreement are hereby extinguished and considered null and void by both parties. University and User guarantee that, except as set forth in this Agreement, no representatives, warranties, or promises have been made to each other by their respective agents, representatives, or employees with respect to this Agreement. Neither User nor the University may assign their rights or obligations under this Agreement without the express written consent of the other party

XIX. FILM SHOOT

If the User videotapes, films, take digital images, still photography, or anything intended for motion pictures or other published media, the FILMING GUIDELINES, ADDENDUM TO AGREEMENT must be completed by the User, and its terms are incorporated by reference into this Agreement contract and binding on the User.

This space intentionally left blank.

XX. Mutual and Binding Agreement

This Agreement, when signed and dated below by the respective authorized representatives of University and User will be considered in force and legally binding on both parties. The User acknowledges reviewing and accepting the cancellation provisions. The person(s) signing this Agreement shall have the authority to bind their respective organizations and agree to the terms and conditions herein. The parties agree that the electronic signature, whether digital or encrypted, of a party to this Agreement shall be as valid as an original signature of such party and shall be effective to bind such parties to this Agreement.

City of Redlands

Signature

Mario Saucedo, Mayor

Date

Attest:

Signature

Jeanne Donaldson, City Clerk

Date

University of Redlands

Signature

Terri Fusco, Senior Director

Date

University of Redlands Event Services
1200 E. Colton Ave
PO Box 3080
Redlands, CA 92373

www.redlands.edu/event-services
events@redlands.edu
(909) 748-8116

Revised January 2023

City Council/Financing Authority Meeting **H. 8.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Approve an Intergovernmental Purchase of Getac Mobile Data Computers from Code 3 Technologies in the amount of $53,648.25 (Police Chief Tolber)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

I move to approve an Intergovernmental Purchase of Getac Mobile Data Computers from Code 3 Technologies in the amount of $53,648.25.

RECOMMENDATION:

Staff recommends that City Council approve an Intergovernmental Purchase of Getac Mobile Data Computers for the Police Department from Code 3 Technologies in the amount of $53,648.25.

DISCUSSION:

The Redlands Police Department (RPD) relies on mobile data computers (MDCs) installed in patrol vehicles to access critical dispatch system resources while responding to active calls for service. MDCs are an essential component of daily operations, enabling efficient communication and access to real-time information in the field.

The selected MDC units are equipped with high-visibility displays suitable for both indoor and outdoor use and are fully ruggedized to provide protection against impact and liquid exposure. Upon approval of this procurement, the MDCs will be installed in RPD's newly acquired fleet of 12 Chevrolet Tahoe vehicles, enhancing the department's operational capabilities.

Staff followed the procurement guidelines by identifying and selecting an existing competitively bid cooperative contract through Sourcewell. Sourcewell employs advanced procurement practices to develop cooperative purchasing agreements that provide public agencies with access to high-quality products and services at competitive prices. Based on staff's evaluation, the proposed hardware is recommended to be procured through this cooperative purchasing agreement to ensure cost-effectiveness and compliance with City procurement standards.

ALTERNATIVES:

City Council may choose to reject, modify or table the proposed purchase. However, the purchase is recommended in order to ensure the continued functionality of the Police Department's mobile data computing operations.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
Rachel Tolber, Police Chief

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Janice McConnell, Assistant City Manager
Dana Abramovitz-Daniel, Procurement Manager

PREPARED BY:
Jimmy Nguyen, Management Analyst

Fiscal Impact

Fiscal Year:	2024-25
Revenue Generating:	N
Appropriation Required Y/N:	N
Amount:	53,648.25
Budgeted Y/N:	Y
Account No.:	101202

Discussion:

Funding will be provided through existing budget savings.

Attachments

Getac Quote
Getac & Sourcewell Contract
Getac Sourcewell Authorized Reseller List
Getac Sourcewell Product List

PROPOSAL

Date: 4/13/2025
QUOTE: 25-231

Gabriela Gonzalez
Redlands Police Department
35 Cajon St. Ste. 222
Redlands, CA 92373
909-335-4775

Customer ID: RPDCA001

Thanks for your business!
Quote expires **4/30/2025***

Salesperson	Project	Payment Terms	Contract#
Michelle Best	MDC – Getac K120G3	Net 30	Sourcewell 090122-GET

Part#	Description	Qty	Unit Price	Ext Price
KTA764V1AQXX	Getac Fully Rugged K120G3 with Keyboard Dock - Intel i5-1335U Processor, Windows Hello Webcam, Standard Batteries (2-pack), Win11 Pro x64, 16GB RAM, 256GB PCIe SSD, Sunlight Readable Full HD LCD, Touchscreen, Screen Protector, Rear Camera, Hard Tip stylus, USB-C AC Adapter, Power Cord, Keyboard Dock (w/ RF Passthrough), WIFI, Bluetooth, **5G Sub-6 (EM9190),** Integrated GPS/Glonass, Passthrough, Thunderbolt 4 USB, 3 Year Bumper 2 Bumper Warranty	12	$3665	$43,980
GE-SVTBNFX5Y	Bumper-to-Bumper Extended Warranty – Tablet (Years 4 & 5)	12	$481	$5772
			Subtotal	$49,752.00
			Sales Tax	$3848.25
			Recycle	$48.00
			Shipping	$0.00
			Total	**$53,648.25**



**We offer financing & Leasing, device buyback, and rugged device insurance coverage, just ask!*
**CCs add 2.89%. Purchasing contracts add 1-2% (GSA, OMNIA, Sourcewell, PEPPM, SLP, DIR)*

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Solicitation Number: 090122

CONTRACT

This Contract is between Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 (Sourcewell) and Getac, Inc., 15495 Sand Canyon Ave., Suite 350, Irvine, CA 92618 (Supplier).

Sourcewell is a State of Minnesota local government unit and service cooperative created under the laws of the State of Minnesota (Minnesota Statutes Section 123A.21) that offers cooperative procurement solutions to government entities. Participation is open to eligible federal, state/province, and municipal governmental entities, higher education, K-12 education, nonprofit, tribal government, and other public entities located in the United States and Canada. Sourcewell issued a public solicitation for Law Enforcement Equipment from which Supplier was awarded a contract.

Supplier desires to contract with Sourcewell to provide equipment, products, or services to Sourcewell and the entities that access Sourcewell's cooperative purchasing contracts (Participating Entities).

1. TERM OF CONTRACT

A. EFFECTIVE DATE. This Contract is effective upon the date of the final signature below.

B. EXPIRATION DATE AND EXTENSION. This Contract expires November 7, 2026, unless it is cancelled sooner pursuant to Article 22. This Contract may be extended one additional year upon the request of Sourcewell and written agreement by Supplier.

C. SURVIVAL OF TERMS. Notwithstanding any expiration or termination of this Contract, all payment obligations incurred prior to expiration or termination will survive, as will the following: Articles 11 through 14 survive the expiration or cancellation of this Contract. All other rights will cease upon expiration or termination of this Contract.

2. EQUIPMENT, PRODUCTS, OR SERVICES

A. EQUIPMENT, PRODUCTS, OR SERVICES. Supplier will provide the Equipment, Products, or Services as stated in its Proposal submitted under the Solicitation Number listed above.

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Supplier's Equipment, Products, or Services Proposal (Proposal) is attached and incorporated into this Contract.

All Equipment and Products provided under this Contract must be new and the current model. Supplier may offer close-out or refurbished Equipment or Products if they are clearly indicated in Supplier's product and pricing list. Unless agreed to by the Participating Entities in advance, Equipment or Products must be delivered as operational to the Participating Entity's site.

This Contract offers an indefinite quantity of sales, and while substantial volume is anticipated, sales and sales volume are not guaranteed.

B. WARRANTY. Supplier warrants that all Equipment, Products, and Services furnished are free from liens and encumbrances, and are free from defects in materials and workmanship. In addition, Supplier warrants the Equipment, Products, and Services are suitable for and will perform in accordance with the ordinary use for which they are intended. Supplier's dealers and distributors must agree to assist the Participating Entity in reaching a resolution in any dispute over warranty terms with the manufacturer. Any manufacturer's warranty that extends beyond the expiration of the Supplier's warranty will be passed on to the Participating Entity.

C. DEALERS, DISTRIBUTORS, AND/OR RESELLERS. Upon Contract execution and throughout the Contract term, Supplier must provide to Sourcewell a current means to validate or authenticate Supplier's authorized dealers, distributors, or resellers relative to the Equipment, Products, and Services offered under this Contract, which will be incorporated into this Contract by reference. It is the Supplier's responsibility to ensure Sourcewell receives the most current information.

3. PRICING

All Equipment, Products, or Services under this Contract will be priced at or below the price stated in Supplier's Proposal.

When providing pricing quotes to Participating Entities, all pricing quoted must reflect a Participating Entity's total cost of acquisition. This means that the quoted cost is for delivered Equipment, Products, and Services that are operational for their intended purpose, and includes all costs to the Participating Entity's requested delivery location.

Regardless of the payment method chosen by the Participating Entity, the total cost associated with any purchase option of the Equipment, Products, or Services must always be disclosed in the pricing quote to the applicable Participating Entity at the time of purchase.

A. SHIPPING AND SHIPPING COSTS. All delivered Equipment and Products must be properly packaged. Damaged Equipment and Products may be rejected. If the damage is not readily apparent at the time of delivery, Supplier must permit the Equipment and Products to be

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returned within a reasonable time at no cost to Sourcewell or its Participating Entities. Participating Entities reserve the right to inspect the Equipment and Products at a reasonable time after delivery where circumstances or conditions prevent effective inspection of the Equipment and Products at the time of delivery. In the event of the delivery of nonconforming Equipment and Products, the Participating Entity will notify the Supplier as soon as possible and the Supplier will replace nonconforming Equipment and Products with conforming Equipment and Products that are acceptable to the Participating Entity.

Supplier must arrange for and pay for the return shipment on Equipment and Products that arrive in a defective or inoperable condition.

Sourcewell may declare the Supplier in breach of this Contract if the Supplier intentionally delivers substandard or inferior Equipment or Products.

B. SALES TAX. Each Participating Entity is responsible for supplying the Supplier with valid tax-exemption certification(s). When ordering, a Participating Entity must indicate if it is a tax-exempt entity.

C. HOT LIST PRICING. At any time during this Contract, Supplier may offer a specific selection of Equipment, Products, or Services at discounts greater than those listed in the Contract. When Supplier determines it will offer Hot List Pricing, it must be submitted electronically to Sourcewell in a line-item format. Equipment, Products, or Services may be added or removed from the Hot List at any time through a Sourcewell Price and Product Change Form as defined in Article 4 below.

Hot List program and pricing may also be used to discount and liquidate close-out and discontinued Equipment and Products as long as those close-out and discontinued items are clearly identified as such. Current ordering process and administrative fees apply. Hot List Pricing must be published and made available to all Participating Entities.

4. PRODUCT AND PRICING CHANGE REQUESTS

Supplier may request Equipment, Product, or Service changes, additions, or deletions at any time. All requests must be made in writing by submitting a signed Sourcewell Price and Product Change Request Form to the assigned Sourcewell Supplier Development Administrator. This approved form is available from the assigned Sourcewell Supplier Development Administrator. At a minimum, the request must:

- Identify the applicable Sourcewell contract number;
- Clearly specify the requested change;
- Provide sufficient detail to justify the requested change;

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- Individually list all Equipment, Products, or Services affected by the requested change, along with the requested change (e.g., addition, deletion, price change); and
- Include a complete restatement of pricing documentation in Microsoft Excel with the effective date of the modified pricing, or product addition or deletion. The new pricing restatement must include all Equipment, Products, and Services offered, even for those items where pricing remains unchanged.

A fully executed Sourcewell Price and Product Request Form will become an amendment to this Contract and will be incorporated by reference.

5. PARTICIPATION, CONTRACT ACCESS, AND PARTICIPATING ENTITY REQUIREMENTS

A. PARTICIPATION. Sourcewell's cooperative contracts are available and open to public and nonprofit entities across the United States and Canada; such as federal, state/province, municipal, K-12 and higher education, tribal government, and other public entities.

The benefits of this Contract should be available to all Participating Entities that can legally access the Equipment, Products, or Services under this Contract. A Participating Entity's authority to access this Contract is determined through its cooperative purchasing, interlocal, or joint powers laws. Any entity accessing benefits of this Contract will be considered a Service Member of Sourcewell during such time of access. Supplier understands that a Participating Entity's use of this Contract is at the Participating Entity's sole convenience and Participating Entities reserve the right to obtain like Equipment, Products, or Services from any other source.

Supplier is responsible for familiarizing its sales and service forces with Sourcewell contract use eligibility requirements and documentation and will encourage potential participating entities to join Sourcewell. Sourcewell reserves the right to add and remove Participating Entities to its roster during the term of this Contract.

B. PUBLIC FACILITIES. Supplier's employees may be required to perform work at government-owned facilities, including schools. Supplier's employees and agents must conduct themselves in a professional manner while on the premises, and in accordance with Participating Entity policies and procedures, and all applicable laws.

6. PARTICIPATING ENTITY USE AND PURCHASING

A. ORDERS AND PAYMENT. To access the contracted Equipment, Products, or Services under this Contract, a Participating Entity must clearly indicate to Supplier that it intends to access this Contract; however, order flow and procedure will be developed jointly between Sourcewell and Supplier. Typically, a Participating Entity will issue an order directly to Supplier or its authorized subsidiary, distributor, dealer, or reseller. If a Participating Entity issues a purchase order, it may use its own forms, but the purchase order should clearly note the applicable Sourcewell

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contract number. All Participating Entity orders under this Contract must be issued prior to expiration or cancellation of this Contract; however, Supplier performance, Participating Entity payment obligations, and any applicable warranty periods or other Supplier or Participating Entity obligations may extend beyond the term of this Contract.

Supplier's acceptable forms of payment are included in its attached Proposal. Participating Entities will be solely responsible for payment and Sourcewell will have no liability for any unpaid invoice of any Participating Entity.

B. ADDITIONAL TERMS AND CONDITIONS/PARTICIPATING ADDENDUM. Additional terms and conditions to a purchase order, or other required transaction documentation, may be negotiated between a Participating Entity and Supplier, such as job or industry-specific requirements, legal requirements (e.g., affirmative action or immigration status requirements), or specific local policy requirements. Some Participating Entities may require the use of a Participating Addendum, the terms of which will be negotiated directly between the Participating Entity and the Supplier or its authorized dealers, distributors, or resellers, as applicable. Any negotiated additional terms and conditions must never be less favorable to the Participating Entity than what is contained in this Contract.

C. SPECIALIZED SERVICE REQUIREMENTS. In the event that the Participating Entity requires service or specialized performance requirements not addressed in this Contract (such as e-commerce specifications, specialized delivery requirements, or other specifications and requirements), the Participating Entity and the Supplier may enter into a separate, standalone agreement, apart from this Contract. Sourcewell, including its agents and employees, will not be made a party to a claim for breach of such agreement.

D. TERMINATION OF ORDERS. Participating Entities may terminate an order, in whole or in part, immediately upon notice to Supplier in the event of any of the following events:

1. The Participating Entity fails to receive funding or appropriation from its governing body at levels sufficient to pay for the equipment, products, or services to be purchased; or
2. Federal, state, or provincial laws or regulations prohibit the purchase or change the Participating Entity's requirements.

E. GOVERNING LAW AND VENUE. The governing law and venue for any action related to a Participating Entity's order will be determined by the Participating Entity making the purchase.

7. CUSTOMER SERVICE

A. PRIMARY ACCOUNT REPRESENTATIVE. Supplier will assign an Account Representative to Sourcewell for this Contract and must provide prompt notice to Sourcewell if that person is changed. The Account Representative will be responsible for:

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- Maintenance and management of this Contract;
- Timely response to all Sourcewell and Participating Entity inquiries; and
- Business reviews to Sourcewell and Participating Entities, if applicable.

B. BUSINESS REVIEWS. Supplier must perform a minimum of one business review with Sourcewell per contract year. The business review will cover sales to Participating Entities, pricing and contract terms, administrative fees, sales data reports, performance issues, supply issues, customer issues, and any other necessary information.

8. REPORT ON CONTRACT SALES ACTIVITY AND ADMINISTRATIVE FEE PAYMENT

A. CONTRACT SALES ACTIVITY REPORT. Each calendar quarter, Supplier must provide a contract sales activity report (Report) to the Sourcewell Supplier Development Administrator assigned to this Contract. Reports are due no later than 45 days after the end of each calendar quarter. A Report must be provided regardless of the number or amount of sales during that quarter (i.e., if there are no sales, Supplier must submit a report indicating no sales were made).

The Report must contain the following fields:

- Participating Entity Name (e.g., City of Staples Highway Department);
- Participating Entity Physical Street Address;
- Participating Entity City;
- Participating Entity State/Province;
- Participating Entity Zip/Postal Code;
- Participating Entity Contact Name;
- Participating Entity Contact Email Address;
- Participating Entity Contact Telephone Number;
- Sourcewell Assigned Entity/Participating Entity Number;
- Item Purchased Description;
- Item Purchased Price;
- Sourcewell Administrative Fee Applied; and
- Date Purchase was invoiced/sale was recognized as revenue by Supplier.

B. ADMINISTRATIVE FEE. In consideration for the support and services provided by Sourcewell, the Supplier will pay an administrative fee to Sourcewell on all Equipment, Products, and Services provided to Participating Entities. The Administrative Fee must be included in, and not added to, the pricing. Supplier may not charge Participating Entities more than the contracted price to offset the Administrative Fee.

The Supplier will submit payment to Sourcewell for the percentage of administrative fee stated in the Proposal multiplied by the total sales of all Equipment, Products, and Services purchased

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by Participating Entities under this Contract during each calendar quarter. Payments should note the Supplier's name and Sourcewell-assigned contract number in the memo; and must be mailed to the address above "Attn: Accounts Receivable" or remitted electronically to Sourcewell's banking institution per Sourcewell's Finance department instructions. Payments must be received no later than 45 calendar days after the end of each calendar quarter.

Supplier agrees to cooperate with Sourcewell in auditing transactions under this Contract to ensure that the administrative fee is paid on all items purchased under this Contract.

In the event the Supplier is delinquent in any undisputed administrative fees, Sourcewell reserves the right to cancel this Contract and reject any proposal submitted by the Supplier in any subsequent solicitation. In the event this Contract is cancelled by either party prior to the Contract's expiration date, the administrative fee payment will be due no more than 30 days from the cancellation date.

9. AUTHORIZED REPRESENTATIVE

Sourcewell's Authorized Representative is its Chief Procurement Officer.

Supplier's Authorized Representative is the person named in the Supplier's Proposal. If Supplier's Authorized Representative changes at any time during this Contract, Supplier must promptly notify Sourcewell in writing.

10. AUDIT, ASSIGNMENT, AMENDMENTS, WAIVER, AND CONTRACT COMPLETE

A. AUDIT. Pursuant to Minnesota Statutes Section 16C.05, subdivision 5, the books, records, documents, and accounting procedures and practices relevant to this Contract are subject to examination by Sourcewell or the Minnesota State Auditor for a minimum of six years from the end of this Contract. This clause extends to Participating Entities as it relates to business conducted by that Participating Entity under this Contract.

B. ASSIGNMENT. Neither party may assign or otherwise transfer its rights or obligations under this Contract without the prior written consent of the other party and a fully executed assignment agreement. Such consent will not be unreasonably withheld. Any prohibited assignment will be invalid.

C. AMENDMENTS. Any amendment to this Contract must be in writing and will not be effective until it has been duly executed by the parties.

D. WAIVER. Failure by either party to take action or assert any right under this Contract will not be deemed a waiver of such right in the event of the continuation or repetition of the circumstances giving rise to such right. Any such waiver must be in writing and signed by the parties.

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E. CONTRACT COMPLETE. This Contract represents the complete agreement between the parties. No other understanding regarding this Contract, whether written or oral, may be used to bind either party. For any conflict between the attached Proposal and the terms set out in Articles 1-22 of this Contract, the terms of Articles 1-22 will govern.

F. RELATIONSHIP OF THE PARTIES. The relationship of the parties is one of independent contractors, each free to exercise judgment and discretion with regard to the conduct of their respective businesses. This Contract does not create a partnership, joint venture, or any other relationship such as master-servant, or principal-agent.

11. INDEMNITY AND HOLD HARMLESS

Supplier must indemnify, defend, save, and hold Sourcewell and its Participating Entities, including their agents and employees, harmless from any claims or causes of action, including attorneys' fees incurred by Sourcewell or its Participating Entities, arising out of any act or omission in the performance of this Contract by the Supplier or its agents or employees; this indemnification includes injury or death to person(s) or property alleged to have been caused by some defect in the Equipment, Products, or Services under this Contract to the extent the Equipment, Product, or Service has been used according to its specifications. Supplier is not liable in any event for consequential damages. Sourcewell's responsibility will be governed by the State of Minnesota's Tort Liability Act (Minnesota Statutes Chapter 466) and other applicable law.

12. GOVERNMENT DATA PRACTICES

Supplier and Sourcewell must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to all data provided by or provided to Sourcewell under this Contract and as it applies to all data created, collected, received, maintained, or disseminated by the Supplier under this Contract.

13. INTELLECTUAL PROPERTY, PUBLICITY, MARKETING, AND ENDORSEMENT

A. INTELLECTUAL PROPERTY

1. *Grant of License.* During the term of this Contract:

   a. Sourcewell grants to Supplier a royalty-free, worldwide, non-exclusive right and license to use the trademark(s) provided to Supplier by Sourcewell in advertising and promotional materials for the purpose of marketing Sourcewell's relationship with Supplier.

   b. Supplier grants to Sourcewell a royalty-free, worldwide, non-exclusive right and license to use Supplier's trademarks in advertising and promotional materials for the purpose of marketing Supplier's relationship with Sourcewell.

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2. *Limited Right of Sublicense*. The right and license granted herein includes a limited right of each party to grant sublicenses to their respective subsidiaries, distributors, dealers, resellers, marketing representatives, and agents (collectively "Permitted Sublicensees") in advertising and promotional materials for the purpose of marketing the Parties' relationship to Participating Entities. Any sublicense granted will be subject to the terms and conditions of this Article. Each party will be responsible for any breach of this Article by any of their respective sublicensees.

3. *Use; Quality Control.*

a. Neither party may alter the other party's trademarks from the form provided and must comply with removal requests as to specific uses of its trademarks or logos.

b. Each party agrees to use, and to cause its Permitted Sublicensees to use, the other party's trademarks only in good faith and in a dignified manner consistent with such party's use of the trademarks. Upon written notice to the breaching party, the breaching party has 30 days of the date of the written notice to cure the breach or the license will be terminated.

4. *Termination*. Upon the termination of this Contract for any reason, each party, including Permitted Sublicensees, will have 30 days to remove all Trademarks from signage, websites, and the like bearing the other party's name or logo (excepting Sourcewell's pre-printed catalog of suppliers which may be used until the next printing). Supplier must return all marketing and promotional materials, including signage, provided by Sourcewell, or dispose of it according to Sourcewell's written directions.

B. PUBLICITY. Any publicity regarding the subject matter of this Contract must not be released without prior written approval from the Authorized Representatives. Publicity includes notices, informational pamphlets, press releases, research, reports, signs, and similar public notices prepared by or for the Supplier individually or jointly with others, or any subcontractors, with respect to the program, publications, or services provided resulting from this Contract.

C. MARKETING. Any direct advertising, marketing, or offers with Participating Entities must be approved by Sourcewell. Send all approval requests to the Sourcewell Supplier Development Administrator assigned to this Contract.

D. ENDORSEMENT. The Supplier must not claim that Sourcewell endorses its Equipment, Products, or Services.

14. GOVERNING LAW, JURISDICTION, AND VENUE

The substantive and procedural laws of the State of Minnesota will govern this Contract. Venue for all legal proceedings arising out of this Contract, or its breach, must be in the appropriate state court in Todd County, Minnesota or federal court in Fergus Falls, Minnesota.

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15. FORCE MAJEURE

Neither party to this Contract will be held responsible for delay or default caused by acts of God or other conditions that are beyond that party's reasonable control. A party defaulting under this provision must provide the other party prompt written notice of the default.

16. SEVERABILITY

If any provision of this Contract is found by a court of competent jurisdiction to be illegal, unenforceable, or void then both parties will be relieved from all obligations arising from that provision. If the remainder of this Contract is capable of being performed, it will not be affected by such determination or finding and must be fully performed.

17. PERFORMANCE, DEFAULT, AND REMEDIES

A. PERFORMANCE. During the term of this Contract, the parties will monitor performance and address unresolved contract issues as follows:

1. *Notification.* The parties must promptly notify each other of any known dispute and work in good faith to resolve such dispute within a reasonable period of time. If necessary, Sourcewell and the Supplier will jointly develop a short briefing document that describes the issue(s), relevant impact, and positions of both parties.
2. *Escalation.* If parties are unable to resolve the issue in a timely manner, as specified above, either Sourcewell or Supplier may escalate the resolution of the issue to a higher level of management. The Supplier will have 30 calendar days to cure an outstanding issue.
3. *Performance while Dispute is Pending*. Notwithstanding the existence of a dispute, the Supplier must continue without delay to carry out all of its responsibilities under the Contract that are not affected by the dispute. If the Supplier fails to continue without delay to perform its responsibilities under the Contract, in the accomplishment of all undisputed work, the Supplier will bear any additional costs, with the exception of consequential damages, incurred by Sourcewell and/or its Participating Entities as a result of such failure to proceed.

B. DEFAULT AND REMEDIES. Either of the following constitutes cause to declare this Contract, or any Participating Entity order under this Contract, in default:

1. Nonperformance of contractual requirements, or
2. A material breach of any term or condition of this Contract.

The party claiming default must provide written notice of the default, with 30 calendar days to cure the default. Time allowed for cure will not diminish or eliminate any liability for liquidated or other damages. If the default remains after the opportunity for cure, the non-defaulting party may:

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- Exercise any remedy provided by law or equity, or
- Terminate the Contract or any portion thereof, including any orders issued against the Contract.

18. INSURANCE

A. REQUIREMENTS. At its own expense, Supplier must maintain insurance policy(ies) in effect at all times during the performance of this Contract with insurance company(ies) licensed or authorized to do business in the State of Minnesota having an "AM BEST" rating of A- or better, with coverage and limits of insurance not less than the following:

1. *Workers' Compensation and Employer's Liability.*
Workers' Compensation: As required by any applicable law or regulation.
Employer's Liability Insurance: must be provided in amounts not less than listed below:
Minimum limits:
$500,000 each accident for bodily injury by accident
$500,000 policy limit for bodily injury by disease
$500,000 each employee for bodily injury by disease

2. *Commercial General Liability Insurance.* Supplier will maintain insurance covering its operations, with coverage on an occurrence basis, and must be subject to terms no less broad than the Insurance Services Office ("ISO") Commercial General Liability Form CG0001 (2001 or newer edition), or equivalent. At a minimum, coverage must include liability arising from premises, operations, bodily injury and property damage, independent contractors, products-completed operations including construction defect, contractual liability, blanket contractual liability, and personal injury and advertising injury. All required limits, terms and conditions of coverage must be maintained during the term of this Contract.
Minimum Limits:
$1,000,000 each occurrence Bodily Injury and Property Damage
$1,000,000 Personal and Advertising Injury
$2,000,000 aggregate for products liability-completed operations
$2,000,000 general aggregate

3. *Commercial Automobile Liability Insurance.* During the term of this Contract, Supplier will maintain insurance covering all owned, hired, and non-owned automobiles in limits of liability not less than indicated below. The coverage must be subject to terms no less broad than ISO Business Auto Coverage Form CA 0001 (2010 edition or newer), or equivalent.
Minimum Limits:
$1,000,000 each accident, combined single limit

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4. *Umbrella Insurance*. During the term of this Contract, Supplier will maintain umbrella coverage over Employer's Liability, Commercial General Liability, and Commercial Automobile.

Minimum Limits:
$2,000,000

5. *Network Security and Privacy Liability Insurance*. During the term of this Contract, Supplier will maintain coverage for network security and privacy liability. The coverage may be endorsed on another form of liability coverage or written on a standalone policy. The insurance must cover claims which may arise from failure of Supplier's security resulting in, but not limited to, computer attacks, unauthorized access, disclosure of not public data – including but not limited to, confidential or private information, transmission of a computer virus, or denial of service.

Minimum limits:
$2,000,000 per occurrence
$2,000,000 annual aggregate

Failure of Supplier to maintain the required insurance will constitute a material breach entitling Sourcewell to immediately terminate this Contract for default.

B. CERTIFICATES OF INSURANCE. Prior to commencing under this Contract, Supplier must furnish to Sourcewell a certificate of insurance, as evidence of the insurance required under this Contract. Prior to expiration of the policy(ies), renewal certificates must be mailed to Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 or sent to the Sourcewell Supplier Development Administrator assigned to this Contract. The certificates must be signed by a person authorized by the insurer(s) to bind coverage on their behalf.

Failure to request certificates of insurance by Sourcewell, or failure of Supplier to provide certificates of insurance, in no way limits or relieves Supplier of its duties and responsibilities in this Contract.

C. ADDITIONAL INSURED ENDORSEMENT AND PRIMARY AND NON-CONTRIBUTORY INSURANCE CLAUSE. Supplier agrees to list Sourcewell and its Participating Entities, including their officers, agents, and employees, as an additional insured under the Supplier's commercial general liability insurance policy with respect to liability arising out of activities, "operations," or "work" performed by or on behalf of Supplier, and products and completed operations of Supplier. The policy provision(s) or endorsement(s) must further provide that coverage is primary and not excess over or contributory with any other valid, applicable, and collectible insurance or self-insurance in force for the additional insureds.

D. WAIVER OF SUBROGATION. Supplier waives and must require (by endorsement or otherwise) all its insurers to waive subrogation rights against Sourcewell and other additional insureds for losses paid under the insurance policies required by this Contract or other

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insurance applicable to the Supplier or its subcontractors. The waiver must apply to all deductibles and/or self-insured retentions applicable to the required or any other insurance maintained by the Supplier or its subcontractors. Where permitted by law, Supplier must require similar written express waivers of subrogation and insurance clauses from each of its subcontractors.

E. UMBRELLA/EXCESS LIABILITY/SELF-INSURED RETENTION. The limits required by this Contract can be met by either providing a primary policy or in combination with umbrella/excess liability policy(ies), or self-insured retention.

19. COMPLIANCE

A. LAWS AND REGULATIONS. All Equipment, Products, or Services provided under this Contract must comply fully with applicable federal laws and regulations, and with the laws in the states and provinces in which the Equipment, Products, or Services are sold.

B. LICENSES. Supplier must maintain a valid and current status on all required federal, state/provincial, and local licenses, bonds, and permits required for the operation of the business that the Supplier conducts with Sourcewell and Participating Entities.

20. BANKRUPTCY, DEBARMENT, OR SUSPENSION CERTIFICATION

Supplier certifies and warrants that it is not in bankruptcy or that it has previously disclosed in writing certain information to Sourcewell related to bankruptcy actions. If at any time during this Contract Supplier declares bankruptcy, Supplier must immediately notify Sourcewell in writing.

Supplier certifies and warrants that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Supplier certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this Contract. Supplier further warrants that it will provide immediate written notice to Sourcewell if this certification changes at any time.

21. PROVISIONS FOR NON-UNITED STATES FEDERAL ENTITY PROCUREMENTS UNDER UNITED STATES FEDERAL AWARDS OR OTHER AWARDS

Participating Entities that use United States federal grant or FEMA funds to purchase goods or services from this Contract may be subject to additional requirements including the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 C.F.R. § 200. Participating Entities may have additional requirements based on specific funding source terms or conditions. Within this Article, all

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references to “federal” should be interpreted to mean the United States federal government. The following list only applies when a Participating Entity accesses Supplier’s Equipment, Products, or Services with United States federal funds.

A. EQUAL EMPLOYMENT OPPORTUNITY. Except as otherwise provided under 41 C.F.R. § 60, all contracts that meet the definition of “federally assisted construction contract” in 41 C.F.R. § 60-1.3 must include the equal opportunity clause provided under 41 C.F.R. §60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 C.F.R. §, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 C.F.R. § 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.” The equal opportunity clause is incorporated herein by reference.

B. DAVIS-BACON ACT, AS AMENDED (40 U.S.C. § 3141-3148). When required by federal program legislation, all prime construction contracts in excess of $2,000 awarded by non-federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. § 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 C.F.R. § 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-federal entity must report all suspected or reported violations to the federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. § 3145), as supplemented by Department of Labor regulations (29 C.F.R. § 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-federal entity must report all suspected or reported violations to the federal awarding agency. Supplier must be in compliance with all applicable Davis-Bacon Act provisions.

C. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (40 U.S.C. § 3701-3708). Where applicable, all contracts awarded by the non-federal entity in excess of $100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §§ 3702 and 3704, as supplemented by Department of Labor regulations (29 C.F.R. § 5). Under 40 U.S.C. § 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of

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not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. § 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence. This provision is hereby incorporated by reference into this Contract. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

D. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT. If the federal award meets the definition of "funding agreement" under 37 C.F.R. § 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 C.F.R. § 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

E. CLEAN AIR ACT (42 U.S.C. § 7401-7671Q.) AND THE FEDERAL WATER POLLUTION CONTROL ACT (33 U.S.C. § 1251-1387). Contracts and subgrants of amounts in excess of $150,000 require the non-federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. § 7401- 7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251- 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA). Supplier certifies that during the term of this Contract will comply with applicable requirements as referenced above.

F. DEBARMENT AND SUSPENSION (EXECUTIVE ORDERS 12549 AND 12689). A contract award (see 2 C.F.R. § 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 C.F.R. §180 that implement Executive Orders 12549 (3 C.F.R. § 1986 Comp., p. 189) and 12689 (3 C.F.R. § 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549. Supplier certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency.

G. BYRD ANTI-LOBBYING AMENDMENT, AS AMENDED (31 U.S.C. § 1352). Suppliers must file any required certifications. Suppliers must not have used federal appropriated funds to pay any

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person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Suppliers must disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier up to the non-federal award. Suppliers must file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352).

H. RECORD RETENTION REQUIREMENTS. To the extent applicable, Supplier must comply with the record retention requirements detailed in 2 C.F.R. § 200.333. The Supplier further certifies that it will retain all records as required by 2 C.F.R. § 200.333 for a period of 3 years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

I. ENERGY POLICY AND CONSERVATION ACT COMPLIANCE. To the extent applicable, Supplier must comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

J. BUY AMERICAN PROVISIONS COMPLIANCE. To the extent applicable, Supplier must comply with all applicable provisions of the Buy American Act. Purchases made in accordance with the Buy American Act must follow the applicable procurement rules calling for free and open competition.

K. ACCESS TO RECORDS (2 C.F.R. § 200.336). Supplier agrees that duly authorized representatives of a federal agency must have access to any books, documents, papers and records of Supplier that are directly pertinent to Supplier's discharge of its obligations under this Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Supplier's personnel for the purpose of interview and discussion relating to such documents.

L. PROCUREMENT OF RECOVERED MATERIALS (2 C.F.R. § 200.322). A non-federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 C.F.R. § 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired during the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

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M. FEDERAL SEAL(S), LOGOS, AND FLAGS. The Supplier cannot use the seal(s), logos, crests, or reproductions of flags or likenesses of Federal agency officials without specific pre-approval.

N. NO OBLIGATION BY FEDERAL GOVERNMENT. The U.S. federal government is not a party to this Contract or any purchase by a Participating Entity and is not subject to any obligations or liabilities to the Participating Entity, Supplier, or any other party pertaining to any matter resulting from the Contract or any purchase by an authorized user.

O. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS. The Contractor acknowledges that 31 U.S.C. 38 (Administrative Remedies for False Claims and Statements) applies to the Supplier's actions pertaining to this Contract or any purchase by a Participating Entity.

P. FEDERAL DEBT. The Supplier certifies that it is non-delinquent in its repayment of any federal debt. Examples of relevant debt include delinquent payroll and other taxes, audit disallowance, and benefit overpayments.

Q. CONFLICTS OF INTEREST. The Supplier must notify the U.S. Office of General Services, Sourcewell, and Participating Entity as soon as possible if this Contract or any aspect related to the anticipated work under this Contract raises an actual or potential conflict of interest (as described in 2 C.F.R. Part 200). The Supplier must explain the actual or potential conflict in writing in sufficient detail so that the U.S. Office of General Services, Sourcewell, and Participating Entity are able to assess the actual or potential conflict; and provide any additional information as necessary or requested.

R. U.S. EXECUTIVE ORDER 13224. The Supplier, and its subcontractors, must comply with U.S. Executive Order 13224 and U.S. Laws that prohibit transactions with and provision of resources and support to individuals and organizations associated with terrorism.

S. PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT. To the extent applicable, Supplier certifies that during the term of this Contract it will comply with applicable requirements of 2 C.F.R. § 200.216.

T. DOMESTIC PREFERENCES FOR PROCUREMENTS. To the extent applicable, Supplier certifies that during the term of this Contract will comply with applicable requirements of 2 C.F.R. § 200.322.

22. CANCELLATION

Sourcewell or Supplier may cancel this Contract at any time, with or without cause, upon 60 days' written notice to the other party. However, Sourcewell may cancel this Contract immediately upon discovery of a material defect in any certification made in Supplier's

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Proposal. Cancellation of this Contract does not relieve either party of financial, product, or service obligations incurred or accrued prior to cancellation.

Sourcewell	Getac, Inc.
DocuSigned by: Jeremy Schwartz C0FD2A139D06489...	DocuSigned by: Hsin Jung-Lu 4E90B6ECEFC0448...
By: _____	By: _____
Jeremy Schwartz	Hsin Jung-Lu
Title: Chief Procurement Officer	Title: VP Finance & Business Services
Date: 11/2/2022 | 9:06 PM CDT	Date: 11/9/2022 | 6:52 PM PST

Approved:

DocuSigned by: Chad Coauette 7E42B8F817A64CC...

By: _____

Chad Coauette

Title: Executive Director/CEO

Date: 11/9/2022 | 9:00 PM CST

RFP 090122 - Law Enforcement Equipment

Vendor Details

Company Name:	Getac, Inc.
Does your company conduct business under any other name? If yes, please state:	Getac Video Solutions
Address:	15495 Sand Canyon Drive Suite 350 Irvine, CA 92618
Contact:	Tammy Tubbs
Email:	contract.administrator_us@getac.com
Phone:	949-217-8939
Fax:	949-217-8939
HST#:	954547422

Submission Details

Created On:	Tuesday August 09, 2022 14:05:13
Submitted On:	Wednesday August 31, 2022 13:26:16
Submitted By:	Tammy Tubbs
Email:	contract.administrator_us@getac.com
Transaction #:	8ea9ceaa-33c7-4c2e-8e79-8184a5443ff2
Submitter's IP Address:	76.82.4.103

Specifications

Table 1: Proposer Identity & Authorized Representatives

General Instructions (applies to all Tables) Sourcewell prefers a brief but thorough response to each question. Do not merely attach additional documents to your response without also providing a substantive response. Do not leave answers blank; respond “N/A” if the question does not apply to you (preferably with an explanation).

Line Item	Question	Response *	
1	Proposer Legal Name (one legal entity only): (In the event of award, will execute the resulting contract as "Supplier")	Getac, Inc.	*
2	Identify all subsidiary entities of the Proposer whose equipment, products, or services are included in the Proposal.	N/A	*
3	Identify all applicable assumed names or DBA names of the Proposer or Proposer's subsidiaries in Line 1 or Line 2 above.	N/A	*
4	Provide your CAGE code or Unique Entity Identifier (SAM):	00PP6	*
5	Proposer Physical Address:	15495 Sand Canyon Ave Suite 350, Irvine CA 92618	*
6	Proposer website address (or addresses):	www.getac.com/us	*
7	Proposer's Authorized Representative (name, title, address, email address & phone) (The representative must have authority to sign the “Proposer’s Assurance of Compliance” on behalf of the Proposer and, in the event of award, will be expected to execute the resulting contract):	Hsin Jung-Lu; VP Finance & Business Services, 15495 Sand Canyon Ave, Suite 350, Irvine CA 92618, hj.lu@getac.com, (949) 681-2949	*
8	Proposer's primary contact for this proposal (name, title, address, email address & phone):	Tammy Tubbs, Capture Manager, tammy.tubbs@getac.com, (949) 217-8939	*
9	Proposer's other contacts for this proposal, if any (name, title, address, email address & phone):	Maria Gutierrez, Contract Administrator, contract.administrator_us@getac.com, (949) 247-4114	

Table 2: Company Information and Financial Strength

Line Item	Question	Response *	
10	Provide a brief history of your company, including your company's core values, business philosophy, and industry longevity related to the requested equipment, products or services.	For over 30 years, Getac has worked collaboratively with Resellers and End Users to identify, consult, develop, and deploy rugged computing solutions across a wide range of sectors; such as public safety, warehousing, transportation, manufacturing, utility, telecom and military / defense. As the 2nd largest rugged IT manufacturer in the world, Getac is tremendously proud of the impacts we have made in helping leverage technology to support the changing role of mobile data terminals in various government entities and our goal is to provide solutions that enhance operations and reduce total cost of rugged mobile data terminal ownership. Getac's current lineup of products include 8 rugged laptops and 8 rugged tablets that feature a rang of screen sizes and features to meet the need of all rugged users.	*
11	What are your company's expectations in the event of an award?	As a Sourcewell contract holder, Getac plans to utilize this cooperative contract to support a more efficient procurement method for our thousands of customers. We understand the time and cost associated with competitive bidding and look to reduce this procurement challenge for our customers across the US and Canada. We are eager to utilize a robust marketing and training plan to introduce Sourcewell to our customers as a viable procurement method for future procurements.	*
12	Demonstrate your financial strength and stability with meaningful data. This could include such items as financial statements, SEC filings, credit and bond ratings, letters of credit, and detailed reference letters. Upload supporting documents (as applicable) in the document upload section of your response.	Sine 2016, Getac has consistently grown in sales from $130M in 2016 to $200M in 2021. Please see "Getac Financial Review" document attached. You may also view our past financial reports at https://en.getacgroup.com/investors/reports.php	*
13	What is your US market share for the solutions that you are proposing?	Getac currently maintains over 60% market share in the Federal space to include DoD and maintains 35% market share across rugged laptops, tablets, and related accessories and peripherals.	*
14	What is your Canadian market share for the solutions that you are proposing?	Getac currently maintains over 25% market share in the rugged laptops and tablet space in Canada.	*
15	Has your business ever petitioned for bankruptcy protection? If so, explain in detail.	No.	*
16	How is your organization best described: is it a manufacturer, a distributor/dealer/reseller, or a service provider? Answer whichever question (either a) or b) just below) best applies to your organization. a) If your company is best described as a distributor/dealer/reseller (or similar entity), provide your written authorization to act as a distributor/dealer/reseller for the manufacturer of the products proposed in this RFP. If applicable, is your dealer network independent or company owned? b) If your company is best described as a manufacturer or service provider, describe your relationship with your sales and service force and with your dealer network in delivering the products and services proposed in this RFP. Are these individuals your employees, or the employees of a third party?	As an Original Equipment Manufacturer (OEM) since 1989, Getac has been providing rugged computing solutions for demanding professionals in extreme environments. Getac was established as a joint venture with GE Aerospace to supply defense electronic products. As the 2nd largest rugged manufacturer in the world, with sales over $41.3B, Getac is an industry leader in the rugged IT space. Rugged is all we do! We have also established key partnerships with major MDT providers like Havis, Gamber Johnson, Lind, Absolute, and Getac Video Solutions to entire our products have an ecosystem that support an effective and efficient end user solution. We have over 120 North American-based employees that provide Sales, Service and Support to the Getac customer and utilize a strong lineup of 1100+ certified resellers to work directly with the end user and/or customer to ensure the best value rugged IT solution for the buyer.	*
17	If applicable, provide a detailed explanation outlining the licenses and certifications that are both required to be held, and actually held, by your organization (including third parties and subcontractors that you use) in pursuit of the business contemplated by this RFP.	As a manufacturer, Getac is ISO 9001 and ISO 14001 certified. All of our devices also carry a MIL-STD 810H certification (required to officially be called "rugged") and are Ingress Protection (IP) rated for protections against sand, liquids, and other ingress damage. All Getac devices are EPEAT certified Bronze or better to ensure energy efficiency and carry all necessary US and Canadian UL certification. Our device also maintain the NETREADY designation for us across emergency service communication channels.	*
18	Provide all "Suspension or Debarment" information that has applied to your organization during the past ten years.	N/A	*

Table 3: Industry Recognition & Marketplace Success

Line Item	Question	Response *	
19	Describe any relevant industry awards or recognition that your company has received in the past five years	PCMag -- Best Rugged Laptops for 2022 5/3/22 https://www.pcmag.com/picks/the-best-rugged-laptops?test_uuid=06r4MYCu5PZzCkufjQSV3po&test_variant=b PCMag – F110 - 4 Stars 5/2/22 https://www.pcmag.com/reviews/getac-f110-2022 NotebookCheck – S410 Gen 4 5/19/22 https://www.notebookcheck.net/Getac-S410-Gen-4-laptop-review-Simple-changes-with-huge-upgrades.608357.0.html Laptop – S410 – 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-s410-review Laptop – K120- 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-k120-review Notebook Check – B360 1/10/22 https://www.notebookcheck.net/Getac-B360-rugged-laptop-review-Bright-1400-nit-touchscreen.590220.0.html PCMag – S410 – 4 Stars 10/7/21 https://www.pcmag.com/reviews/getac-s410-g4 ZDNet Video – Best Rugged Tablets 7/26/21 https://www.zdnet.com/video/top-5-best-rugged-tablets-in-2021/ RuggedPC Review – B360 5G 6/23/21 https://www.ruggedpcreview.com/3_news_2021_06_23_getac.html Rugged PC Review – K120 – 4/28/21 https://www.ruggedpcreview.com/3_news_2021_04_28_getac.html PCMag – B360 – 4 Stars Editor's Choice – 8/11/20 https://www.pcmag.com/reviews/getac-b360 PCMag -- Best Rugged Laptops for 2022 5/3/22 https://www.pcmag.com/picks/the-best-rugged-laptops?test_uuid=06r4MYCu5PZzCkufjQSV3po&test_variant=b PCMag – F110 - 4 Stars 5/2/22 https://www.pcmag.com/reviews/getac-f110-2022 NotebookCheck – S410 Gen 4 5/19/22 https://www.notebookcheck.net/Getac-S410-Gen-4-laptop-review-Simple-changes-with-huge-upgrades.608357.0.html Laptop – S410 – 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-s410-review Laptop – K120- 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-k120-review Notebook Check – B360 1/10/22 https://www.notebookcheck.net/Getac-B360-rugged-laptop-review-Bright-1400-nit-touchscreen.590220.0.html PCMag – S410 – 4 Stars 10/7/21 https://www.pcmag.com/reviews/getac-s410-g4 ZDNet Video – Best Rugged Tablets 7/26/21 https://www.zdnet.com/video/top-5-best-rugged-tablets-in-2021/ RuggedPC Review – B360 5G 6/23/21 https://www.ruggedpcreview.com/3_news_2021_06_23_getac.html Rugged PC Review – K120 – 4/28/21 https://www.ruggedpcreview.com/3_news_2021_04_28_getac.html	*

		PCMag – B360 – 4 Stars Editor's Choice – 8/11/20 https://www.pcmag.com/reviews/getac-b360 PCMag -- Best Rugged Laptops for 2022 5/3/22, Laptop – S410 – 4 Stars - Editor's Choice 1/18/22, Laptop – K120- 4 Stars - Editor's Choice 1/18/22, ZDNet Video – Best Rugged Tablets 7/26/21 https://www.zdnet.com/video/top-5-best-rugged-tablets-in-2021/, PCMag – B360 – 4 Stars Editor's Choice – 8/11/20 https://www.pcmag.com/reviews/getac-b360	
20	What percentage of your sales are to the governmental sector in the past three years	60% of our $566M in sales over the past three years (2019 - 2021) are government sector sales.	*
21	What percentage of your sales are to the education sector in the past three years	10% of our $566M in sales over the past three years (2019-2021) are education sector sales	*
22	List any state, provincial, or cooperative purchasing contracts that you hold. What is the annual sales volume for each of these contracts over the past three years?	State Contracts: (1) MS 2019 - $890K, 2020 - $1.3M, 2021 - $630K; (2) NC 2019 - $258K, 2020 - $193K, 2021 - $163K; (3) NY 2019 - $132K, 2020 - $395K, 2021 - $154K; COOP Contracts: N/A; Currently awaiting NASPO award and OMNIA Award; We utilize our distributors, HP and SYNNEX cooperative contracts in conjunction with our certified reseller contract awards.	*
23	List any GSA contracts or Standing Offers and Supply Arrangements (SOSA) that you hold. What is the annual sales volume for each of these contracts over the past three years?	As the OEM, we do not directly hold a GSA contract but our products are listed by our Reseller partners and can be found on the following GSA Schedules; Group F- F02 (formerly Schedule 70).	*

Table 4: References/Testimonials

Line Item 24. Supply reference information from three customers who are eligible to be Sourcewell participating entities.

Entity Name *	Contact Name *	Phone Number *	
Las Vegas Metro Police Department	Mandy Berninger	702.828.3111	*
Florida Fish and Wildlife Commission	Elija Padron	863.648.3832	*
Metro Nashville Police Department	Tom Thorson	615.862.7446	*

Table 5: Top Five Government or Education Customers

Line Item 25. Provide a list of your top five government, education, or non-profit customers (entity name is optional), including entity type, the state or province the entity is located in, scope of the project(s), size of transaction(s), and dollar volumes from the past three years.

Entity Name	Entity Type *	State / Province *	Scope of Work *	Size of Transactions *	Dollar Volume Past Three Years *	
Las Vegas Metro Police Department	Government	Nevada - NV	Rugged laptops and/or tablets for all LVMPD mobile units, including car, motorcycle, horse, and bicycle	Over 40 purchase orders from 10 - 300+ qty since 2017	$2,900,000+	*
San Bernardino County Sheriff's Office	Government	California - CA	Rugged laptops and/or tablets for all SB County mobile units, including car, motorcycle and bicycle	Over 60 purchase orders from 5 - 400+ qty since 2015	$3,400,000+	*
Florida Fish and Wildlife	Government	Florida - FL	Rugged laptops and/or tablets for all mobile units, including car, motorcycle, bicycle and boat	Over 10 purchase orders from 22 - 80+ qty since 2018	$3,200,000+	*
Canadian National Defense	Government	QC - Quebec	On National Military Standing Offer (NMSO) contract to provide rugged laptops and tablets to defense personnel for command and control, mission planning, flightline maintenance and tactical communication.	Over 30+ purchase orders from 5 - 320 qty since 2017	$3,100,000+	*
United States Air Force	Government	Alabama - AL	On USAF IT contract (currently QEB) to provide contract to provide rugged laptops and tablets to AF personnel for command and control, mission planning, flightline maintenance, situational awareness and tactical communication.	Over 30+ purchase orders from 5 - 400 qty since 2018	$3,800,000+	*

Table 6: Ability to Sell and Deliver Service

Describe your company’s capability to meet the needs of Sourcewell participating entities across the US and Canada, as applicable. Your response should address in detail at least the following areas: locations of your network of sales and service providers, the number of workers (full-time equivalents) involved in each sector, whether these workers are your direct employees (or employees of a third party), and any overlap between the sales and service functions.

Line Item	Question	Response *	
26	Sales force.	Getac sales force is led by Larry D'Onofrio and supports North America Public Sector sales including all organizations covered by the Sourcewell Cooperative. Larry's team include 12 Regional Sales Managers (RSMs), geographically assigned and posses over 146 years of Rugged Information Technology sales experience. Our RSMs work directly with national and regional certified resellers and end users to develop the best value information technology rugged solution for the interested organization.	*

27	Dealer network or other distribution methods.	Our certified reseller network includes over 1100 Getac certified resellers, including large, small, and diversity business networks. A brief listing of successful Getac resellers include: Brite Datasource Mobility PCN Strategies *DuraTech USA *SHI *GST NWN Barcodes Island Tech Services Cas Severn Glacier Computing *Mobile Rugged Computers Ramco Rugged RCN Midwest Public Safety *USC Canterbury *Preferred Communications Compar Code 3 Insight Howard CDW *Companies identified with current diversity qualifications.	*
28	Service force.	Getac Service force is led by Derek Suzuki and a team of over thirty US-based developers, engineers, technical support specialists, field service specialist. Getac also maintains an Order Operations 12-member team led by Cheryl Wynkoop and provides purchasing manager order fulfillment specialists, demo loan specialists, and order operations specialists to ensure a seamless order experience from receipt of PO to customer delivery. All Getac Service tools and reports are available to the end user on our 24/7 Customer Portal.	*
29	Describe the ordering process. If orders will be handled by distributors, dealers or others, explain the respective roles of the Proposer and others.	When an end user shows an interest in purchasing Getac equipment, we will assign certified regional reseller to support the development of the SKU# and Purchase Order. Once Getac has received the PO from the reseller, we will place the order with our factory and coordinate delivery and installation (if necessary). All Getac customers will have a Getac RSM and Reseller POC assigned to each sale.	*

30	Describe in detail the process and procedure of your customer service program, if applicable. Include your response-time capabilities and commitments, as well as any incentives that help your providers meet your stated service goals or promises.	a. In Service Warranty - Customer support is available by calling 1-866-394-3822 or email at Getac.Support@Getac.com. End user may initiate all in-warranty requests by logging in to the Service Portal at https://support.getac.com/Portal/SetLanguage?languageCode=us. b. Out of Warranty (OOW) Services - Should a hardware problem arise requiring service for an out of warranty device our customer can follow this simple process. 1. Visit https://usrma.Getac.com/ and register as a new user 2. Once logged in, a customer will select Create Service request and Follow the prompts 3. Customers may generate a quote and save it to their account for 30 days 4. Once the quote is paid for on the Portal, an RMA is issued along with shipping labels. 5. All prices include time and material plus round-trip shipping Customer Complaints and Service-related Issues – Initial complaints and service-related issues are handled through Getac's Level 1 Technical Support. If an issue which requires escalation, a Getac Level 2/3 Technical Support Representative or Professional Services Manager will take over the case through resolution. An acknowledgement with appropriate follow up communication should take place throughout the research until resolution. Response Time (pre-CV19/Post CV19) – Getac provides technical support for Getac branded product for the following hours of operations: • Level 1 Technical Support is offered 7 days a week x 24 hours per day x 365 days a year. This would consist of basic troubleshooting, product use and service questions. • Level 2 Technical Support is offered from 8am – 6pm ET, M – F, excluding holiday / Response time when escalated from Level 1 is within 4 business hours. • Level 3 Technical Support is available from 7am – 6pm PT M-F, excluding holidays / Response time when escalated from Level 2 is by next business day. Case Management - All complaints received via email or phone call are captured in Getac's case management software and each customer contact is time stamped. Each escalation has a running time capture with escalation notification sent to all team members. This ensures the fastest response from the first available resource (Level 2/3, Prof Svc Mgr) to address the issue.	*
31	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in the United States.	As the second largest rugged laptop and tablet manufacturer in the world, Getac is proud to provide our rugged lineup of products to the Sourcewell participating entities. We are unique to the IT industry because "Rugged Is All We Do." Since 1989, Getac has sought to grow our North American presence and the use of cooperative contracts like Sourcewell, provides efficient and cost effective procurement opportunities for our nations' public sector and non-profit industry. Getac is prepared for additional growth this contract may afford and is currently operating our total manufacturing capability at 70%.	*
32	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in Canada.	Our Getac sales force and support include Canadian assets including Regional Sales Managers and Certified Repair Centers centrally located in Canada.	*
33	Identify any geographic areas of the United States or Canada that you will NOT be fully serving through the proposed contract.	Getac currently supports all geographic area of the United States and Canada.	*
34	Identify any Sourcewell participating entity sectors (i.e., government, education, not-for-profit) that you will NOT be fully serving through the proposed contract. Explain in detail. For example, does your company have only a regional presence, or do other cooperative purchasing contracts limit your ability to promote another contract?	Getac does not forsee any issues servicing the Sourcewell participating entity sectors.	*
35	Define any specific contract requirements or restrictions that would apply to our participating entities in Hawaii and Alaska and in US Territories.	Getac does not have any specific contract requirements or restrictions that would apply to participating entities in Alaska, Hawaii, or other US Territories.	*

Table 7: Marketing Plan

Line Item	Question	Response *	

36	Describe your marketing strategy for promoting this contract opportunity. Upload representative samples of your marketing materials (if applicable) in the document upload section of your response.	Upon contract award for the new Contract, Getac plans to promote the contract award through internal and external communications as approved by the Agreement Administrator. The goal of marketing the contract is not only to communicate the value proposition, benefits, and the Sourcewell and Getac story, but also to emphasize Getac's commitment and flexibility in delivering and promoting Sourcewell and/or State-specific standards and savings as appropriate and approved by the Agreement Administrator and the participating agencies. To ensure effective marketing plan execution, the Getac Contract Representative, with the collaboration of the Agreement Administrator and designated participating agencies, will develop a plan annually that will help in promoting contract awareness and value for the contract. Getac looks forward to reviewing and discussing the proposed plan with after award.	*
37	Describe your use of technology and digital data (e.g., social media, metadata usage) to enhance marketing effectiveness.	The Marketing plan will include several key features: Press Release: Getac will collaborate with the designated Agreement Administrator and other designated contacts to prepare and distribute a press release, after approval, announcing the contract award to Getac. Once a press release is written and approved, and with permission, Getac will manage all efforts with the media. The press release will be sent to all government industry publications and released over the business wire for pickup by major media. Getac will also leverage the announcement over social media sites to include LinkedIn, Facebook, and Twitter. As required under the contract, all marketing materials will be provided for review, modification and approval prior to distribution. Communication will not be released without approval in writing from the Agreement Administrator. Advertising: Getac will drive contract awareness and product/service promotions under the contract through Getac web banners on https://www.getac.com/us/ and our Platinum Tier Certified Resellers promoting the contract value proposition and product/service promotions through web banners provides an opportunity to reach a large audience of procuring entities. Web banners have a "call to action" inviting the reader to contact Getac URL for pricing and information. Getac will distribute periodic email newsletters and promotions to eligible procuring entities throughout the contract term. These email promotions will provide the most current ongoing promotions. As required under the contract, all marketing materials will be provided to the Agreement Administrator for review, modification and approval prior to distribution. Communication will not be released without approval in writing from the Agreement Administrator. Web Presence: The Getac Sourcewell contract website that is in development with a potential landing page named https://sourcewell.getac.us/ will offer customers extensive information on the contract, products, certified resellers, warranty, pricing and more. Getac will continue to make improvements throughout the contract term to provide information to potential Sourcewell procurement entities. The website will provide a dropdown menu of the participating agencies and guide the user to a state specific page to facilitate procurement efforts. Each state website will be personalized, as allowed by and as approved by the Participating Agencies Procurement official, to meet the needs of the organization and maintain the approved format.	*
38	In your view, what is Sourcewell's role in promoting contracts arising out of this RFP? How will you integrate a Sourcewell-awarded contract into your sales process?	Marketing Events & Forums: Getac will participate in annual marketing events annually and attend other Sourcewell events. The Getac Primary Account Representative will attend events along with the Contract Program Management team and potential management team members. The Getac Primary Account Representative and other Program Management team members will meet with participating agencies throughout the year to review participating agencies marketing plans and events, which may include management. Getac, in partnership with our Platinum tiered certified resellers, may schedule seminars in local major cities to review the latest IT trends and new Getac products with both local agencies and Getac authorized partners. Getac will work with the Agreement Administrator, designated Sourcewell teams and/or participating agencies to make them aware of these events or schedule additional seminar events or Webinars. Events will provide important information to agencies on contracts specifics including product scope, ordering information, price lists, and how to save more using this contract. As allowed and approved by the Agreement Administrator, Getac agency-approved partners can assist in the marketing activities in this section to promote the contract through telemarketing/email/social media campaigns, events and distribution of Agreement Administrator approved marketing documents. This will allow Getac to reach even more agencies for contract awareness.	*
39	Are your products or services available through an e-procurement ordering process? If so, describe your e-procurement system and how governmental and educational customers have used it.	Due to the highly customized nature of each and every rugged laptop and tablet Getac manufacturers, we do not offer E-procurement service for initial procurement. Once a Getac customer, customers will be provided a User Log In to purchase additional accessories, peripherals as needed and approved under the terms of the contract.	*

Table 8: Value-Added Attributes

Line Item	Question	Response *	
40	Describe any product, equipment, maintenance, or operator training programs that you offer to Sourcewell participating entities. Include details, such as whether training is standard or optional, who provides training, and any costs that apply.	All Getac products will come with an operating manual and access to training materials via the online customer portal at no additional cost to the buyer. Getac may also be able to provide additional training and support as requested at no additional cost to the procurement agency.	*
41	Describe any technological advances that your proposed products or services offer.	1. Our revolutionary LumiBond® 2.0 touchscreen technology, which bonds the display glass with the touch panel and LCD, creating a single pane that is more durable and readable, and offers better contrast and more crisp colors than other rugged laptop display. It features four advanced touch modes (Touch, Glove or Pen mode, plus an optional Digitizer mode), and the included hard-tip stylus enables you to capture signatures and take more precise notes on drawings, maps, or forms. 2. Main chassis structure is precision cast using Magnesium Alloy, an incredibly strong structural metal that also happens to be one of the lightest in the world for its strength. We combined that with an advanced rugged polymer in areas of less impact and rubberized absorption polymer at the main points of contact. Our devices have been independently tested and certified to MIL-STD-810H and MIL-STD461G standards. 3. Hot-swappable dual-battery design allows for potentially everlasting, uninterrupted battery life. This enables you to remove one of the two rechargeable batteries and replace it with a fresh battery without ever shutting down apps or your Windows OS. 4. AT&T FirstNet Ready®, offers an easy-to-carry profile, a comfortable touchscreen, and more power to run your general office and industry-specific applications with ease for first responders. 5. Most of our models' offer the newest and fastest wired and wireless connection options available. Thunderbolt™ 4 offers 40 Gbps data sharing with other devices, while Wi-Fi 6 (802.11ax) offers nearly five times speedier WLAN connectivity than the previous generation, and more reliability in dense deployments. The new Bluetooth 5.2 standard enhances connectivity with various Low-Power Wide-Area (LPWA) devices, while Wireless WAN with integrated GPS/GLONASS receiver, incorporating the latest Sierra Wireless module, delivers advanced air interface connectivity, including LTE-Advanced (LTE-A). 6. All Getac devices come with an entire lineup of accessories and peripherals including multiple battery charging stations, hands straps and holders, detachable keyboards, stylus' just to name a few.	*
42	Describe any “green” initiatives that relate to your company or to your products or services, and include a list of the certifying agency for each.	In response to the trend of international environmental protection, such as the requirements of product greening, toxic free, hazard free and environmentally friendly design, packaging, and recyclability, the Company has developed "Regulations for Getac Environmental Load Control" and "Getac Green Product Operating Procedures" and other related operating procedures and regulations, to actively promote overall product greening internally, and require all Getac suppliers to cooperate with the requirements of Getac environmental control regulations, not only to meet the requirements specified in the domestic and international environmental protection laws and regulations, so that the products can be successfully marketed globally, but also with stricter demand of self-expectation to meet the requirements of customers, while fulfilling the corporate responsibility and emphasizing the importance of environmental protection. We are also making it easier for customers to reduce waste by designing easily recyclable products and working with our Certified reseller partners to offer environmentally friendly packaging services and solutions for large scale device deployments.	*
43	Identify any third-party issued eco-labels, ratings or certifications that your company has received for the equipment or products included in your Proposal related to energy efficiency or conservation, life-cycle design (cradle-to-cradle), or other green/sustainability factors.	Getac cares about the environment. We have implemented strict policies to ensure our material parts, products, packing and manufacturing processes are environmentally friendly. We are proud to partner with organizations around the globe to bring awareness and help implement solutions to the environmental issues the world is facing. As a certified green manufacturer Getac has been independently tested and received environmental certifications including EPEAT®, RoHS Directive, REACH Regulation, and ENERGY STAR®. We believe in, and actively pursue innovation that will continue to lessen the environmental impact of electronics manufacturing to improve the quality of human life and protect the planet. Getac has set the Company's environmental policy with the goal of “Care for Environment, Sustainable Recycling,” clearly set for cherishing the earth's resources, complying with national environmental laws and regulations. Getac is committed to promoting green production, fulfilling our responsibility to protect the earth, through standard operation procedures; we include water resources management, energy management, wastewater, waste, and air pollution prevention in our daily management. All Getac's factories scrupulously abide by the environmental laws and regulations of the plant locations, and all factories have obtained the environmental management system certification of ISO14001 or the same level, and all plants have completed the new version certification of ISO14001:2015 at the end of 2019.	*

44	Describe any Women or Minority Business Entity (WMBE), Small Business Entity (SBE), or veteran owned business certifications that your company or hub partners have obtained. Upload documentation of certification (as applicable) in the document upload section of your response.	N/A	*
45	What unique attributes does your company, your products, or your services offer to Sourcewell participating entities? What makes your proposed solutions unique in your industry as it applies to Sourcewell participating entities?	As an OEM, Getac is the only global rugged IT manufacturer that builds every device from the ground up. Our ability to forecast sales and manufacturer in spite of global market supply fluctuations ensures our customer have the fastest delivery time available in the industry. Despite global supply chain issues in 2020 and 2021, Getac has maintained a <60 day delivery timeline as our competitors are regularly shipping at 120 - 180 days after receipt of purchase order.	*

Table 9: Warranty

Describe in detail your manufacturer warranty program, including conditions and requirements to qualify, claims procedure, and overall structure. You may upload representative samples of your warranty materials (if applicable) in the document upload section of your response in addition to responding to the questions below.

Line Item	Question	Response *	
46	Do your warranties cover all products, parts, and labor?	Our S410 comes standard with a Limited 3 Year Warranty and all other products come standard with a 3 Year Bumper to Bumper Warranty that includes accidental coverage. Additional warranty for Year 4/5/6 may be purchased for an additional fee. Getacs warranty obligations for this hardware product are limited to the terms set forth below: Getac, Inc. warrants this Getac-branded rugged computer against defects in materials and workmanship under normal use and damage that occurs due to accidental acts and exposure to environmental conditions for a period of THREE (3) YEARS from the date of purchase by the original end-user purchaser (“Warranty Period”). This warranty only applies to products sold by Getac or its Authorized Distributors or Dealers and only where the products are used and serviced within North America or its Authorized Service Providers’ territories. Warranty coverage only applies to service carried out by a Getac Authorized Service Provider. If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, Getac will either repair the defect at no charge, using new or refurbished replacement parts, or exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. A replacement product or part, including a user installable part that has been installed in accordance with instructions provided by Getac, assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement product becomes your property and the replaced item becomes Getacs property. Parts provided by Getac in fulfillment of its warranty obligation must be used in products for which warranty service is claimed. Please review "Warranty Card" attached for additional warranty information.	*

47	Do your warranties impose usage restrictions or other limitations that adversely affect coverage?	Exclusions and Limitations - This Limited Warranty applies only to Getac-branded hardware products manufactured by or for Getac that can be identified by the “Getac” trademark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-Getac hardware products, co-branded hardware products (whether or not displaying a “powered by Getac” trademark, trade name, or logo affixed to them) or any software, even if packaged or sold with Getac hardware. Manufacturers, suppliers, or publishers, other than Getac, may provide their own warranties to the end user purchaser, but Getac, in so far as permitted by law, provides their products “as is”. Software distributed by Getac with or without the Getac brand name (including, but not limited to system software) is not covered under this Limited Warranty. Refer to the licensing agreement accompanying the software for details of your rights with respect to its use. Getac does not warrant that the operation of the product will be uninterrupted or error-free. Getac is not responsible for damage arising from failure to follow instructions relating to the product’s use. Batteries supplied with the product are covered under the warranty for one (1) year from date of purchase. A battery furnished under the warranty is covered for the remaining period of the one year warranty on the original battery or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. The LCD, touchscreen, hard drive/SSD, motherboard, and keyboard are limited to one repair/replacement per part component per 12 month period for damage that occurs due to accidental acts and exposure to environmental conditions. This warranty does not apply to: (a) loss or theft; (b) fire; (c) submersion; (d) acts of god; (e) acts of war; (f) virus-inflicted damage; (g) improper use, intentional misuse or abuse; (h) improper maintenance or modification by anyone other than Getac or a Getac Authorized Service Provider; (i) a product or part that has been modified to alter functionality or capability without the written permission of Getac; (j) a product on which any Getac serial number has been removed or defaced; (k) data recovery from hard drive failure; (l) All consumable items; such as screen protection films, logo badges, labels, cleaning cloths, carry cases, manuals, cables, straps, belts, holsters, tethers, stylus, digitizer pens, and harnesses and any other options and accessories not listed above or covered under a separate warranty. (m) to cosmetic damage that does not affect the functionality of the system, including but not limited to scratches, dents and numerals, letters, icons and symbols silkscreened onto unit keycaps and numerals, letters, icons and symbols silkscreened onto unit cabinet; or (n) negligence (o) operation of product outside the published environmental or electrical parameters (p) use of supplies or parts not meeting Getac’s specifications Please review "Warranty Card" attached for restrictions and other limitations.	*

48	Do your warranties cover the expense of technicians' travel time and mileage to perform warranty repairs?	Technicians do not need to travel to perform warranty repairs. Warranty Repair Description - Getac offers an industry-leading warranty (bumper-to-bumper) on our products for a minimum of 3-years (semi-rugged product require service upgrade), which includes accidental damage. With one of the lowest annual failure rates in the computer industry, Getac computers are built-to-survive. If one does need repair, we want to make it as convenient as possible. That's why Getac rugged computers are serviced by FedEx Logistics - a fast, convenient and reliable service so you can quickly get back to doing what you do best. For minor repairs, Getac's Self-Maintainer Program lets customers opt to have replacement parts shipped directly to them. Device Support - Getac employs a multi-layered support structure, at no cost to the End User that includes a Solutions Architect, Field Service Engineer, and a 3-Tier Technical Support team. In addition, Getac's 24/7 technical support is available via email at GetacSupport_US@Getac.com or by phone at +1 (866) EZ-GETAC [+1 (866) 394-3822]. All support requests via phone or email are logged in our internal ticketing system and assigned to the appropriate resource. Escalation to product or software engineering is engaged as needed. The Getac Service Portal allows real-time tracking of hardware repairs and history. For technical support incidents, a ticket # is generated for every request and on-going and final resolution can be obtained by referring to previously assigned ticket #. Getac does not use "off-shore" technical support.	*

49	Are there any geographic regions of the United States or Canada (as applicable) for which you cannot provide a certified technician to perform warranty repairs? How will Sourcewell participating entities in these regions be provided service for warranty repair?	No. Getac repair services are available in US and Canada. For Level I/II Repairs – Getac Self-Maintainer Program empowers in house technicians to provide immediate services to defective unit for minor repairs. For Level I and Level II repairs, the Getac Self-Maintainer Program allows you to perform warranty repairs on Getac products. Instead of shipping products to Getac's US-based Repair Center, the defective part can be swapped out by your own technicians. This allows you keep possession of your products and minimize downtime. Self-Maintainer repairs include all parts, and materials at no additional cost. Common cosmetic repairs like hatch door replacement are also included. Getac provides training for your team as part of the Self- Maintainer Program with an emphasis on parts replacement, product use and Getac's Service System processing. Upon successful completion of training, Getac supplies you an initial stock of seed parts to inventory at your location. When a repair is needed, your technician diagnoses the problem, creates an RMA in Getac's Online Service System (GSS) then removes the required part from Getac consigned inventory and repairs the unit. To replenish the inventory, simply place the defective part in the used part box, put a copy of the RMA inside, write the RMA number on the outside of the box and return it to Getac. Upon receipt of the defective part, Getac will ship out a replacement part to you. When you receive the new part, place it into inventory for future repairs. To ensure our high standard for repair is met, Getac has established the following qualification requirements for the Self-Maintainer Program: • Repairs are limited to customer owned product—150-unit minimum • Must be a current Getac USA customer in good business standing • Must have Service and Spare Parts Agreement in place with Getac • Must have qualified technicians on staff capable of repairing Getac products • Must have a dedicated environment and tools appropriate to repair products • Maintain product repair information and problem codes in the Getac Service Portal for product tracking and spare part replenishment Level III Repairs - FedEx TechConnect Program was designed to offer fast, convenient, reliable service repairs that can be initiated 24 hours a day, 7 days a week on Getac Service Portal. With one of the lowest annual failure rates in the computer industry, Getac computers are built to survive. If one does need repair beyond the Level I & Level II Self-Maintainer program, we want to make it as convenient as possible. Getac has partnered with FedEx TechConnect, a fast, convenient, reliable service repair center located in Memphis, TN. The End-of- runway location ensures shorter time in transit for express shipments and 3 day or less transit by FedEx Ground for most of the US. Warranty repairs can be initiated 24 hours a day, 7 days a week on the Getac service portal. With over 1,800 FedEx Office locations nationwide, it's easy to find a convenient drop-off location to and US-based end user. Once the device is shipped to the end of runway state of the art facility, technology repair specialists, certified by Getac, provide diagnostics, repair, re-image and upgrade services with quality assurance methodologies designed to verify that everything is working properly. All Getac warranty repairs are performed by expert technicians using only Getac original production parts. Every repair comes with online three-stage tracking of the inbound shipment to the repair center, during repair or upgrade, and the return shipment back to the designated location. With the 24/7 online monitored chain of custody, your system is always either with FedEx or you. Average repair time, excluding shipping, is 3.1 days.	*
50	Will you cover warranty service for items made by other manufacturers that are part of your proposal, or are these warranties issues typically passed on to the original equipment manufacturer?	All Third Party products warranty will be passed to the original equipment manufacturer. Third Party Product Warranty Services – All third-party product warranty procurement processes, descriptions, and contact information will be available on a link at the Sourcewell/Getac website under Third Party products.	*

51	What are your proposed exchange and return programs and policies?	In accordance with generally accepted rugged manufacturing return and exchange policies, Getac does not allow exchanges or returns on any delivered products. each product is custom made-to-order and will only be promptly replaced if it arrives Dead-On-Arrival (DOA). Getac RSMs and certified resellers take great care to support the buyer through the procurement process to ensure the exact device(s) order meet and/or exceed all desired end user specifications.	*

52	Describe any service contract options for the items included in your proposal.	Additional Accessory/Service Warranty Details Peripherals - Getac peripherals come with at least 1-year warranty as standard. However, should you wish to extend the warranty on your Getac device, it makes sense to do the same for your peripherals. • We can offer extensions to year 2 ~ 5 from the standard warranty on Getac or 3rd party accessory, keyboard, docks and rugged power supplies. • If your accessory fails, log onto our Getac Service Portal and request a repair. Once returned, your accessory will be repaired, tested and shipped back to you. • If you work to a longer refresh cycle or are looking to extend your current devices working life email us at GetacSupport_US@Getac.com or by phone at +1 (866) EZ-GETAC [+1 (866) 394-3822] to discuss additional warranty extensions options. Batteries - We pride ourselves on the quality of batteries and their ability to perform throughout a full day. However, batteries are considered to be “consumable” as there are limitations on the recharge cycles of all batteries. Since batteries are consumable products, the industry standard and that of Getac is to provide a 1-year warranty. • You can extend this with our Battery Warranty so that should it fail we will send you a replacement battery. • A battery is considered good if it maintains 50% of its charge capacity during the warranty period. Expedited Service - For customers who want their mission-critical equipment repaired faster, we have two options for expedited service available for an additional fee. No more internal challenges waiting for estimates and approvals, just report your product issue via our Service Request system and we’ll take care of the rest Option 1 - Express Care Option 2 - Priority Care 2 Days Shipping Overnight Shipping Line Hopping Priority Front of Queue Priority 2 Days Repair 1 Day Repair To ensure that our high standard for repair is met, Getac has established the following qualification requirements for the Expedited Service Program: • Must purchase Expedited Service Program with Getac product at the same time. • All purchases are recorded in the Getac Service System. When devices need repair, register the service request (SR), which will automatically generate expedited service information in SR. • Getac provides a 3-year expedited service for 3-year warranty products, and provides a 5-year expedited service for 5-year warranty products. • Accessories are not included in this program Extended Warranty - Extend your standard warranty from 3 years up to 5 years, for specific projects we can offer up to 7 years of extended warranty. Getac’s standard warranty for fully rugged devices includes the Bumper-to-Bumper warranty which covers accidental damage. The Extended Warranty covers any repairs in the same manner as the standard warranty. • Getac provides coverage for failures due to defects in materials or workmanship that occur with normal use. • All system components are covered under the extended warranty, except consumable items. • Purchase the Extended Warranty option at the point of sale or within 3 months of purchasing your Getac device. Keep Your Hard Drive Warranty (KYHW) - Getac is experienced in dealing with security-industry customers that require top-level security to protect the data on their devices. For these customers, we can ship you a replacement HDD / SSD. • Getac takes reasonable precautions to protect your data while it is in our hands. However, some customers’ devices hold sensitive data that they cannot take any risks. Keep Your Hard Drive warranty option is designed for these customers. If you handle data of a sensitive nature, for national security or commercial reasons, then add this to your warranty.	*

Table 10: Payment Terms and Financing Options

Line Item	Question	Response *	
53	Describe your payment terms and accepted payment methods.	The value-added reseller partners supporting this contract have specific focuses on State and Local Government entities. These partners are aligned with the Getac Public Sector team and receive additional support from Getac's Field Sales organization. This alignment ensures partners have the proper support and competence to master the requirements set forth by the partnering government end users. The appointed resellers include large national organizations as well as local partners who often provide additional services around product deployment and implementation of Getac devices. These value- added resellers will work directly with the participating agencies to provide both pre- and post- sales support, quotes, as well as installation and implementation services. Getac's value-added resellers will be the primary points of contact for acceptance of orders, invoicing, and payment. Payment terms are generally Net30. These value-added resellers will source all Getac solutions and services through Getac's appointed distribution partners, who have a direct purchasing relationship with Getac, the manufacturer. Upon receiving a fully executed purchase order from the government end user, the value-added reseller will issue purchase order to one of the appointed distributor partners. The purchase order to distribution will include a copy of the end customer's purchase order for the purpose of tracking and reporting as indicated below.	*
54	Describe any leasing or financing options available for use by educational or governmental entities.	Paul Levand Vice-President of Business Development "On the North Coast of America" 216-496-6711 plevand@rivercapital.com | www.rivercapital.com	*
55	Describe any standard transaction documents that you propose to use in connection with an awarded contract (order forms, terms and conditions, service level agreements, etc.). Upload a sample of each (as applicable) in the document upload section of your response.	Getac is prepared to accept the buyers standard transaction documents and do use any mandatory forms, SLAs or T&Cs in connection with award.	*
56	Do you accept the P-card procurement and payment process? If so, is there any additional cost to Sourcewell participating entities for using this process?	No. ACH preferred method of payment.	*

Table 11: Pricing and Delivery

Provide detailed pricing information in the questions that follow below. Keep in mind that reasonable price and product adjustments can be made during the term of an awarded Contract as described in the RFP, the template Contract, and the Sourcewell Price and Product Change Request Form.

Line Item	Question	Response *	
57	Describe your pricing model (e.g., line-item discounts or product-category discounts). Provide detailed pricing data (including standard or list pricing and the Sourcewell discounted price) on all of the items that you want Sourcewell to consider as part of your RFP response. If applicable, provide a SKU for each item in your proposal. Upload your pricing materials (if applicable) in the document upload section of your response.	Getac will provide a minimum discount off MSRP by Category. Additional discounts may be offered at the discretion of the certified Getac reseller. See" Getac Proposed Pricing Sheet" for additional details.	*
58	Quantify the pricing discount represented by the pricing proposal in this response. For example, if the pricing in your response represents a percentage discount from MSRP or list, state the percentage or percentage range.	Getac pricing sheet includes SKU, Description, MSRP, % Off Discount by Category, and Proposed Sourcewell NTE price. See "Getac Proposed Pricing Sheet."	*
59	Describe any quantity or volume discounts or rebate programs that you offer.	Getac does not offer quantity or volume discounts or rebate programs. They may be offered by the certified reseller.	*
60	Propose a method of facilitating “sourced” products or related services, which may be referred to as “open market” items or “nonstandard options”. For example, you may supply such items “at cost” or “at cost plus a percentage,” or you may supply a quote for each such request.	Getac does not sell open market items and only sells Getac labeled products and related accessories and peripherals. All SKUs and descriptions and NLT price can be reviewed on the "Getac Proposed Pricing Sheet."	*
61	Identify any element of the total cost of acquisition that is NOT included in the pricing submitted with your response. This includes all additional charges associated with a purchase that are not directly identified as freight or shipping charges. For example, list costs for items like pre-delivery inspection, installation, set up, mandatory training, or initial inspection. Identify any parties that impose such costs and their relationship to the Proposer.	Getac does not have additional costs associated with the purchase of items identified in the "Getac Proposed Pricing Sheet."	*
62	If freight, delivery, or shipping is an additional cost to the Sourcewell participating entity, describe in detail the complete freight, shipping, and delivery program.	Freight, delivery and/or shipping is included in the price of the device.	*
63	Specifically describe freight, shipping, and delivery terms or programs available for Alaska, Hawaii, Canada, or any offshore delivery.	Freight, delivery and/or shipping is included in the price of the device.	*
64	Describe any unique distribution and/or delivery methods or options offered in your proposal.	N/A	*

Table 12: Pricing Offered

Line Item	The Pricing Offered in this Proposal is: *	Comments
65	b. the same as the Proposer typically offers to GPOs, cooperative procurement organizations, or state purchasing departments.	

Table 13: Audit and Administrative Fee

Line Item	Question	Response *	
66	Specifically describe any self-audit process or program that you plan to employ to verify compliance with your proposed Contract with Sourcewell. This process includes ensuring that Sourcewell participating entities obtain the proper pricing, that the Vendor reports all sales under the Contract each quarter, and that the Vendor remits the proper administrative fee to Sourcewell. Provide sufficient detail to support your ability to report quarterly sales to Sourcewell as described in the Contract template.	Upon award, GETAC will have a master price file/catalog set up that include the guaranteed category discounts along with the scope of products allowed under the contract and thresholds tied to each part number as approved by the Administrator defined in the awarded Master Agreement. During each setup process, these price files are reviewed by contract and pricing operations personnel for accuracy as part of GETAC's contract compliance and pricing management business processes. These same reviews and approvals occur each time a product is added, or a contract modification is received. GETAC's price file/catalog of products under each category is tied systematically to the MSRP list price and tied to the discounts that automatically pre-calculate the price file/catalog in accordance with the discount that is reflected and flowed to the contract website and the Inside Sales Representatives' quoting tool. The GETAC system that houses the price list/catalogs were recently audited to ensure compliance, and GETAC agrees to conduct random checks during the term of to ensure quotes provided are at the discount off list price he contracts as required. Getac will conduct a quarterly self-audit, that will sample a minimum of one tenth of one percent (.001) of orders with a maximum of 100 audits per quarter conducted. For example: Up to 1,000 sales = 1 audit; 10,000 sales = 10 audits; Up to 100,000 sales = 100 audits. This will be a random sample of orders and invoices and must include documentation of pricing. Summary findings will be reported to Lead Agency with actions to correct documented findings. GETAC audits purchase orders and corresponding invoices randomly on a quarterly basis under existing contracts today and will continue this process under a new awarded contract. The website, quotes and invoices generated through GETAC systems are based on the contract number tied to a specific price file/catalog for pricing and systematically flows. GETAC agrees to conduct random checks during the term of the contract as required. Quotes automatically reflect the discount off GETAC's list price as required under the contract, and invoices will reflect the lowest price at the time the product ships. If an order is received for GETAC-branded product and a price decrease was generated prior to shipment, the procuring entity will receive the price decrease reflected on the invoice, providing them additional savings.	*
67	If you are awarded a contract, provide a few examples of internal metrics that will be tracked to measure whether you are having success with the contract.	The Contract Administrator will be responsible to provide quarterly and annual sales reports to Getac leadership team and cooridnate with our training and marketing teams to produce materials to encourage Sourcewell contract use. After the first year baseline sales, the Contract administrator with direction from the Executive team, will establish increase sales goals and RSMs will be expected to meet sales goals in order to achieve the highest level of annual bonus payouts.	*
68	Identify a proposed administrative fee that you will pay to Sourcewell for facilitating, managing, and promoting the Sourcewell Contract in the event that you are awarded a Contract. This fee is typically calculated as a percentage of Vendor's sales under the Contract or as a per-unit fee; it is not a line-item addition to the Member's cost of goods. (See the RFP and template Contract for additional details.)	1.25%	*

Table 14A: Depth and Breadth of Offered Equipment Products and Services

Line Item	Question	Response *	
69	Provide a detailed description of the equipment, products, and services that you are offering in your proposal.	Getac offers rugged computing product lines of all sizes including rugged notebooks, rugged tablets, rugged handheld for federal, education, military, public sector, utility, manufacturing, transportation & logistics, insurance, automotive maintenance, and field-service customers. Currently Getac has over 19,300 devices valued at $82.5M deployed in Federal Government (Non-Military), including transit authorities, public utilities and services, emergency preparedness organizations, judicial support and services and other NGOs. Getac currently manufacturers Rugged Laptops ranging in screen size from 11.6" to 15.6." Getac currently manufactures Rugged Tablets and Handheld PCs ranging in screen size from 7" to 14" and has both Windows and Android OS available. Please review the "Getac Lineup Card" for detailed specifications for each device proposed in this RFB.	*
70	Within this RFP category there may be subcategories of solutions. List subcategory titles that best describe your products and services.	We do not wish to add subcategories. We have listed our products based on minimum specifications identified in the RFP. We will have an "Accessory/Peripheral" category. See below. Rugged Laptop Category - X600, X500, B360, S410, V110 Rugged Tablet Category - A140, K120, F110, UX10, T800 Rugged Handheld PC Category - ZX10, ZX70(Android OS) Accessories/Peripherals - Power Adapters, Stylus Pens, Digitizer Pen, Carry Bag, Dual Battery Charger, High Capacity Battery, Keyboard Dock, Multi-Bay Charger, Office Dock, Hand strap, Shoulder strap, Screen Protector, Standard battery, Vehicle dock	*

Table 148: Depth and 8readth of Offered Equipment Products and Services

Indicate below if the listed types or classes of equipment, products, and services are offered within your proposal. Provide additional comments in the text box provided, as necessary.

Line Item	Category or Type	Offered	Comments	
71	Law Enforcement duty gear	○ Yes ◉ No	N/A	*
72	Traffic safety enforcement equipment, devices, and instruments	◉ Yes ○ No	Getac solutions are built to improve upon the computer-aided dispatch software (CAD) and police records management system (RMS) you already use. Writing citations, collision reports, and DUI arrest reports has never been easier thanks to Getac solutions. With our rugged devices, you can write, sync, and submit all the documents required from the field electronically, saving time, and reducing errors. Getac rugged devices are built with law enforcement in mind, providing you access to information to stay situationally aware as you protect and serve. Whether on patrol or during an emergency, Getac devices allow you to remain in contact with command, dispatch, and your fellow officers to make sure everyone is safe and informed.	*
73	Crime scene management and evidence collection equipment and supplies	○ Yes ◉ No	N/A	*
74	Tactical and EOD equipment (with the exception of those items excluded in subsections 2. or 3. of RFP)	◉ Yes ○ No	ANSI rated rugged devices available for EOD environments	*
75	Services related to the offering of the solutions in subsections above, such as training, installation, testing, maintenance, warranty programs, and technical support	○ Yes ◉ No	N/A	*

Exceptions to Terms, Conditions, or Specifications Form

Only those Proposer Exceptions to Terms, Conditions, or Specifications that have been accepted by Sourcewell have been incorporated into the contract text.

Documents

Ensure your submission document(s) conforms to the following:

1. Documents in PDF format are preferred. Documents in Word, Excel, or compatible formats may also be provided.

2. Documents should NOT have a security password, as Sourcewell may not be able to open the file. It is your sole responsibility to ensure that the uploaded document(s) are not either defective, corrupted or blank and that the documents can be opened and viewed by Sourcewell.

3. Sourcewell may reject any response where any document(s) cannot be opened and viewed by Sourcewell.

4. If you need to upload more than one (1) document for a single item, you should combine the documents into one zipped file. If the zipped file contains more than one (1) document, ensure each document is named, in relation to the submission format item responding to. For example, if responding to the Marketing Plan category save the document as "Marketing Plan."

- Pricing - Sourcewell Pricing Page_Final.pdf - Wednesday August 31, 2022 13:23:12
- Financial Strength and Stability - Financial Review Form.pdf - Tuesday August 09, 2022 14:38:46
- Marketing Plan/Samples - Marketing Plan.pdf - Wednesday August 31, 2022 12:37:18
- WMBE/MBE/SBE or Related Certificates (optional)
- Warranty Information - Warranty Details.pdf - Tuesday August 09, 2022 17:33:13
- Standard Transaction Document Samples - Sample Quote.pdf - Wednesday August 31, 2022 11:28:20
- Upload Additional Document - Getac-All in One-US-July2022.pdf - Wednesday August 10, 2022 17:29:18

Addenda, Terms and Conditions

PROPOSER AFFIDAVIT AND ASSURANCE OF COMPLIANCE

I certify that I am the authorized representative of the Proposer submitting the foregoing Proposal with the legal authority to bind the Proposer to this Affidavit and Assurance of Compliance:

1. The Proposer is submitting this Proposal under its full and complete legal name, and the Proposer legally exists in good standing in the jurisdiction of its residence.

2. The Proposer warrants that the information provided in this Proposal is true, correct, and reliable for purposes of evaluation for contract award.

3. The Proposer, including any person assisting with the creation of this Proposal, has arrived at this Proposal independently and the Proposal has been created without colluding with any other person, company, or parties that have or will submit a proposal under this solicitation; and the Proposal has in all respects been created fairly without any fraud or dishonesty. The Proposer has not directly or indirectly entered into any agreement or arrangement with any person or business in an effort to influence any part of this solicitation or operations of a resulting contract; and the Proposer has not taken any action in restraint of free trade or competitiveness in connection with this solicitation. Additionally, if Proposer has worked with a consultant on the Proposal, the consultant (an individual or a company) has not assisted any other entity that has submitted or will submit a proposal for this solicitation.

4. To the best of its knowledge and belief, and except as otherwise disclosed in the Proposal, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest. An organizational conflict of interest exists when a vendor has an unfair competitive advantage or the vendor's objectivity in performing the contract is, or might be, impaired.

5. The contents of the Proposal have not been communicated by the Proposer or its employees or agents to any person not an employee or legally authorized agent of the Proposer and will not be communicated to any such persons prior to Due Date of this solicitation.

6. If awarded a contract, the Proposer will provide to Sourcewell Participating Entities the equipment, products, and services in accordance with the terms, conditions, and scope of a resulting contract.

7. The Proposer possesses, or will possess before delivering any equipment, products, or services, all applicable licenses or certifications necessary to deliver such equipment, products, or services under any resulting contract.

8. The Proposer agrees to deliver equipment, products, and services through valid contracts, purchase orders, or means that are acceptable to Sourcewell Members. Unless otherwise agreed to, the Proposer must provide only new and first-quality products and related services to Sourcewell Members under an awarded Contract.

9. The Proposer will comply with all applicable provisions of federal, state, and local laws, regulations, rules, and orders.

10. The Proposer understands that Sourcewell will reject RFP proposals that are marked "confidential" (or "nonpublic," etc.), either substantially or in their entirety. Under Minnesota Statutes Section 13.591, subdivision 4, all proposals are considered nonpublic data until the evaluation is complete and a Contract is awarded. At that point, proposals become public data. Minnesota Statutes Section 13.37 permits only certain narrowly defined data to be considered a "trade secret," and thus nonpublic data under Minnesota's Data Practices Act.

11. Proposer its employees, agents, and subcontractors are not:
    1. Included on the "Specially Designated Nationals and Blocked Persons" list maintained by the Office of Foreign Assets Control of the United States Department of the Treasury found at: https://www.treasury.gov/ofac/downloads/sdnlist.pdf;

    2. Included on the government-wide exclusions lists in the United States System for Award Management found at: https://sam.gov/SAM/; or

    3. Presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated

by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Vendor certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this solicitation.

☑ By checking this box I acknowledge that I am bound by the terms of the Proposer's Affidavit, have the legal authority to submit this Proposal on behalf of the Proposer, and that this electronic acknowledgment has the same legal effect, validity, and enforceability as if I had hand signed the Proposal. This signature will not be denied such legal effect, validity, or enforceability solely because an electronic signature or electronic record was used in its formation. - Tammy Tubbs, Capture Manager, Getac, Inc.

The Proposer declares that there is an actual or potential Conflict of Interest relating to the preparation of its submission, and/or the Proposer foresees an actual or potential Conflict of Interest in performing the contractual obligations contemplated in the bid.

○ **Yes** ◉ **No**

The Bidder acknowledges and agrees that the addendum/addenda below form part of the Bid Document.

Check the box in the column "**I have reviewed this addendum"** below to acknowledge each of the addenda.

File Name	I have reviewed the below addendum and attachments (if applicable)	Pages
Addendum_5_Law_Enforcement_Equipment_RFP_090122 Wed August 24 2022 02:56 PM	☑	1
Addendum_4_Law_Enforcement_Equipment_RFP_090122 Wed August 17 2022 04:20 PM	☑	2
Addendum_3_Law_Enforcement_Equipment_RFP_090122 Tue August 16 2022 09:33 AM	☑	1
Addendum_2_Law_Enforcement_Equipment_RFP_090122 Wed August 10 2022 07:59 AM	☑	1
Addendum_1_Law_Enforcement_Equipment_RFP_090122 Mon July 18 2022 04:34 PM	☑	2

As of Tuesday, June 18, 2024, the current Authorized Resellers for the Sourcewell Contract #090122-GET are listed below. Copies of the executed MOA are available upon request.



1	American Barcode and RFID (AB&R)
2	Brite
3	Brooks Network
4	Code 3 Technology
5	Dealer Direct (Rugged.One)
6	DuraTech USA, Inc.
7	Ensemble Solutions
8	Glacier Computer
9	Golden Star Technology, Inc. (GST)
10	GovDirect
11	Guardian Fleet Safety
12	Magnum Eletronics, Inc.
13	Midwest Public Safety
14	Modern Networks
15	PCN Strategies
16	Pinnacle Networx, LLC
17	Preferred Communications (SatStar)
18	ProLogic ITS
19	Public Safety Solutions
20	Saitech, Inc.
21	Sector LLC
22	Strategic Sourcing, Inc.
23	Unistar-Sparco Computers
24	Wireless Access Technologies

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Solicitation Number: 090122

CONTRACT

This Contract is between Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 (Sourcewell) and Getac, Inc., 15495 Sand Canyon Ave., Suite 350, Irvine, CA 92618 (Supplier).

Sourcewell is a State of Minnesota local government unit and service cooperative created under the laws of the State of Minnesota (Minnesota Statutes Section 123A.21) that offers cooperative procurement solutions to government entities. Participation is open to eligible federal, state/province, and municipal governmental entities, higher education, K-12 education, nonprofit, tribal government, and other public entities located in the United States and Canada. Sourcewell issued a public solicitation for Law Enforcement Equipment from which Supplier was awarded a contract.

Supplier desires to contract with Sourcewell to provide equipment, products, or services to Sourcewell and the entities that access Sourcewell's cooperative purchasing contracts (Participating Entities).

1. TERM OF CONTRACT

A. EFFECTIVE DATE. This Contract is effective upon the date of the final signature below.

B. EXPIRATION DATE AND EXTENSION. This Contract expires November 7, 2026, unless it is cancelled sooner pursuant to Article 22. This Contract may be extended one additional year upon the request of Sourcewell and written agreement by Supplier.

C. SURVIVAL OF TERMS. Notwithstanding any expiration or termination of this Contract, all payment obligations incurred prior to expiration or termination will survive, as will the following: Articles 11 through 14 survive the expiration or cancellation of this Contract. All other rights will cease upon expiration or termination of this Contract.

2. EQUIPMENT, PRODUCTS, OR SERVICES

A. EQUIPMENT, PRODUCTS, OR SERVICES. Supplier will provide the Equipment, Products, or Services as stated in its Proposal submitted under the Solicitation Number listed above.

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Supplier's Equipment, Products, or Services Proposal (Proposal) is attached and incorporated into this Contract.

All Equipment and Products provided under this Contract must be new and the current model. Supplier may offer close-out or refurbished Equipment or Products if they are clearly indicated in Supplier's product and pricing list. Unless agreed to by the Participating Entities in advance, Equipment or Products must be delivered as operational to the Participating Entity's site.

This Contract offers an indefinite quantity of sales, and while substantial volume is anticipated, sales and sales volume are not guaranteed.

B. WARRANTY. Supplier warrants that all Equipment, Products, and Services furnished are free from liens and encumbrances, and are free from defects in materials and workmanship. In addition, Supplier warrants the Equipment, Products, and Services are suitable for and will perform in accordance with the ordinary use for which they are intended. Supplier's dealers and distributors must agree to assist the Participating Entity in reaching a resolution in any dispute over warranty terms with the manufacturer. Any manufacturer's warranty that extends beyond the expiration of the Supplier's warranty will be passed on to the Participating Entity.

C. DEALERS, DISTRIBUTORS, AND/OR RESELLERS. Upon Contract execution and throughout the Contract term, Supplier must provide to Sourcewell a current means to validate or authenticate Supplier's authorized dealers, distributors, or resellers relative to the Equipment, Products, and Services offered under this Contract, which will be incorporated into this Contract by reference. It is the Supplier's responsibility to ensure Sourcewell receives the most current information.

3. PRICING

All Equipment, Products, or Services under this Contract will be priced at or below the price stated in Supplier's Proposal.

When providing pricing quotes to Participating Entities, all pricing quoted must reflect a Participating Entity's total cost of acquisition. This means that the quoted cost is for delivered Equipment, Products, and Services that are operational for their intended purpose, and includes all costs to the Participating Entity's requested delivery location.

Regardless of the payment method chosen by the Participating Entity, the total cost associated with any purchase option of the Equipment, Products, or Services must always be disclosed in the pricing quote to the applicable Participating Entity at the time of purchase.

A. SHIPPING AND SHIPPING COSTS. All delivered Equipment and Products must be properly packaged. Damaged Equipment and Products may be rejected. If the damage is not readily apparent at the time of delivery, Supplier must permit the Equipment and Products to be

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returned within a reasonable time at no cost to Sourcewell or its Participating Entities. Participating Entities reserve the right to inspect the Equipment and Products at a reasonable time after delivery where circumstances or conditions prevent effective inspection of the Equipment and Products at the time of delivery. In the event of the delivery of nonconforming Equipment and Products, the Participating Entity will notify the Supplier as soon as possible and the Supplier will replace nonconforming Equipment and Products with conforming Equipment and Products that are acceptable to the Participating Entity.

Supplier must arrange for and pay for the return shipment on Equipment and Products that arrive in a defective or inoperable condition.

Sourcewell may declare the Supplier in breach of this Contract if the Supplier intentionally delivers substandard or inferior Equipment or Products.

B. SALES TAX. Each Participating Entity is responsible for supplying the Supplier with valid tax-exemption certification(s). When ordering, a Participating Entity must indicate if it is a tax-exempt entity.

C. HOT LIST PRICING. At any time during this Contract, Supplier may offer a specific selection of Equipment, Products, or Services at discounts greater than those listed in the Contract. When Supplier determines it will offer Hot List Pricing, it must be submitted electronically to Sourcewell in a line-item format. Equipment, Products, or Services may be added or removed from the Hot List at any time through a Sourcewell Price and Product Change Form as defined in Article 4 below.

Hot List program and pricing may also be used to discount and liquidate close-out and discontinued Equipment and Products as long as those close-out and discontinued items are clearly identified as such. Current ordering process and administrative fees apply. Hot List Pricing must be published and made available to all Participating Entities.

4. PRODUCT AND PRICING CHANGE REQUESTS

Supplier may request Equipment, Product, or Service changes, additions, or deletions at any time. All requests must be made in writing by submitting a signed Sourcewell Price and Product Change Request Form to the assigned Sourcewell Supplier Development Administrator. This approved form is available from the assigned Sourcewell Supplier Development Administrator. At a minimum, the request must:

- Identify the applicable Sourcewell contract number;
- Clearly specify the requested change;
- Provide sufficient detail to justify the requested change;

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- Individually list all Equipment, Products, or Services affected by the requested change, along with the requested change (e.g., addition, deletion, price change); and
- Include a complete restatement of pricing documentation in Microsoft Excel with the effective date of the modified pricing, or product addition or deletion. The new pricing restatement must include all Equipment, Products, and Services offered, even for those items where pricing remains unchanged.

A fully executed Sourcewell Price and Product Request Form will become an amendment to this Contract and will be incorporated by reference.

5. PARTICIPATION, CONTRACT ACCESS, AND PARTICIPATING ENTITY REQUIREMENTS

A. PARTICIPATION. Sourcewell's cooperative contracts are available and open to public and nonprofit entities across the United States and Canada; such as federal, state/province, municipal, K-12 and higher education, tribal government, and other public entities.

The benefits of this Contract should be available to all Participating Entities that can legally access the Equipment, Products, or Services under this Contract. A Participating Entity's authority to access this Contract is determined through its cooperative purchasing, interlocal, or joint powers laws. Any entity accessing benefits of this Contract will be considered a Service Member of Sourcewell during such time of access. Supplier understands that a Participating Entity's use of this Contract is at the Participating Entity's sole convenience and Participating Entities reserve the right to obtain like Equipment, Products, or Services from any other source.

Supplier is responsible for familiarizing its sales and service forces with Sourcewell contract use eligibility requirements and documentation and will encourage potential participating entities to join Sourcewell. Sourcewell reserves the right to add and remove Participating Entities to its roster during the term of this Contract.

B. PUBLIC FACILITIES. Supplier's employees may be required to perform work at government-owned facilities, including schools. Supplier's employees and agents must conduct themselves in a professional manner while on the premises, and in accordance with Participating Entity policies and procedures, and all applicable laws.

6. PARTICIPATING ENTITY USE AND PURCHASING

A. ORDERS AND PAYMENT. To access the contracted Equipment, Products, or Services under this Contract, a Participating Entity must clearly indicate to Supplier that it intends to access this Contract; however, order flow and procedure will be developed jointly between Sourcewell and Supplier. Typically, a Participating Entity will issue an order directly to Supplier or its authorized subsidiary, distributor, dealer, or reseller. If a Participating Entity issues a purchase order, it may use its own forms, but the purchase order should clearly note the applicable Sourcewell

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contract number. All Participating Entity orders under this Contract must be issued prior to expiration or cancellation of this Contract; however, Supplier performance, Participating Entity payment obligations, and any applicable warranty periods or other Supplier or Participating Entity obligations may extend beyond the term of this Contract.

Supplier's acceptable forms of payment are included in its attached Proposal. Participating Entities will be solely responsible for payment and Sourcewell will have no liability for any unpaid invoice of any Participating Entity.

B. ADDITIONAL TERMS AND CONDITIONS/PARTICIPATING ADDENDUM. Additional terms and conditions to a purchase order, or other required transaction documentation, may be negotiated between a Participating Entity and Supplier, such as job or industry-specific requirements, legal requirements (e.g., affirmative action or immigration status requirements), or specific local policy requirements. Some Participating Entities may require the use of a Participating Addendum, the terms of which will be negotiated directly between the Participating Entity and the Supplier or its authorized dealers, distributors, or resellers, as applicable. Any negotiated additional terms and conditions must never be less favorable to the Participating Entity than what is contained in this Contract.

C. SPECIALIZED SERVICE REQUIREMENTS. In the event that the Participating Entity requires service or specialized performance requirements not addressed in this Contract (such as e-commerce specifications, specialized delivery requirements, or other specifications and requirements), the Participating Entity and the Supplier may enter into a separate, standalone agreement, apart from this Contract. Sourcewell, including its agents and employees, will not be made a party to a claim for breach of such agreement.

D. TERMINATION OF ORDERS. Participating Entities may terminate an order, in whole or in part, immediately upon notice to Supplier in the event of any of the following events:

1. The Participating Entity fails to receive funding or appropriation from its governing body at levels sufficient to pay for the equipment, products, or services to be purchased; or
2. Federal, state, or provincial laws or regulations prohibit the purchase or change the Participating Entity's requirements.

E. GOVERNING LAW AND VENUE. The governing law and venue for any action related to a Participating Entity's order will be determined by the Participating Entity making the purchase.

7. CUSTOMER SERVICE

A. PRIMARY ACCOUNT REPRESENTATIVE. Supplier will assign an Account Representative to Sourcewell for this Contract and must provide prompt notice to Sourcewell if that person is changed. The Account Representative will be responsible for:

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- Maintenance and management of this Contract;
- Timely response to all Sourcewell and Participating Entity inquiries; and
- Business reviews to Sourcewell and Participating Entities, if applicable.

B. BUSINESS REVIEWS. Supplier must perform a minimum of one business review with Sourcewell per contract year. The business review will cover sales to Participating Entities, pricing and contract terms, administrative fees, sales data reports, performance issues, supply issues, customer issues, and any other necessary information.

8. REPORT ON CONTRACT SALES ACTIVITY AND ADMINISTRATIVE FEE PAYMENT

A. CONTRACT SALES ACTIVITY REPORT. Each calendar quarter, Supplier must provide a contract sales activity report (Report) to the Sourcewell Supplier Development Administrator assigned to this Contract. Reports are due no later than 45 days after the end of each calendar quarter. A Report must be provided regardless of the number or amount of sales during that quarter (i.e., if there are no sales, Supplier must submit a report indicating no sales were made).

The Report must contain the following fields:

- Participating Entity Name (e.g., City of Staples Highway Department);
- Participating Entity Physical Street Address;
- Participating Entity City;
- Participating Entity State/Province;
- Participating Entity Zip/Postal Code;
- Participating Entity Contact Name;
- Participating Entity Contact Email Address;
- Participating Entity Contact Telephone Number;
- Sourcewell Assigned Entity/Participating Entity Number;
- Item Purchased Description;
- Item Purchased Price;
- Sourcewell Administrative Fee Applied; and
- Date Purchase was invoiced/sale was recognized as revenue by Supplier.

B. ADMINISTRATIVE FEE. In consideration for the support and services provided by Sourcewell, the Supplier will pay an administrative fee to Sourcewell on all Equipment, Products, and Services provided to Participating Entities. The Administrative Fee must be included in, and not added to, the pricing. Supplier may not charge Participating Entities more than the contracted price to offset the Administrative Fee.

The Supplier will submit payment to Sourcewell for the percentage of administrative fee stated in the Proposal multiplied by the total sales of all Equipment, Products, and Services purchased

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by Participating Entities under this Contract during each calendar quarter. Payments should note the Supplier's name and Sourcewell-assigned contract number in the memo; and must be mailed to the address above "Attn: Accounts Receivable" or remitted electronically to Sourcewell's banking institution per Sourcewell's Finance department instructions. Payments must be received no later than 45 calendar days after the end of each calendar quarter.

Supplier agrees to cooperate with Sourcewell in auditing transactions under this Contract to ensure that the administrative fee is paid on all items purchased under this Contract.

In the event the Supplier is delinquent in any undisputed administrative fees, Sourcewell reserves the right to cancel this Contract and reject any proposal submitted by the Supplier in any subsequent solicitation. In the event this Contract is cancelled by either party prior to the Contract's expiration date, the administrative fee payment will be due no more than 30 days from the cancellation date.

9. AUTHORIZED REPRESENTATIVE

Sourcewell's Authorized Representative is its Chief Procurement Officer.

Supplier's Authorized Representative is the person named in the Supplier's Proposal. If Supplier's Authorized Representative changes at any time during this Contract, Supplier must promptly notify Sourcewell in writing.

10. AUDIT, ASSIGNMENT, AMENDMENTS, WAIVER, AND CONTRACT COMPLETE

A. AUDIT. Pursuant to Minnesota Statutes Section 16C.05, subdivision 5, the books, records, documents, and accounting procedures and practices relevant to this Contract are subject to examination by Sourcewell or the Minnesota State Auditor for a minimum of six years from the end of this Contract. This clause extends to Participating Entities as it relates to business conducted by that Participating Entity under this Contract.

B. ASSIGNMENT. Neither party may assign or otherwise transfer its rights or obligations under this Contract without the prior written consent of the other party and a fully executed assignment agreement. Such consent will not be unreasonably withheld. Any prohibited assignment will be invalid.

C. AMENDMENTS. Any amendment to this Contract must be in writing and will not be effective until it has been duly executed by the parties.

D. WAIVER. Failure by either party to take action or assert any right under this Contract will not be deemed a waiver of such right in the event of the continuation or repetition of the circumstances giving rise to such right. Any such waiver must be in writing and signed by the parties.

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E. CONTRACT COMPLETE. This Contract represents the complete agreement between the parties. No other understanding regarding this Contract, whether written or oral, may be used to bind either party. For any conflict between the attached Proposal and the terms set out in Articles 1-22 of this Contract, the terms of Articles 1-22 will govern.

F. RELATIONSHIP OF THE PARTIES. The relationship of the parties is one of independent contractors, each free to exercise judgment and discretion with regard to the conduct of their respective businesses. This Contract does not create a partnership, joint venture, or any other relationship such as master-servant, or principal-agent.

11. INDEMNITY AND HOLD HARMLESS

Supplier must indemnify, defend, save, and hold Sourcewell and its Participating Entities, including their agents and employees, harmless from any claims or causes of action, including attorneys' fees incurred by Sourcewell or its Participating Entities, arising out of any act or omission in the performance of this Contract by the Supplier or its agents or employees; this indemnification includes injury or death to person(s) or property alleged to have been caused by some defect in the Equipment, Products, or Services under this Contract to the extent the Equipment, Product, or Service has been used according to its specifications. Supplier is not liable in any event for consequential damages. Sourcewell's responsibility will be governed by the State of Minnesota's Tort Liability Act (Minnesota Statutes Chapter 466) and other applicable law.

12. GOVERNMENT DATA PRACTICES

Supplier and Sourcewell must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to all data provided by or provided to Sourcewell under this Contract and as it applies to all data created, collected, received, maintained, or disseminated by the Supplier under this Contract.

13. INTELLECTUAL PROPERTY, PUBLICITY, MARKETING, AND ENDORSEMENT

A. INTELLECTUAL PROPERTY

1. *Grant of License.* During the term of this Contract:

   a. Sourcewell grants to Supplier a royalty-free, worldwide, non-exclusive right and license to use the trademark(s) provided to Supplier by Sourcewell in advertising and promotional materials for the purpose of marketing Sourcewell's relationship with Supplier.

   b. Supplier grants to Sourcewell a royalty-free, worldwide, non-exclusive right and license to use Supplier's trademarks in advertising and promotional materials for the purpose of marketing Supplier's relationship with Sourcewell.

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2. *Limited Right of Sublicense*. The right and license granted herein includes a limited right of each party to grant sublicenses to their respective subsidiaries, distributors, dealers, resellers, marketing representatives, and agents (collectively "Permitted Sublicensees") in advertising and promotional materials for the purpose of marketing the Parties' relationship to Participating Entities. Any sublicense granted will be subject to the terms and conditions of this Article. Each party will be responsible for any breach of this Article by any of their respective sublicensees.

3. *Use; Quality Control.*

a. Neither party may alter the other party's trademarks from the form provided and must comply with removal requests as to specific uses of its trademarks or logos.

b. Each party agrees to use, and to cause its Permitted Sublicensees to use, the other party's trademarks only in good faith and in a dignified manner consistent with such party's use of the trademarks. Upon written notice to the breaching party, the breaching party has 30 days of the date of the written notice to cure the breach or the license will be terminated.

4. *Termination*. Upon the termination of this Contract for any reason, each party, including Permitted Sublicensees, will have 30 days to remove all Trademarks from signage, websites, and the like bearing the other party's name or logo (excepting Sourcewell's pre-printed catalog of suppliers which may be used until the next printing). Supplier must return all marketing and promotional materials, including signage, provided by Sourcewell, or dispose of it according to Sourcewell's written directions.

B. PUBLICITY. Any publicity regarding the subject matter of this Contract must not be released without prior written approval from the Authorized Representatives. Publicity includes notices, informational pamphlets, press releases, research, reports, signs, and similar public notices prepared by or for the Supplier individually or jointly with others, or any subcontractors, with respect to the program, publications, or services provided resulting from this Contract.

C. MARKETING. Any direct advertising, marketing, or offers with Participating Entities must be approved by Sourcewell. Send all approval requests to the Sourcewell Supplier Development Administrator assigned to this Contract.

D. ENDORSEMENT. The Supplier must not claim that Sourcewell endorses its Equipment, Products, or Services.

14. GOVERNING LAW, JURISDICTION, AND VENUE

The substantive and procedural laws of the State of Minnesota will govern this Contract. Venue for all legal proceedings arising out of this Contract, or its breach, must be in the appropriate state court in Todd County, Minnesota or federal court in Fergus Falls, Minnesota.

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15. FORCE MAJEURE

Neither party to this Contract will be held responsible for delay or default caused by acts of God or other conditions that are beyond that party's reasonable control. A party defaulting under this provision must provide the other party prompt written notice of the default.

16. SEVERABILITY

If any provision of this Contract is found by a court of competent jurisdiction to be illegal, unenforceable, or void then both parties will be relieved from all obligations arising from that provision. If the remainder of this Contract is capable of being performed, it will not be affected by such determination or finding and must be fully performed.

17. PERFORMANCE, DEFAULT, AND REMEDIES

A. PERFORMANCE. During the term of this Contract, the parties will monitor performance and address unresolved contract issues as follows:

1. *Notification.* The parties must promptly notify each other of any known dispute and work in good faith to resolve such dispute within a reasonable period of time. If necessary, Sourcewell and the Supplier will jointly develop a short briefing document that describes the issue(s), relevant impact, and positions of both parties.
2. *Escalation.* If parties are unable to resolve the issue in a timely manner, as specified above, either Sourcewell or Supplier may escalate the resolution of the issue to a higher level of management. The Supplier will have 30 calendar days to cure an outstanding issue.
3. *Performance while Dispute is Pending*. Notwithstanding the existence of a dispute, the Supplier must continue without delay to carry out all of its responsibilities under the Contract that are not affected by the dispute. If the Supplier fails to continue without delay to perform its responsibilities under the Contract, in the accomplishment of all undisputed work, the Supplier will bear any additional costs, with the exception of consequential damages, incurred by Sourcewell and/or its Participating Entities as a result of such failure to proceed.

B. DEFAULT AND REMEDIES. Either of the following constitutes cause to declare this Contract, or any Participating Entity order under this Contract, in default:

1. Nonperformance of contractual requirements, or
2. A material breach of any term or condition of this Contract.

The party claiming default must provide written notice of the default, with 30 calendar days to cure the default. Time allowed for cure will not diminish or eliminate any liability for liquidated or other damages. If the default remains after the opportunity for cure, the non-defaulting party may:

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- Exercise any remedy provided by law or equity, or
- Terminate the Contract or any portion thereof, including any orders issued against the Contract.

18. INSURANCE

A. REQUIREMENTS. At its own expense, Supplier must maintain insurance policy(ies) in effect at all times during the performance of this Contract with insurance company(ies) licensed or authorized to do business in the State of Minnesota having an "AM BEST" rating of A- or better, with coverage and limits of insurance not less than the following:

1. *Workers' Compensation and Employer's Liability.*
Workers' Compensation: As required by any applicable law or regulation.
Employer's Liability Insurance: must be provided in amounts not less than listed below:
Minimum limits:
$500,000 each accident for bodily injury by accident
$500,000 policy limit for bodily injury by disease
$500,000 each employee for bodily injury by disease

2. *Commercial General Liability Insurance.* Supplier will maintain insurance covering its operations, with coverage on an occurrence basis, and must be subject to terms no less broad than the Insurance Services Office ("ISO") Commercial General Liability Form CG0001 (2001 or newer edition), or equivalent. At a minimum, coverage must include liability arising from premises, operations, bodily injury and property damage, independent contractors, products-completed operations including construction defect, contractual liability, blanket contractual liability, and personal injury and advertising injury. All required limits, terms and conditions of coverage must be maintained during the term of this Contract.
Minimum Limits:
$1,000,000 each occurrence Bodily Injury and Property Damage
$1,000,000 Personal and Advertising Injury
$2,000,000 aggregate for products liability-completed operations
$2,000,000 general aggregate

3. *Commercial Automobile Liability Insurance.* During the term of this Contract, Supplier will maintain insurance covering all owned, hired, and non-owned automobiles in limits of liability not less than indicated below. The coverage must be subject to terms no less broad than ISO Business Auto Coverage Form CA 0001 (2010 edition or newer), or equivalent.
Minimum Limits:
$1,000,000 each accident, combined single limit

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4. *Umbrella Insurance*. During the term of this Contract, Supplier will maintain umbrella coverage over Employer's Liability, Commercial General Liability, and Commercial Automobile.

Minimum Limits:
$2,000,000

5. *Network Security and Privacy Liability Insurance*. During the term of this Contract, Supplier will maintain coverage for network security and privacy liability. The coverage may be endorsed on another form of liability coverage or written on a standalone policy. The insurance must cover claims which may arise from failure of Supplier's security resulting in, but not limited to, computer attacks, unauthorized access, disclosure of not public data – including but not limited to, confidential or private information, transmission of a computer virus, or denial of service.

Minimum limits:
$2,000,000 per occurrence
$2,000,000 annual aggregate

Failure of Supplier to maintain the required insurance will constitute a material breach entitling Sourcewell to immediately terminate this Contract for default.

B. CERTIFICATES OF INSURANCE. Prior to commencing under this Contract, Supplier must furnish to Sourcewell a certificate of insurance, as evidence of the insurance required under this Contract. Prior to expiration of the policy(ies), renewal certificates must be mailed to Sourcewell, 202 12th Street Northeast, P.O. Box 219, Staples, MN 56479 or sent to the Sourcewell Supplier Development Administrator assigned to this Contract. The certificates must be signed by a person authorized by the insurer(s) to bind coverage on their behalf.

Failure to request certificates of insurance by Sourcewell, or failure of Supplier to provide certificates of insurance, in no way limits or relieves Supplier of its duties and responsibilities in this Contract.

C. ADDITIONAL INSURED ENDORSEMENT AND PRIMARY AND NON-CONTRIBUTORY INSURANCE CLAUSE. Supplier agrees to list Sourcewell and its Participating Entities, including their officers, agents, and employees, as an additional insured under the Supplier's commercial general liability insurance policy with respect to liability arising out of activities, "operations," or "work" performed by or on behalf of Supplier, and products and completed operations of Supplier. The policy provision(s) or endorsement(s) must further provide that coverage is primary and not excess over or contributory with any other valid, applicable, and collectible insurance or self-insurance in force for the additional insureds.

D. WAIVER OF SUBROGATION. Supplier waives and must require (by endorsement or otherwise) all its insurers to waive subrogation rights against Sourcewell and other additional insureds for losses paid under the insurance policies required by this Contract or other

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insurance applicable to the Supplier or its subcontractors. The waiver must apply to all deductibles and/or self-insured retentions applicable to the required or any other insurance maintained by the Supplier or its subcontractors. Where permitted by law, Supplier must require similar written express waivers of subrogation and insurance clauses from each of its subcontractors.

E. UMBRELLA/EXCESS LIABILITY/SELF-INSURED RETENTION. The limits required by this Contract can be met by either providing a primary policy or in combination with umbrella/excess liability policy(ies), or self-insured retention.

19. COMPLIANCE

A. LAWS AND REGULATIONS. All Equipment, Products, or Services provided under this Contract must comply fully with applicable federal laws and regulations, and with the laws in the states and provinces in which the Equipment, Products, or Services are sold.

B. LICENSES. Supplier must maintain a valid and current status on all required federal, state/provincial, and local licenses, bonds, and permits required for the operation of the business that the Supplier conducts with Sourcewell and Participating Entities.

20. BANKRUPTCY, DEBARMENT, OR SUSPENSION CERTIFICATION

Supplier certifies and warrants that it is not in bankruptcy or that it has previously disclosed in writing certain information to Sourcewell related to bankruptcy actions. If at any time during this Contract Supplier declares bankruptcy, Supplier must immediately notify Sourcewell in writing.

Supplier certifies and warrants that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Supplier certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this Contract. Supplier further warrants that it will provide immediate written notice to Sourcewell if this certification changes at any time.

21. PROVISIONS FOR NON-UNITED STATES FEDERAL ENTITY PROCUREMENTS UNDER UNITED STATES FEDERAL AWARDS OR OTHER AWARDS

Participating Entities that use United States federal grant or FEMA funds to purchase goods or services from this Contract may be subject to additional requirements including the procurement standards of the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards, 2 C.F.R. § 200. Participating Entities may have additional requirements based on specific funding source terms or conditions. Within this Article, all

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references to “federal” should be interpreted to mean the United States federal government. The following list only applies when a Participating Entity accesses Supplier’s Equipment, Products, or Services with United States federal funds.

A. EQUAL EMPLOYMENT OPPORTUNITY. Except as otherwise provided under 41 C.F.R. § 60, all contracts that meet the definition of “federally assisted construction contract” in 41 C.F.R. § 60-1.3 must include the equal opportunity clause provided under 41 C.F.R. §60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 C.F.R. §, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 C.F.R. § 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.” The equal opportunity clause is incorporated herein by reference.

B. DAVIS-BACON ACT, AS AMENDED (40 U.S.C. § 3141-3148). When required by federal program legislation, all prime construction contracts in excess of $2,000 awarded by non-federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. § 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 C.F.R. § 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-federal entity must report all suspected or reported violations to the federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. § 3145), as supplemented by Department of Labor regulations (29 C.F.R. § 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-federal entity must report all suspected or reported violations to the federal awarding agency. Supplier must be in compliance with all applicable Davis-Bacon Act provisions.

C. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (40 U.S.C. § 3701-3708). Where applicable, all contracts awarded by the non-federal entity in excess of $100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §§ 3702 and 3704, as supplemented by Department of Labor regulations (29 C.F.R. § 5). Under 40 U.S.C. § 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of

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not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. § 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence. This provision is hereby incorporated by reference into this Contract. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

D. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT. If the federal award meets the definition of "funding agreement" under 37 C.F.R. § 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 C.F.R. § 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency. Supplier certifies that during the term of an award for all contracts by Sourcewell resulting from this procurement process, Supplier must comply with applicable requirements as referenced above.

E. CLEAN AIR ACT (42 U.S.C. § 7401-7671Q.) AND THE FEDERAL WATER POLLUTION CONTROL ACT (33 U.S.C. § 1251-1387). Contracts and subgrants of amounts in excess of $150,000 require the non-federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. § 7401- 7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251- 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA). Supplier certifies that during the term of this Contract will comply with applicable requirements as referenced above.

F. DEBARMENT AND SUSPENSION (EXECUTIVE ORDERS 12549 AND 12689). A contract award (see 2 C.F.R. § 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 C.F.R. §180 that implement Executive Orders 12549 (3 C.F.R. § 1986 Comp., p. 189) and 12689 (3 C.F.R. § 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549. Supplier certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency.

G. BYRD ANTI-LOBBYING AMENDMENT, AS AMENDED (31 U.S.C. § 1352). Suppliers must file any required certifications. Suppliers must not have used federal appropriated funds to pay any

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person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Suppliers must disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier up to the non-federal award. Suppliers must file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352).

H. RECORD RETENTION REQUIREMENTS. To the extent applicable, Supplier must comply with the record retention requirements detailed in 2 C.F.R. § 200.333. The Supplier further certifies that it will retain all records as required by 2 C.F.R. § 200.333 for a period of 3 years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

I. ENERGY POLICY AND CONSERVATION ACT COMPLIANCE. To the extent applicable, Supplier must comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

J. BUY AMERICAN PROVISIONS COMPLIANCE. To the extent applicable, Supplier must comply with all applicable provisions of the Buy American Act. Purchases made in accordance with the Buy American Act must follow the applicable procurement rules calling for free and open competition.

K. ACCESS TO RECORDS (2 C.F.R. § 200.336). Supplier agrees that duly authorized representatives of a federal agency must have access to any books, documents, papers and records of Supplier that are directly pertinent to Supplier's discharge of its obligations under this Contract for the purpose of making audits, examinations, excerpts, and transcriptions. The right also includes timely and reasonable access to Supplier's personnel for the purpose of interview and discussion relating to such documents.

L. PROCUREMENT OF RECOVERED MATERIALS (2 C.F.R. § 200.322). A non-federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 C.F.R. § 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired during the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

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M. FEDERAL SEAL(S), LOGOS, AND FLAGS. The Supplier cannot use the seal(s), logos, crests, or reproductions of flags or likenesses of Federal agency officials without specific pre-approval.

N. NO OBLIGATION BY FEDERAL GOVERNMENT. The U.S. federal government is not a party to this Contract or any purchase by a Participating Entity and is not subject to any obligations or liabilities to the Participating Entity, Supplier, or any other party pertaining to any matter resulting from the Contract or any purchase by an authorized user.

O. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS. The Contractor acknowledges that 31 U.S.C. 38 (Administrative Remedies for False Claims and Statements) applies to the Supplier's actions pertaining to this Contract or any purchase by a Participating Entity.

P. FEDERAL DEBT. The Supplier certifies that it is non-delinquent in its repayment of any federal debt. Examples of relevant debt include delinquent payroll and other taxes, audit disallowance, and benefit overpayments.

Q. CONFLICTS OF INTEREST. The Supplier must notify the U.S. Office of General Services, Sourcewell, and Participating Entity as soon as possible if this Contract or any aspect related to the anticipated work under this Contract raises an actual or potential conflict of interest (as described in 2 C.F.R. Part 200). The Supplier must explain the actual or potential conflict in writing in sufficient detail so that the U.S. Office of General Services, Sourcewell, and Participating Entity are able to assess the actual or potential conflict; and provide any additional information as necessary or requested.

R. U.S. EXECUTIVE ORDER 13224. The Supplier, and its subcontractors, must comply with U.S. Executive Order 13224 and U.S. Laws that prohibit transactions with and provision of resources and support to individuals and organizations associated with terrorism.

S. PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT. To the extent applicable, Supplier certifies that during the term of this Contract it will comply with applicable requirements of 2 C.F.R. § 200.216.

T. DOMESTIC PREFERENCES FOR PROCUREMENTS. To the extent applicable, Supplier certifies that during the term of this Contract will comply with applicable requirements of 2 C.F.R. § 200.322.

22. CANCELLATION

Sourcewell or Supplier may cancel this Contract at any time, with or without cause, upon 60 days' written notice to the other party. However, Sourcewell may cancel this Contract immediately upon discovery of a material defect in any certification made in Supplier's

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Proposal. Cancellation of this Contract does not relieve either party of financial, product, or service obligations incurred or accrued prior to cancellation.

Sourcewell	Getac, Inc.
DocuSigned by: Jeremy Schwartz C0FD2A139D06489...	DocuSigned by: Hsin Jung-Lu 4E90B6ECEFC0448...
By: _____	By: _____
Jeremy Schwartz	Hsin Jung-Lu
Title: Chief Procurement Officer	Title: VP Finance & Business Services
Date: 11/2/2022 | 9:06 PM CDT	Date: 11/9/2022 | 6:52 PM PST

Approved:

DocuSigned by: Chad Coauette 7E42B8F817A64CC...

By: _____

Chad Coauette

Title: Executive Director/CEO

Date: 11/9/2022 | 9:00 PM CST

RFP 090122 - Law Enforcement Equipment

Vendor Details

Company Name:	Getac, Inc.
Does your company conduct business under any other name? If yes, please state:	Getac Video Solutions
Address:	15495 Sand Canyon Drive Suite 350 Irvine, CA 92618
Contact:	Tammy Tubbs
Email:	contract.administrator_us@getac.com
Phone:	949-217-8939
Fax:	949-217-8939
HST#:	954547422

Submission Details

Created On:	Tuesday August 09, 2022 14:05:13
Submitted On:	Wednesday August 31, 2022 13:26:16
Submitted By:	Tammy Tubbs
Email:	contract.administrator_us@getac.com
Transaction #:	8ea9ceaa-33c7-4c2e-8e79-8184a5443ff2
Submitter's IP Address:	76.82.4.103

Specifications

Table 1: Proposer Identity & Authorized Representatives

General Instructions (applies to all Tables) Sourcewell prefers a brief but thorough response to each question. Do not merely attach additional documents to your response without also providing a substantive response. Do not leave answers blank; respond “N/A” if the question does not apply to you (preferably with an explanation).

Line Item	Question	Response *	
1	Proposer Legal Name (one legal entity only): (In the event of award, will execute the resulting contract as "Supplier")	Getac, Inc.	*
2	Identify all subsidiary entities of the Proposer whose equipment, products, or services are included in the Proposal.	N/A	*
3	Identify all applicable assumed names or DBA names of the Proposer or Proposer's subsidiaries in Line 1 or Line 2 above.	N/A	*
4	Provide your CAGE code or Unique Entity Identifier (SAM):	00PP6	*
5	Proposer Physical Address:	15495 Sand Canyon Ave Suite 350, Irvine CA 92618	*
6	Proposer website address (or addresses):	www.getac.com/us	*
7	Proposer's Authorized Representative (name, title, address, email address & phone) (The representative must have authority to sign the “Proposer’s Assurance of Compliance” on behalf of the Proposer and, in the event of award, will be expected to execute the resulting contract):	Hsin Jung-Lu; VP Finance & Business Services, 15495 Sand Canyon Ave, Suite 350, Irvine CA 92618, hj.lu@getac.com, (949) 681-2949	*
8	Proposer's primary contact for this proposal (name, title, address, email address & phone):	Tammy Tubbs, Capture Manager, tammy.tubbs@getac.com, (949) 217-8939	*
9	Proposer's other contacts for this proposal, if any (name, title, address, email address & phone):	Maria Gutierrez, Contract Administrator, contract.administrator_us@getac.com, (949) 247-4114	

Table 2: Company Information and Financial Strength

Line Item	Question	Response *	
10	Provide a brief history of your company, including your company's core values, business philosophy, and industry longevity related to the requested equipment, products or services.	For over 30 years, Getac has worked collaboratively with Resellers and End Users to identify, consult, develop, and deploy rugged computing solutions across a wide range of sectors; such as public safety, warehousing, transportation, manufacturing, utility, telecom and military / defense. As the 2nd largest rugged IT manufacturer in the world, Getac is tremendously proud of the impacts we have made in helping leverage technology to support the changing role of mobile data terminals in various government entities and our goal is to provide solutions that enhance operations and reduce total cost of rugged mobile data terminal ownership. Getac's current lineup of products include 8 rugged laptops and 8 rugged tablets that feature a rang of screen sizes and features to meet the need of all rugged users.	*
11	What are your company's expectations in the event of an award?	As a Sourcewell contract holder, Getac plans to utilize this cooperative contract to support a more efficient procurement method for our thousands of customers. We understand the time and cost associated with competitive bidding and look to reduce this procurement challenge for our customers across the US and Canada. We are eager to utilize a robust marketing and training plan to introduce Sourcewell to our customers as a viable procurement method for future procurements.	*
12	Demonstrate your financial strength and stability with meaningful data. This could include such items as financial statements, SEC filings, credit and bond ratings, letters of credit, and detailed reference letters. Upload supporting documents (as applicable) in the document upload section of your response.	Sine 2016, Getac has consistently grown in sales from $130M in 2016 to $200M in 2021. Please see "Getac Financial Review" document attached. You may also view our past financial reports at https://en.getacgroup.com/investors/reports.php	*
13	What is your US market share for the solutions that you are proposing?	Getac currently maintains over 60% market share in the Federal space to include DoD and maintains 35% market share across rugged laptops, tablets, and related accessories and peripherals.	*
14	What is your Canadian market share for the solutions that you are proposing?	Getac currently maintains over 25% market share in the rugged laptops and tablet space in Canada.	*
15	Has your business ever petitioned for bankruptcy protection? If so, explain in detail.	No.	*
16	How is your organization best described: is it a manufacturer, a distributor/dealer/reseller, or a service provider? Answer whichever question (either a) or b) just below) best applies to your organization. a) If your company is best described as a distributor/dealer/reseller (or similar entity), provide your written authorization to act as a distributor/dealer/reseller for the manufacturer of the products proposed in this RFP. If applicable, is your dealer network independent or company owned? b) If your company is best described as a manufacturer or service provider, describe your relationship with your sales and service force and with your dealer network in delivering the products and services proposed in this RFP. Are these individuals your employees, or the employees of a third party?	As an Original Equipment Manufacturer (OEM) since 1989, Getac has been providing rugged computing solutions for demanding professionals in extreme environments. Getac was established as a joint venture with GE Aerospace to supply defense electronic products. As the 2nd largest rugged manufacturer in the world, with sales over $41.3B, Getac is an industry leader in the rugged IT space. Rugged is all we do! We have also established key partnerships with major MDT providers like Havis, Gamber Johnson, Lind, Absolute, and Getac Video Solutions to entire our products have an ecosystem that support an effective and efficient end user solution. We have over 120 North American-based employees that provide Sales, Service and Support to the Getac customer and utilize a strong lineup of 1100+ certified resellers to work directly with the end user and/or customer to ensure the best value rugged IT solution for the buyer.	*
17	If applicable, provide a detailed explanation outlining the licenses and certifications that are both required to be held, and actually held, by your organization (including third parties and subcontractors that you use) in pursuit of the business contemplated by this RFP.	As a manufacturer, Getac is ISO 9001 and ISO 14001 certified. All of our devices also carry a MIL-STD 810H certification (required to officially be called "rugged") and are Ingress Protection (IP) rated for protections against sand, liquids, and other ingress damage. All Getac devices are EPEAT certified Bronze or better to ensure energy efficiency and carry all necessary US and Canadian UL certification. Our device also maintain the NETREADY designation for us across emergency service communication channels.	*
18	Provide all "Suspension or Debarment" information that has applied to your organization during the past ten years.	N/A	*

Table 3: Industry Recognition & Marketplace Success

Line Item	Question	Response *	
19	Describe any relevant industry awards or recognition that your company has received in the past five years	PCMag -- Best Rugged Laptops for 2022 5/3/22 https://www.pcmag.com/picks/the-best-rugged-laptops?test_uuid=06r4MYCu5PZzCkufjQSV3po&test_variant=b PCMag – F110 - 4 Stars 5/2/22 https://www.pcmag.com/reviews/getac-f110-2022 NotebookCheck – S410 Gen 4 5/19/22 https://www.notebookcheck.net/Getac-S410-Gen-4-laptop-review-Simple-changes-with-huge-upgrades.608357.0.html Laptop – S410 – 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-s410-review Laptop – K120- 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-k120-review Notebook Check – B360 1/10/22 https://www.notebookcheck.net/Getac-B360-rugged-laptop-review-Bright-1400-nit-touchscreen.590220.0.html PCMag – S410 – 4 Stars 10/7/21 https://www.pcmag.com/reviews/getac-s410-g4 ZDNet Video – Best Rugged Tablets 7/26/21 https://www.zdnet.com/video/top-5-best-rugged-tablets-in-2021/ RuggedPC Review – B360 5G 6/23/21 https://www.ruggedpcreview.com/3_news_2021_06_23_getac.html Rugged PC Review – K120 – 4/28/21 https://www.ruggedpcreview.com/3_news_2021_04_28_getac.html PCMag – B360 – 4 Stars Editor's Choice – 8/11/20 https://www.pcmag.com/reviews/getac-b360 PCMag -- Best Rugged Laptops for 2022 5/3/22 https://www.pcmag.com/picks/the-best-rugged-laptops?test_uuid=06r4MYCu5PZzCkufjQSV3po&test_variant=b PCMag – F110 - 4 Stars 5/2/22 https://www.pcmag.com/reviews/getac-f110-2022 NotebookCheck – S410 Gen 4 5/19/22 https://www.notebookcheck.net/Getac-S410-Gen-4-laptop-review-Simple-changes-with-huge-upgrades.608357.0.html Laptop – S410 – 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-s410-review Laptop – K120- 4 Stars - Editor's Choice 1/18/22 https://www.laptopmag.com/reviews/getac-k120-review Notebook Check – B360 1/10/22 https://www.notebookcheck.net/Getac-B360-rugged-laptop-review-Bright-1400-nit-touchscreen.590220.0.html PCMag – S410 – 4 Stars 10/7/21 https://www.pcmag.com/reviews/getac-s410-g4 ZDNet Video – Best Rugged Tablets 7/26/21 https://www.zdnet.com/video/top-5-best-rugged-tablets-in-2021/ RuggedPC Review – B360 5G 6/23/21 https://www.ruggedpcreview.com/3_news_2021_06_23_getac.html Rugged PC Review – K120 – 4/28/21 https://www.ruggedpcreview.com/3_news_2021_04_28_getac.html	*

		PCMag – B360 – 4 Stars Editor's Choice – 8/11/20 https://www.pcmag.com/reviews/getac-b360 PCMag -- Best Rugged Laptops for 2022 5/3/22, Laptop – S410 – 4 Stars - Editor's Choice 1/18/22, Laptop – K120- 4 Stars - Editor's Choice 1/18/22, ZDNet Video – Best Rugged Tablets 7/26/21 https://www.zdnet.com/video/top-5-best-rugged-tablets-in-2021/, PCMag – B360 – 4 Stars Editor's Choice – 8/11/20 https://www.pcmag.com/reviews/getac-b360	
20	What percentage of your sales are to the governmental sector in the past three years	60% of our $566M in sales over the past three years (2019 - 2021) are government sector sales.	*
21	What percentage of your sales are to the education sector in the past three years	10% of our $566M in sales over the past three years (2019-2021) are education sector sales	*
22	List any state, provincial, or cooperative purchasing contracts that you hold. What is the annual sales volume for each of these contracts over the past three years?	State Contracts: (1) MS 2019 - $890K, 2020 - $1.3M, 2021 - $630K; (2) NC 2019 - $258K, 2020 - $193K, 2021 - $163K; (3) NY 2019 - $132K, 2020 - $395K, 2021 - $154K; COOP Contracts: N/A; Currently awaiting NASPO award and OMNIA Award; We utilize our distributors, HP and SYNNEX cooperative contracts in conjunction with our certified reseller contract awards.	*
23	List any GSA contracts or Standing Offers and Supply Arrangements (SOSA) that you hold. What is the annual sales volume for each of these contracts over the past three years?	As the OEM, we do not directly hold a GSA contract but our products are listed by our Reseller partners and can be found on the following GSA Schedules; Group F- F02 (formerly Schedule 70).	*

Table 4: References/Testimonials

Line Item 24. Supply reference information from three customers who are eligible to be Sourcewell participating entities.

Entity Name *	Contact Name *	Phone Number *	
Las Vegas Metro Police Department	Mandy Berninger	702.828.3111	*
Florida Fish and Wildlife Commission	Elija Padron	863.648.3832	*
Metro Nashville Police Department	Tom Thorson	615.862.7446	*

Table 5: Top Five Government or Education Customers

Line Item 25. Provide a list of your top five government, education, or non-profit customers (entity name is optional), including entity type, the state or province the entity is located in, scope of the project(s), size of transaction(s), and dollar volumes from the past three years.

Entity Name	Entity Type *	State / Province *	Scope of Work *	Size of Transactions *	Dollar Volume Past Three Years *	
Las Vegas Metro Police Department	Government	Nevada - NV	Rugged laptops and/or tablets for all LVMPD mobile units, including car, motorcycle, horse, and bicycle	Over 40 purchase orders from 10 - 300+ qty since 2017	$2,900,000+	*
San Bernardino County Sheriff's Office	Government	California - CA	Rugged laptops and/or tablets for all SB County mobile units, including car, motorcycle and bicycle	Over 60 purchase orders from 5 - 400+ qty since 2015	$3,400,000+	*
Florida Fish and Wildlife	Government	Florida - FL	Rugged laptops and/or tablets for all mobile units, including car, motorcycle, bicycle and boat	Over 10 purchase orders from 22 - 80+ qty since 2018	$3,200,000+	*
Canadian National Defense	Government	QC - Quebec	On National Military Standing Offer (NMSO) contract to provide rugged laptops and tablets to defense personnel for command and control, mission planning, flightline maintenance and tactical communication.	Over 30+ purchase orders from 5 - 320 qty since 2017	$3,100,000+	*
United States Air Force	Government	Alabama - AL	On USAF IT contract (currently QEB) to provide contract to provide rugged laptops and tablets to AF personnel for command and control, mission planning, flightline maintenance, situational awareness and tactical communication.	Over 30+ purchase orders from 5 - 400 qty since 2018	$3,800,000+	*

Table 6: Ability to Sell and Deliver Service

Describe your company’s capability to meet the needs of Sourcewell participating entities across the US and Canada, as applicable. Your response should address in detail at least the following areas: locations of your network of sales and service providers, the number of workers (full-time equivalents) involved in each sector, whether these workers are your direct employees (or employees of a third party), and any overlap between the sales and service functions.

Line Item	Question	Response *	
26	Sales force.	Getac sales force is led by Larry D'Onofrio and supports North America Public Sector sales including all organizations covered by the Sourcewell Cooperative. Larry's team include 12 Regional Sales Managers (RSMs), geographically assigned and posses over 146 years of Rugged Information Technology sales experience. Our RSMs work directly with national and regional certified resellers and end users to develop the best value information technology rugged solution for the interested organization.	*

27	Dealer network or other distribution methods.	Our certified reseller network includes over 1100 Getac certified resellers, including large, small, and diversity business networks. A brief listing of successful Getac resellers include: Brite Datasource Mobility PCN Strategies *DuraTech USA *SHI *GST NWN Barcodes Island Tech Services Cas Severn Glacier Computing *Mobile Rugged Computers Ramco Rugged RCN Midwest Public Safety *USC Canterbury *Preferred Communications Compar Code 3 Insight Howard CDW *Companies identified with current diversity qualifications.	*
28	Service force.	Getac Service force is led by Derek Suzuki and a team of over thirty US-based developers, engineers, technical support specialists, field service specialist. Getac also maintains an Order Operations 12-member team led by Cheryl Wynkoop and provides purchasing manager order fulfillment specialists, demo loan specialists, and order operations specialists to ensure a seamless order experience from receipt of PO to customer delivery. All Getac Service tools and reports are available to the end user on our 24/7 Customer Portal.	*
29	Describe the ordering process. If orders will be handled by distributors, dealers or others, explain the respective roles of the Proposer and others.	When an end user shows an interest in purchasing Getac equipment, we will assign certified regional reseller to support the development of the SKU# and Purchase Order. Once Getac has received the PO from the reseller, we will place the order with our factory and coordinate delivery and installation (if necessary). All Getac customers will have a Getac RSM and Reseller POC assigned to each sale.	*

30	Describe in detail the process and procedure of your customer service program, if applicable. Include your response-time capabilities and commitments, as well as any incentives that help your providers meet your stated service goals or promises.	a. In Service Warranty - Customer support is available by calling 1-866-394-3822 or email at Getac.Support@Getac.com. End user may initiate all in-warranty requests by logging in to the Service Portal at https://support.getac.com/Portal/SetLanguage?languageCode=us. b. Out of Warranty (OOW) Services - Should a hardware problem arise requiring service for an out of warranty device our customer can follow this simple process. 1. Visit https://usrma.Getac.com/ and register as a new user 2. Once logged in, a customer will select Create Service request and Follow the prompts 3. Customers may generate a quote and save it to their account for 30 days 4. Once the quote is paid for on the Portal, an RMA is issued along with shipping labels. 5. All prices include time and material plus round-trip shipping Customer Complaints and Service-related Issues – Initial complaints and service-related issues are handled through Getac's Level 1 Technical Support. If an issue which requires escalation, a Getac Level 2/3 Technical Support Representative or Professional Services Manager will take over the case through resolution. An acknowledgement with appropriate follow up communication should take place throughout the research until resolution. Response Time (pre-CV19/Post CV19) – Getac provides technical support for Getac branded product for the following hours of operations: • Level 1 Technical Support is offered 7 days a week x 24 hours per day x 365 days a year. This would consist of basic troubleshooting, product use and service questions. • Level 2 Technical Support is offered from 8am – 6pm ET, M – F, excluding holiday / Response time when escalated from Level 1 is within 4 business hours. • Level 3 Technical Support is available from 7am – 6pm PT M-F, excluding holidays / Response time when escalated from Level 2 is by next business day. Case Management - All complaints received via email or phone call are captured in Getac's case management software and each customer contact is time stamped. Each escalation has a running time capture with escalation notification sent to all team members. This ensures the fastest response from the first available resource (Level 2/3, Prof Svc Mgr) to address the issue.	*
31	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in the United States.	As the second largest rugged laptop and tablet manufacturer in the world, Getac is proud to provide our rugged lineup of products to the Sourcewell participating entities. We are unique to the IT industry because "Rugged Is All We Do." Since 1989, Getac has sought to grow our North American presence and the use of cooperative contracts like Sourcewell, provides efficient and cost effective procurement opportunities for our nations' public sector and non-profit industry. Getac is prepared for additional growth this contract may afford and is currently operating our total manufacturing capability at 70%.	*
32	Describe your ability and willingness to provide your products and services to Sourcewell participating entities in Canada.	Our Getac sales force and support include Canadian assets including Regional Sales Managers and Certified Repair Centers centrally located in Canada.	*
33	Identify any geographic areas of the United States or Canada that you will NOT be fully serving through the proposed contract.	Getac currently supports all geographic area of the United States and Canada.	*
34	Identify any Sourcewell participating entity sectors (i.e., government, education, not-for-profit) that you will NOT be fully serving through the proposed contract. Explain in detail. For example, does your company have only a regional presence, or do other cooperative purchasing contracts limit your ability to promote another contract?	Getac does not forsee any issues servicing the Sourcewell participating entity sectors.	*
35	Define any specific contract requirements or restrictions that would apply to our participating entities in Hawaii and Alaska and in US Territories.	Getac does not have any specific contract requirements or restrictions that would apply to participating entities in Alaska, Hawaii, or other US Territories.	*

Table 7: Marketing Plan

Line Item	Question	Response *	

36	Describe your marketing strategy for promoting this contract opportunity. Upload representative samples of your marketing materials (if applicable) in the document upload section of your response.	Upon contract award for the new Contract, Getac plans to promote the contract award through internal and external communications as approved by the Agreement Administrator. The goal of marketing the contract is not only to communicate the value proposition, benefits, and the Sourcewell and Getac story, but also to emphasize Getac's commitment and flexibility in delivering and promoting Sourcewell and/or State-specific standards and savings as appropriate and approved by the Agreement Administrator and the participating agencies. To ensure effective marketing plan execution, the Getac Contract Representative, with the collaboration of the Agreement Administrator and designated participating agencies, will develop a plan annually that will help in promoting contract awareness and value for the contract. Getac looks forward to reviewing and discussing the proposed plan with after award.	*
37	Describe your use of technology and digital data (e.g., social media, metadata usage) to enhance marketing effectiveness.	The Marketing plan will include several key features: Press Release: Getac will collaborate with the designated Agreement Administrator and other designated contacts to prepare and distribute a press release, after approval, announcing the contract award to Getac. Once a press release is written and approved, and with permission, Getac will manage all efforts with the media. The press release will be sent to all government industry publications and released over the business wire for pickup by major media. Getac will also leverage the announcement over social media sites to include LinkedIn, Facebook, and Twitter. As required under the contract, all marketing materials will be provided for review, modification and approval prior to distribution. Communication will not be released without approval in writing from the Agreement Administrator. Advertising: Getac will drive contract awareness and product/service promotions under the contract through Getac web banners on https://www.getac.com/us/ and our Platinum Tier Certified Resellers promoting the contract value proposition and product/service promotions through web banners provides an opportunity to reach a large audience of procuring entities. Web banners have a "call to action" inviting the reader to contact Getac URL for pricing and information. Getac will distribute periodic email newsletters and promotions to eligible procuring entities throughout the contract term. These email promotions will provide the most current ongoing promotions. As required under the contract, all marketing materials will be provided to the Agreement Administrator for review, modification and approval prior to distribution. Communication will not be released without approval in writing from the Agreement Administrator. Web Presence: The Getac Sourcewell contract website that is in development with a potential landing page named https://sourcewell.getac.us/ will offer customers extensive information on the contract, products, certified resellers, warranty, pricing and more. Getac will continue to make improvements throughout the contract term to provide information to potential Sourcewell procurement entities. The website will provide a dropdown menu of the participating agencies and guide the user to a state specific page to facilitate procurement efforts. Each state website will be personalized, as allowed by and as approved by the Participating Agencies Procurement official, to meet the needs of the organization and maintain the approved format.	*
38	In your view, what is Sourcewell's role in promoting contracts arising out of this RFP? How will you integrate a Sourcewell-awarded contract into your sales process?	Marketing Events & Forums: Getac will participate in annual marketing events annually and attend other Sourcewell events. The Getac Primary Account Representative will attend events along with the Contract Program Management team and potential management team members. The Getac Primary Account Representative and other Program Management team members will meet with participating agencies throughout the year to review participating agencies marketing plans and events, which may include management. Getac, in partnership with our Platinum tiered certified resellers, may schedule seminars in local major cities to review the latest IT trends and new Getac products with both local agencies and Getac authorized partners. Getac will work with the Agreement Administrator, designated Sourcewell teams and/or participating agencies to make them aware of these events or schedule additional seminar events or Webinars. Events will provide important information to agencies on contracts specifics including product scope, ordering information, price lists, and how to save more using this contract. As allowed and approved by the Agreement Administrator, Getac agency-approved partners can assist in the marketing activities in this section to promote the contract through telemarketing/email/social media campaigns, events and distribution of Agreement Administrator approved marketing documents. This will allow Getac to reach even more agencies for contract awareness.	*
39	Are your products or services available through an e-procurement ordering process? If so, describe your e-procurement system and how governmental and educational customers have used it.	Due to the highly customized nature of each and every rugged laptop and tablet Getac manufacturers, we do not offer E-procurement service for initial procurement. Once a Getac customer, customers will be provided a User Log In to purchase additional accessories, peripherals as needed and approved under the terms of the contract.	*

Table 8: Value-Added Attributes

Line Item	Question	Response *	
40	Describe any product, equipment, maintenance, or operator training programs that you offer to Sourcewell participating entities. Include details, such as whether training is standard or optional, who provides training, and any costs that apply.	All Getac products will come with an operating manual and access to training materials via the online customer portal at no additional cost to the buyer. Getac may also be able to provide additional training and support as requested at no additional cost to the procurement agency.	*
41	Describe any technological advances that your proposed products or services offer.	1. Our revolutionary LumiBond® 2.0 touchscreen technology, which bonds the display glass with the touch panel and LCD, creating a single pane that is more durable and readable, and offers better contrast and more crisp colors than other rugged laptop display. It features four advanced touch modes (Touch, Glove or Pen mode, plus an optional Digitizer mode), and the included hard-tip stylus enables you to capture signatures and take more precise notes on drawings, maps, or forms. 2. Main chassis structure is precision cast using Magnesium Alloy, an incredibly strong structural metal that also happens to be one of the lightest in the world for its strength. We combined that with an advanced rugged polymer in areas of less impact and rubberized absorption polymer at the main points of contact. Our devices have been independently tested and certified to MIL-STD-810H and MIL-STD461G standards. 3. Hot-swappable dual-battery design allows for potentially everlasting, uninterrupted battery life. This enables you to remove one of the two rechargeable batteries and replace it with a fresh battery without ever shutting down apps or your Windows OS. 4. AT&T FirstNet Ready®, offers an easy-to-carry profile, a comfortable touchscreen, and more power to run your general office and industry-specific applications with ease for first responders. 5. Most of our models' offer the newest and fastest wired and wireless connection options available. Thunderbolt™ 4 offers 40 Gbps data sharing with other devices, while Wi-Fi 6 (802.11ax) offers nearly five times speedier WLAN connectivity than the previous generation, and more reliability in dense deployments. The new Bluetooth 5.2 standard enhances connectivity with various Low-Power Wide-Area (LPWA) devices, while Wireless WAN with integrated GPS/GLONASS receiver, incorporating the latest Sierra Wireless module, delivers advanced air interface connectivity, including LTE-Advanced (LTE-A). 6. All Getac devices come with an entire lineup of accessories and peripherals including multiple battery charging stations, hands straps and holders, detachable keyboards, stylus' just to name a few.	*
42	Describe any “green” initiatives that relate to your company or to your products or services, and include a list of the certifying agency for each.	In response to the trend of international environmental protection, such as the requirements of product greening, toxic free, hazard free and environmentally friendly design, packaging, and recyclability, the Company has developed "Regulations for Getac Environmental Load Control" and "Getac Green Product Operating Procedures" and other related operating procedures and regulations, to actively promote overall product greening internally, and require all Getac suppliers to cooperate with the requirements of Getac environmental control regulations, not only to meet the requirements specified in the domestic and international environmental protection laws and regulations, so that the products can be successfully marketed globally, but also with stricter demand of self-expectation to meet the requirements of customers, while fulfilling the corporate responsibility and emphasizing the importance of environmental protection. We are also making it easier for customers to reduce waste by designing easily recyclable products and working with our Certified reseller partners to offer environmentally friendly packaging services and solutions for large scale device deployments.	*
43	Identify any third-party issued eco-labels, ratings or certifications that your company has received for the equipment or products included in your Proposal related to energy efficiency or conservation, life-cycle design (cradle-to-cradle), or other green/sustainability factors.	Getac cares about the environment. We have implemented strict policies to ensure our material parts, products, packing and manufacturing processes are environmentally friendly. We are proud to partner with organizations around the globe to bring awareness and help implement solutions to the environmental issues the world is facing. As a certified green manufacturer Getac has been independently tested and received environmental certifications including EPEAT®, RoHS Directive, REACH Regulation, and ENERGY STAR®. We believe in, and actively pursue innovation that will continue to lessen the environmental impact of electronics manufacturing to improve the quality of human life and protect the planet. Getac has set the Company's environmental policy with the goal of “Care for Environment, Sustainable Recycling,” clearly set for cherishing the earth's resources, complying with national environmental laws and regulations. Getac is committed to promoting green production, fulfilling our responsibility to protect the earth, through standard operation procedures; we include water resources management, energy management, wastewater, waste, and air pollution prevention in our daily management. All Getac's factories scrupulously abide by the environmental laws and regulations of the plant locations, and all factories have obtained the environmental management system certification of ISO14001 or the same level, and all plants have completed the new version certification of ISO14001:2015 at the end of 2019.	*

44	Describe any Women or Minority Business Entity (WMBE), Small Business Entity (SBE), or veteran owned business certifications that your company or hub partners have obtained. Upload documentation of certification (as applicable) in the document upload section of your response.	N/A	*
45	What unique attributes does your company, your products, or your services offer to Sourcewell participating entities? What makes your proposed solutions unique in your industry as it applies to Sourcewell participating entities?	As an OEM, Getac is the only global rugged IT manufacturer that builds every device from the ground up. Our ability to forecast sales and manufacturer in spite of global market supply fluctuations ensures our customer have the fastest delivery time available in the industry. Despite global supply chain issues in 2020 and 2021, Getac has maintained a <60 day delivery timeline as our competitors are regularly shipping at 120 - 180 days after receipt of purchase order.	*

Table 9: Warranty

Describe in detail your manufacturer warranty program, including conditions and requirements to qualify, claims procedure, and overall structure. You may upload representative samples of your warranty materials (if applicable) in the document upload section of your response in addition to responding to the questions below.

Line Item	Question	Response *	
46	Do your warranties cover all products, parts, and labor?	Our S410 comes standard with a Limited 3 Year Warranty and all other products come standard with a 3 Year Bumper to Bumper Warranty that includes accidental coverage. Additional warranty for Year 4/5/6 may be purchased for an additional fee. Getacs warranty obligations for this hardware product are limited to the terms set forth below: Getac, Inc. warrants this Getac-branded rugged computer against defects in materials and workmanship under normal use and damage that occurs due to accidental acts and exposure to environmental conditions for a period of THREE (3) YEARS from the date of purchase by the original end-user purchaser (“Warranty Period”). This warranty only applies to products sold by Getac or its Authorized Distributors or Dealers and only where the products are used and serviced within North America or its Authorized Service Providers’ territories. Warranty coverage only applies to service carried out by a Getac Authorized Service Provider. If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, Getac will either repair the defect at no charge, using new or refurbished replacement parts, or exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. A replacement product or part, including a user installable part that has been installed in accordance with instructions provided by Getac, assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement product becomes your property and the replaced item becomes Getacs property. Parts provided by Getac in fulfillment of its warranty obligation must be used in products for which warranty service is claimed. Please review "Warranty Card" attached for additional warranty information.	*

47	Do your warranties impose usage restrictions or other limitations that adversely affect coverage?	Exclusions and Limitations - This Limited Warranty applies only to Getac-branded hardware products manufactured by or for Getac that can be identified by the “Getac” trademark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-Getac hardware products, co-branded hardware products (whether or not displaying a “powered by Getac” trademark, trade name, or logo affixed to them) or any software, even if packaged or sold with Getac hardware. Manufacturers, suppliers, or publishers, other than Getac, may provide their own warranties to the end user purchaser, but Getac, in so far as permitted by law, provides their products “as is”. Software distributed by Getac with or without the Getac brand name (including, but not limited to system software) is not covered under this Limited Warranty. Refer to the licensing agreement accompanying the software for details of your rights with respect to its use. Getac does not warrant that the operation of the product will be uninterrupted or error-free. Getac is not responsible for damage arising from failure to follow instructions relating to the product’s use. Batteries supplied with the product are covered under the warranty for one (1) year from date of purchase. A battery furnished under the warranty is covered for the remaining period of the one year warranty on the original battery or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. The LCD, touchscreen, hard drive/SSD, motherboard, and keyboard are limited to one repair/replacement per part component per 12 month period for damage that occurs due to accidental acts and exposure to environmental conditions. This warranty does not apply to: (a) loss or theft; (b) fire; (c) submersion; (d) acts of god; (e) acts of war; (f) virus-inflicted damage; (g) improper use, intentional misuse or abuse; (h) improper maintenance or modification by anyone other than Getac or a Getac Authorized Service Provider; (i) a product or part that has been modified to alter functionality or capability without the written permission of Getac; (j) a product on which any Getac serial number has been removed or defaced; (k) data recovery from hard drive failure; (l) All consumable items; such as screen protection films, logo badges, labels, cleaning cloths, carry cases, manuals, cables, straps, belts, holsters, tethers, stylus, digitizer pens, and harnesses and any other options and accessories not listed above or covered under a separate warranty. (m) to cosmetic damage that does not affect the functionality of the system, including but not limited to scratches, dents and numerals, letters, icons and symbols silkscreened onto unit keycaps and numerals, letters, icons and symbols silkscreened onto unit cabinet; or (n) negligence (o) operation of product outside the published environmental or electrical parameters (p) use of supplies or parts not meeting Getac’s specifications Please review "Warranty Card" attached for restrictions and other limitations.	*

48	Do your warranties cover the expense of technicians' travel time and mileage to perform warranty repairs?	Technicians do not need to travel to perform warranty repairs. Warranty Repair Description - Getac offers an industry-leading warranty (bumper-to-bumper) on our products for a minimum of 3-years (semi-rugged product require service upgrade), which includes accidental damage. With one of the lowest annual failure rates in the computer industry, Getac computers are built-to-survive. If one does need repair, we want to make it as convenient as possible. That's why Getac rugged computers are serviced by FedEx Logistics - a fast, convenient and reliable service so you can quickly get back to doing what you do best. For minor repairs, Getac's Self-Maintainer Program lets customers opt to have replacement parts shipped directly to them. Device Support - Getac employs a multi-layered support structure, at no cost to the End User that includes a Solutions Architect, Field Service Engineer, and a 3-Tier Technical Support team. In addition, Getac's 24/7 technical support is available via email at GetacSupport_US@Getac.com or by phone at +1 (866) EZ-GETAC [+1 (866) 394-3822]. All support requests via phone or email are logged in our internal ticketing system and assigned to the appropriate resource. Escalation to product or software engineering is engaged as needed. The Getac Service Portal allows real-time tracking of hardware repairs and history. For technical support incidents, a ticket # is generated for every request and on-going and final resolution can be obtained by referring to previously assigned ticket #. Getac does not use "off-shore" technical support.	*

49	Are there any geographic regions of the United States or Canada (as applicable) for which you cannot provide a certified technician to perform warranty repairs? How will Sourcewell participating entities in these regions be provided service for warranty repair?	No. Getac repair services are available in US and Canada. For Level I/II Repairs – Getac Self-Maintainer Program empowers in house technicians to provide immediate services to defective unit for minor repairs. For Level I and Level II repairs, the Getac Self-Maintainer Program allows you to perform warranty repairs on Getac products. Instead of shipping products to Getac's US-based Repair Center, the defective part can be swapped out by your own technicians. This allows you keep possession of your products and minimize downtime. Self-Maintainer repairs include all parts, and materials at no additional cost. Common cosmetic repairs like hatch door replacement are also included. Getac provides training for your team as part of the Self- Maintainer Program with an emphasis on parts replacement, product use and Getac's Service System processing. Upon successful completion of training, Getac supplies you an initial stock of seed parts to inventory at your location. When a repair is needed, your technician diagnoses the problem, creates an RMA in Getac's Online Service System (GSS) then removes the required part from Getac consigned inventory and repairs the unit. To replenish the inventory, simply place the defective part in the used part box, put a copy of the RMA inside, write the RMA number on the outside of the box and return it to Getac. Upon receipt of the defective part, Getac will ship out a replacement part to you. When you receive the new part, place it into inventory for future repairs. To ensure our high standard for repair is met, Getac has established the following qualification requirements for the Self-Maintainer Program: • Repairs are limited to customer owned product—150-unit minimum • Must be a current Getac USA customer in good business standing • Must have Service and Spare Parts Agreement in place with Getac • Must have qualified technicians on staff capable of repairing Getac products • Must have a dedicated environment and tools appropriate to repair products • Maintain product repair information and problem codes in the Getac Service Portal for product tracking and spare part replenishment Level III Repairs - FedEx TechConnect Program was designed to offer fast, convenient, reliable service repairs that can be initiated 24 hours a day, 7 days a week on Getac Service Portal. With one of the lowest annual failure rates in the computer industry, Getac computers are built to survive. If one does need repair beyond the Level I & Level II Self-Maintainer program, we want to make it as convenient as possible. Getac has partnered with FedEx TechConnect, a fast, convenient, reliable service repair center located in Memphis, TN. The End-of- runway location ensures shorter time in transit for express shipments and 3 day or less transit by FedEx Ground for most of the US. Warranty repairs can be initiated 24 hours a day, 7 days a week on the Getac service portal. With over 1,800 FedEx Office locations nationwide, it's easy to find a convenient drop-off location to and US-based end user. Once the device is shipped to the end of runway state of the art facility, technology repair specialists, certified by Getac, provide diagnostics, repair, re-image and upgrade services with quality assurance methodologies designed to verify that everything is working properly. All Getac warranty repairs are performed by expert technicians using only Getac original production parts. Every repair comes with online three-stage tracking of the inbound shipment to the repair center, during repair or upgrade, and the return shipment back to the designated location. With the 24/7 online monitored chain of custody, your system is always either with FedEx or you. Average repair time, excluding shipping, is 3.1 days.	*
50	Will you cover warranty service for items made by other manufacturers that are part of your proposal, or are these warranties issues typically passed on to the original equipment manufacturer?	All Third Party products warranty will be passed to the original equipment manufacturer. Third Party Product Warranty Services – All third-party product warranty procurement processes, descriptions, and contact information will be available on a link at the Sourcewell/Getac website under Third Party products.	*

51	What are your proposed exchange and return programs and policies?	In accordance with generally accepted rugged manufacturing return and exchange policies, Getac does not allow exchanges or returns on any delivered products. each product is custom made-to-order and will only be promptly replaced if it arrives Dead-On-Arrival (DOA). Getac RSMs and certified resellers take great care to support the buyer through the procurement process to ensure the exact device(s) order meet and/or exceed all desired end user specifications.	*

52	Describe any service contract options for the items included in your proposal.	Additional Accessory/Service Warranty Details Peripherals - Getac peripherals come with at least 1-year warranty as standard. However, should you wish to extend the warranty on your Getac device, it makes sense to do the same for your peripherals. • We can offer extensions to year 2 ~ 5 from the standard warranty on Getac or 3rd party accessory, keyboard, docks and rugged power supplies. • If your accessory fails, log onto our Getac Service Portal and request a repair. Once returned, your accessory will be repaired, tested and shipped back to you. • If you work to a longer refresh cycle or are looking to extend your current devices working life email us at GetacSupport_US@Getac.com or by phone at +1 (866) EZ-GETAC [+1 (866) 394-3822] to discuss additional warranty extensions options. Batteries - We pride ourselves on the quality of batteries and their ability to perform throughout a full day. However, batteries are considered to be “consumable” as there are limitations on the recharge cycles of all batteries. Since batteries are consumable products, the industry standard and that of Getac is to provide a 1-year warranty. • You can extend this with our Battery Warranty so that should it fail we will send you a replacement battery. • A battery is considered good if it maintains 50% of its charge capacity during the warranty period. Expedited Service - For customers who want their mission-critical equipment repaired faster, we have two options for expedited service available for an additional fee. No more internal challenges waiting for estimates and approvals, just report your product issue via our Service Request system and we’ll take care of the rest Option 1 - Express Care Option 2 - Priority Care 2 Days Shipping Overnight Shipping Line Hopping Priority Front of Queue Priority 2 Days Repair 1 Day Repair To ensure that our high standard for repair is met, Getac has established the following qualification requirements for the Expedited Service Program: • Must purchase Expedited Service Program with Getac product at the same time. • All purchases are recorded in the Getac Service System. When devices need repair, register the service request (SR), which will automatically generate expedited service information in SR. • Getac provides a 3-year expedited service for 3-year warranty products, and provides a 5-year expedited service for 5-year warranty products. • Accessories are not included in this program Extended Warranty - Extend your standard warranty from 3 years up to 5 years, for specific projects we can offer up to 7 years of extended warranty. Getac’s standard warranty for fully rugged devices includes the Bumper-to-Bumper warranty which covers accidental damage. The Extended Warranty covers any repairs in the same manner as the standard warranty. • Getac provides coverage for failures due to defects in materials or workmanship that occur with normal use. • All system components are covered under the extended warranty, except consumable items. • Purchase the Extended Warranty option at the point of sale or within 3 months of purchasing your Getac device. Keep Your Hard Drive Warranty (KYHW) - Getac is experienced in dealing with security-industry customers that require top-level security to protect the data on their devices. For these customers, we can ship you a replacement HDD / SSD. • Getac takes reasonable precautions to protect your data while it is in our hands. However, some customers’ devices hold sensitive data that they cannot take any risks. Keep Your Hard Drive warranty option is designed for these customers. If you handle data of a sensitive nature, for national security or commercial reasons, then add this to your warranty.	*

Table 10: Payment Terms and Financing Options

Line Item	Question	Response *	
53	Describe your payment terms and accepted payment methods.	The value-added reseller partners supporting this contract have specific focuses on State and Local Government entities. These partners are aligned with the Getac Public Sector team and receive additional support from Getac's Field Sales organization. This alignment ensures partners have the proper support and competence to master the requirements set forth by the partnering government end users. The appointed resellers include large national organizations as well as local partners who often provide additional services around product deployment and implementation of Getac devices. These value- added resellers will work directly with the participating agencies to provide both pre- and post- sales support, quotes, as well as installation and implementation services. Getac's value-added resellers will be the primary points of contact for acceptance of orders, invoicing, and payment. Payment terms are generally Net30. These value-added resellers will source all Getac solutions and services through Getac's appointed distribution partners, who have a direct purchasing relationship with Getac, the manufacturer. Upon receiving a fully executed purchase order from the government end user, the value-added reseller will issue purchase order to one of the appointed distributor partners. The purchase order to distribution will include a copy of the end customer's purchase order for the purpose of tracking and reporting as indicated below.	*
54	Describe any leasing or financing options available for use by educational or governmental entities.	Paul Levand Vice-President of Business Development "On the North Coast of America" 216-496-6711 plevand@rivercapital.com | www.rivercapital.com	*
55	Describe any standard transaction documents that you propose to use in connection with an awarded contract (order forms, terms and conditions, service level agreements, etc.). Upload a sample of each (as applicable) in the document upload section of your response.	Getac is prepared to accept the buyers standard transaction documents and do use any mandatory forms, SLAs or T&Cs in connection with award.	*
56	Do you accept the P-card procurement and payment process? If so, is there any additional cost to Sourcewell participating entities for using this process?	No. ACH preferred method of payment.	*

Table 11: Pricing and Delivery

Provide detailed pricing information in the questions that follow below. Keep in mind that reasonable price and product adjustments can be made during the term of an awarded Contract as described in the RFP, the template Contract, and the Sourcewell Price and Product Change Request Form.

Line Item	Question	Response *	
57	Describe your pricing model (e.g., line-item discounts or product-category discounts). Provide detailed pricing data (including standard or list pricing and the Sourcewell discounted price) on all of the items that you want Sourcewell to consider as part of your RFP response. If applicable, provide a SKU for each item in your proposal. Upload your pricing materials (if applicable) in the document upload section of your response.	Getac will provide a minimum discount off MSRP by Category. Additional discounts may be offered at the discretion of the certified Getac reseller. See" Getac Proposed Pricing Sheet" for additional details.	*
58	Quantify the pricing discount represented by the pricing proposal in this response. For example, if the pricing in your response represents a percentage discount from MSRP or list, state the percentage or percentage range.	Getac pricing sheet includes SKU, Description, MSRP, % Off Discount by Category, and Proposed Sourcewell NTE price. See "Getac Proposed Pricing Sheet."	*
59	Describe any quantity or volume discounts or rebate programs that you offer.	Getac does not offer quantity or volume discounts or rebate programs. They may be offered by the certified reseller.	*
60	Propose a method of facilitating “sourced” products or related services, which may be referred to as “open market” items or “nonstandard options”. For example, you may supply such items “at cost” or “at cost plus a percentage,” or you may supply a quote for each such request.	Getac does not sell open market items and only sells Getac labeled products and related accessories and peripherals. All SKUs and descriptions and NLT price can be reviewed on the "Getac Proposed Pricing Sheet."	*
61	Identify any element of the total cost of acquisition that is NOT included in the pricing submitted with your response. This includes all additional charges associated with a purchase that are not directly identified as freight or shipping charges. For example, list costs for items like pre-delivery inspection, installation, set up, mandatory training, or initial inspection. Identify any parties that impose such costs and their relationship to the Proposer.	Getac does not have additional costs associated with the purchase of items identified in the "Getac Proposed Pricing Sheet."	*
62	If freight, delivery, or shipping is an additional cost to the Sourcewell participating entity, describe in detail the complete freight, shipping, and delivery program.	Freight, delivery and/or shipping is included in the price of the device.	*
63	Specifically describe freight, shipping, and delivery terms or programs available for Alaska, Hawaii, Canada, or any offshore delivery.	Freight, delivery and/or shipping is included in the price of the device.	*
64	Describe any unique distribution and/or delivery methods or options offered in your proposal.	N/A	*

Table 12: Pricing Offered

Line Item	The Pricing Offered in this Proposal is: *	Comments
65	b. the same as the Proposer typically offers to GPOs, cooperative procurement organizations, or state purchasing departments.	

Table 13: Audit and Administrative Fee

Line Item	Question	Response *	
66	Specifically describe any self-audit process or program that you plan to employ to verify compliance with your proposed Contract with Sourcewell. This process includes ensuring that Sourcewell participating entities obtain the proper pricing, that the Vendor reports all sales under the Contract each quarter, and that the Vendor remits the proper administrative fee to Sourcewell. Provide sufficient detail to support your ability to report quarterly sales to Sourcewell as described in the Contract template.	Upon award, GETAC will have a master price file/catalog set up that include the guaranteed category discounts along with the scope of products allowed under the contract and thresholds tied to each part number as approved by the Administrator defined in the awarded Master Agreement. During each setup process, these price files are reviewed by contract and pricing operations personnel for accuracy as part of GETAC's contract compliance and pricing management business processes. These same reviews and approvals occur each time a product is added, or a contract modification is received. GETAC's price file/catalog of products under each category is tied systematically to the MSRP list price and tied to the discounts that automatically pre-calculate the price file/catalog in accordance with the discount that is reflected and flowed to the contract website and the Inside Sales Representatives' quoting tool. The GETAC system that houses the price list/catalogs were recently audited to ensure compliance, and GETAC agrees to conduct random checks during the term of to ensure quotes provided are at the discount off list price he contracts as required. Getac will conduct a quarterly self-audit, that will sample a minimum of one tenth of one percent (.001) of orders with a maximum of 100 audits per quarter conducted. For example: Up to 1,000 sales = 1 audit; 10,000 sales = 10 audits; Up to 100,000 sales = 100 audits. This will be a random sample of orders and invoices and must include documentation of pricing. Summary findings will be reported to Lead Agency with actions to correct documented findings. GETAC audits purchase orders and corresponding invoices randomly on a quarterly basis under existing contracts today and will continue this process under a new awarded contract. The website, quotes and invoices generated through GETAC systems are based on the contract number tied to a specific price file/catalog for pricing and systematically flows. GETAC agrees to conduct random checks during the term of the contract as required. Quotes automatically reflect the discount off GETAC's list price as required under the contract, and invoices will reflect the lowest price at the time the product ships. If an order is received for GETAC-branded product and a price decrease was generated prior to shipment, the procuring entity will receive the price decrease reflected on the invoice, providing them additional savings.	*
67	If you are awarded a contract, provide a few examples of internal metrics that will be tracked to measure whether you are having success with the contract.	The Contract Administrator will be responsible to provide quarterly and annual sales reports to Getac leadership team and cooridnate with our training and marketing teams to produce materials to encourage Sourcewell contract use. After the first year baseline sales, the Contract administrator with direction from the Executive team, will establish increase sales goals and RSMs will be expected to meet sales goals in order to achieve the highest level of annual bonus payouts.	*
68	Identify a proposed administrative fee that you will pay to Sourcewell for facilitating, managing, and promoting the Sourcewell Contract in the event that you are awarded a Contract. This fee is typically calculated as a percentage of Vendor's sales under the Contract or as a per-unit fee; it is not a line-item addition to the Member's cost of goods. (See the RFP and template Contract for additional details.)	1.25%	*

Table 14A: Depth and Breadth of Offered Equipment Products and Services

Line Item	Question	Response *	
69	Provide a detailed description of the equipment, products, and services that you are offering in your proposal.	Getac offers rugged computing product lines of all sizes including rugged notebooks, rugged tablets, rugged handheld for federal, education, military, public sector, utility, manufacturing, transportation & logistics, insurance, automotive maintenance, and field-service customers. Currently Getac has over 19,300 devices valued at $82.5M deployed in Federal Government (Non-Military), including transit authorities, public utilities and services, emergency preparedness organizations, judicial support and services and other NGOs. Getac currently manufacturers Rugged Laptops ranging in screen size from 11.6" to 15.6." Getac currently manufactures Rugged Tablets and Handheld PCs ranging in screen size from 7" to 14" and has both Windows and Android OS available. Please review the "Getac Lineup Card" for detailed specifications for each device proposed in this RFB.	*
70	Within this RFP category there may be subcategories of solutions. List subcategory titles that best describe your products and services.	We do not wish to add subcategories. We have listed our products based on minimum specifications identified in the RFP. We will have an "Accessory/Peripheral" category. See below. Rugged Laptop Category - X600, X500, B360, S410, V110 Rugged Tablet Category - A140, K120, F110, UX10, T800 Rugged Handheld PC Category - ZX10, ZX70(Android OS) Accessories/Peripherals - Power Adapters, Stylus Pens, Digitizer Pen, Carry Bag, Dual Battery Charger, High Capacity Battery, Keyboard Dock, Multi-Bay Charger, Office Dock, Hand strap, Shoulder strap, Screen Protector, Standard battery, Vehicle dock	*

Table 148: Depth and 8readth of Offered Equipment Products and Services

Indicate below if the listed types or classes of equipment, products, and services are offered within your proposal. Provide additional comments in the text box provided, as necessary.

Line Item	Category or Type	Offered	Comments	
71	Law Enforcement duty gear	○ Yes ◉ No	N/A	*
72	Traffic safety enforcement equipment, devices, and instruments	◉ Yes ○ No	Getac solutions are built to improve upon the computer-aided dispatch software (CAD) and police records management system (RMS) you already use. Writing citations, collision reports, and DUI arrest reports has never been easier thanks to Getac solutions. With our rugged devices, you can write, sync, and submit all the documents required from the field electronically, saving time, and reducing errors. Getac rugged devices are built with law enforcement in mind, providing you access to information to stay situationally aware as you protect and serve. Whether on patrol or during an emergency, Getac devices allow you to remain in contact with command, dispatch, and your fellow officers to make sure everyone is safe and informed.	*
73	Crime scene management and evidence collection equipment and supplies	○ Yes ◉ No	N/A	*
74	Tactical and EOD equipment (with the exception of those items excluded in subsections 2. or 3. of RFP)	◉ Yes ○ No	ANSI rated rugged devices available for EOD environments	*
75	Services related to the offering of the solutions in subsections above, such as training, installation, testing, maintenance, warranty programs, and technical support	○ Yes ◉ No	N/A	*

Exceptions to Terms, Conditions, or Specifications Form

Only those Proposer Exceptions to Terms, Conditions, or Specifications that have been accepted by Sourcewell have been incorporated into the contract text.

Documents

Ensure your submission document(s) conforms to the following:

1. Documents in PDF format are preferred. Documents in Word, Excel, or compatible formats may also be provided.

2. Documents should NOT have a security password, as Sourcewell may not be able to open the file. It is your sole responsibility to ensure that the uploaded document(s) are not either defective, corrupted or blank and that the documents can be opened and viewed by Sourcewell.

3. Sourcewell may reject any response where any document(s) cannot be opened and viewed by Sourcewell.

4. If you need to upload more than one (1) document for a single item, you should combine the documents into one zipped file. If the zipped file contains more than one (1) document, ensure each document is named, in relation to the submission format item responding to. For example, if responding to the Marketing Plan category save the document as "Marketing Plan."

- Pricing - Sourcewell Pricing Page_Final.pdf - Wednesday August 31, 2022 13:23:12
- Financial Strength and Stability - Financial Review Form.pdf - Tuesday August 09, 2022 14:38:46
- Marketing Plan/Samples - Marketing Plan.pdf - Wednesday August 31, 2022 12:37:18
- WMBE/MBE/SBE or Related Certificates (optional)
- Warranty Information - Warranty Details.pdf - Tuesday August 09, 2022 17:33:13
- Standard Transaction Document Samples - Sample Quote.pdf - Wednesday August 31, 2022 11:28:20
- Upload Additional Document - Getac-All in One-US-July2022.pdf - Wednesday August 10, 2022 17:29:18

Addenda, Terms and Conditions

PROPOSER AFFIDAVIT AND ASSURANCE OF COMPLIANCE

I certify that I am the authorized representative of the Proposer submitting the foregoing Proposal with the legal authority to bind the Proposer to this Affidavit and Assurance of Compliance:

1. The Proposer is submitting this Proposal under its full and complete legal name, and the Proposer legally exists in good standing in the jurisdiction of its residence.

2. The Proposer warrants that the information provided in this Proposal is true, correct, and reliable for purposes of evaluation for contract award.

3. The Proposer, including any person assisting with the creation of this Proposal, has arrived at this Proposal independently and the Proposal has been created without colluding with any other person, company, or parties that have or will submit a proposal under this solicitation; and the Proposal has in all respects been created fairly without any fraud or dishonesty. The Proposer has not directly or indirectly entered into any agreement or arrangement with any person or business in an effort to influence any part of this solicitation or operations of a resulting contract; and the Proposer has not taken any action in restraint of free trade or competitiveness in connection with this solicitation. Additionally, if Proposer has worked with a consultant on the Proposal, the consultant (an individual or a company) has not assisted any other entity that has submitted or will submit a proposal for this solicitation.

4. To the best of its knowledge and belief, and except as otherwise disclosed in the Proposal, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest. An organizational conflict of interest exists when a vendor has an unfair competitive advantage or the vendor's objectivity in performing the contract is, or might be, impaired.

5. The contents of the Proposal have not been communicated by the Proposer or its employees or agents to any person not an employee or legally authorized agent of the Proposer and will not be communicated to any such persons prior to Due Date of this solicitation.

6. If awarded a contract, the Proposer will provide to Sourcewell Participating Entities the equipment, products, and services in accordance with the terms, conditions, and scope of a resulting contract.

7. The Proposer possesses, or will possess before delivering any equipment, products, or services, all applicable licenses or certifications necessary to deliver such equipment, products, or services under any resulting contract.

8. The Proposer agrees to deliver equipment, products, and services through valid contracts, purchase orders, or means that are acceptable to Sourcewell Members. Unless otherwise agreed to, the Proposer must provide only new and first-quality products and related services to Sourcewell Members under an awarded Contract.

9. The Proposer will comply with all applicable provisions of federal, state, and local laws, regulations, rules, and orders.

10. The Proposer understands that Sourcewell will reject RFP proposals that are marked "confidential" (or "nonpublic," etc.), either substantially or in their entirety. Under Minnesota Statutes Section 13.591, subdivision 4, all proposals are considered nonpublic data until the evaluation is complete and a Contract is awarded. At that point, proposals become public data. Minnesota Statutes Section 13.37 permits only certain narrowly defined data to be considered a "trade secret," and thus nonpublic data under Minnesota's Data Practices Act.

11. Proposer its employees, agents, and subcontractors are not:
    1. Included on the "Specially Designated Nationals and Blocked Persons" list maintained by the Office of Foreign Assets Control of the United States Department of the Treasury found at: https://www.treasury.gov/ofac/downloads/sdnlist.pdf;

    2. Included on the government-wide exclusions lists in the United States System for Award Management found at: https://sam.gov/SAM/; or

    3. Presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from programs operated

by the State of Minnesota; the United States federal government or the Canadian government, as applicable; or any Participating Entity. Vendor certifies and warrants that neither it nor its principals have been convicted of a criminal offense related to the subject matter of this solicitation.

☑ By checking this box I acknowledge that I am bound by the terms of the Proposer's Affidavit, have the legal authority to submit this Proposal on behalf of the Proposer, and that this electronic acknowledgment has the same legal effect, validity, and enforceability as if I had hand signed the Proposal. This signature will not be denied such legal effect, validity, or enforceability solely because an electronic signature or electronic record was used in its formation. - Tammy Tubbs, Capture Manager, Getac, Inc.

The Proposer declares that there is an actual or potential Conflict of Interest relating to the preparation of its submission, and/or the Proposer foresees an actual or potential Conflict of Interest in performing the contractual obligations contemplated in the bid.

○ **Yes** ◉ **No**

The Bidder acknowledges and agrees that the addendum/addenda below form part of the Bid Document.

Check the box in the column "**I have reviewed this addendum"** below to acknowledge each of the addenda.

File Name	I have reviewed the below addendum and attachments (if applicable)	Pages
Addendum_5_Law_Enforcement_Equipment_RFP_090122 Wed August 24 2022 02:56 PM	☑	1
Addendum_4_Law_Enforcement_Equipment_RFP_090122 Wed August 17 2022 04:20 PM	☑	2
Addendum_3_Law_Enforcement_Equipment_RFP_090122 Tue August 16 2022 09:33 AM	☑	1
Addendum_2_Law_Enforcement_Equipment_RFP_090122 Wed August 10 2022 07:59 AM	☑	1
Addendum_1_Law_Enforcement_Equipment_RFP_090122 Mon July 18 2022 04:34 PM	☑	2

City Council/Financing Authority Meeting **I. 1.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Conference Report - 2025 City County Conference of the San Bernardino County Transit Authority (SBCTA) (Mayor Saucedo)

DISCUSSION:

For this evening's City Council Meeting, Mayor Saucedo will provide a report relating to his attendance at the 2025 City County Conference hosted by the San Bernardino County Transit Authority, held May 8 - 9 in Lake Arrowhead, California at the Lake Arrowhead Resort. The City County Conference brings together elected officials and agency staff to hear presentations about important countywide topics.

Attachments

Conference Agenda

CITY COUNTY 2025 CONFERENCE

AGENDA

THURSDAY, MAY 8

11:00 a.m.

Registration and Buffet Lunch Open

12:20 p.m.

Welcome: Dawn Rowe, *Chairman,* San Bernardino County Board of Supervisors
Master of Ceremonies: L. Dennis Michael, *Mayor,* City of Rancho Cucamonga

12:45 p.m.

Session 1A—Main Ballroom

Prop 36 Implementation and Impacts

A panel discussion on California Proposition 36 will explore its implementation and impacts, focusing on how the law has reformed sentencing for nonviolent drug offenders. Experts will discuss its effectiveness in reducing incarceration, its challenges in execution, and its broader effects on the criminal justice system and rehabilitation programs.

Moderator: Shannon D. Dicus, *Sheriff-Coroner,* San Bernardino County Sheriff's Department

Panelists:
Jason Anderson, *District Attorney,* San Bernardino County
Darren L. Goodman, *Chief of Police,* San Bernardino Police Department
Trevis Newport, *Assistant Sheriff,* San Bernardino County Sheriff's Department

Session 1B—Lakeview Terrace

California Advanced Clean Fleet Compliance

This panel will shed light on the Advanced Clean Fleets regulation, unpack its implications for your operations, and discuss strategies to ensure a seamless and effective transition. We'll tackle critical questions, including California Emissions Regulations: Current Status and Future Outlook, Infrastructure demands, Available California Air Resources Board exemptions, Appeals Process, and Federal Waiver Impacts.

Moderator: Mark McCullough, *Director of Fleet Management,* County of San Bernardino

Panelists:
David Worthington, *Fleet Manager,* County of Santa Clara
Bradley Northrup, *Public Works Superintendent,* City of Carlsbad
Michael Taylor, *Senior Advisor,* HillStaffer LLC and *Managing Partner,* Diakon Partners, Inc.

CITY COUNTY 2025 CONFERENCE

AGENDA

1:45 p.m.

THURSDAY, MAY 8

Session 2A—Main Ballroom

Disaster Response: Lessons Learned through Fire and Ice

In this session, we will share how emergency response in San Bernardino County is multi-leveled from neighbor helping neighbor to inter-agency organized professional response.

Moderator: Trevor Leja, *Assistant Executive Officer,* San Bernardino County

Panelists:

Dan Munsey, *Fire Chief/Fire Warden,* San Bernardino County Fire Protection District

Crisanta Gonzalez, *Director,* San Bernardino Office of Emergency Service

Julia Juarez, *Deputy Commissioner for Community Relations and Outreach,* California State Insurance

Rich Sessler, *Fire Chief,* Redlands Fire Department

Session 2B—Lakeview Terrace

Using AI

This engaging session will explore AI policies, implementation strategies, and real-world use cases. Panelists will discuss AI and have a conversation around its usage. The session will also address potential pitfalls, emphasize that using AI is not cheating, and highlight the benefits and impact of AI in local government.

Moderators:

Lynn Fyhrlund, *Chief Information Officer,* San Bernardino County

Ray Ebert, *Deputy City Manager,* City of Fontana

Panelists:

Emily Vaughn Henry, *Assistant Chief Information Officer,* San Bernardino County

Michael Fermin, *Chief Assistant District Attorney,* San Bernardino County

3:00 p.m.

BREAK

3:15 p.m.

Session 3A—Main Ballroom

The Evolving Industrial Landscape: New Challenges and New Opportunities

The audience will gain a perspective on warehousing and logistics, learn about local adaptations to the evolving economic, technological, and legislative landscape.

Moderator: Phil Burum, *Deputy City Manager,* City of Fontana

Panelists:

Bryan Jones, *Assistant City Manager,* City of Menifee

Jolene Hayes, *Senior Associate,* Fehr and Peers

Becky Bradley, *Executive Director,* Lehigh Valley Planning Commission

Jonathan Shardlow, *Partner,* Allen Matkins

Session 3B—Lakeview Terrace

Public Safety Cloud: Data Commons for Smart City Emergency Services

Smart cities and public safety systems are hindered by siloed technology, but initiatives like public safety clouds, which integrate real-time data and AI, are helping agencies like County Fire and Sheriff share information securely and improve interoperability for better decision-making.

Moderator:

Dan Munsey, *Fire Chief/Fire Warden,* San Bernardino County Fire Protection District

Panelists:

Shannon D. Dicus, *Sheriff-Coroner,* San Bernardino County Sheriff's Department

Lynn Fyhrlund, *Chief Information Officer,* San Bernardino County

CITY COUNTY 2025 CONFERENCE

AGENDA

THURSDAY, MAY 8

4:30 p.m.

Guest Speaker—Main Ballroom
Eric Dickerson, NFL Hall of Famer

5:00 p.m.

Networking Reception and Dinner – Lakeside Lawn (outside)
Dinner Buffet
Music and Networking

FRIDAY, MAY 9

8:00 a.m.

Breakfast Buffet

8:30 a.m.

Opening Remarks – Main Ballroom

9:00 a.m.

Legislative Roundtable—Main Ballroom
Chad Mayes, *Partner,* Capitol Advocacy and California State Assembly *Retired*
Scott Wilk, *Senior Vice President,* Los Angeles/Ventura County Chapter of the Building Association of Southern California
Anthony Rendon, PhD, *Speaker Emeritus,* California State Assembly
Phil Ting, *Founder,* Illum Advisors

10:00 a.m.

Economic Update—Main Ballroom
Chris Thornberg, *Founding Partner,* Beacon Economics LLC

11:00 a.m.

CLOSE/END CONFERENCE

City Council/Financing Authority Meeting **I. 2.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Discussion and possible action regarding South Coast Air Quality Management District's Proposed Amended Rule 1111 (Reduction of NOx Emissions from Natural Gas-Fired Furnaces) and Proposed Amended Rule 1121 (Reduction of NOx Emissions from Residential-Type, Natural Gas-Fired Water Heaters) (Mayor Pro Tem Shaw)

MOTION:

If the City Council concurs with Mayor Pro Tem Shaw's recommendation, then the following motion is provided:

I move that the City Council authorize the Mayor to sign a letter to SCAQMD on behalf of the City Council in opposition to Proposed Amended Rule 1111 and Proposed Amended Rule 1121.

RECOMMENDATION:

It is recommended by Mayor Pro Tem Shaw that the City Council authorize the Mayor to sign a letter to SCAQMD on behalf of the City Council in opposition to Proposed Amended Rule 1111 and Proposed Amended Rule 1121.

DISCUSSION:

UPDATE:
At the March 18, City Council meeting, City Council was first presented with PAR 1111 and 1121 information and elected to table the discussion to the April 1 Council meeting in order to gather additional information from SCAQMD related to the impacts of the PARs implementation. At the April 1 City Council meeting, Council again elected to table the discussion to a future Council meeting in order to hear SCAQMD's presentation to the SBCTA Board at their April 2 meeting.

At the April 2 SBCOG Board meeting, staff reminded the Board that at their January 8, 2025, Board meeting, they received a presentation from SCAQMD regarding PAR 1111 and 1121 and that on that same date, the Board adopted Resolution No. 25-059 opposing the PARs. Comments received from Board members at the April 2 meeting were overwhelmingly opposed to the PARs. As the SCAQMD presentation was a receive and file item, no action was taken to withdraw Resolution No. 25-59 and SBCOG's opposition to the PARs remains in place.

At the April 2 Redlands Chamber of Commerce's Government Review Committee meeting, the Committee voted to join the Cost of Living Council in opposition to PARs 1111 and 1121.

In addition to SBCOG and the Redlands Chamber of Commerce, a number of neighboring agencies in Southern California have submitted letters of opposition to PARs 1111 and 1121, including the cities of Anaheim, Corona, Temecula, Upland, and Yorba Linda.

BACKGROUND

The South Coast Air Quality Management District (SCAQMD) is the government agency responsible for air quality in the greater Southern California region. One of the functions of SCAQMD is to develop plans and promulgate Rules that assist the region in attaining federal air quality standards. SCAQMD's 2022 Air Quality Management Plan includes a goal of a 67% reduction in oxides of nitrogen (NOx) emissions over baseline levels by 2037. In furtherance of this goal, the SQAQMD proposes to amend Rule 1111 and 1121 (PAR 1111 and PAR 1121), both of which were adopted in the late 1970's, to both lower the NOx emission standard to zero and implement mandatory compliance time frames for both new construction and existing buildings and homes. Rule 1111 regulates the emissions from residential gas-fired furnaces, and Rule 1121 regulates the emissions from residential gas-fired water heaters. The PARs seek to transition to zero-emission space and appliances, based on future effective dates when existing appliances need to be replaced. The updated AQMD guidelines include two key changes from the November PAR 1111 to the March PAR: lowering the BTU threshold from 2,000,000 to 175,000, limiting the order to primarily residential appliances, and excluding mobile homes from the new guidelines. Additionally, AQMD highlighted the Manufacturer Alternative Compliance Mitigation Fee, set to begin in 2027, which would allow manufacturers to continue selling NOx-emitting furnaces and water heaters through payment of a mitigation fee. The proposed fees include $100 per NOx-emitting furnace, $50 per NOx-emitting water heater, and a $500 fee for each unit sold beyond established targets, with potential increases over time. A copy of AQMD's presentation on the proposed rules is attached for reference.

A number of other jurisdictions have already expressed formal opposition of the PARs to SCAQMD, including the Cities of Chino, La Verne, Lakewood, and

Yorba Linda. The San Bernardino Council of Governments, of which Redlands is a member, also adopted a resolution opposing the PARs. Mayor Pro Tem Shaw has requested that the City Council discuss this matter and, if in agreement, authorize the Mayor to send a letter on behalf of the City to SQAQMD opposing the adoption and implementation of the PARs. A draft opposition letter is Attachment 3 to this report. **PAR 1111**

As currently proposed, on and after the applicable compliance date, no person shall manufacture, supply, sell, resell, offer for sale, import, or install, any furnace for use in the South Coast AQMD, that exceed the NOx emission limits. The applicable compliance dates for New Building types shall be determined based on the construction or alteration completion date.

Equipment Category	NOx Emission Limit (ng/j)	Building Type	Compliance Date
Residential Fan-Central Furnace	0.0	New	Jan. 1, 2027
		Existing	Jan. 1, 2029
Mobile Home Furnace	0.0	New	Jan. 1, 2027
Wall Furnaces & Floor Furnaces	0.0	New	Jan. 1, 2027
		Existing	Jan. 1, 2029

PAR 1121

As currently proposed, on and after the applicable compliance dates, no person shall manufacture, supply, sell, resell, offer for sale, import, or install a Water Heater for use in the South Coast AQMD that exceeds the NOx emission limits. The applicable compliance dates for New Building types shall be determined based on the construction or alteration completion date.

Equipment Type	NOx Limit (ng/j)	Building Type	Compliance Date
Water Heater	0.0	New	Jan. 1, 2027
		Existing	Jan. 1, 2029
Mobile Home Water Heater	0.0	New	Jan. 1, 2027

PAR 1111 and 1121 are currently in draft phase. SCAQMD is currently anticipating releasing updated PARs in early April, and a tentative public hearing date scheduled for May 2, 2025, for approval of the PARs.

Estimated Replacement Costs

Estimates from an SCAQMD draft staff report on the PARs show replacement costs for space heaters ranging from $18,500 to $21,500 if an electric panel upgrade is needed. For water heater replacements, the cost to go electric ranges from approximately $5,200 to $8,200.

Incentives

SCAQMD's Governing Board approved Go Zero, a zero-emission pilot incentive program for residents and small businesses to adopt zero-NOx emission space and water heating appliances. GO Zero will be funded with $21 million and elements of the rebate program are anticipated to include:

- Single Family Residential ($9 million)
- Multi-Family Residential ($5 million)
- Small Business ($5 million)
- Installer training ($1 million)
- Outreach and application assistance, with an emphasis on overburdened communities ($1 million)

As of AQMD's February 2025 Working Group meeting, the estimated rebate program incentives for the aforementioned categories are as follows:

- Single Family Resident Rebate: $1,000 to $3,000 per unit.
- Multi-Family Resident Rebate: $1,000 to $3,000 per unit, with a cap of $300,000.
- Small Business Rebate: $4,000 per unit.

It is important to note that the exact details of the Go Zero pilot incentive program have yet to be formally approved.

SUBMITTED BY:
Christopher Boatman, Assistant City Manager

REVIEWED BY:
Charles M. Duggan, Jr., City Manager

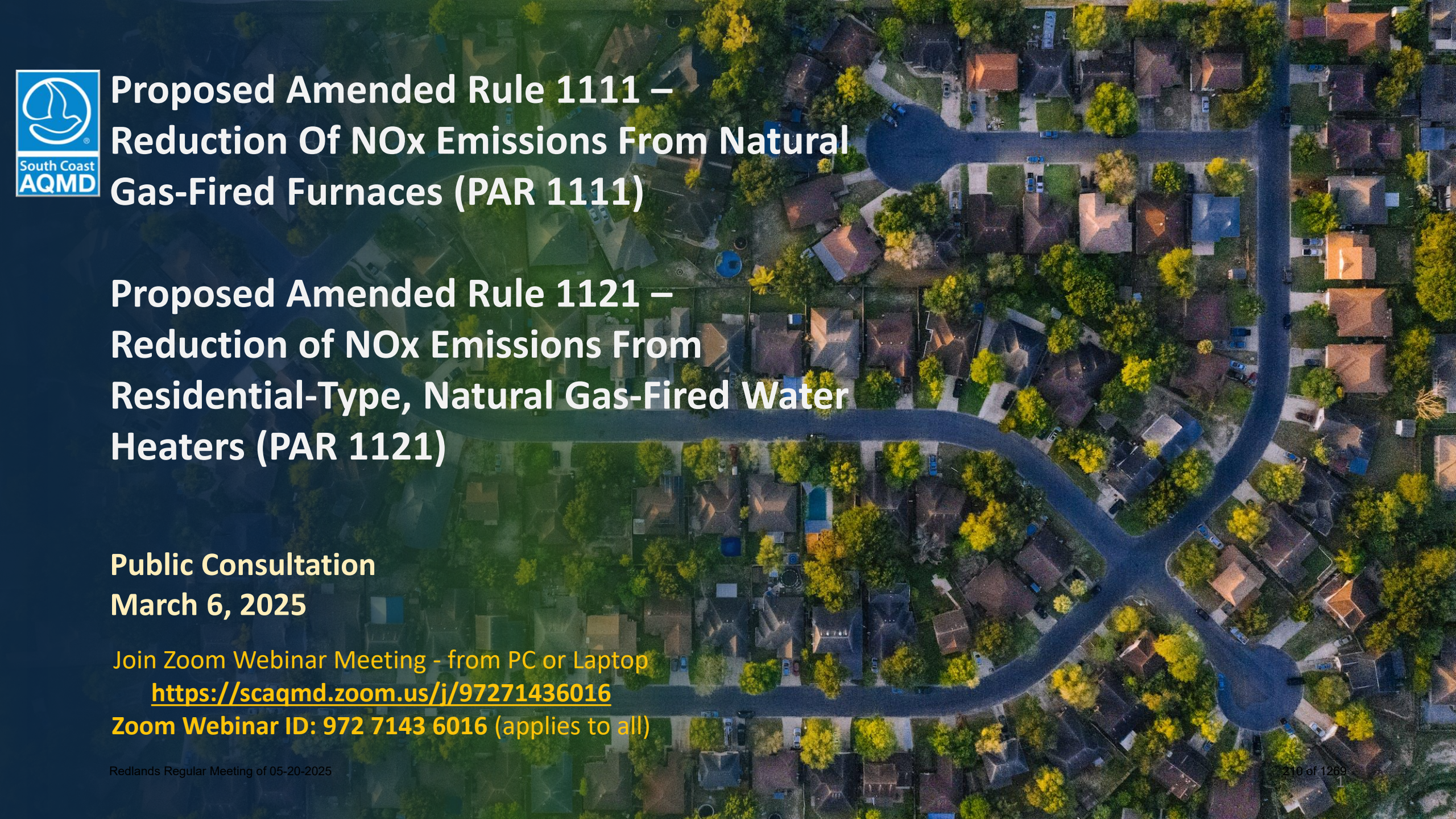
PREPARED BY:
Ross Wittman, Economic Development Coordinator

Fiscal Impact

Discussion:
There is no fiscal impact associated with staff sending a letter to AQMD opposing the draft guidelines.

Attachments

AQMD Presentation
Proposed Amended Rule 1111 - Draft (March 2025)
Proposed Amended Rule 1121 - Draft (March 2025)
SCAQMD - Letter of Oppos



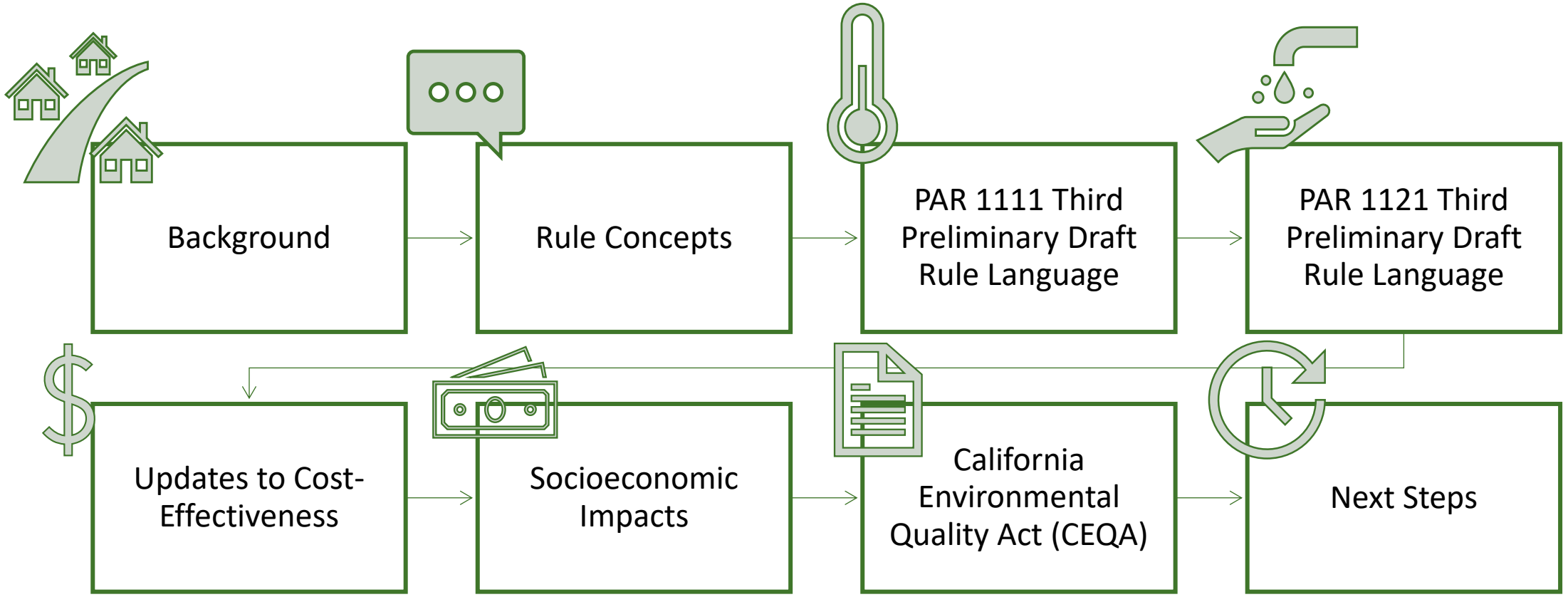
Proposed Amended Rule 1111 – Reduction Of NOx Emissions From Natural Gas-Fired Furnaces (PAR 1111)

Proposed Amended Rule 1121 – Reduction of NOx Emissions From Residential-Type, Natural Gas-Fired Water Heaters (PAR 1121)

Public Consultation
March 6, 2025

Join Zoom Webinar Meeting - from PC or Laptop
https://scaqmd.zoom.us/j/97271436016
Zoom Webinar ID: 972 7143 6016 (applies to all)

Agenda


Background
Rule Concepts
PAR 1111 Third Preliminary Draft Rule Language
PAR 1121 Third Preliminary Draft Rule Language
Updates to Cost-Effectiveness
Socioeconomic Impacts
California Environmental Quality Act (CEQA)
Next Steps

Background



Background

- Our region fails to meet multiple national air quality standards
  - Oxides of Nitrogen (NOx) is the key pollutant that must be controlled to address air quality
- Under Federal law, areas that fail to meet air quality standards by required deadlines face potential sanctions
  - Most severe is loss of federal highway funds
- We estimate we need to cut NOx over 67% to meet air quality standards by the 2037 deadline
- Requires that we adopt zero-emission technologies to replace combustion *wherever feasible*

2022 AQMP Control Measures

2022 Air Quality Management Plan adopted December 2, 2022

- Established path for meeting federal ozone standards
- Seeking to require zero-emission technologies across all sections, wherever feasible, to meet stringent standards

Control Measures R-CMB-01 and R-CMB-02 aim to reduce NOx emissions for residential-type space and water heating appliances, with a focus on zero-emission standards

- PAR 1111 will implement Control Measure R-CMB-02
- PAR 1121 will implement Control Measure R-CMB-01

Rule 1111 Regulatory History

Rule 1111 was adopted on December 1, 1978

- Applies to natural gas-fired furnaces less than 175,000 Btu/hr
- Established NOx emission limit of 40 ng/J for natural gas-fired furnaces

Amended on November 6, 2009

- Lowered NOx emission limit from 40 ng/J to 14 ng/J with effective dates from October 2014 to October 2016
- Set emission limit for mobile homes at 40 ng/J by October 2012 and 14 ng/J by October 2018

Amended on September 5, 2014

- Provided alternative compliance option through mitigation fees
- Amended six times from 2018 – 2023 to extend the mitigation fee end dates, increase mitigation fees, and allow limited exemptions for furnaces at high altitude

Rule 1121 Regulatory History

Rule 1121 was adopted on December 1, 1978

- Applies to natural gas-fired water heaters less than 75,000 Btu/hr
- Set emissions limit to 40 ng/J for gas-fired residential water heaters and 50 ng/J for gas-fired mobile home water heaters effective in 1982

Amended December 10, 1999

- Reduce emissions limit in two steps from 40 ng/J to 20 ng/J to 10 ng/J (effective January 2005)
  - Mitigation fee as alternative to meeting interim limit
- Mobile home emissions limit reduced to 40 ng/J (effective January 2000)

Most recently amended on September 3, 2004

- Extended the compliance dates and mitigation fee period

PAR 1111 and PAR 1121 Rulemaking Process

- PAR 1111 and PAR 1121 were developed through a public process that started in the fourth quarter of 2023
  - Includes a series of working group meetings, individual stakeholder meetings, and site visits to affected facilities
- Conducted Public Workshop on October 3, 2024
- Updated Stationary Source Committee on October 18, 2024, December 20, 2024, and February 21, 2025

Working Group Meetings:

October 5, 2023	November 28, 2023	January 31, 2024	April 4, 2024	June 20, 2024	August 15, 2024	December 4, 2024	February 13, 2025

Proposed Rule Amendment

- Preliminary draft PAR 1111 and PAR 1121 with original rule proposal shared at the Public Workshop
- Over 200 written comments and many verbal comments received for the original rule proposal
  - About 70 percent comments opposing the original rule proposal
- Staff revised the original rule proposal and proposed a new rule concept
  - Presented at Working Group Meeting #8 on February 13, 2025

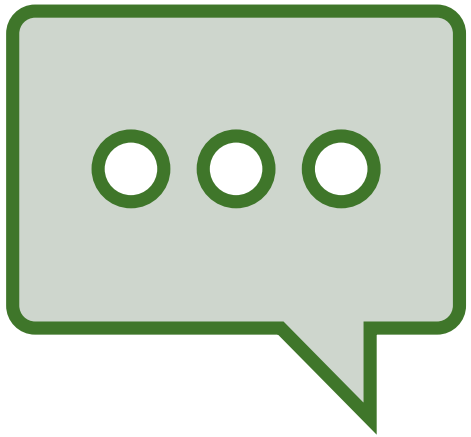
Original Rule Concept

- Zero-emission standards for new and existing buildings based on future effective dates
  - Included several alternative compliance options for emergency replacement, construction, etc.

New Rule Concept

- Replace other alterative options with manufacturer sales target for zero-emission and NOx-emitting appliances
- Not expanding space heating rule applicability to commercial size furnaces
  - Propose including those units in future rule

Original Rule Concepts



Original Rule Concept

Applicability

- Expand PAR 1111 applicability from 175,000 Btu/hr to 2 million Btu/hr
- No change to PAR 1121 applicability

New Residential Structures

- Require zero-emission appliances California building code already requires zero-ready starting 2026

Existing Residential Structures

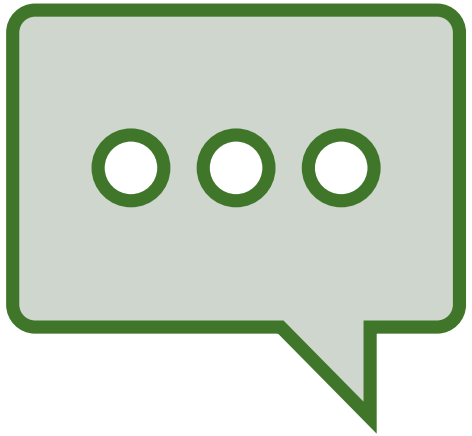
- Require replaced appliances to meet zero-NOx-emissions standard *beginning in 2029* when equipment needs to be replaced
- Staff proposed alternative compliance options for certain situations
  - Emergency replacements
  - Stranded asset from newer AC unit
  - Multifamily buildings
  - Installations in high altitude regions

Key Comments on Original Rule Concept

- Over 200 comment letters received from October 2024 to February 2025 for the original rule concept
  - ~70% letter opposed the original rule concept
- Key comments include:
  - Affordability, especially for low-income
  - Lack of consumer choice if rule mandates a complete conversion to zero-emission technologies
  - Concerns about zero-emission technology readiness
  - Concerns about electricity demand and grid sustainability
  - Proposed rules will impact small units in schools and businesses



New Rule Concepts



New Rule Concept – Revert PAR 1111 Applicability

Both PAR 1111 and PAR 1121 apply to appliances based on size (e.g., rated heat input capacity)

Initially PAR 1111 (space heating) proposed to expand applicability from 175,000 Btu/hr to 2 million Btu/hr

Staff recommending to revise proposal to keep current PAR 1111 applicability (up to 175,000 Btu/hr)

Future rulemaking will address commercial furnaces with heat input between 175,000 Btu/hr and 2 million Btu/hr

Revised Proposal for PARs 1111 and 1121

Zero-Emission and NOx Emission Standard Manufacturer Approach

- Removed mandate to meet zero-emission standard
- Set compliance goals that allow manufacturers to sell NOx-emitting units and zero-emission units (new and existing buildings)
- Compliance goals change over time, creating a glide path for zero-emission units
- Allows manufacturers to sell units that meet current NOx limit
- Mitigation fee applicable to NOx-emitting units

Manufacturer Alternative Compliance Targets and Effective Dates

Target Dates	2027-2028	2029-2032	2033-2035	2036 and after
NOx Emitting Units (e.g. gas)	70%	50%	25%	10%
Zero-NOx Emission Units	30%	50%	75%	90%

Manufacturer Alternative Compliance Mitigation Fee

- Zero-emission manufacturer option would be combined with mitigation fees
  - Fee will partially mitigate emissions forgone from the alternative compliance option
  - Provide a revenue stream for Go Zero incentive program
- Manufacturers previously paid $150 - $450 mitigation fee per 40 ng/J gas furnace
  - Proposing nominal fee to incentivize transition to zero-emission technologies without putting undue financial burden on homeowners

Mitigation fee for all gas units sold after 2027

- $100/NOx emitting furnace
- $50/NOx emitting water heater
- $500 mitigation fee for each NOx emitting unit sold over target*
- Discounted fee if zero-emission goal exceeded

* Considering increasing fee over time

Zero-NOx Standard for New Buildings

- California Title 24 Building Code includes zero-NOx emission appliance ready requirements *starting January 1, 2026*
  - Requirement is not prescriptive, some NOx-emitting units can be installed
- Proposed space and water heating rules include flexibility to sell both NOx-emitting and zero-NOx emission appliances
  - Zero-NOx Emission Manufacturer Alternative Compliance Option *starting January 1, 2027*
- 2026 calendar year will have limited flexibility in current form
- Staff proposing to delay the New Building zero-NOx emission standard until January 1, 2027 to align with Zero-NOx Emission Manufacturer Alternative Compliance Option

How the New Rule Concept Addresses Comments

Affordability, especially for low-income residents

- Individual decision as gas units will still be available

Lack of consumer choice

- Homeowners will have a choice to purchase gas unit or zero-emission unit

Concerns about zero-emission technology readiness

- Slower transition to zero-emission allows more technology development

Concerns about electricity demand and grid sustainability

- Slower transition will slow demand increase and time to meet future demand

Concerns on implementation in schools and small business

- With revised applicability, units are small size and mainly for residential installation

Other Benefits to New Proposed Rule Concept Address Concerns

Simplifies the proposed rules, removes other alternative compliance options

- Original concept put more responsibility on the installer
  - Request delays for construction
  - Notify for emergency replacements

Mitigation fee will help fund Go Zero

- Provides funding source
- Longer life of the program
- Focus on low-income residents

Proposed Changes to Mobile Home Appliance Requirements

Changes Proposed for Mobile Home Appliances

Prior rule proposal included future effective date for zero-NOx emission limit for existing mobile home appliances

- Mobile home appliances have unique challenges such as:
  - Special design to accommodate smaller closet space for installations; and
  - Additional regulation by Department of Housing and Urban Development
- Compared to single-family homes, mobile homes are more frequently replaced by new mobile homes
- Proposing to remove future effective zero-NOx emission limit for existing mobile homes
  - Appliances to transition to zero-NOx emissions once mobile homes are replaced, not when appliance is replaced
    - Exemption for mobile homes located at master metered mobile home parks due to electricity limitations at the parks

Mobile Home Furnaces NOx Limit Background

NOx limit for Mobile Home Furnaces lowered from 40 to 14 ng/J at the 2009 amendment

- Rule 1111 includes an alternative compliance option in the 2014 amendment that allowed for mitigation fees in lieu of complying with NOx limit

Mobile home furnaces currently designed to meet 40 ng/J standard

- All manufacturers opting to comply through the alternative compliance mitigation fee option
  - Current sunset date is September 30, 2025
- Manufacturers have zero-NOx emission units commercially available and installed in new mobile homes

Staff Proposal for Mobile Home Furnaces

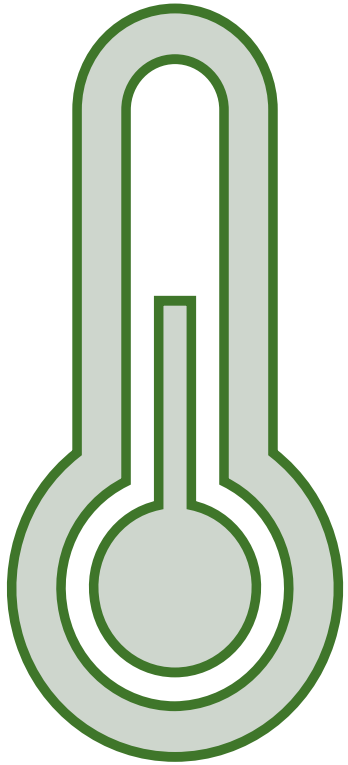
Require zero-NOx emission appliances for new mobile homes

- Mobile home furnaces for installation in existing buildings continue to comply with Table 1 NOx emission limit or comply with Mitigation Fee Alternative Compliance Option

Align mobile home mitigation fee with proposed zero-NOx emission manufacturer fee

- Current mitigation fee is $150 per unit
- Proposing to change to $100 on and after October 1, 2025

PAR 1111
Third Preliminary Draft Rule



PAR 1111 Applicability

- Reverted to current rule applicability
  - Rated heat input capacity less than 175,000 Btu/hr, or for combination heating and cooling units, a cooling rate of less than 65,000 Btu per hour
- Furnaces with heat input rated between 175,000 Btu/hr and 2 million Btu/hr will be addressed in future rulemaking

(b) Applicability

The provisions of this rule are applicable to manufacturers, distributors, retailers, Resellers, and Installers of Furnaces used for interior space heating with a Rated Heat Input Capacity less than ~~or equal to 2,000,000~~ 175,000 British thermal units (Btu) per hour, or, for combination heating and cooling units, a cooling rate of less than 65,000 Btu per hour.

Definitions

- Removed the definition for Commercial Furnace
- Updated Floor Furnace and Wall Furnace definitions on the rated heated input capacity to less than 175,000 Btu per hour
- Added Zero-NOx Emission Unit definition
  - Used in the new manufacturer alternative compliance option

WALL FURNACE means a wall-mounted, self-contained space heater using natural gas without ducts that exceed 10 inches that has a Rated Heat Input Capacity ~~at or~~ less than ~~2,000,000~~ 175,000 Btu per hour.

ZERO-NOx EMISSION UNIT means an appliance that provides space heating with heating capacity equivalent to Furnaces subjected to this rule and emits no more than zero nanograms of NOx per joule of Useful Heat Delivered to the Heated Space (ng/J).

Table 1 Emission Requirements

- Table 1 limits are applicable prior to Table 2 zero-NOx emission limit compliance date
  - Not proposing zero-NOx emission limit for mobile home furnaces in existing buildings, which will remain subject to Table 1

(41) ~~On or after October 1, 2012~~No person shall ~~not~~ manufacture, supply, sell, resell, offer for sale, import, or ~~install~~Install, for use within the South Coast AQMD, ~~fan-type central furnaces subject to this rule~~ any of the following Furnaces, unless such ~~furnace~~Furnace is certified pursuant to subdivision (e) not to exceed ~~complies with~~ the applicable Table 1 emission limit ~~and compliance date set forth in Table 1 and is certified in accordance with subdivision (d) of this rule.~~, expressed by nanograms of NOx per joule of Useful Heat Delivered to the Heated Space (ng/J):

(A) Any Residential Fan-Type Central Furnace prior to the applicable Table 2 compliance date, except for Mobile Home Furnaces for Existing Buildings; and

(B) Any Mobile Home Furnace for Existing Buildings.

Table 1 – Residential Fan-Type Central Furnace
NOx Limits and Compliance Schedule

Equipment Category	NOx Emission Limit (ng/J)
Condensing Furnace	14
Non-Condensing Furnace	14
Weatherized Furnace	14
Mobile Home Furnace	14

Zero-NOx Emission Requirements Table 2

- Removed commercial furnace requirement
- Removed Mobile Home Furnace Zero-NOx emission requirement for existing buildings
- Changed new buildings compliance dates
  - From January 1, 2026, to January 1, 2027
  - Aligns with the zero-NOx emission compliance option

Table 2 – Zero-Emission Limits and Compliance Schedule

Equipment Category	NOx Emission Limit (ng/J)	Building Type	Compliance Date
Residential Fan-Type Central Furnace[1]	0	New	January 1, ~~2026~~2027
		Existing	January 1, 2029
~~Commercial Furnace~~	~~0~~	~~New~~	~~January 1, 2026~~
		~~Existing~~	~~January 1, 2029~~
Mobile Home Furnace	0	New	January 1, ~~2026~~2027
		~~Existing~~	~~January 1, 2030~~
Wall Furnace and Floor Furnace	0	New	January 1, ~~2026~~2027
		Existing	January 1, 2029

[1] Includes Condensing, Non-Condensing, and Weatherized Furnaces.

Mobile Home Furnace Alternative Compliance for 14 ng/J NOx Limit

- Mobile home mitigation fee alternative compliance option for $150 per unit
  - Ends on September 30, 2025, in current rule
- Revised the fee to align with mitigation fee rate for other furnaces under the new manufacturer alternative compliance target
  - Effective on October 1, 2025

(1) Mitigation Fee Alternative Compliance Option for Mobile Home Furnaces

A manufacturer of Mobile Home Furnaces may elect to pay a per unit mitigation fee for selling or enabling distributors, retailers, Resellers, or Installers to sell Mobile Home Furnaces certified to emit 40 ng/J or less of NOx in lieu of complying with the 14 ng/J NOx emission limit in Table 1, provided the manufacturer complies with the following requirements:

(A) Pays a per unit mitigation fee of:

(i) Until September 30, 2025, $150 for each Mobile Home Furnace distributed or sold into or within the South Coast AQMD; and

(ii) On and after October 1, 2025, $100 for each Mobile Home Furnace distributed or sold into or within the South Coast AQMD;

(B) Submits an alternative compliance plan, no later than August 1st, for each 12-month time period that begins on October 1 during which the manufacturer elects to pay the mitigation fee in lieu of meeting the NOx emission limit that includes:

(i) A letter with the name of the manufacturer requesting the Mobile Home mitigation fee compliance option signed by a Responsible Official and the 12-month alternate compliance period that the mitigation fees cover;

ZEM Alternative Compliance Option

- Establishes zero-NOx emission manufacturer alternative compliance option
  - Manufacturer submits an alternative compliance plan by November 1, 2026, to enroll in this option
  - Comply with the specified sales targets
  - Pay mitigation fee for each NOx-emitting unit
  - Submit report and payment 90 days after each compliance year

(2) Zero-Emission Manufacturer (ZEM) Alternative Compliance Option

Any manufacturer of Furnaces subject to this rule may elect to comply with the ZEM Alternative Compliance Option in lieu of complying with paragraph (d)(2) provided:

(A) The manufacturer submits an alternative compliance plan, no later than November 1, 2026, that includes:

(i) A letter with the name of the manufacturer requesting the ZEM alternative compliance option signed by a Responsible Official;

(ii) A complete South Coast AQMD Form 400A with company name, indicating the application is for a compliance plan (section 7 of form), indicating the request is for the "Rule 1111 ZEM alternative compliance option" (section 9 of form), and signature of the Responsible Official; and

(iii) Payment for the alternate compliance plan filing fee pursuant to Rule 306– Plan Fees.

(B) The manufacturer sells, or enables distributors, retailers, Resellers, or Installers to sell, Zero-NOx Emission Units into or within the South Coast AQMD at a percentage greater than or equal to the Zero-NOx Emission Unit Sales Target specified in Table 3;

(C) The Furnaces sold under this alternative compliance option are certified to emit 14 ng/J or less of NOx;

(D) The manufacturer pays $100 mitigation fee for each Furnace sold; and

(E) The manufacturer submits a report and mitigation fee payment pursuant to paragraph (g)(2) no later than 90 days after the end of each calendar year utilizing this alternative compliance option.

ZEM Alternative Compliance Option - Cont.

- Table 3 for ZEM alternative compliance option targets and mitigation fee schedule
  - $100 for each furnace
  - Higher fee for each furnace over furnace sales target

Table 3 – ZEM Alternative Compliance Option Targets and Mitigation Fee Schedule

Compliance phase	**Phase 1**	**Phase 2**	**Phase 3**	**Phase 4**
Calendar Years	**2027 - 2028**	**2029 - 2032**	**2033-2035**	**2036 and after**
Zero-NOx Emission Unit Sales Target[1]	30 percent	50 percent	75 percent	90 percent
Furnace Sales Target	70 percent	50 percent	25 percent	10 percent
Mitigation Fee for Furnaces Sold Over Target ($ per Furnace)	$500	$600	$700	$800

[1] Sales target represents the percent of Zero-NOx Emission Units a manufacturer sells in a calendar year into or within the South Coast AQMD compared to the total number of furnaces and Zero-NOx Emission Units sales in a calendar year into or within the South Coast AQMD.

ZEM Alternative Compliance Option - Cont.

- Establishes a mechanism to incentivize manufacturers to sell more zero-NOx emission units
  - Higher fee for each furnace over furnace sales target
  - Discounted mitigation fee determined by the equation for zero-NOx emission units sold greater than their target

(3) ZEM Alternative Compliance Option Sales Target Deviation

Any manufacturer of Furnaces subject to this rule that elects to comply with the ZEM Alternative Compliance Option pursuant to paragraph (f)(2) that deviates from the applicable Sales Targets in Table 3 shall:

(A) If the annual percentage of Furnaces sold is greater than the applicable calendar year Furnace Sales Target specified in Table 3, pay the mitigation fee specified in Table 3 for each Furnace sold above the sales target; or

(B) If the annual percentage of Zero-NOx Emission Units sold is greater than the applicable calendar year Zero-NOx Emission Unit Sales Target specified in Table 3, apply a discount to their annual mitigation fee required pursuant to subparagraph (f)(2)(D) according to the following equation:

$$Discounted\ Mitigation\ Fee = F - F \times \frac{(P-T)}{(100-T)}$$

Where:

F = Annual Mitigation Fee

P = Reported Percent Zero-NOx Emission Units

T = Sales Target

Considerations for ZEM Sales Targets

Determining sales targets will be complicated for some zero-emission systems

- Minisplit heat pumps and electric resistance wall or floor furnaces are non-ducted units, non-centralized systems
- Larger homes may have multiple units installed to replace one NOx-emitting furnace

Staff is considering mechanisms to address this potential discrepancy

Informative Materials for Mobile Home Furnaces

- Existing labeling requirements for mobile home furnaces under mitigation fee alternative compliance option
  - Relied on informative materials to display the labeling language
  - Adjusted the language to reflect the fee revision

(g) Labeling, Reporting, and Recordkeeping

(1) Labeling Requirements for Mobile Home Furnace

(A) For any Mobile Home Furnace that is for distribution or sale inside of the South Coast AQMD that is using an alternative compliance plan in lieu of meeting the 14 ng/J certification limit, a manufacturer shall distribute or publish Informative Materials that clearly display the following language: "If installed in South Coast AQMD only: This furnace does not meet the South Coast AQMD Rule 1111 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of $150 before September 30, 2025, and $100 thereafter."

(B) For the purposes of subparagraph (g)(1)(A), "Informative Materials" shall mean the following:

(i) The consumer brochure for the Furnace;

(ii) The technical specification sheet for the Furnace; and

(iii) The manufacturer's website that promotes, discusses, or lists the Furnace.

(C) A manufacturer may use alternative language in lieu of subparagraph (g)(1)(A), provided the alternative language is:

(i) Similar to the language in subparagraph (g)(1)(A); and

(ii) Submitted to the Executive Officer no later than [90 days after Date of Rule Adoption].

(D) The manufacturer shall use the language in subparagraph (g)(1)(A) if the alternative language is not approved.

Reporting and Recordkeeping for ZEM Alternative Compliance Option

- Establishes reporting and recordkeeping requirements for manufacturers utilizing ZEM alternative compliance option
- Specifies recordkeeping requirements
  - Information shall be maintained for at least five years and made available upon request

(2) Reporting, and Recordkeeping for ZEM Alternative Compliance Option

The manufacturer of a Furnace supplied or offered for use within the South Coast AQMD in accordance with the ZEM alternative compliance option in paragraph (g)(2) shall:

(A) Submit to the Executive Officer a report, signed by the Responsible Official for the manufacturer pursuant to the schedule in paragraph (g)(2)(E), that includes:

(i) Each model number and the quantity of Zero-NOx Emission Units distributed or sold into or within South Coast AQMD for the applicable calendar year; and

(ii) Each model number and the quantity of Furnaces distributed or sold into or within South Coast AQMD for the applicable calendar year;

(B) Maintain records for at least five years, including, but not limited to, the following information and make them available to the Executive Officer upon request:

(i) Model number and serial number of each Zero-NOx Emission Unit;

(ii) Model number and serial number of each Furnace;

(iii) Date and number of Furnaces and Zero-Emission Units sold to a distributor; and

(iv) The distributor's name, address, and phone number.

Exemption

- Specifies the exemption from zero-NOx emission limits under paragraph (d)(2), for:
  - Mobile home furnaces for installation in existing buildings;
  - Mobile home furnace installations in new and existing buildings in master metered mobile home parks
  - New buildings with building permit issued prior to the date of rule adoption

(2) Paragraph (d)(2) shall not apply to the following:

(A) Mobile Home Furnaces for installation in Existing Buildings;

(B) Mobile Home Furnaces for installation or use in New Buildings or Existing Buildings located in master-metered Mobile Home parks, which are Mobile Home parks that take electricity through a master meter and then distribute it to park residents through their own system; and

(C) Furnaces that will be installed or used in New Buildings with building permit issued prior to [Date of Adoption] by the appropriate enforcement agency.

PAR 1121
Third Preliminary Draft Rule



Definitions

- Added two definitions that will be used in the new manufacturer alternative compliance option
  - Responsible Official
  - Zero-NOx Emission Unit

(16) RESPONSIBLE OFFICIAL means:

(A) For a corporation: a president or vice-president of the corporation in charge of a principal business function or a duly authorized person who performs similar policy-making functions for the corporation, or

(B) For a partnership or sole proprietorship: general partner or proprietor, respectively.

(19) ZERO-NOx EMISSION UNITS means an appliance that provides water heating with heating capacity equivalent to Water Heaters subjected to this rule and emits no more than zero nanograms of NOx per joule of Heat Output (ng/J).

Table 1 Emission Requirements

- Table 1 limits are applicable prior to Table 2 zero-NOx emission limit compliance date
  - Not proposing zero-NOx emission limit for mobile home water heaters in existing buildings, which will remain subject to Table 1

(1) No person shall manufacture, supply, sell, resell, offer for sale, import, or Install, for use in the South Coast AQMD, any following Water Heater, unless the Water Heater is certified pursuant to subdivision (e) and does not exceed the applicable Table 1 NOx limit, expressed by nanograms of NOx per joule of Heat Output (ng/J) or ppmv:

(A) Any Water Heater prior to the applicable Table 2 compliance date, except for Mobile Home Water Heaters for Existing Buildings; and

(B) Any Mobile Home Water Heater for Existing Buildings.

Table 1 – NOx Emission Limits

Equipment	NOx Emission Limits	
	ng/J	ppmv
Water Heater[1]	10	15
Mobile Home Water Heater	40	55

[1] Excluding Mobile Home Water Heater

Zero-NOx Emission Requirements Table 2

- Removed Mobile Home Water Heater Zero-NOx emission requirement for existing buildings
  - Continue to comply with 40 ng/J, or 55 ppmv NOx emission limit
- Changed Zero-NOx emission requirement for new buildings
  - From January 1, 2026, to January 1, 2027

Table 2 – Zero-Emission Limits and Compliance Schedule

Equipment Category	NOx limit (ng/J)	Building Type	Compliance Date
Water Heater[1]	0~~.0~~	New	January 1, ~~2026~~2027
	0~~.0~~	Existing	January 1, ~~2027~~2029
Mobile Home Water Heater	0~~.0~~	New	January 1, ~~2026~~2027
	0~~.0~~	~~Existing~~	~~January 1, 2030~~

1 Excluding Mobile Home Water Heater

ZEM Alternative Compliance Option

- Establishes zero-emission manufacturer alternative compliance option
  - Manufacturers submit an alternative compliance plan by November 1, 2026, to enroll in this option
  - Comply with the specified sales targets
  - Pay mitigation fee for each NOx-emitting unit
  - Submit report and payment 90 days after each compliance year

(f) Alternative Compliance Options

(1) Zero-Emission Manufacturer (ZEM) Alternative Compliance Option

Any manufacturer of Water Heaters subject to this rule may elect to comply with the ZEM Alternative Compliance Option in lieu of complying with paragraph (d)(2) provided:

(A) The manufacturer submits an alternative compliance plan, no later than November 1, 2026, that includes:

(i) A letter with the name of the manufacturer requesting the ZEM alternative compliance option signed by a Responsible Official;

(ii) A complete South Coast AQMD Form 400A with company name, indicating the application is for a compliance plan (section 7 of form), indicating the request is for the "Rule 1121 ZEM alternative compliance option" (section 9 of form), and signature of the Responsible Official; and

(iii) Payment for the alternate compliance plan filing fee pursuant to Rule 306– Plan Fees.

(B) The manufacturer sells, or enables distributors, retailers, Resellers, or Installers to sell, Zero-NOx Emission Units into or within the South Coast AQMD at a percentage greater than or equal to the sales target specified in Table 3;

(C) The Water Heaters sold under this alternative compliance option are certified to emit 10 ng/J (or 15 ppmv) or less of NOx;

(D) The manufacturer pays $50 mitigation fee for each Water Heater sold; and

(E) The manufacturer submits a report and mitigation fee payment pursuant to paragraph (f)(1) no later than 90 days after the end of each calendar year utilizing this alternative compliance option.

ZEM Alternative Compliance Option - Cont.

- Table 3 for ZEM alternative compliance option sales targets and mitigation fee schedule
  - $50 for each water heater
  - Higher fee for each water heater over water heater sales target

Table 3 – ZEM Alternative Compliance Option Targets and Mitigation Fee Schedule

Compliance phase	Phase 1	Phase 2	Phase 3	Phase 4
Calendar Years	2027 - 2028	2029 - 2032	2033-2035	2036 and after
Zero-NOx Emission Unit Sales Target[1]	30 percent	50 percent	75 percent	90 percent
Water Heater Sales Target	70 percent	50 percent	25 percent	10 percent
Mitigation Fee for Water Heaters Sold Over Target ($ per Water Heater)	$500	$600	$700	$800

[1] Sales target represents the percent of Zero-NOx Emission Units a manufacturer sells in a calendar year into or within the South Coast AQMD compared to the total number of Water Heaters and Zero-NOx Emission Units sales in a calendar year into or within the South Coast AQMD.

ZEM Alternative Compliance Option - Cont.

- Establishes a mechanism to incentivize manufacturers to sell more zero-NOx emission units
  - Higher fee for each water heater over water heater sales target
  - Discounted mitigation fee determined by the equation for zero-NOx emission units sold greater than their target

(2) ZEM Alternative Compliance Option Sales Target Deviation

Any manufacturer of Water Heaters subject to this rule that elects to comply with the ZEM Alternative Compliance Option pursuant to paragraph (f)(1) that deviates from the applicable Sales Target in Table 3 shall:

(A) If the annual percentage of Water Heaters sold is greater than the applicable calendar year Water Heater Sales Target specified in Table 3, pay the mitigation fee specified in Table 3 for each Water Heater sold above the sales target; or

(B) If the annual percentage of Zero-NOx Emission Units sold is greater than the applicable calendar year Zero-NOx Emission Unit Sales Target specified in Table 3, apply a discount to their annual mitigation fee required pursuant to subparagraph (f)(1)(D) according to the following equation:

$$Discounted\ Mitigation\ Fee = F - F \times \frac{(P - T)}{(100 - T)}$$

Where:

F = Annual Mitigation Fee

P = Reported Percent Zero-NOx Emission Units

T = Sales Target

Informative Materials for Mobile Home Water Heaters

- Mirror Rule 1111 “informative materials” requirements for NOx-emitting mobile home water heaters
  - On and after January 1, 2027, zero-emission limit will apply to new mobile homes but not existing mobile homes

(1) Labeling Requirements for Mobile Home Water Heaters

(A) For any Mobile Home Water Heater certified to meet the applicable Table 1 NOx emission limit that is for distribution or sale inside of the South Coast AQMD, a manufacturer shall distribute or publish Informative Materials that clearly display the following language: “If installed in South Coast AQMD only: This water heater is only allowed to be installed and used for mobile homes before January 1, 2027; and is only allowed to be installed and used for existing mobile homes on and after January 1, 2027.”

(B) For the purposes of subparagraph (g)(1)(A), “Informative Materials” shall mean the following:

(i) The consumer brochure for the Water Heater;

(ii) The technical specification sheet for the Water Heater; and

(iii) The manufacturer’s website that promotes, discusses, or lists the Water Heater.

(C) A manufacturer may use alternative language in lieu of subparagraph (g)(1)(A), provided the alternative language is:

(i) Similar to the language in subparagraph (g)(1)(A); and

(ii) Submitted to the Executive Officer no later than 90 days after [Date of Rule Adoption].

(D) The manufacturer shall use the language in subparagraph (g)(1)(A) if the alternative language is not approved.

Reporting and Recordkeeping for ZEM Alternative Compliance Option

- Specifies reporting requirements for manufacturers utilizing ZEM alternative compliance option
- Specifies recordkeeping requirements
  - Information shall be maintained for at least five years and made available upon request

(2) Reporting, and Recordkeeping Requirements for ZEM Alternative Compliance Option

The manufacturer of a Water Heater supplied or offered for use within the South Coast AQMD in accordance with the ZEM alternative compliance option in paragraph (f)(1) shall:

(A) Submit to the Executive Officer a report, signed by the Responsible Official for the manufacturer pursuant to the schedule in paragraph (f)(1)(E), that includes:

(i) Each model number and the quantity of Zero-NOx Emission Units distributed or sold into or within South Coast AQMD for the applicable calendar year; and

(ii) Each model number and the quantity of Water Heaters distributed or sold into or within South Coast AQMD for the applicable calendar year;

(B) Maintain records for at least five years, including the following information and any other information for compliance demonstration, and make them available to the Executive Officer upon request:

(i) Model number and serial number of each Zero-NOx Emission Unit;

(ii) Model number and serial number of each Water Heater;

(iii) Date and number of Water Heater and Zero-Emission Units sold to a distributor; and

(iv) The distributor's name, address, and phone number.

Exemption

- Specifies the exemption from zero-NOx emission limits under paragraph (d)(2), for:
  - Mobile home water heaters for installation in existing buildings;
  - Mobile home water heater installations in new and existing buildings in master metered mobile home parks
  - New buildings with building permit issued prior to the date of rule adoption

(3) Paragraph (d)(2) shall not apply to the following Water Heaters:

(A) Mobile Home Water Heaters for installation in Existing Buildings;

(B) Mobile Home Water Heaters for installation or use in master-metered Mobile Home parks, which are Mobile Home parks that take electricity through a master meter and then distribute it to park residents through their own system; and

(C) Water Heaters that will be installed or used in New Buildings with building permits issued prior to [Date of Adoption] by the appropriate enforcement agency.

Updates to Cost Assumptions



Cost-Effectiveness Assessment

- Staff considers upfront “project costs” and lifetime operational costs
  - Customers will have choice to transition to zero-emission units upon unit replacement, so costs considered are incremental costs

Upfront project cost

Unit, installation, panel upsizing, and other electrical work

Fuel switching cost difference

Difference between the gas and electricity utility rate and appliance efficiency

- Electricity rates are higher than natural gas, but heat pumps are 3 – 5 times more efficient than conventional units which can result in lifetime cost savings

Summary of Updated Costs

Staff updated cost assessment to reflect most recent available cost data (i.e., 2024-dollars)

Staff updated:

- Project costs
- Utility rates based on updated projection
- Annual fuel use for fuel switch cost
  - Staff looked at lifetime operational costs based on different climate zones
    - South Coast AQMD is a diverse region
    - Installation and utility costs can vary for mountain, inland, city, and coastal installations



Updated Space and Water Heating Project Costs

Updated Zero-NOx Emission Appliance Project Costs



Staff uses the TECH Clean California real-world project cost for heat pump installations

- Cost data available in publicly searchable database by county
- Previous cost estimates relied on data from 2021 – June 2024
- Updated to only consider 2024 costs
  - Include comparison of full dataset to 2024 data
- Updated to weighed cost by population of each county (vs. region average previously)



Staff uses median project costs for cost-effectiveness assessment

- More representative of costs than average
- Less sensitive to outliers

Evaluation of TECH Data for Single-Family Space Heating

Space Heating (PAR 1111)

TECH Single Family HP HVAC Installations: 2021-2024	
Number of Installations	10,223
Percentage Needing Electrical Service Upgrade	3.8%
Percentage Installed in Disadvantaged Community	15.1%
Project Cost Average ($)	20,000
Project Cost Median ($)	18,000

TECH Single Family HP HVAC Installations: 2024	
Number of Installations	3,074
Percentage Needing Electrical Service Upgrade	3.7%
Percentage Installed in Disadvantaged Community	13.6%
Project Cost Average ($)	21,100
Project Cost Median ($)	19,000
Project Cost Weighted by County Population ($)	19,000

- Median costs for 2024 similar to past data
  - Update will not have a significant impact on cost-effectiveness assessment

Multifamily Space Heating TECH Data

Space Heating (PAR 1111)

Installations in 2022-2024	
Total Number of Properties	964
Total Number of Units Installed	1,211
Percentage Installed in Disadvantaged Community	32.5%
Cost per Unit Average ($)	6,200
Cost per Unit Median ($)	6,000

Installations in 2023-2024	
Total Number of Properties	839
Total Number of Units Installed	1,060
Percentage Installed in Disadvantaged Community	25.0%
Cost per Unit Average ($)	6,300
Cost per Unit Median ($)	6,000
Project Cost Weighted by County Population ($)	5,900

- Staff used data from 2023-2024 since there is no 2024 data for some counties
- Median costs same as past data

Single-Family and Multifamily* Water Heating

Water Heating (PAR 1121)

Installations from 2021-2024	
Number of Installations	1,644
Percentage Needing Panel Upgrades	15.4%
Percentage Installed in Disadvantaged Community	38.3%
Project Cost Average ($)	6,500
Project Cost Median ($)	5,800

Installations in 2024	
Number of Installations	1,212
Percentage Needing Panel Upgrades	15.8%
Percentage Installed in Disadvantaged Community	46.7%
Project Cost Average ($)	6,800
Project Cost Median ($)	6,900
Project Cost Weighted by County Population ($)	5,400

- Significant increase in the number of units installed
  - Median costs for 2024 higher than past data
    - Increase may be influenced by significant increase in incentive funds
  - Update will increase cost-effectiveness assessment

* Due to insufficient sample size in tech data for multifamily water heating, staff relied on single-family cost

Updated NOx-Emitting Appliance Project Costs

Staff uses the E3 “Residential Building Electrification in California” for the NOx-emitting appliance cost

Same source as previous cost-effectiveness calculation

- Adjusted from 2019 to 2024 for inflation

Cost is weighted to housing type (new construction, 90’s construction, etc.) based on Census data

- Previously used region-wide housing type weighed cost
- The update refined the cost by further weighing the cost by population of each county

Updated NOx-Emitting Space Heating Project Costs

- Comparing previous costs (2023) and updated costs (2024)
  - Slight change of NOx-emitting appliance project costs

E3 NOx-Emitting Space Heating Appliance Costs ($): 2023	
Single-Family HVAC	18,800
Multifamily HVAC	12,400
Single Family Furnace Only	10,000
Multifamily Furnace Only	6,600

E3 NOx-Emitting Space Heating Appliance Costs ($): 2024	
Single-Family	20,000
Multifamily	12,000
Single Family Furnace Only	11,000
Multifamily Furnace Only	7,300

Updated NOx-Emitting Appliance Project Costs

- Comparing previous costs (2023) and updated costs (2024)
  - Slight change of NOx-emitting appliance project costs

E3 NOx-Emitting Water Heating Appliance Costs ($): 2023	
Single-Family	3,000
Multifamily	2,700

E3 NOx-Emitting Water Heating Appliance Costs ($): 2024	
Single-Family	3,300
Multifamily	3,300

Project Cost Summary

Appliance Type	Property Type	Installation Type	Zero-NOx Emission Unit Costs ($)	NOx-Emitting Unit Cost ($)	Additional Project Cost for Choosing Zero-NOx Emission Unit ($)
Space Heating (Rule 1111)	Single-Family	Furnace + AC to Heat Pump	19,000	20,000	**-1,000**
		Furnace to Heat Pump	19,000	11,000	**10,000**
	Multifamily (Cost per unit)	Furnace + AC to Heat Pump	5,900	12,000	**-6,100**
		Furnace to Heat Pump	5,900	7,300	**-1,400**
Water Heating (Rule 1121)	Single-Family	Water Heater	5,400	3,300	**2,100**
	Multifamily	Water Heater	5,400	3,300	**2,100**

Conclusion on Cost Updates

2024 data showed some increases to the project costs

Space heating costs have been consistent

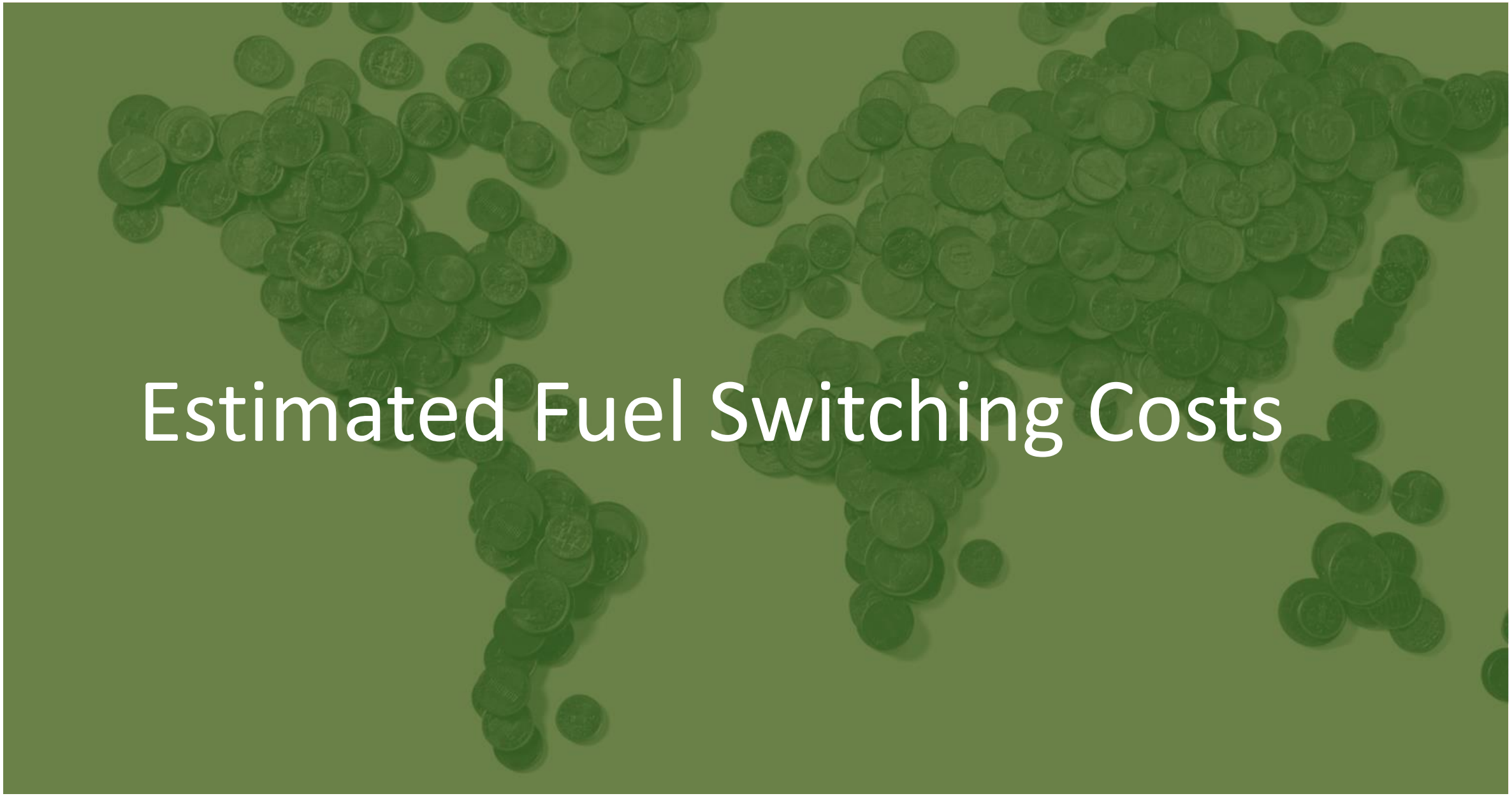
Technology is more mature

Increases were more dramatic for water heating

New plug-in 120V units have significantly lower cost

Higher incentives may drive up project costs

Offset homeowner costs



Estimated Fuel Switching Costs

Utility Rate Forecast

- Staff relies on the California Energy Commission's Integrated Energy Progress Report (IEPR) to estimate future utility costs (i.e., gas and electricity rates)
  - Cost of operating zero-NOx emitting appliance
    - Typically, an electric heat pump
  - Cost of operating NOx-emitting appliance
    - Typically, a natural gas furnace
  - Used residential rate for single-family home and multifamily homes



2025 Integrated Energy Policy Report

Updated Utility Rate Forecast



Prior assessment relied on 2023 forecast for electricity and natural gas rates

Forecast shows natural gas prices increasing at a higher rate than electricity prices

As demand for natural gas decreases, rates expected to increase as fewer consumers left to pay to maintain aging gas infrastructure



December 2024, IEPR updated their electricity rate forecast

Estimated both residential and commercial electricity rates will increase by ~$0.03 per kWh from prior forecast

Climate Zone Fuel Use Assessment

Climate Zone	County Fuel Use
6	Los Angeles and Orange
8	
9	
10	Riverside and San Bernardino
16	

- The South Coast AQMD region ranges from coast to mountains covering five climate zones
  - Different weather patterns by various climate zones could cause distinction of fuel use
  - Income and economy difference may also mean varied equipment installation costs
- Prior analysis assumed same fuel use costs across the region
- To understand the fuel switching costs for regions within the South Coast AQMD, staff evaluated fuel use by climate zone for space heating
  - Water heating cost not impacted by climate zone so cost by climate zone not available

Fuel Use and Fuel Switching Costs

$$Fuel\ Switching\ Cost = (\text{annual electricity use} * \text{average electricity rate over unit lifetime}) - (\text{annual gas use} * \text{average gas rate over unit lifetime})$$

- California Energy Commission Residential Appliance Saturation Study (RASS) used for fuel use for heat pumps and natural gas-fired units
- Fuel use for zones 6, 8, 9, 10, and 16 were used and averaged based on counties represented by the climate zones
  - Fuel use for other climate zones in the South Coast AQMD, such as climate zone 15, not available

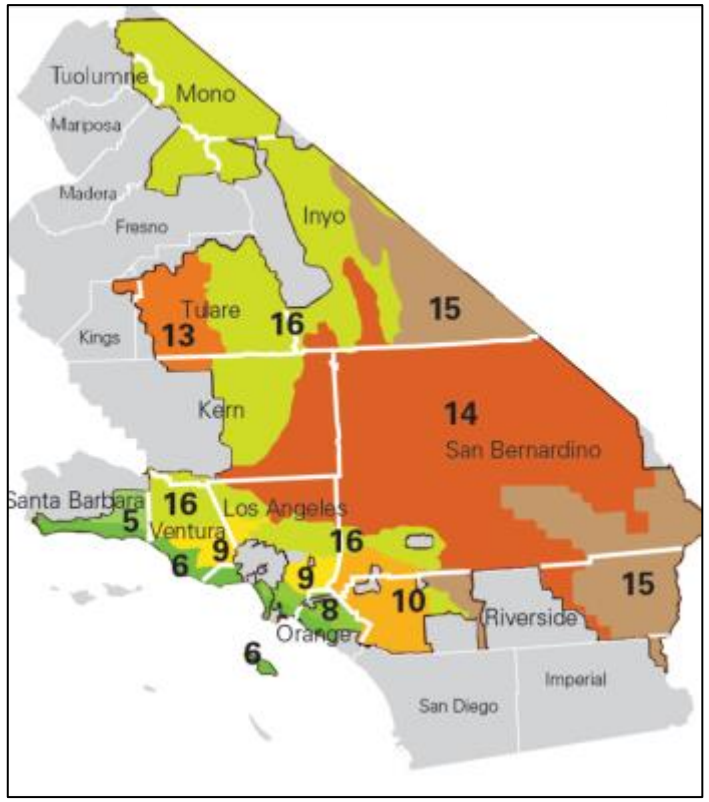


Image Source: Redwood Energy

Updates to Fuel Switching Costs

Rule	Housing Type	Installation Type	Replacement	Previous Cost ($)	Updated Cost ($)
Space Heating (Rule 1111)	Single-Family	Furnace	Heat Pump	-$1,900	-$750
	Multifamily	Furnace	Heat Pump	$200	-$200
Water Heating (Rule 1121)	Single-Family	Water Heater	Heat Pump	-$1,400	-$1,100
	Multifamily	Water Heater	Heat Pump	-$1,400	-$1,100

- As mentioned in previous slides, RASS data by climate zones used for annual fuel use for:
  - Zero-NOx emission units (e.g., heat pumps); and
  - Natural gas-fired units
- Updated fuel switching costs equate to less savings, except for multifamily
  - All scenarios show fuel switching cost savings
  - Utilities bills will be lower

Conclusion on Fuel Switching Cost Update

Climate zone assessment shows more nuanced fuel switching impacts

Fuel switching assessment shows cost savings to operate a heat pump versus NOx-emitting furnace

High efficiency of the heat pump offsets the higher cost of electricity

Updated Cost-Effectiveness Assessment



Updated Cost-Effectiveness Screening Threshold

BARCT assessment requires proposed NOx limits to be technically feasible and cost effective

2022 Air Quality Management Plan established a cost-effectiveness screening threshold using a health benefit-cost approach

- Threshold shall be inflation-adjusted based on the year the costs are brought into analysis
  - 2022 AQMP threshold = $325,000 per ton of NOx reductions by 2021 dollars
  - Previous analysis = $349,000 per ton of NOx reductions by 2022 dollars
  - Updated threshold = **$383,000 per ton of NOx** reductions by 2024 dollars

If cost-effectiveness is above the screening threshold, alternative compliance options must be available

Cost-Effectiveness Calculation

$$Cost\ Effectiveness\left(\$/_{tons\ NOx\ reduced}\right) = \frac{Cost\ Difference\ in\ Initial\ Investment\ Cost + (Fuel\ Switching\ Cost\ * PVF)}{Lifetime\ Emission\ Reductions}$$

- Costs calculated using following variables and sources:
  - Upfront Project Costs
  - Annual Fuel Switching Costs
  - Present Value Factor (PVF) = current worth of future sum of money

Present Value Factor (PVF) Equation

$$PVF = \frac{(1+r)^N - 1}{r * (1+r)^N}$$

r = real interest rate (discount rate, 4%)
N = years of equipment life

Updated Cost-Effectiveness Assumptions

Project Cost Assumptions:

- 2024 costs weighted by county
- Proposal considers replacement at the end of unit lifetime
  - Project costs are the difference in cost between NOx emitting and Zero-NOx emitting appliances

Annual Operating Costs are the Fuel Switching Cost:

- Fuel use based on California Energy Commission Residential Appliance Saturation Study
- 2024 IEPR electricity and gas demand
- Weighted by climate zone

Present Value Factor (PVF) = current worth of future sum of money

- Based on equipment lifetime
  - 25 years for space heating
  - 15 years for water heating

Updated Cost-Effectiveness for Space and Water Heating

Space Heating (PAR 1111)

Housing Type	Scenario	Cost-Effectiveness ($/ton NOx)
Single-Family	Heat Pump Replacing Furnace + AC	-592,000
	Heat Pump Replacing Furnace only	1,730,000
Multifamily	Heat Pump Replacing Furnace + AC	-785,000
	Heat Pump Replacing Furnace only	-197,000

Water Heating (PAR 1121)

Housing Type	Scenario	Cost-Effectiveness ($/ton NOx)
Single-Family and Multifamily	Heat Pump Replacing Conventional Tank Type Water Heater	405,000

Conclusion on Cost-Effectiveness

Space Heating (PAR 1111)

- Cost-effectiveness below screening threshold for a heat pump replacing a HVAC system
- High cost-effectiveness for replacing a furnace only with a heat pump
  - Other lower cost zero-emission technologies exist

Water Heating (PAR 1121)

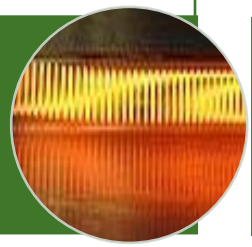
- Based on updated costs, cost-effectiveness just above screening threshold for heat pump replacing NOx-emitting water heater
  - Other lower cost zero-emission technologies exist

Zero-Emission Manufacturer Alternative Compliance Option addresses the cost and concern for consumer choice

- Both zero-NOx emission units and NOx-emitting units will be available
  - Homeowners with high-cost installations can choose to install a NOx-emitting unit

Zero-Emission Space Heating Options

Electric Resistance



- Project costs ~$9,800, about $1,200 cheaper than NOx-emitting unit
- Not preferable in colder climates
  - High cost to operate
- Cost-effective option for where space heating demand is low, e.g., coastal regions

Source: https://www.angi.com/articles/how-much-does-it-cost-install-electric-furnace.htm

Minisplit



- Project cost of $2,000 - $8,800 per single zone unit and a five-zone unit averages $4,800 - $18,000 for large home
- Comprised of indoor and outdoor unit
- Multiple zones allow room level temperature control
- Less expensive to operate than heating/ cooling the entire living space

Source: https://www.bobvila.com/articles/mini-split-installation-cost

Wall and Window Units



- Low-cost alternative that costs ~$500 per unit, versus ~$300 for window AC
- Unit that straddle units developed as a low-cost solution at ~$3,800 per unit
- Wall/window units that can be quickly installed without the need for an installer

Source: https://www.gradientcomfort.com/

Zero-Emission Water Heating Options

TECH Clean California real-world project cost

240V vs. 120V Installations in the South Coast AQMD in 2024

	240V & 120V	240V	120V
Number of Installations	1,212	1,006	206
Percentage Needing Electrical Upgrades	15.8%	18.6%	2.4%
Percentage Installed in Disadvantaged Community	46.7%	42.7%	66.0%
Project Cost Median ($)	6,900	7,100	3,900

- 120V heat pump water heaters introduced in 2023
  - Designed for existing building retrofits
- 120V heat pump water heaters have lower percentage that need a panel upgrade
  - Plug into a standard wall socket
- Promising solution for retrofits and installation in disadvantaged communities

120V Costs Compared with NOx Emitting Water Heater

	120V Zero Emission Cost($)	NOx Emitting Cost ($)	Project Cost Saving ($)	Lifetime Utility Savings ($)
Water Heater	3,300	3,900	600	1,100

Socioeconomic Impact Assessment

- A Socioeconomic Impact Assessment will be prepared and released for public review and comment at least 30 days prior to the South Coast AQMD Governing Board Hearing for PAR 1111 and PAR 1121, which is scheduled for May 2, 2025 (subject to change)

- The analysis will consider:
  - Range of probable costs or savings
  - Type of affected industries, including small business
  - Impact on employment and the regional economy

California Environmental Quality Act (CEQA)

Draft Subsequent Environmental Assessment (SEA) for PAR 1111 and PAR 1121:

- Tiers off the Final Program Environmental Impact Report (EIR) for 2022 AQMP
- Released for a 46-day public review and comment period from September 27, 2024 to November 12, 2024
- Analysis based on September 2024 versions of PAR 1111 and PAR 1121
- Potentially significant adverse impacts and mitigation measures identified for:
  - Air Quality during construction
  - Energy due to increased demand for electricity and natural gas
- February 2025 versions of PAR 1111 and PAR 1121 provide more flexibility and result in fewer adverse impacts and fewer NOx emission reductions than what was initially analyzed in the Draft SEA

Staff Conclusions and Takeaways

Zero emission space and water heating appliances are commercially available

Space Heating Costs

- Replacing furnace & air conditioner with heat pump will save on upfront costs and monthly utility bills
- Replacing only a furnace with central heat pump will have higher upfront costs but monthly utility bills will be lower
  - Other zero-emission options can save on upfront costs
  - New rule concept that allows for NOx emitting unit sales addresses high-cost scenarios

Water Heating Costs

- Replacing conventional water heater with heat pump will have higher upfront costs but monthly utility bills will be lower
  - New 120V water heaters can save on upfront costs
  - New rule concept that allows for NOx emitting unit sales addresses high-cost scenarios

Rebates and incentives are available to offset upfront costs

Next Steps

March 2025
Stationary Source Committee

Spring 2025
Launch Go Zero Incentive Program

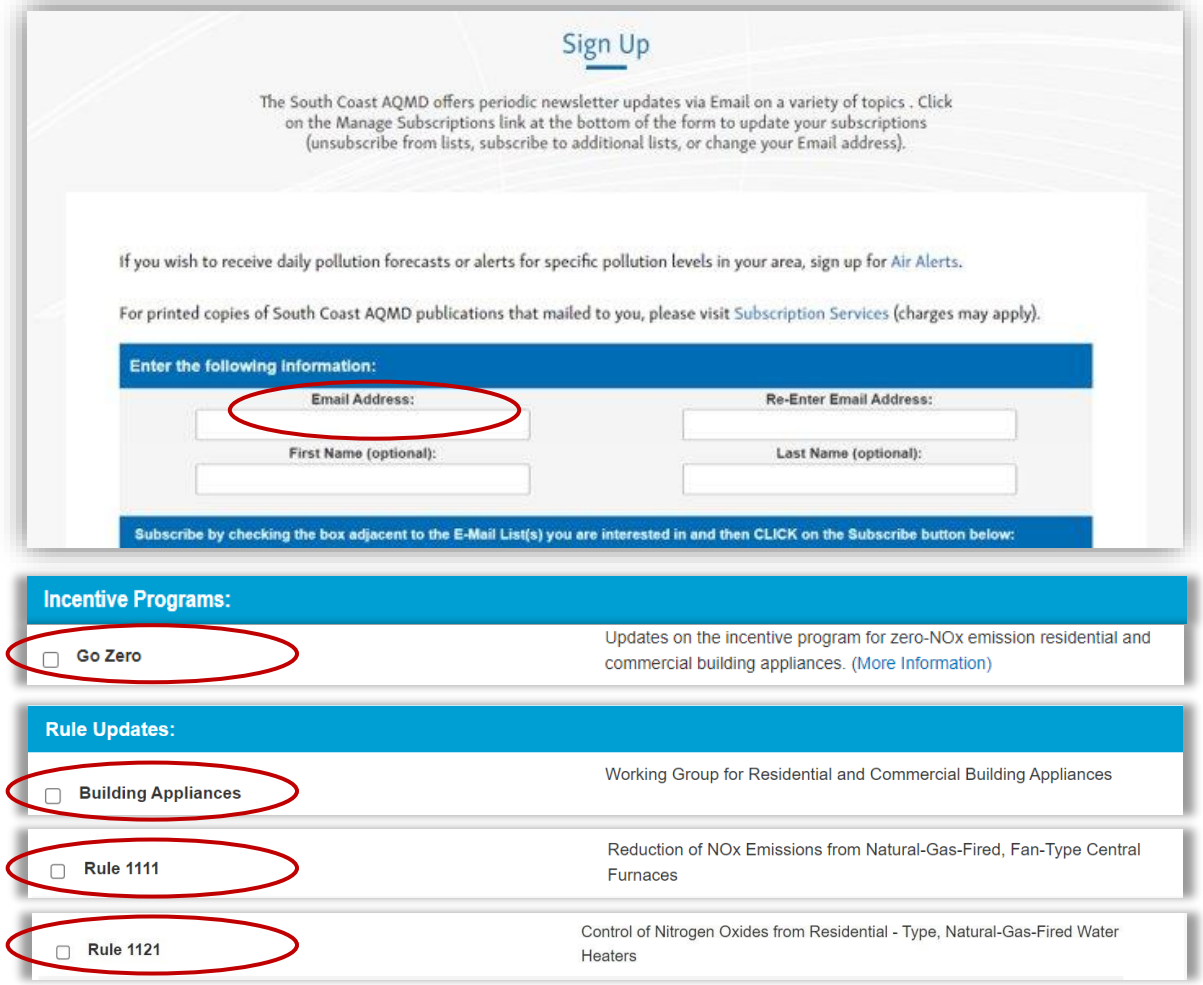
April 1, 2025
Release draft PAR 1111 and PAR 1121 and draft supporting documents

May 2, 2025 (subject to change)
Public Hearing

Sign Up for Notifications

- To receive newsletter updates via email for notifications regarding Go Zero, 1111 and 1121 rule development, or other forthcoming building appliances rules, please subscribe by checking the **Go Zero**, **Rule 1111, Rule 1121,** or **Building Appliances** check boxes located under Rule Updates: http://www.aqmd.gov/sign-up

- Visit our newly redesigned Residential Building Appliance Clearinghouse Webpage: https://www.aqmd.gov/home/rules-compliance/residential-and-commercial-building-appliances



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(Adopted December 1, 1978)(Amended July 8, 1983)(Amended November 6, 2009)
(Amended September 5, 2014)(Amended March 2, 2018)(Amended July 6, 2018)
(Amended December 6, 2019)(Amended September 4, 2020)(Amended October 1, 2021)
(Amended September 1, 2023)(Amended [DATE OF RULE ADOPTION])

PROPOSED AMENDED RULE 1111 REDUCTION OF NOx EMISSIONS FROM NATURAL- GAS- FIRED ~~, FAN TYPE CENTRAL~~ FURNACES

[*RULE INDEX TO BE ADDED AFTER RULE ADOPTION*]

(a) Purpose ~~and Applicability~~

The purpose of this rule is to reduce Oxides of Nitrogen (NOx) emissions from ~~fan-type central furnaces~~ Furnaces used for interior space heating, as defined in this rule. ~~This rule applies to manufacturers, distributors, sellers, and installers of residential and commercial fan-type central furnaces, requiring either single-phase or three-phase electric supply, used for comfort heating with a rated heat input capacity of less than 175,000 BTU per hour, or, for combination heating and cooling units, a cooling rate of less than 65,000 BTU per hour.~~

(b) Applicability

The provisions of this rule are applicable to manufacturers, distributors, retailers, Resellers, and Installers of Furnaces used for interior space heating with a Rated Heat Input Capacity less than 175,000 British thermal units (Btu) per hour, or, for combination heating and cooling units, a cooling rate of less than 65,000 Btu per hour.

(~~b~~c) Definitions

(1) ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE) is defined in Section 10.1 of Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N.

~~(2) BTU means British thermal unit or units.~~

(~~3~~2) CONDENSING FURNACE means a high-efficiency ~~furnace~~ Residential Fan-Type Central Furnace that uses a second heat exchanger to extract the latent heat in the flue gas by cooling the combustion gas~~s~~es to near ambient temperature so that water vapor condenses in the heat exchanger, and is collected and drained.

(~~4~~3) DOWNFLOW FURNACE means a ~~condensing~~ Condensing or ~~non-condensing~~Non-Condensing ~~furnace~~ Furnace installed in a configuration in

which the furnace takes in cool air from the top, warms it, then releases the warm air through the ductwork below.

~~(5) DUAL FUEL SYSTEM is a heating, ventilation, and air conditioning system utilizing a HEAT PUMP as the primary source of heating and cooling with a FAN-TYPE CENTRAL FURNACE serving as auxiliary heating.~~

(4) EXISTING BUILDING means a building that is not a New Building as defined in this rule.

~~(6) FAN-TYPE CENTRAL FURNACE is a self-contained space heater using natural gas, or any fan-type central furnace that is in natural gas-firing mode, providing for circulation of heated air at pressures other than atmospheric through ducts more than 10 inches in length that have:~~

~~(A) a RATED HEAT INPUT CAPACITY of less than 175,000 BTU per hour; or~~

~~(B) for combination heating and cooling units, a cooling rate of less than 65,000 BTU per hour.~~

(5) FLOOR FURNACE means a self-contained, floor-mounted space heater using natural gas without ducts that has a Rated Heat Input Capacity at or less than 175,000 Btu per hour.

(6) FURNACE means any Residential Fan-Type Central Furnace, Wall Furnace, or Floor Furnace as defined in this rule.

(7) HEAT INPUT ~~means the higher heating value of the fuel to the furnace measured as BTU per hour.~~ means the chemical heat released due to assumed complete combustion of fuel to a Furnace, using the higher heating value of the fuel. This does not include the sensible heat of incoming combustion air.

(8) HEAT PUMP means an all-electric device that utilizes condensation and evaporation of refrigerant to absorb and release heat for heating, ventilation, and air conditioning applications.

(9) INSTALL means the action of an Installer to place a Furnace in a position ready for use.

(10) INSTALLER means a person who Installs a Furnace and is required to obtain a license issued by the Department of Consumer Affairs Contractors State License Board for a classification related to buildings and appliances.

(~~9~~11) MOBILE HOME means a ~~prefabricated structure on a permanently attached chassis.~~structure, transportable in one or more sections, that is built

on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities.

(~~10~~12) MOBILE HOME FURNACE means a Residential Fan-Type Central ~~furnace~~ Furnace designed specifically and solely for installation to heat a mobile home.

(13) NEW BUILDING means a building that is newly constructed or a building with a major alteration which changes the occupancy classification of a building, which means a change in the formal designation of the primary purpose of the building pursuant to 2022 Title 24 California Building Code Part 2 Chapter 3 for occupancy classification and use, or any subsequent version of the Building Code. For Mobile Homes, the newly constructed building includes installation of the Mobile Home onto the property of residence.

(14) NON-CONDENSING FURNACE means a standard Residential Fan-Type Central Furnace that is not a Condensing Furnace, Weatherized Furnace, or Mobile Home Furnace.

(~~11~~15) NOx EMISSIONS means the sum of ~~nitrogen~~ nitric oxide and nitrogen dioxide ~~(oxides of nitrogen) in the flue gas~~ emitted, calculated, and ~~collectively~~ expressed as nitrogen dioxide.

(~~12~~16) RATED HEAT INPUT CAPACITY means the gross ~~HEAT INPUT~~Heat Input of the combustion device, as supported by required documentation.

(17) RESELLER means anyone who sells Furnace(s) either retail, wholesale, or on an individual basis.

(18) RESIDENTIAL FAN-TYPE CENTRAL FURNACE is a self-contained natural gas-fired space heater, or any fan-type central furnace that is in natural gas-firing mode, providing for circulation of heated air at pressures other than atmospheric through ducts more than 10 inches in length that has:

(A) A Rated Heat Input Capacity less than 175,000 Btu per hour; or

(B) For combination heating and cooling units, a cooling rate of less than 65,000 Btu per hour.

(~~13~~19) RESPONSIBLE OFFICIAL means:

(A) For a corporation: a president or vice-president of the corporation in charge of a principal business function or a duly authorized person who performs similar policy-making functions for the corporation, or

(B) For a partnership or sole proprietorship: general partner or proprietor, respectively.

~~(14) SINGLE FIRING RATE means the burners and control system are designed to operate at only one fuel input rate and the control system cycles burners between the maximum heat output and no heat output.~~

(~~15~~20) USEFUL HEAT DELIVERED TO THE HEATED SPACE is the AFUE (expressed as a fraction) multiplied by the heat input.

~~(16) VARIABLE FIRING RATE means the burners and control system are designed to operate at more than one fuel input rate and the control system cycles burners between two or more heat output rates and no heat output.~~

(21) WALL FURNACE means a wall-mounted, self-contained space heater using natural gas without ducts that exceed 10 inches that has a Rated Heat Input Capacity less than 175,000 Btu per hour.

(~~17~~22) WEATHERIZED means a Residential Fan-Type Central Furnace designed for installation outside of a building, equipped with a protective jacket and integral venting, and labeled for outdoor installation.

(23) ZERO-NOx EMISSION UNIT means an appliance that provides space heating with heating capacity equivalent to Furnaces subjected to this rule and emits no more than zero nanograms of NOx per joule of Useful Heat Delivered To The Heated Space (ng/J).

(~~c~~d) Requirements

~~(1) A manufacturer shall not, after January 1, 1984, manufacture or supply for sale or use in the South Coast AQMD fan-type central furnaces, unless such furnaces meet the requirements of paragraph (c)(3).~~

~~(2) A person shall not, after April 2, 1984, sell or offer for sale within the South Coast AQMD fan-type central furnaces unless such furnaces meet the requirements of paragraph (c)(3).~~

~~(3) Fan-type central furnaces shall:~~

~~(A) not emit more than 40 nanograms of oxides of nitrogen (calculated as NO_2) per joule of useful heat delivered to the heated space; and~~

~~(B) be certified in accordance with subdivision (d) of this rule.~~

(~~4~~1) ~~On or after October 1, 2012~~No person shall ~~not~~ manufacture, supply, sell, resell, offer for sale, import, or ~~install~~Install, for use within the South Coast AQMD, ~~fan-type central furnaces subject to this rule~~ any of the following Furnaces, unless such ~~furnace~~Furnace is certified pursuant to subdivision

(e) not to exceed ~~complies with~~ the applicable Table 1 emission limit ~~and compliance date set forth in Table 1 and is certified in accordance with subdivision (d) of this rule.~~, expressed by nanograms of NOx per joule of Useful Heat Delivered to the Heated Space (ng/J):

(A) Any Residential Fan-Type Central Furnace prior to the applicable Table 2 compliance date, except for Mobile Home Furnaces for Existing Buildings; and

(B) Any Mobile Home Furnace for Existing Buildings.

~~Table 1 – Furnace NOx Limits and Compliance Schedule~~

~~Compliance Date~~	~~Equipment Category~~	~~NOx Emission Limit (nanograms/Joule *)~~
~~October 1, 2012~~	~~Mobile Home Furnace~~	~~40~~
~~April 1, 2015~~	~~Condensing Furnace~~	~~14~~
~~October 1, 2015~~	~~Non-condensing Furnace~~	~~14~~
~~October 1, 2016~~	~~Weatherized Furnace~~	~~14~~
~~October 1, 2018~~	~~Mobile Home Furnace~~	~~14~~

Table 1 – Residential Fan-Type Central Furnace NOx Limits

Equipment Category	**NOx Emission Limit (ng/J)**
Condensing Furnace	14
Non-Condensing Furnace	14
Weatherized Furnace	14
Mobile Home Furnace	14

(2) On and after the applicable Table 2 compliance date, no person shall manufacture, supply, sell, resell, offer for sale, import, or Install, any Furnace for use in the South Coast AQMD, that exceeds the Table 2 NOx emission limits. The applicable Table 2 compliance dates for New Building types shall be determined based on the construction or alteration completion date.

Table 2 – Zero-Emission Limits and Compliance Schedule

Equipment Category	NOx Emission Limit (ng/J)	Building Type	Compliance Date
Residential Fan-Type Central Furnace[1]	0	New	January 1, 2027
		Existing	January 1, 2029
Mobile Home Furnace	0	New	January 1, 2027
Wall Furnace and Floor Furnace	0	New	January 1, 2027
		Existing	January 1, 2029

[1] Includes Condensing, Non-Condensing, and Weatherized Furnaces.

~~(5) Any manufacturer of fan-type central furnaces regulated by this rule may elect to pay a per unit mitigation fee in lieu of meeting the 14 nanogram/Joule NOx emission limit in Table 1 of paragraph (c)(4) of this rule, provided the manufacturer complies with the following requirements:~~

~~(A) Prior to the phase one mitigation fee start date specified in Table 2, pays a per unit mitigation fee of $200 for each condensing furnace and $150 for each other type of furnace distributed or sold into the South Coast AQMD, disregarding the furnace size.~~

~~(B) On and after the phase one mitigation fee start date but no later than the mitigation fee option end date specified in Table 2, pays a per unit phase one or phase two mitigation fee for each condensing, non-condensing, weatherized or mobile home furnace according to Table 2.~~

~~Table 2 – Alternate Compliance Plan with the Phase One and Phase Two Mitigation Fee Schedules~~

~~Furnace~~		~~Phase One Mitigation Fee~~		~~Phase Two Mitigation Fee~~		
~~Size Range~~	~~Furnace Category~~	~~Phase One Mitigation~~	~~Phase One Mitigation Fee ($/Unit)~~	~~Phase Two Mitigation Fee Start Date~~	~~Phase Two Mitigation Fee ($/Unit)~~	~~Phase Two Mitigation Fee Option End Date~~

		~~Fee Start Date~~				
~~≤ 60,000 BTU/hr~~	~~Condensing~~	~~May 1, 2018~~	~~$275~~	~~October 1, 2018~~	~~$350~~	~~September 30, 2019~~
	~~Non-condensing~~	~~October 1, 2018~~	~~$225~~	~~April 1, 2019~~	~~$300~~	~~September 30, 2019~~
	~~Weatherized~~	~~October 1, 2018~~	~~$225~~	~~April 1, 2019~~	~~$300~~	~~September 30, 2021~~
	~~Mobile Home~~	~~October 1, 2018~~	~~$150~~	~~April 1, 2019~~	~~$150~~	~~September 30, 2025~~
~~> 60,000 Btu/hr and ≤ 90,000 BTU/hr~~	~~Condensing~~	~~May 1, 2018~~	~~$300~~	~~October 1, 2018~~	~~$400~~	~~September 30, 2019~~
	~~Non-condensing~~	~~October 1, 2018~~	~~$250~~	~~April 1, 2019~~	~~$350~~	~~September 30, 2019~~
	~~Weatherized~~	~~October 1, 2018~~	~~$250~~	~~April 1, 2019~~	~~$350~~	~~September 30, 2021~~
	~~Mobile Home~~	~~October 1, 2018~~	~~$150~~	~~April 1, 2019~~	~~$150~~	~~September 30, 2025~~
~~> 90,000 BTU/hr~~	~~Condensing~~	~~May 1, 2018~~	~~$325~~	~~October 1, 2018~~	~~$450~~	~~September 30, 2019~~
	~~Non-condensing~~	~~October 1, 2018~~	~~$275~~	~~April 1, 2019~~	~~$400~~	~~September 30, 2019~~
	~~Weatherized~~	~~October 1, 2018~~	~~$275~~	~~April 1, 2019~~	~~$400~~	~~September 30, 2021~~
	~~Mobile Home~~	~~October 1, 2018~~	~~$150~~	~~April 1, 2019~~	~~$150~~	~~September 30, 2025~~

~~(C) Submits an alternate compliance plan for each 12-month time period after the applicable Table 1 compliance date during which the manufacturer elects to pay the mitigation fee in lieu of meeting the NOx emission limit.~~

~~(D) Submits to the South Coast AQMD an alternate compliance plan no later than 60 days prior to the applicable compliance date, or no later than March 16, 2018 for the condensing furnace compliance plan starting on April 1, 2018, which includes the following:~~

~~(i) a letter with the name of the manufacturer requesting the mitigation fee compliance option signed by a responsible official identifying the category of fan-type central furnaces and the 12 month alternate compliance period that the mitigation fees cover;~~

~~(ii) an estimate of the quantity of applicable Rule 1111 fan-type central furnaces to be distributed or sold into the South Coast AQMD during the alternate compliance period, which estimate shall be based on total distribution and sales records~~

~~or invoices of weatherized or mobile home fan-type central furnaces that were distributed or sold into the South Coast AQMD during the 12 month period of July 1 to June 30 prior to the applicable compliance date, along with supporting documentation;~~

~~(iii) a completed South Coast AQMD Form 400A with company name, identification that application is for an alternate compliance plan (section 7 of form), identification that the request is for the Rule 1111 mitigation fee compliance option (section 9 of form), and signature of the responsible official;~~

~~(iv) a check for payment of the alternate compliance plan filing fee (Rule 306, subdivision (c)).~~

~~(E) Submits to the Executive Officer a report signed by the responsible official for the manufacturer identifying by model number the quantity of Rule 1111 fan-type central furnaces actually distributed or sold into South Coast AQMD and a check for payment of mitigation fees for the applicable 12 month alternate compliance period for the quantity of applicable Rule 1111 fan-type central furnaces distributed or sold into the South Coast AQMD during the alternate compliance period. The report and the payment of mitigation fees must be submitted to the South Coast AQMD no later than thirty (30) days after the end of each 12-month mitigation fee alternate compliance period.~~

~~(F) Notwithstanding the requirements set forth in subparagraph (c)(5)(E), during the phase one period specified in Table 2, submits a report signed by the responsible official for the manufacturer identifying by model number the quantity of Rule 1111 fan-type central furnaces actually distributed or sold into South Coast AQMD and a check for payment of mitigation fees for the phase one period no later than thirty (30) days after the end of the phase one period. The 12-month compliance plan payment as specified in subparagraph (c)(5)(E) that includes this phase one period shall be reconciled so as not to include the phase one payment.~~

~~(G) For the last and remaining 6-month period of the condensing furnace final alternate compliance plan ending on September 30, 2019,~~

~~specified in Table 2, submits a report signed by the responsible official for the manufacturer identifying by model number the quantity of Rule 1111 fan-type central furnaces – condensing furnaces actually distributed or sold into South Coast AQMD and a check for payment of mitigation fees to the South Coast AQMD no later than October 30, 2019.~~

(~~d~~e) Certification

(1) The manufacturer shall have each ~~appliance~~ Furnace model that is required to be certified to meet Table 1 emission limits tested in accordance with the following:

(A) ~~Oxides of nitrogen~~NOx measurements, test equipment, and other required test procedures ~~shall be~~ in accordance with South Coast AQMD Method 100.1~~.~~; and

(B) Operation of the ~~furnace~~ Furnace ~~shall be~~ in accordance with the procedures specified in:

(i) Section 4.0 of Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N~~.~~; or

(ii) South Coast AQMD Rule 1111 Nitrogen Oxides Emissions Compliance Testing for Natural Gas-Fired, Fan-Type Central Furnaces certification protocol.

(2) One of the two formulas shown below shall be used to determine the nanograms of ~~oxides of nitrogen~~NOx per joule of ~~useful heat delivered to the heated space:~~Useful Heat Delivered to the Heated Space:

$$N = \frac{4.566 \times 10^{4} \times P \times U_{c}}{H \times C \times E} \qquad N = \frac{3.655 \times 10^{10} \times P}{(20.9 - Y) \times Z \times E}$$

Where:

N = ~~nanograms~~ ng/J of emitted ~~oxides of nitrogen~~NOx ~~per joule~~ of useful heat.

P = concentration (parts per million by~~ppm~~ volume) of ~~oxides of nitrogen~~ NOx in flue gas as tested.

U = volume percent carbon dioxide (CO_2) in water-free flue gas for stoichiometric combustion.

H = gross heating value of fuel, ~~BTU/cu.ft.~~ Btu/ft^3 (60°F, 30-in. Hg).

C = measured volume percent of CO_2 in water-free flue gas, assuming complete combustion and no carbon monoxide ~~CO~~ present.

E = AFUE, percent

Y = volume percent of oxygen ~~O_2~~ in flue gas.

Z = heating value of gas, ~~joules/cu. meter~~ J/m^3 (0.0°C, 1 ~~ATM~~atmosphere).

(3) ~~Prior to the date a furnace model is first shipped to a location in the South Coast AQMD for use in the South Coast AQMD, the manufacturer shall obtain Executive Officer's approval for the emission test protocol and emission test results verifying compliance with the applicable NOx limit specified in Table 1, submitting the following~~When applying for certification of Furnaces, the manufacturer shall submit to the Executive Officer the following:

(A) A statement ~~that~~ indicating the model is in compliance with subdivision ~~(c)~~(d) that is ~~(The statement shall be~~ signed and dated by a ~~responsible official~~ Responsible Official, ~~and dated, and shall~~ attesting to the accuracy of all statements~~.)~~;

(B) General Information, including:

(i) Name and address of manufacturer~~.~~;

(ii) Brand name; and~~.~~

(iii) Model number, as it appears on the ~~furnace~~ Furnace rating plate~~.~~;

(C) A description of the ~~furnace~~ Furnace and specifications for each model being certified~~.~~; and

(D) A source test report verifying compliance with the emission limits in subdivision (d) for each model to be certified. The source test report shall contain all the elements identified in the procedures specified in (e)(2) for each unit tested.

(4) When applying for certification of Furnaces, the manufacturer shall submit the items identified in paragraph (e)(3) no more than 180 days after the date of the source test identified in subparagraph (e)(3)(D).

~~(e) Identification of Compliant Units~~

~~(1) The manufacturer of the furnace complying with subdivisions (c) and (d) shall display the following on the shipping container label and rating plate of the furnaceFurnace:~~

~~(A) Model number;~~

~~(B) Heat input capacity;~~

~~(C) Applicable NOx emission limit in Table 1; and~~

~~(D) Date of manufacture or date code.~~

~~(2) Any non-certified furnace shipped to a location in the South Coast AQMD for distribution or sale outside of the South Coast AQMD shall have a label on the shipping container identifying the furnace as not certified for use in the South Coast AQMD.~~

~~(3) Consumer Notification Requirement~~

~~(A) For the purposes of subparagraph (e)(3)(B), "Informative Materials" shall mean the following:~~

~~(i) The consumer brochure for the furnace;~~

~~(ii) The technical specification sheet for the furnace; and~~

~~(iii) The manufacturer's website that promotes, discusses, or lists the furnace.~~

~~(B) Effective October 1, 2018, for any furnace that is for distribution or sale inside of the South Coast that is using an alternate compliance plan in lieu of meeting the 14 ng/J certification limit, a manufacturer shall only distribute or publish Informative Materials that clearly display the following language: "If installed in South Coast AQMD only: This furnace does not meet the South Coast AQMD Rule 1111 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of up to $450. This furnace is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com."~~

~~(C) A manufacturer may use alternative language in lieu of subparagraph (e)(3)(B), provided the alternative language is:~~

~~(i) Similar to the language in subparagraph (e)(3)(B);~~

~~(ii) Submitted to the Executive Officer by August 1, 2018; and~~

~~(iii) Approved by the Executive Officer no later than August 31, 2018.~~

~~The manufacturer shall use the language in subparagraph (e)(3)(B) if the alternative language is not approved.~~

(f) Alternative Compliance Options

(1) Mitigation Fee Alternative Compliance Option for Mobile Home Furnaces

A manufacturer of Mobile Home Furnaces may elect to pay a per unit mitigation fee for selling or enabling distributors, retailers, Resellers, or Installers to sell Mobile Home Furnaces certified to emit 40 ng/J or less of NOx in lieu of complying with the 14 ng/J NOx emission limit in Table 1, provided the manufacturer complies with the following requirements:

(A) Pays a per unit mitigation fee of:

(i) Until September 30, 2025, $150 for each Mobile Home Furnace distributed or sold into or within the South Coast AQMD; and

(ii) On and after October 1, 2025, $100 for each Mobile Home Furnace distributed or sold into or within the South Coast AQMD;

(B) Submits an alternative compliance plan, no later than August 1st, for each 12-month time period that begins on October 1 during which the manufacturer elects to pay the mitigation fee in lieu of meeting the NOx emission limit that includes:

(i) A letter with the name of the manufacturer requesting the Mobile Home mitigation fee compliance option signed by a Responsible Official and the 12-month alternate compliance period that the mitigation fees cover;

(ii) An estimate of the quantity of applicable Mobile Home Furnace to be distributed or sold into or within the South Coast AQMD during the alternate compliance period, which estimate shall be based on total distribution and sales records or invoices of Mobile Home Furnaces that were distributed or sold into or within the South Coast AQMD during the 12-month period of July 1 to June 30 prior to the applicable compliance date, along with supporting documentation;

(iii) A complete South Coast AQMD Form 400A with company name, identification that application is for an alternative compliance plan (section 7 of form), identification that the request is for the Rule 1111 mitigation fee compliance option (section 9 of form), and signature of the Responsible Official; and

(iv) Payment for the alternate compliance plan filing fee pursuant to Rule 306– Plan Fees.

(C) Submits to the Executive Officer a report signed by the Responsible Official for the manufacturer, no later than 90 days after the end of each 12-month mitigation fee alternate compliance period, that shall for the applicable 12-month alternate compliance period:

(i) Identify each model number and the quantity of Mobile Home Furnaces distributed or sold into or within South Coast AQMD; and

(ii) Include the payment of mitigation fees.

(2) Zero-Emission Manufacturer (ZEM) Alternative Compliance Option

Any manufacturer of Furnaces subject to this rule may elect to comply with the ZEM Alternative Compliance Option in lieu of complying with paragraph (d)(2) provided:

(A) The manufacturer submits an alternative compliance plan, no later than November 1, 2026, that includes:

(i) A letter with the name of the manufacturer requesting the ZEM alternative compliance option signed by a Responsible Official;

(ii) A complete South Coast AQMD Form 400A with company name, indicating the application is for a compliance plan (section 7 of form), indicating the request is for the "Rule 1111 ZEM alternative compliance option" (section 9 of form), and signature of the Responsible Official; and

(iii) Payment for the alternate compliance plan filing fee pursuant to Rule 306– Plan Fees.

(B) The manufacturer sells, or enables distributors, retailers, Resellers, or Installers to sell, Zero-NOx Emission Units into or within the South Coast AQMD at a percentage greater than or equal to the Zero-NOx Emission Unit Sales Target specified in Table 3;

(C) The Furnaces sold under this alternative compliance option are certified to emit 14 ng/J or less of NOx;

(D) The manufacturer pays $100 mitigation fee for each Furnace sold; and

(E) The manufacturer submits a report and mitigation fee payment pursuant to paragraph (g)(2) no later than 90 days after the end of each calendar year utilizing this alternative compliance option.

Table 3 – ZEM Alternative Compliance Option Targets and Mitigation Fee Schedule

Compliance phase	Phase 1	Phase 2	Phase 3	Phase 4
Calendar Years	2027 - 2028	2029 - 2032	2033-2035	2036 and after
Zero-NOx Emission Unit Sales Target[1]	30 percent	50 percent	75 percent	90 percent
Furnace Sales Target	70 percent	50 percent	25 percent	10 percent
Mitigation Fee for Furnaces Sold Over Target ($ per Furnace)	$500	$600	$700	$800

[1] Sales target represents the percent of Zero-NOx Emission Units a manufacturer sells in a calendar year into or within the South Coast AQMD compared to the total number of furnaces and Zero-NOx Emission Units sales in a calendar year into or within the South Coast AQMD.

(3) ZEM Alternative Compliance Option Sales Target Deviation

Any manufacturer of Furnaces subject to this rule that elects to comply with the ZEM Alternative Compliance Option pursuant to paragraph (f)(2) that deviates from the applicable Sales Targets in Table 3 shall:

(A) If the annual percentage of Furnaces sold is greater than the applicable calendar year Furnace Sales Target specified in Table 3, pay the mitigation fee specified in Table 3 for each Furnace sold above the sales target; or

(B) If the annual percentage of Zero-NOx Emission Units sold is greater than the applicable calendar year Zero-NOx Emission Unit Sales Target specified in Table 3, apply a discount to their annual mitigation fee required pursuant to subparagraph (f)(2)(D) according to the following equation:

$$Discounted\ Mitigation\ Fee = F - F \times \frac{(P-T)}{(100-T)}$$

Where:
F = Annual Mitigation Fee
P = Reported Percent Zero-NOx Emission Units
T = Sales Target

(g) Labeling, Reporting, and Recordkeeping

(1) Labeling Requirements for Mobile Home Furnace

(A) For any Mobile Home Furnace that is for distribution or sale inside of the South Coast AQMD that is using an alternative compliance plan in lieu of meeting the 14 ng/J certification limit, a manufacturer shall distribute or publish Informative Materials that clearly display the following language: "If installed in South Coast AQMD only: This furnace does not meet the South Coast AQMD Rule 1111 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of $150 before September 30, 2025, and $100 thereafter."

(B) For the purposes of subparagraph (g)(1)(A), "Informative Materials" shall mean the following:

(i) The consumer brochure for the Furnace;

(ii) The technical specification sheet for the Furnace; and

(iii) The manufacturer's website that promotes, discusses, or lists the Furnace.

(C) A manufacturer may use alternative language in lieu of subparagraph (g)(1)(A), provided the alternative language is:

(i) Similar to the language in subparagraph (g)(1)(A); and

(ii) Submitted to the Executive Officer no later than [90 days after Date of Rule Adoption].

(D) The manufacturer shall use the language in subparagraph (g)(1)(A) if the alternative language is not approved.

(2) Reporting and Recordkeeping Requirements for ZEM Alternative Compliance Option

The manufacturer of a Furnace supplied or offered for use within the South Coast AQMD in accordance with the ZEM alternative compliance option in paragraph (f)(2) shall:

(A) Submit to the Executive Officer a report, signed by the Responsible Official for the manufacturer pursuant to the schedule in paragraph (f)(2)(E), that includes:

(i) Each model number and the quantity of Zero-NOx Emission Units distributed or sold into or within South Coast AQMD for the applicable calendar year; and

(ii) Each model number and the quantity of Furnaces distributed or sold into or within South Coast AQMD for the applicable calendar year;

(B) Maintain records for at least five years, including, but not limited to, the following information and make them available to the Executive Officer upon request:

(i) Model number and serial number of each Zero-NOx Emission Unit;

(ii) Model number and serial number of each Furnace;

(iii) Date and number of Furnaces and Zero-Emission Units sold to a distributor; and

(iv) The distributor's name, address, and phone number.

(3) Labeling and Recordkeeping Requirements for Propane Conversion Kits

If the manufacturer, distributor, Reseller, or Installer of any Furnace elects to comply pursuant to the exemption in paragraph (h)(1):

(A) The shipping carton or the name plate of the furnace shall clearly display: "This furnace is to be installed for propane firing only. Operating in natural gas mode is in violation of the South Coast AQMD Rule 1111"; and

(B) The manufacturer shall submit a report by March 1st of the following calendar year to the Executive Officer, which includes, but not limited to:

(i) The quantity of propane conversion kits for Furnaces distributed or sold for use into South Coast AQMD for the applicable compliance plan period; and

(ii) The quantity of propane conversion kits for Furnaces distributed or sold for use into the South Coast AQMD during the 12 month period of July 1 to June 30 prior to the applicable compliance date.

(4) New and Existing Building Labeling Requirements

For any Furnace , except Mobile Home Furnace, that is supplied or offered for sale for use in the South Coast AQMD, and that is not electing to comply with paragraph (f)(2) for ZEM alternative compliance option during the period of January 1, 2027 to January 1, 2029, the manufacturer of the Furnace shall clearly display on the shipping container, or the name plate of the Furnace, the following:

(A) "If Installed in South Coast AQMD: 1) After January 1, 2027, this furnace shall not be sold for installation in new buildings; and 2) After January 1, 2029, not compliant for use and installation in South Coast AQMD.";

(B) A manufacturer may use alternative language in lieu of subparagraph (g)(4)(A), provided the alternative language is:

(i) Similar to the language in subparagraph (g)(4)(A); and

(ii) Submitted to the Executive Officer prior to October 1, 2025; and

(C) The manufacturer shall use the language in subparagraph (g)(4)(A) if the alternative language is not approved.

(5) The manufacturer of the Furnace complying with subdivisions (d) and (e) shall display the following on the shipping container label and rating plate of the Furnace:

(A) Model number;

(B) Rated Heat Input Capacity;

(C) Applicable NOx emission limit in Table 1; and

(D) Date of manufacture or date code.

(6) Any non-certified Furnace shipped to a location in the South Coast AQMD for distribution or sale outside of the South Coast AQMD shall have a label on the shipping container identifying the Furnace as not certified for use in the South Coast AQMD.

~~(f) Enforcement~~

~~The Executive Officer may periodically conduct such tests as are deemed necessary to ensure compliance with subdivisions (c), (d), and (e).~~

(~~g~~h) Exemptions

~~(1) The provisions of this rule shall not apply to furnaces installed in mobile homes before October 1, 2012.~~

~~(2) For furnaces manufactured, purchased, and delivered to the South Coast AQMD prior to the applicable compliance date in Table 1, any person may, until 300 days after the applicable compliance date, sell, offer for sale, or install such a furnace in the South Coast AQMD, so long as the furnace meets the requirements of paragraph (c)(3) and subdivisions (d) and (e).~~

~~(3) For furnaces that have been encumbered in a contractual agreement, signed prior to January 1, 2018, by a furnace manufacturer or distributor for future or planned construction, the manufacturer shall be allowed to sell the units within the South Coast AQMD at the mitigation fee specified in subparagraph (c)(5)(A), provided:~~

~~(A) An application for exemption is submitted to the Executive Officer prior to April 2, 2018;~~

~~(B) The total quantity of furnaces in application(s) by any one manufacturer does not exceed 15 percent of furnaces distributed and sold in the previous compliance plan period;~~

~~(C) Those furnaces are sold no later than their mitigation fee option end dates specified in Table 2; and~~

~~(D) The following documents and information are provided to the Executive Officer, including but not limited to:~~

~~(i) contractual agreement for the units sold or to be sold in the South Coast AQMD;~~

~~(ii) quantity, model number, and serial number of the subject units;~~

~~(iii) contract execution date; and~~

~~(iv) name(s) of the contractor (s).~~

~~(E) Failure to comply with the requirements specified in subparagraphs (g)(3)(A) through (g)(3)(D) shall result in the requirement to paying or retroactively paying the corresponding mitigation fee specified in paragraph (c)(5) within 30 days upon notification from the Executive Officer.~~

(~~4~~1) The manufacturer of any ~~natural gas furnace~~ Furnace that is not certified to meet the 14 ng/J of NOx emission limit and is to be installed with a propane conversion kit for propane firing only in the South Coast AQMD, is exempt from subdivisions ~~(c)~~(d) and ~~(d)~~(e), provided the manufacturer complies with the labeling and reporting requirements in paragraph (h)(1).~~:~~

~~(A) Effective June 1, 2018, the shipping carton or the name plate of the furnace clearly displays: "This furnace is to be installed for propane firing only. Operating in natural gas mode is in violation of the South Coast AQMD Rule 1111."~~

~~(B) The following documents and information shall be provided to the Executive Officer, accompanying the compliance plan report specified in subparagraphs (c)(5)(E), (c)(5)(F), and (c)(5)(G), including but not limited to:~~

~~(i) The quantity of propane conversion kits for furnaces actually distributed or sold into South Coast AQMD for the applicable compliance plan period;~~

~~(ii) The quantity of propane conversion kits for furnaces distributed or sold into the South Coast AQMD during the 12 month period of July 1 to June 30 prior to the applicable compliance date; and~~

~~(iii) Photographic evidence of the required language set forth in subparagraph (g)(4)(A) as it appears on the carton or unit, including all versions utilized by the manufacturer, for approval by the Executive Officer. The photographs must be sufficient to verify the wording is correct and that it is "clearly visible," taking into account the font type, size, color, and location on the carton or unit.~~

~~(C) The manufacturer of this type of unit which has been installed in the South Coast AQMD without meeting above requirements shall be in violation of South Coast AQMD Rule 1111.~~

(2) Paragraph (d)(2) shall not apply to the following:

(A) Mobile Home Furnaces for installation in Existing Buildings;

(B) Mobile Home Furnaces for installation or use in New Buildings or Existing Buildings located in master-metered Mobile Home parks, which are Mobile Home parks that take electricity through a master meter and then distribute it to park residents through their own system; and

(C) Furnaces that will be installed or used in New Buildings with building permit issued prior to [Date of Adoption] by the appropriate enforcement agency.

~~(5) Condensing or non-condensing furnaces that are certified to meet the 40 ng/J NOx limit and are installed at or above 4,200 feet above sea level are exempt from paragraph (c)(4), if that unit is installed on or before March 31, 2022.~~

~~(6) Effective April 1, 2022, downflow furnaces rated less than 175,000 BTU per hour in heat input capacity and condensing or non-condensing furnaces with rated heat inputat or greater than 100,000 BTU per hour, either of which are installed at elevations at or above 4,200 feet above sea level as a replacement for an existing furnace are exempt from paragraph (c)(4)(d)(1), provided that~~

~~(A) The downflow furnace is certified to meet the 40 ng/J NOx limit, is replacing an existing furnace, and the shipping carton or name plate of the furnace clearly displays: "This furnace must be installed only as a replacement in a downflow configuration at or above 4,200 feet above sea level in the South Coast AQMD. Installation of this furnace for new construction, in any other configuration, or at a lower elevation will be a violation of South Coast AQMD Rule 1111."; or~~

~~(B) The condensing or non-condensing furnace rated at or greater than 100,000 BTU per hour in heat input capacity is certified to meet 40 ng/J NOx limit, is replacing an existing furnace, and the shipping carton or name plate of the furnace clearly displays: "This furnace must be installed only as a replacement at or above 4,200 feet above sea level in the South Coast AQMD. Installation of this furnace for new construction or at a lower elevation will be a violation of South Coast AQMD Rule 1111."~~

~~(7) Effective April 1, 2022 and until September 30, 2022, a manufacturer, distributor, or installer that manufactures, supplies, sells, offers for sale, or installs a natural gas furnace certified to meet 40 ng/J of NOx that is installed and operated as part of a dual fuel system at or above 4,200 feet above sea level in the South Coast AQMD, shall only install such a unit that:~~

~~(A) Is designed by the manufacturer with a system switchover point between heat pump and furnace at the external temperature of 32°F with a nonadjustable system that would prevent any person from changing the external ambient switchover temperature of 32°F;~~

~~(B) Includes installation of an external temperature sensor which acts as the sole method to determine switchover point;~~

~~(C) For systems equipped with condensing, noncondensing, or mobile home furnaces, includes communicating technology between the heat pump and furnace installed at the point of manufacture to prevent system operation without a heat pump and requires operations of only the heat pump at and above the switchover temperature outlined in (g)(7)(A); and~~

~~(D) The shipping carton or the name plate of the furnace clearly displays: "This furnace must be installed only in a dual fuel configuration with an electric heat pump. Installation of this furnace without a heat pump in a dual fuel configuration will be a violation of South Coast AQMD Rule 1111."~~

~~(8) The manufacturer of any furnace that elects to use the exemption in paragraph (g)(4), (g)(5), (g)(6), or (g)(7) shall record the following information and shall make this information available upon request to the Executive Officer:~~

~~(A) Sales date to distributor;~~

~~(B) Distributor's name and full contact information (address and phone number);~~

~~(C) Model number of the furnace and heat pump (if applicable); and~~

~~(D) Serial number of the furnace and heat pump (if applicable).~~

~~(9) The distributor that elects to use the exemption in paragraph (g)(4), (g)(5), (g)(6), or (g)(7) shall record the following information and shall make this information available upon request to the Executive Officer:~~

~~(A) Sales date to installer;~~

~~(B) Installer's name and full contact information (address and phone number);~~

~~(C) Model number of the furnace and heat pump (if applicable); and~~

~~(D) Serial number of the furnace and heat pump (if applicable).~~

~~(10) The installer that elects to use the exemption in paragraph (g)(4), (g)(5), (g)(6), or (g)(7) shall record the following information and shall make this information available upon request to the Executive Officer:~~

~~(A) Installation date;~~

~~(B) Address of furnace installation;~~

~~(C) Model number of the furnace and heat pump (if applicable); and~~

~~(D) Serial number of the furnace and heat pump (if applicable).~~

(Adopted December 1, 1978)(Amended March 10, 1995)(Amended December 10, 1999)
(Amended September 3, 2004)(Amended [Date of Rule Adoption])

PROPOSED AMENDED RULE 1121. ~~CONTROL OF NITROGEN OXIDES~~ REDUCTION OF NO_X EMISSIONS FROM RESIDENTIAL TYPE, NATURAL GAS-FIRED WATER HEATERS

[*RULE INDEX TO BE ADDED AFTER RULE ADOPTION*]

(a) Purpose

The purpose of this rule is to reduce Oxides of Nitrogen (NOx) emissions from Water Heaters as defined in this rule.

(~~a~~b) Applicability

~~This~~ The provisions of this rule ~~applies~~ are applicable to manufacturers, distributors, retailers, Resellers, and ~~installers~~ Installers of natural gas-fired ~~water heaters~~Water Heaters, with ~~heat input~~ a Rated Heat Input Capacity ~~rates~~ less than 75,000 British thermal units (Btu) per hour.

(~~b~~c) Definitions

~~For the purpose of this rule:~~

~~(1) BTU means British thermal unit or units.~~

~~(2) DIRECT-VENT WATER HEATER means a water heater with air intake and exhaust ducts that use a gravity system to collect air from outside a building for combustion and exhaust combustion byproducts to the outside of a building.~~

(1) EXISTING BUILDING means a building that is not a New Building as defined in this rule.

(~~3~~2) HEAT INPUT means ~~the heat of combustion released by fuels burned in a unit based on the higher heating value of fuel.~~ the chemical heat released due to assumed complete combustion of fuel to a Water Heater, using the higher heating value of the fuel. This does not include the ~~enthalpy~~ sensible heat of incoming combustion air.

(~~4~~3) HEAT OUTPUT means ~~the product H_o as defined in Section 9.3 of the Protocol.~~the enthalpy of the working fluid output of the Water Heater.

(~~5~~4) INDEPENDENT TESTING LABORATORY means a testing laboratory that meets the requirements of ~~District~~ the South Coast AQMD Rule 304 – Equipment,

Materials, and Ambient Air Analyses~~, subdivision (k)~~ and is approved by the ~~District~~ South Coast AQMD to conduct certification testing under the Protocol.

~~(6) MITIGATION FEE is an emission reduction option, in which monies collected by the District from water heater manufacturers are placed in a restricted fund and are used to fund stationary and mobile source emission reduction programs targeted at equivalent NOx emission reductions as to those that would have otherwise occurred and have been approved by the District's Governing Board.~~

(5) INSTALL means the action of an Installer to place a Water Heater in a position ready for use.

(6) INSTALLER means a person who Installs a Water Heater and is required to obtain a license issued by the Department of Consumer Affairs Contractors State License Board for a classification related to buildings and appliances.

(~~8~~7) MOBILE HOME means a structure, transportable in one or more sections, that is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities.

(~~7~~8) MOBILE HOME WATER HEATER means a Water Heater ~~closed vessel~~ manufactured exclusively for ~~mobile home~~ Mobile Home use ~~in which water is heated by combustion of gaseous fuel and is withdrawn for use external to the vessel at pressures not exceeding 160 psig, including the apparatus by which heat is generated and all controls and devices necessary to prevent water temperatures from exceeding 210ºF (99ºC)~~.

(9) NEW BUILDING means a building that is newly constructed~~-~~, or a building with a major alteration which changes the occupancy classification of a building, which means a change in the formal designation of the primary purpose of the building pursuant to 2022 Title 24 California Building Code Part 2 Chapter 3 for occupancy classification and use. For Mobile Homes, the newly constructed building includes installation of the Mobile Home onto the property of residence.

(~~8~~10) NOx EMISSIONS means the sum of nitric oxide and nitrogen dioxide ~~in the flue gas,~~ emitted, calculated, and ~~collectively~~ expressed as nitrogen dioxide.

(11) PARTS PER MILLION BY VOLUME (ppmv) means, for the purpose of this rule, Parts Per Million by Volume of a pollutant at a three percent oxygen correction on a dry basis at Standard Conditions.

~~(9) POWER-VENT WATER HEATER means a water heater with a blower installed to assist in the expulsion of exhaust gases.~~

~~(10) POWER DIRECT VENT WATER HEATER means a water heater with an air intake duct outside of a building with a blower installed to assist in the expulsion of exhaust gases.~~

(~~11~~12) PROTOCOL means the most recent version of the South Coast ~~Air Quality Management District~~ AQMD Protocol to ensure standardization of compliance certification test procedures, titled: Nitrogen Oxides Emissions Compliance Testing for Natural Gas-Fired Water Heaters and Small Boilers~~, January 1998~~.

(~~12~~13) RATED HEAT INPUT CAPACITY means ~~the heat input capacity specified on the nameplate of the combustion unit. If the combustion unit has been altered or modified such that its maximum heat input is different from the heat input capacity specified on the nameplate, the new maximum heat input shall be considered as the rated heat input capacity.~~the gross Heat Input of the combustion device, as supported by required documentation.

(~~13~~14) RECREATIONAL VEHICLE means ~~either a motor home, travel trailer, truck camper, or camping trailer, with or without motive power, designed for human habitation for recreational, emergency, or other occupancy, as defined pursuant to Section 18010 of the California Health and Safety Code.~~any vehicle used for recreational purposes designed to include a Water Heater and licensed to be driven or moved on the highways of California.

(15) RESELLER means anyone who sells Water Heater(s) either retail, wholesale, or on an individual basis.

(16) RESPONSIBLE OFFICIAL means:

(A) For a corporation: a president or vice-president of the corporation in charge of a principal business function or a duly authorized person who performs similar policy-making functions for the corporation, or

(B) For a partnership or sole proprietorship: general partner or proprietor, respectively.

(17) STANDARD CONDITIONS are as defined by Rule 102 – Definition of Terms.

(~~14~~18) WATER HEATER means a closed vessel ~~other than a mobile home water heater in which water is heated by combustion of gaseous fuel and is withdrawn for use~~ that is fired with, or designed to be fired with, natural gas external to the vessel ~~at pressures not exceeding 160 psig~~, including the apparatus by which heat is generated and all controls and devices necessary to prevent water temperatures from exceeding 210ºF ~~(99ºC)~~.

(19) ZERO-NOx EMISSION UNITS means an appliance that provides water heating with heating capacity equivalent to Water Heaters subjected to this rule and emits no more than zero nanograms of NOx per joule of Heat Output (ng/J).

(~~c~~d) Requirements

~~(1) Until July 1, 2002, no person shall manufacture for sale, distribute, sell, offer for sale, or install within the South Coast Air Quality Management District any gas-fired water heaters unless the water heater is certified pursuant to subdivision (d) to a NOx emission level of less than or equal to:~~

~~(A) 40 nanograms of NOx (calculated as NO_2) per joule of heat output (93 lb per billion Btu of heat output); or~~

~~(B) 55 ppmv at 3% O2, dry (71 lb per billion Btu of heat input).~~

~~(2) On or after July 1, 2002, no person shall manufacture for sale, distribute, sell, offer for sale, or install within the South Coast Air Quality Management District any gas-fired water heaters unless the water heater is certified pursuant to subdivision (d) to a NOx emission level of less than or equal to:~~

~~(A) 20 nanograms of NOx (calculated as NO2) per joule of heat output (46.5 lb per billion Btu of heat output); or~~

~~(B) 30 ppmv at 3% O2, dry (35 lb per billion Btu of heat input); or~~

~~(C) the emission limit specified in subparagraph (c)(1)(A) or (c)(1)(B) provided the manufacturer of the water heater meets the requirements of subdivision (e).~~

~~(3) On or after January 1, 2006, for water heaters less than or equal to 50 gallon capacity, excluding direct-vent, power-vent and power direct-vent water heaters; on or after January 1, 2007 for water heaters greater than 50 gallon capacity, excluding direct-vent, power-vent and power direct-vent water heaters; and on and after January 1, 2008 for all direct-vent, power- vent, and power direct-vent water heaters; no person shall manufacture for sale, distribute, sell, offer for sale, or install within the South Coast Air Quality Management District any gas-fired water heaters unless the water heater is certified pursuant to subdivision (d) to a NOx emission level of less than or equal to:~~

~~(A) 10 nanograms of NOx (calculated as NO_2) per joule of heat output (23 lb per billion Btu of heat output); or~~

~~(B) 15 ppmv at 3% O2, dry (17.5 lb per billion Btu of heat input).~~

~~(4) On and after January 1, 2000, no person shall manufacture for sale, distribute, sell, offer for sale, or install within the South Coast Air Quality Management District~~

~~any gas-fired mobile home water heaters unless the water heater is certified pursuant to subdivision (d) to a NOx emission level of less than or equal to:~~

~~(A) 40 nanograms of NOx (calculated as NO2) per joule of heat output (93 lb per billion Btu of heat output); or~~

~~(B) 55 ppmv at 3% O2, dry (71 lb per billion Btu of heat input).~~

~~(5) The manufacturer of any water heater manufactured for sale in the district shall clearly display on the shipping carton and the name plate of the water heater:~~

~~(A) the model number;~~

~~(B) the date of manufacture; and~~

~~(C) the certification status.~~

~~(6) Notwithstanding the requirements in paragraph (c)(3), until July 1, 2006, any person may distribute, sell, offer for sale, or install any gas-fired water heaters less than or equal to 50 gallon capacity that are manufactured prior to January 1, 2006 and in compliance with paragraph (c)(2).~~

~~(7) Notwithstanding the requirements in paragraph (c)(3), until July 1, 2007, any person may distribute, sell, offer for sale, or install gas-fired water heaters greater than 50 gallon capacity that are manufactured prior to January 1, 2007 and in compliance with paragraphs (c)(2).~~

~~(8) Notwithstanding the requirements in paragraph (c)(3), until July 1, 2008, any person may distribute, sell, offer for sale, or install gas-fired direct- vent, power-vent, or power direct-vent water heaters that are manufactured prior to January 1, 2008 and in compliance with paragraphs (c)(2).~~

(1) No person shall manufacture, supply, sell, resell, offer for sale, import, or Install, for use in the South Coast AQMD, any following Water Heater, unless the Water Heater is certified pursuant to subdivision (e) and does not exceed the applicable Table 1 NOx limit, expressed by nanograms of NOx per joule of Heat Output (ng/J) or ppmv:

(A) Any Water Heater prior to the applicable Table 2 compliance date, except for Mobile Home Water Heaters for Existing Buildings; and

(B) Any Mobile Home Water Heater for Existing Buildings.

Table 1 – NOx Emission Limits

Equipment	NOx Emission Limits	
	ng/J	ppmv
Water Heater[1]	10	15
Mobile Home Water Heater	40	55

[1] Excluding Mobile Home Water Heater

(2) On and after the applicable Table 2 compliance dates, no person shall manufacture, supply, sell, resell, offer for sale, import, or Install a Water Heater for use in the South Coast AQMD that exceeds the Table 2 NOx emission limits. The applicable Table 2 compliance dates for New Building types shall be determined based on the construction or alteration completion date.

Table 2 – Zero-Emission Limits and Compliance Schedule

Equipment Category	NOx limit (ng/J)	Building Type	Compliance Date
Water Heater[1]	0	New	January 1, 2027
	0	Existing	January 1, 2029
Mobile Home Water Heater	0	New	January 1, 2027

[1] Excluding Mobile Home Water Heater

(~~d~~e) Certification

(1) The manufacturer shall obtain confirmation that each model of ~~water heater~~Water Heater complies with the applicable requirements of ~~subdivision (c)~~ paragraph (d)(1) from an ~~independent testing laboratory~~ Independent Testing Laboratory prior to applying for certification for a Water Heater. This confirmation shall be based upon emission tests conducted pursuant to the Protocol of a randomly selected unit of each model ~~and the Protocol shall be adhered to during the confirmation testing of all water heaters subject to this rule~~.

(2) When applying for certification of ~~water heaters~~Water Heaters, the manufacturer shall submit to the Executive Officer the following:

(A) A statement that the model is in compliance with ~~subdivision (c)~~ paragraph (d)(1), ~~. The statement shall be~~ signed and dated by the manufacturer ~~and dated, and shall~~ attesting to the accuracy of all statements;

(B) General Information, including:

(i) Name and address of manufacturer~~,~~;

(ii) Brand name, trade name; and

(iii) Model number, as it appears on the ~~water heater~~Water Heater rating plate;

(C) A description of each model being certified; and

(D) A source test report verifying compliance with ~~subdivision (c)~~ paragraph (d)(1) for each model to be certified~~. The source test report shall be~~ , prepared by the confirming ~~independent testing laboratory~~ Independent Testing Laboratory and ~~shall~~ containing all of the elements identified in ~~Section 10 of~~ the Protocol for each unit tested. ~~The source test shall have been conducted no more than ninety days prior to the date of submittal to the Executive Officer.~~

(3) When applying for certification of ~~water heaters~~Water Heaters, the manufacturer shall submit the items identified in paragraph ~~(d)(2)~~(e)(2) no more than ~~ninety~~ 180 days after the date of the source test identified in subparagraph ~~(d)(2)(D)~~(e)(2)(D).

~~(4) When applying for certification of water heaters for compliance with the emission limit specified in paragraph (c)(2) or (c)(3), the manufacturer shall submit the information identified in paragraph (d)(2) at least 90 days prior to the effective compliance date specified in either paragraph (c)(2) or (c)(3), respectively.~~

~~(5) The Executive Officer shall certify a water heater model which complies with the provisions of subdivision (c) and of paragraphs (d)(1), (d)(2), and (d)(3).~~

~~(6) Certification status shall be valid for three years from the date of approval by the Executive Officer. After the third year, recertification shall be required according to the requirements of paragraphs (d)(1) and (d)(2).~~

(f) Alternative Compliance Options

(1) Zero-Emission Manufacturer (ZEM) Alternative Compliance Option

Any manufacturer of Water Heaters subject to this rule may elect to comply with the ZEM Alternative Compliance Option in lieu of complying with paragraph (d)(2) provided:

(A) The manufacturer submits an alternative compliance plan, no later than November 1, 2026, that includes:

(i) A letter with the name of the manufacturer requesting the ZEM alternative compliance option signed by a Responsible Official;

(ii) A complete South Coast AQMD Form 400A with company name, indicating the application is for a compliance plan (section 7 of

form), indicating the request is for the "Rule 1121 ZEM alternative compliance option" (section 9 of form), and signature of the Responsible Official; and

(iii) Payment for the alternate compliance plan filing fee pursuant to Rule 306– Plan Fees; and

(B) The manufacturer sells, or enables distributors, retailers, Resellers, or Installers to sell, Zero-NOx Emission Units into or within the South Coast AQMD at a percentage greater than or equal to the sales target specified in Table 3;

(C) The Water Heaters sold under this alternative compliance option are certified to emit 10 ng/J (or 15 ppmv) or less of NOx;

(D) The manufacturer pays $50 mitigation fee for each Water Heater sold; and

(E) The manufacturer submits a report and mitigation fee payment pursuant to paragraph (f)(1) no later than 90 days after the end of each calendar year utilizing this alternative compliance option.

Table 3 – ZEM Alternative Compliance Option Targets and Mitigation Fee Schedule

Compliance phase	**Phase 1**	**Phase 2**	**Phase 3**	**Phase 4**
Calendar Years	**2027 - 2028**	**2029 - 2032**	**2033-2035**	**2036 and after**
Zero-NOx Emission Unit Sales Target[1]	30 percent	50 percent	75 percent	90 percent
Water Heater Sales Target	70 percent	50 percent	25 percent	10 percent
Mitigation Fee for Water Heaters Sold Over Target ($ per Water Heater)	$500	$600	$700	$800

[1] Sales target represents the percent of Zero-NOx Emission Units a manufacturer sells in a calendar year into or within the South Coast AQMD compared to the total number of Water Heaters and Zero-NOx Emission Units sales in a calendar year into or within the South Coast AQMD.

(2) ZEM Alternative Compliance Option Sales Target Deviation

Any manufacturer of Water Heaters subject to this rule that elects to comply with the ZEM Alternative Compliance Option pursuant to paragraph (f)(1) that deviates from the applicable Sales Target in Table 3 shall:

(A) If the annual percentage of Water Heaters sold is greater than the applicable calendar year Water Heater Sales Target specified in Table 3, pay the

mitigation fee specified in Table 3 for each Water Heater sold above the sales target; or

(B) If the annual percentage of Zero-NOx Emission Units sold is greater than the applicable calendar year Zero-NOx Emission Unit Sales Target specified in Table 3, apply a discount to their annual mitigation fee required pursuant to subparagraph (f)(1)(D) according to the following equation:

$$Discounted\ Mitigation\ Fee = F - F \times \frac{(P - T)}{(100 - T)}$$

Where:
F = Annual Mitigation Fee
P = Reported Percent Zero-NOx Emission Units
T = Sales Target

(g) Labeling, Recordkeeping, and Reporting

(1) Labeling Requirements for Mobile Home Water Heaters

(A) For any Mobile Home Water Heater certified to meet the applicable Table 1 NOx emission limit that is for distribution or sale inside of the South Coast AQMD, a manufacturer shall distribute or publish Informative Materials that clearly display the following language: "If installed in South Coast AQMD only: This water heater is only allowed to be installed and used for mobile homes before January 1, 2027; and is only allowed to be installed and used for existing mobile homes on and after January 1, 2027."

(B) For the purposes of subparagraph (g)(1)(A), "Informative Materials" shall mean the following:

(i) The consumer brochure for the Water Heater;

(ii) The technical specification sheet for the Water Heater; and

(iii) The manufacturer's website that promotes, discusses, or lists the Water Heater.

(C) A manufacturer may use alternative language in lieu of subparagraph (g)(1)(A), provided the alternative language is:

(i) Similar to the language in subparagraph (g)(1)(A); and

(ii) Submitted to the Executive Officer no later than 90 days after [Date of Rule Adoption].

(D) The manufacturer shall use the language in subparagraph (g)(1)(A) if the alternative language is not approved.

(2) Reporting, and Recordkeeping Requirements for ZEM Alternative Compliance Option

The manufacturer of a Water Heater supplied or offered for use within the South Coast AQMD in accordance with the ZEM alternative compliance option in paragraph (f)(1) shall:

(A) Submit to the Executive Officer a report, signed by the Responsible Official for the manufacturer pursuant to the schedule in paragraph (f)(1)(E), that includes:

(i) Each model number and the quantity of Zero-NOx Emission Units distributed or sold into or within South Coast AQMD for the applicable calendar year; and

(ii) Each model number and the quantity of Water Heaters distributed or sold into or within South Coast AQMD for the applicable calendar year;

(B) Maintain records for at least five years, including the following information and any other information for compliance demonstration, and make them available to the Executive Officer upon request:

(i) Model number and serial number of each Zero-NOx Emission Unit;

(ii) Model number and serial number of each Water Heater;

(iii) Date and number of Water Heater and Zero-Emission Units sold to a distributor; and

(iv) The distributor's name, address, and phone number.

(3) New and Existing Building Labeling Requirements

For any Water Heater, except Mobile Home Water heater, that is supplied or offered for sale for use in the South Coast AQMD and that is not electing to comply by paragraph (f)(1) for ZEM alternative compliance option during the period of January 1, 2026 to January 1, 2029, the manufacturer of the Water Heater shall prominently display on the shipping container, or the name plate of the Water Heater, the following:

(A) The statement "If Installed in South Coast AQMD: 1) After January 1, 2026, shall not be sold for installation in new buildings; and 2) After January 1, 2029, not compliant for use and installation in South Coast AQMD.";

(B) A manufacturer may use alternative language in lieu of subparagraph (g)(3)(A) provided the alternative language is:

(i) Similar to the language in subparagraph (g)(3)(A); and

(ii) Submitted to the Executive Officer on or before October 1, 2025.

(C) The manufacturer shall use the language in subparagraph (g)(3)(A) if the alternative language is not approved.

(4) The manufacturer of any Water Heater manufactured for sale in the South Coast AQMD shall clearly display on the shipping carton and the name plate of the water heater:

(A) Model number;

(B) Date of manufacture; and

(C) Certification status.

~~(e) Mitigation Fee~~

~~Any manufacturer that elects to submit a mitigation fee to the District to meet the Nox emission level established under subparagraph (e)(2)(C) shall:~~

~~(1) submit a Mitigation Fee Plan to the Executive Officer 180 days prior to complying with the provisions of paragraph (e)(2), where the Mitigation Fee Plan includes:~~

~~(A) the name of the manufacturer;~~

~~(B) the compliance period that the mitigation fee covers shall not exceed a 12-month time period; and~~

~~(C) the number of water heaters sold over the compliance period, which shall be based on sales records or invoices of water heaters in a similar model and size that were sold in the district over the past 12 months.~~

~~(2) receive written verification from the Executive Officer that the Mitigation Fee Plan was approved prior to complying with the provisions of paragraph (e)(2);~~

~~(3) on and after January 1, 2005, pay a mitigation fee at the beginning of the compliance period in the amount of $3.00 per water heater sold as specified in subparagraph (e)(1)(C), over the time period the mitigation fee covers as specified in subparagraph (e)(1)(B); and before January 1, 2005, pay a mitigation fee in the amount of $5,400 per ton of NOx multiplied by the amount of NOx emission reductions needed as specified in Equation 1;~~

~~*Equation 1:*~~

$$MF = \$5{,}400/ton \times [(t \times n \times 190 therms/yr \times (93 - 46.5 lbs/billion Btu - output) \times 0.76)/(2000 \times 10{,}000)]$$

~~where:~~

~~MF = Mitigation fee, Dollars~~

~~t = Time period that mitigation fee covers as specified in subparagraph (f)(1)(C)~~

~~*n* = Number of water heaters sold as specified in subparagraph (f)(1)(D)~~

~~(4) label water heaters identified in the Mitigation Fee Plan;~~

~~(5) maintain records and report sales of water heaters covered by the Mitigation Fee Plan and if the number of water heaters originally estimated exceed the number of water heaters identified in subparagraph (e)(1)(C), the water heater manufacturer shall update the Mitigation Fee Plan within 60 days after the end of the compliance period. Make these records available to the Executive Officer upon request, for a period of at least three years after the end of the compliance period.~~

~~(f) Enforcement~~

~~The Executive Officer may periodically inspect distributors, retailers, and installers of water heaters located in the District and conduct such tests as are deemed necessary to insure compliance with subdivision (e).~~

(~~g~~h) Exemptions

(1) The provisions of this rule shall not apply to~~:~~ Water Heaters used in Recreational Vehicles.

(2) The provisions of this rule shall not apply to Water Heaters subject to Rule 1146.2 – Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters.

(3) Paragraph (d)(2) shall not apply to the following Water Heaters:

(A) Mobile Home Water Heaters for installation in Existing Buildings;

(B) Mobile Home Water Heaters for installation or use in master-metered Mobile Home parks, which are Mobile Home parks that take electricity through a master meter and then distribute it to park residents through their own system; and

(C) Water Heaters that will be installed or used in New Buildings with building permits issued prior to [Date of Adoption] by the appropriate enforcement agency.

~~(1) Water heaters with a rated heat input capacity of 75,000 Btu per hour or greater.~~

~~(2) Water heaters used in recreational vehicles.~~

~~(h) Final Progress Report~~

~~On or before April 1, 2007, any person that manufacturers direct-vent, power-vent or power direct-vent water heaters for sale within the South Coast Air Basin shall submit to the Executive Officer a final progress report that shall include:~~

~~(1) Identification of efforts that have been made to reach commercialization of direct-vent, power-vent, and power direct-vent water heaters that meet the NOx emission level specified under paragraph (c)(3);~~

~~(2) A description of the technologies used to meet the NOx emission level for direct-vent, power-vent, and power direct-vent water heaters specified under paragraph (c)(3); and~~

~~(3) Complete documentation for at least three laboratory test results each for direct-vent, power-vent, and power direct-vent water heaters developed to meet the NOx emission level specified under paragraph (c)(3) that shall include the emissions rate measured by an independent testing laboratory using the SCAQMD protocol specified under paragraph (b)(11) or other protocol approved in advance by the Executive Officer.~~

~~(i) Program Administration~~

~~On and after September 3, 2004, the Executive Officer is authorized to use up to 5% of the mitigation fee funds collected in any given year for program administration.~~

MARIO SAUCEDO
Mayor



City of
REDLANDS
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msaucedo@cityofredlands.org

April 1, 2025

Governing Board
South Coast Air Quality Management District (SCAQMD)
21865 Copley Drive
Diamond Bar, CA 91765

Dear Governing Board,

On behalf of the City Council of the City of Redlands, I write to you to express our opposition to Proposed Amended Rules (PAR) 1111 and 1121, which would establish zero NOx emission limits for new space and water heating appliance installations.

Unlike most SCAQMD rules that regulate large stationary sources of air pollution like oil refineries and warehouses, PARs 1111 and 1121 specifically target individual homeowners, apartment buildings, and businesses, meaning families and business owners will directly bear the cost of these rules.

Housing affordability is and will remain a top public policy priority for the City of Redlands for the foreseeable future. Local governments are being pressured to build more housing; specifically, housing people can afford. Any regulations that increase these costs deserve scrutiny to ensure that the increased costs are met with an equal or more significant amount of benefit to the consumer. Although PARs 1111 and 1121 provide manufacturers with the option of continuing to produce NOx emitting space and water heaters, these come with a mitigation fee attached to every unit produced, which will certainly be passed along to the consumer. As a result, the City of Redlands opposes PARs 1111 and 1121 and urges the SCAQMD to indefinitely delay or cease consideration of these two regulations immediately.

Mario Saucedo
Mayor
City of Redlands

City Council/Financing Authority Meeting **J. 1.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Public Hearing to consider Resolution No. 8683 adopting the 2024 Engineering & Traffic Survey report and rescinding Resolution No. 8348, introduction of Ordinance No. 2982 amending Chapter 10.24 of the Redlands Municipal Code confirming prima facie speed limits for specified city streets and determine that approval of the resolution and introduction of the ordinance is exempt from environmental review pursuant to Section 15061(b)(3) of the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

(Mayor to declare meeting open as a public hearing)

PROCEDURE FOR PUBLIC HEARING:

1. Mayor declares the meeting open as a public hearing.
2. Mayor calls upon Department Director for report.
3. Mayor calls for questions/comments from members of the City Council.
4. Mayor calls for comments/questions/testimony from members of the public (3 minutes per speaker).
5. Mayor calls upon City Clerk to note any written comments received.
6. Mayor closes the public hearing.
7. City Council considers the motion and votes.

MOTION(S):

If City Council determines the staff recommendation is appropriate, the following motions are provided:

1. I move that the City Council determine that the approval of Resolution No. 8683, and introduction of Ordinance No. 2982 are exempt from environmental review pursuant to Sections 15061(b)(3) of the California Environmental Quality Act; and

2. I move to approve Resolution No. 8683 and rescind Resolution No. 8348; and

3. I move to introduce Ordinance No. 2982.

RECOMMENDATION:

Staff recommends that the City Council determine that approval of Resolution No. 8683, and introduction of Ordinance No. 2982 is exempt from environmental review pursuant to Section 15061(b)(3) of the California Environmental Quality Act.

Staff further recommends adoption of Resolution No. 8683 and introduction of Ordinance No. 2982.

DISCUSSION:

The Municipal Utilities and Engineering Department (MUED) staff periodically prepares engineering and traffic surveys in accordance with the California Vehicle Code (CVC) and California Manual on Uniform Traffic Control Devices (CAMUTCD) standards. These surveys are conducted every seven to fourteen (7-14) years and are necessary for Redlands Police Department (RPD) Officers to issue citations for speed limit violations when electronic speed-measuring equipment is used. The surveys determine the 85th percentile speed of free-flowing traffic using actual measured vehicle speeds within a street corridor. The 85th percentile methodology is widely recognized within the transportation engineering industry as an accurate indicator of a reasonable and safe vehicle speed. The CAMUTCD allows the City Engineer discretion to adjust the 85th percentile speed up or down by five (5) miles per hour in consideration of physical or environmental conditions that may impact vehicle operator behavior.

On December 6, 2022, the City Council adopted Ordinance No. 2946, which amended RMC Chapter 10.24.030 to update speed limits throughout the City. At that time, the Council directed staff to re-evaluate speed limits following the full implementation of Assembly Bill 43 (AB 43), which grants cities greater flexibility in setting speed limits to improve roadway safety, particularly in areas with high pedestrian activity or with a history of reported traffic accidents. Prior to AB 43, speed limits were strictly determined by the 85th percentile speed. The 2024 Engineering and Traffic Survey (2024 E&TS) incorporates AB 43 provisions to ensure that appropriate speed limits are established for specific roadway conditions and safety priorities while remaining compliant with State law.

MUED staff worked with RK Engineering Group, Inc. (RK) to conduct speed surveys across various street segments in Redlands. The findings were presented to the Traffic and Parking Commission (TPC) on January 23, 2025. Open house events were hosted on February 8, 2025 (City Council Chambers)

and February 13, 2025 (Redlands Community Center) to solicit public feedback on the 2024 E&TS. The TPC conducted a final review of the study on March 27, 2025, and voted 4:1 to recommend City Council approval of the 2024 E&TS.

The 2024 E&TS report provides a comprehensive analysis of speed limits throughout the City and recommends speed limit reductions on fifty-five (55) roadway segments in accordance with applicable State laws. These changes are based on updated traffic speed data, roadway conditions, and other key safety considerations. No speed limit increases are proposed within the City.

Staff recommends that the City Council introduce Ordinance No. 2982 to amend the Redlands Municipal Code and approve Resolution No. 8683 to adopt the 2024 E&TS report.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction.

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director
Rachel Tolber, Police Chief
Rich Sessler, Fire Chief
Tabitha Crocker, Facilities and Community Services Director
Goutam K. Dobey, City Engineer

PREPARED BY:
Johana Silva, Associate Engineer

Fiscal Impact

Fiscal Year:	FY 24/25
Appropriation Required Y/N:	N
Budgeted Y/N:	Y

Discussion:

There is no fiscal impact associated with this action. Funding for speed limit sign replacements is included in the FY 24/25 budget.

Attachments

Resolution No. 8683
Exhibit A - 2024 Engineering & Traffic Survey
Ordinance No. 2982 (Clean)
Ordinance No. 2982 (Legislative)
10 Day Public Notice
Resolution No. 8348 (Rescinded)

RESOLUTION NO. 8683

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS ADOPTING THE 2024 ENGINEERING AND TRAFFIC SURVEY REPORT, RESCINDING RESOLUTION NO. 8348, AND ESTABLISHING SPEED LIMITS ON VARIOUS ROADWAY SEGMENTS THROUGHOUT THE CITY

WHEREAS, pursuant to studies made under the authority of Title 10 of the Redlands Municipal Code, and the presentation of information contained in such studies, the City Council of the City of Redlands ("this City Council") has determined that certain traffic regulations are necessary to protect the public health, safety and welfare and should be established pursuant to Title 10 of the Redlands Municipal Code; and

WHEREAS, the California Vehicle Code (CVC) and the California Manual on Uniform Traffic Control Devices (CAMUTCD) require local agencies to conduct Engineering and Traffic Surveys (E&TS) periodically to establish and enforce speed limits using electronic speed-measuring devices; and

WHEREAS, the City of Redlands contracted with RK Engineering Group, Inc. to perform a comprehensive analysis of vehicular speeds on various roadway segments throughout the City; and

WHEREAS, the City Council adopted Resolution No. 8348, approving the 2021 Engineering and Traffic Survey report dated January 10, 2022, which is now being rescinded and replaced by the 2024 Engineering & Traffic Survey Report.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF REDLANDS AS FOLLOWS:

Section 1. This City Council determines that approval of this Resolution is exempt from review under California Environmental Quality Act ("CEQA") pursuant to CEQA Guidelines section 15061 (b)(3) which provides that CEQA applies only to projects which have the potential for causing a significant effect on the environment. This City Council finds with certainty that there is no possibility the approval of this Resolution may have a significant effect on the environment.

Section 2. This City Council hereby adopts the 2024 Engineering & Traffic Survey Report, attached hereto as Exhibit A establishing the speed limits as recommended therein.

Section 3. This City Council rescinds Resolution No. 8348, which adopted the "2021 Engineering and Traffic Survey" report dated January 10, 2022.

Section 4. City staff is hereby directed to take all actions to undertake signage to implement this Resolution.

ADOPTED, SIGNED AND APPROVED this 20th day of May, 2025.

_____
Mario Saucedo, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk of the City of Redlands, hereby certify that the foregoing resolution was duly adopted by the City Council at a regular meeting thereof held on the 20th day of May, 2025, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
Jeanne Donaldson, City Clerk

EXHIBIT A

2024 ENGINEERING & TRAFFIC SURVEY REPORT

[Attached]

2024 Engineering & Traffic Survey

City of Redlands, California
December 19, 2024

rkengineer.com

RK ENGINEERING GROUP INC.

2024 Engineering & Traffic Survey

City of Redlands, California

Prepared for:
City of Redlands
35 Cajon Street, Suite 15A
Redlands, CA

Prepared by:
RK Engineering Group, Inc.
1401 Dove Street, Ste. 540
Newport Beach, CA 92660

Robert Kahn, P.E., T.E.
Bryan Estrada, AICP
Sabrina Ayala



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City of Redlands 2024 Engineering & Traffic Survey Collision Rates for Study Area Roadway Segments 2

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ADT Traffic Volume Count Sheets C

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1.0 Executive Summary

This report contains the engineering and traffic speed survey for the one hundred and thirty-seven (137) roadway segments in the City of Redlands.

Exhibit A shows the location of the study area roadway segments.

For each roadway segment, information was collected on existing roadway characteristics, speed characteristics, traffic volumes, and traffic collisions. Statistical analysis of travel speeds and collisions was performed as part of this study.

Speed limits for each roadway section are recommended consistent with applicable procedures and sections in the California Vehicle Code (CVC) and the California Manual on Traffic Control Devices (CA MUTCD).

Appendix A includes the applicable sections of the California MUTCD for setting speed limits.

This report now incorporates additional speed reductions in response to the recent passage of California Assembly Bill (AB) 43 and the latest updates to the MUTCD, reflecting California's commitment to enhancing road safety.

Speed limit recommendations are made for each of the study area roadway segments and are illustrated in **Exhibit B**.

The speed survey information and recommended speed limits are summarized in **Table 1**.

2.0 Requirements for Establishing Speed Limits

The CVC is specific in its mandate that an engineering and traffic survey is required to establish speed limits. In particular, Section 40802 indicates that the enforcement of speed limits with the use of radar or other electronic device that measures speed is not allowed unless the prima facie speed limit has been justified by an engineering and traffic survey within the last 5, 7 or 14 years. All local agencies must conduct engineering and traffic surveys to provide the following:

1. Raise State dictated "prima facie" limits above 25 miles per hour;
2. Lower the otherwise permitted maximum speed of 65 miles per hour; and
3. Enforce speed limits by the use of radar equipment.

The CVC Rules of the Road, Section 22350 is the basis of all speed zone legislation in that it states, "No person shall drive a vehicle upon a highway at a speed greater than is reasonable or prudent having due regard for weather, visibility, the traffic on, and the surface and width of, the highway, and in no event at a speed which endangers the safety of persons or property."

Secondly, the CVC has established certain "prima facie" speed limits (Section 22352), which may not be exceeded unless the operator of a motor vehicle can prove that it is safe to do so under the Basic Speed Law.

The recommended posted speed limits are based on CA MUTCD Section 2B.13 which states:

"When a speed limit is to be posted, it shall be established at the nearest 5 mph increment of the 85th-percentile speed of free-flowing traffic, except as shown in the two options below:

1. The posted speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed, in compliance with CVC Sections 627 and 22358.3.
2. For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding up, then the speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used."

Additionally, the recent approval of Assembly Bill No. 43 (AB 43) resulted in several changes to the CVC that now authorize local jurisdictions to consider additional parameters, beyond the 85th percentile speed, when setting speed limits on certain streets.

Two of the most significant changes to the CVC include the amendments to Section 22358, which now allow a local authority to declare a prima facie speed of 20 or 15 miles per hour on any street other than a state highway, and the amendment to Section 22358.8, which allows the current speed limit to be retained or immediately prior speed limit to be restored.

22358 (a) Whenever a local authority determines upon the basis of an engineering and traffic survey that the limit of 65 miles per hour is more than is reasonable or safe upon any portion of any street other than a state highway where the limit of 65 miles per hour is applicable, the local authority may by ordinance determine and declare a prima facie speed limit of 60, 55, 50, 45, 40, 35, 30, 25, 20, or 15 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe, which declared prima facie limit shall be effective when appropriate signs giving notice thereof are erected upon the street.

22358.8. (a) If a local authority, after completing an engineering and traffic survey, finds that the speed limit is still more than is reasonable or safe, the local authority may, by ordinance, retain the current speed limit or restore the immediately prior speed limit if that speed limit was established with an engineering and traffic survey and if a registered engineer has evaluated the section of highway and determined that no additional general purpose lanes have been added to the roadway since completion of the traffic survey that established the prior speed limit.

(b) This section does not authorize a speed limit to be reduced by any more than five miles per hour from the current speed limit nor below the immediately prior speed limit.

(c) A local authority shall issue only warning citations for violations of exceeding the speed limit by 10 miles per hour or less for the first 30 days that a lower speed limit is in effect as authorized by this section.

AB 43 also enacted several other speed limit changes, including 22358.6(b) and 22358.6(c) which further authorize local agencies to lower speed limits by an additional 5 mph if, after completing an E&TS, it is found that the speed is still more than is reasonable or safe, for either of the following reasons:

1. The portion of highway has been designated as a safety corridor.

2. The portion of highway is adjacent to any land or facility that generates high concentrations of bicyclists or pedestrians, especially those from vulnerable groups such as children, seniors, persons with disabilities, and the unhoused.

3.0 Data Collection

This section discusses the survey methodology for the collection of data on existing roadway characteristics, travel speed surveys, and collision experiences. **Exhibit A** illustrates the roadway locations inventoried.

3.1 Survey Methodology

- Speed limits are set based on the procedures and requirements set forth in the CVC and the California MUTCD. A copy of the MUTCD standards are provided in **Appendix A.**
- All roadways were surveyed to determine existing roadway characteristics and surrounding land uses.
- Existing travel speeds were obtained with the radar speed survey. A minimum of 100 speed observations were recorded at each survey location using calibrated and certified radar equipment. Radar speed survey data for each study segment is contained in **Appendix B.**
- Speed observation data was calculated to determine average speed, 85th percentile speed, and 10-mile per hour percentile speed.
- Collision data was provided by California Highway Patrol and tabulated for each roadway segment for consideration in the speed limit recommendations.
- To calculate and derive collision rates, existing average daily traffic (ADT) data was collected at each study roadway segment. ADT count data for the study segments are contained in **Appendix C**.
- E&TS Traffic Conditions forms have been prepared for each survey location and are included in **Appendix D**.

3.2 Roadway Characteristics

A visual inspection of each roadway survey location was performed. Based on the visual survey, speed study traffic conditions forms were completed for data entries such as the number of travel lanes, type of median, existing posted speed limit, and the types of surrounding land uses. Other special conditions inventoried include notations on horizontal and vertical curves, school crosswalks, and school speed zones.

Total curb-to-curb width was also measured and recorded at each speed survey location.

The predominant land use adjacent to the roadway by travel direction was identified. The surrounding uses were identified by the predominant or significant types of uses defining the character and intensity of development along the roadway. Adjacent land uses have direct access if driveways

serving the use intersect with the roadway and the land use directly fronts onto the roadway. Land uses not having direct access include those uses with rear or side yards facing the roadway with access from secondary or from parallel roadways. The number of driveways intersecting the roadway is defined as an approximate average distance between driveways along the road segment.

3.3 Speed Survey Data

Radar speed surveys were conducted within the City of Redlands at each study area roadway segment. Principles for survey methods utilized in this engineering survey followed the procedures set out by the California MUTCD shown in **Appendix A.**

The California MUTCD sets forth the basic procedural steps in conducting an "engineering and traffic survey". This method is designed for use on all City and County through-highways, arterials, and collector streets.

Surveys were conducted during off-peak hours so that free-flow conditions would allow motorists to drive at a self-determined "safe speed". An unmarked vehicle was employed as the survey vehicle, with the radar device situated inconspicuously. The vehicle was located along a straight roadway segment, far enough away from signals, stop signs, major intersections, or roadway obstruction so that motorists were traveling at a free-flow velocity before passing the sampling vehicle.

The samples were recorded in one mile per hour increments. On two-way streets, samples in both directions were obtained. Care was also taken to include a representative proportion of trucks and buses. Speed zone statistical summary sheets for each location are provided in **Appendix B** of this report.

3.3.1 Speed Survey Data - Statistical Analysis

Statistical calculations included the 85th percentile (or critical) speed, 10-mile per pace speed, percentage of vehicles in the 10-mile per hour speed and 50th percentile speed. These terms are defined as follows:

Average Speed

The average or arithmetic mean speed characteristics of the speed observations which is calculated by dividing the summation of all observed speeds by the number of observations.

85th Percentile Speed

The 85th percentile speed is the speed at or below which 85 percent of the vehicles traveled. It is the single most important measure used to determine posted speed limits.

10-Mile Per Hour Pace Speed

The 10-mile per hour pace speed is the 10-mile per hour range within which the largest number of observations fall. Typically, 70 percent of the vehicles are contained in this range, with 15% above and 15% below. A properly set speed limit will maximize the percent of vehicles in the 10-mile per hour pace speed.

3.4 Collision History

Collision data for each of the survey segments were reviewed. Collisions that occurred in the intersections were proportionally allocated to each approach leg segment of the intersection. The total number of collisions was then divided by existing traffic volumes to determine a collision rate per million vehicle miles of travel for the (MVMT) roadway segment. Additionally, collisions were tabulated based on the severity of the collision to determine if a potential safety corridor exists along the study roadway segments.

Table 2 summarizes accidents occurring on the roadway segment over the past three (3) years and shows the collision rate per million vehicle miles traveled (not occurring within 200 feet of a boundary intersection). The collision rate is compared to the Caltrans base collision rate for a typical roadway with similar characteristics to help identify areas with high accident rates.

Table 3 shows all of the accidents occurring on the roadway segment over the past three (3) years inclusive of all intersection for informational purposes only.

Table 4 shows the segments with the highest number of severe and fatal collisions. This information may be used to help identify potential Safety Corridors in the future.

3.5 24-Hour Average Daily Traffic (ADT) Counts

24-hour two-way average daily traffic (ADT) counts were obtained on each roadway segment. The ADT data is used to help establish collision rates and functional classifications of roadways. ADT count data for the study segments are contained in **Appendix C.**

4.0 Speed Limit Recommendations

When a speed limit is to be posted, it shall be established at the nearest 5 mph increment of the 85th percentile speed of free flowing traffic. In accordance with the California MUTCD:

> *Experience has shown that speed limits should be established at or below the 85th percentile speed. The speed chosen for speed zoning should be in 5-mile per hour increments and should normally be selected at a value nearest below the 85th percentile speed.*

In general, the 85th percentile speed will dictate the speed limit to be established pursuant to the reasoning that most drivers are "reasonable and prudent". Speed limit selections resulting from this survey and analysis thus follow the above guideline. Recommended speed limits are for both directions of travel.

The primary selected speed limits were then considered in relation to roadway characteristics, collision experience, and nearby development on each respective roadway segment. Some of these characteristics may warrant a deviation from the 85th percentile speed. These characteristics include:

1. Higher than average collision histories;
2. Other physical features of the roadway, which are not readily apparent to the driver. These hazards include cross gutters, poor sight distance, and close spacing of controlled intersections; and
3. Compatibility and continuity with speed zones of adjacent cities and/or adjacent reaches of the same street within the City.

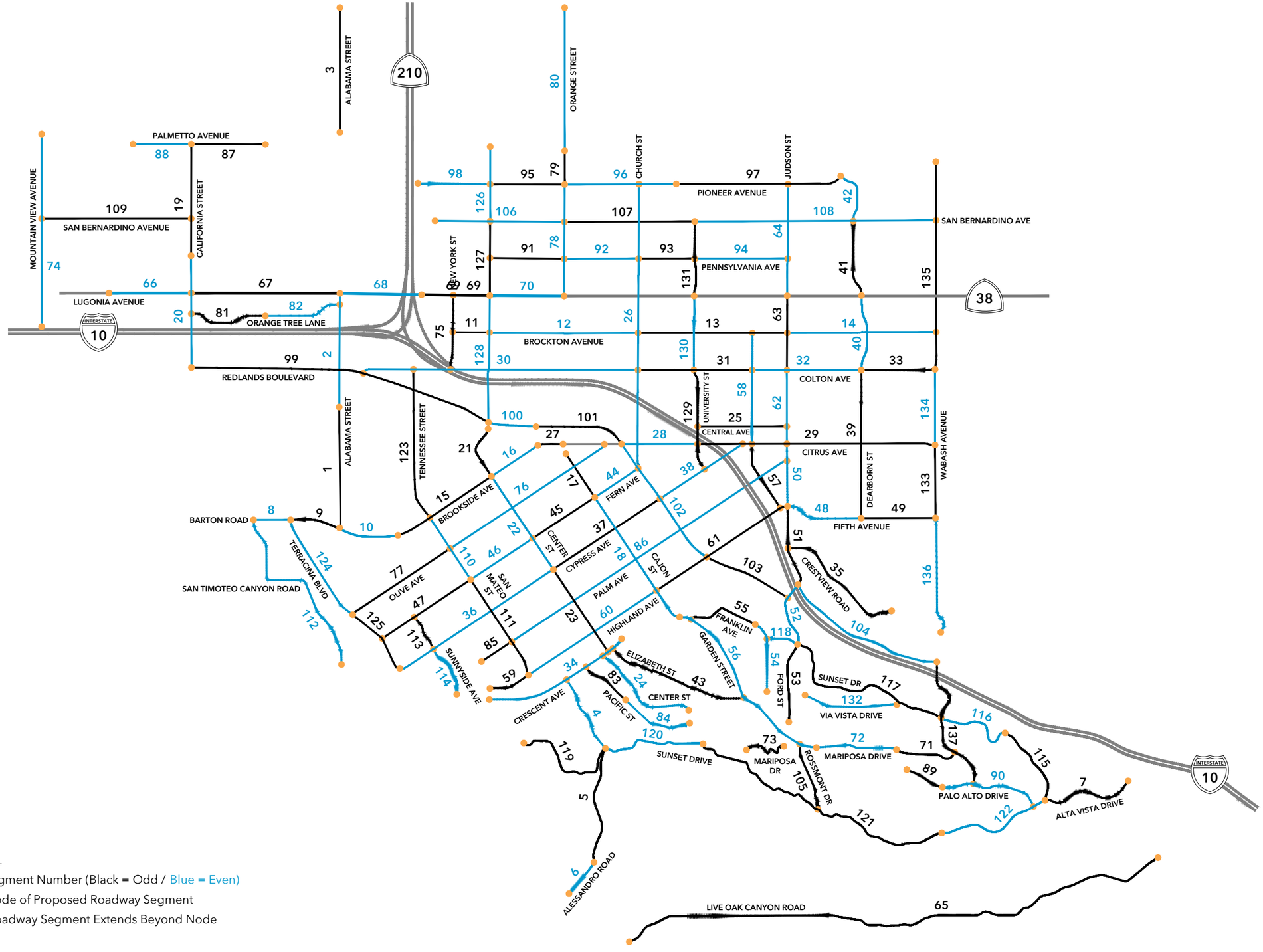
CVC 22358.6(b) and 22358.6(c) now authorize local agencies to lower speed limits by an additional 5 mph if, after completing an E&TS, it is found that the speed is still more than is reasonable or safe, for either of the following reasons:

1. The portion of highway has been designated as a safety corridor.
2. The portion of highway is adjacent to any land or facility that generates high concentrations of bicyclists or pedestrians, especially those from vulnerable groups such as children, seniors, persons with disabilities, and the unhoused.

The recommended speed limits and results of the analysis are summarized in **Table 1** and graphically shown in **Exhibit B**.

E&TS Traffic Conditions forms for each survey location and are included in **Appendix D**.

Exhibits



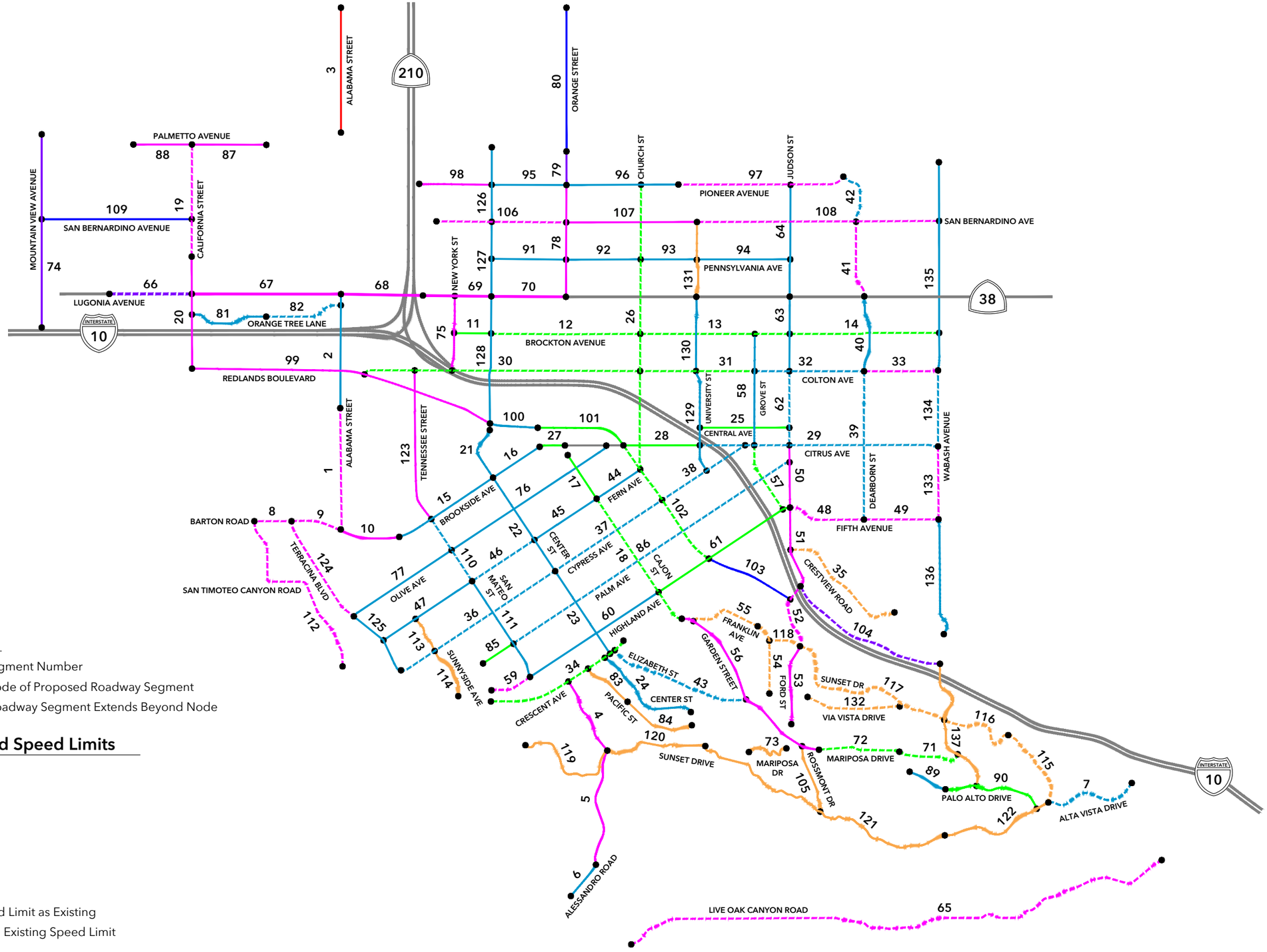
Legend

- 1 = Roadway Segment Number (Black = Odd / Blue = Even)
- = Start/End Node of Proposed Roadway Segment
- = Proposed Roadway Segment Extends Beyond Node

N

Exhibit A

Study Area Roadway Segments



Legend

1 = Roadway Segment Number

● = Start/End Node of Proposed Roadway Segment

●— = Proposed Roadway Segment Extends Beyond Node

Recommended Speed Limits

- = 25 MPH
- = 30 MPH
- = 35 MPH
- = 40 MPH
- = 45 MPH
- = 50 MPH
- = 55 MPH
- = Same Speed Limit as Existing
- = Decrease in Existing Speed Limit

N

Exhibit B

Recommended Speed Limits

Tables

Table 1
City of Redlands 2024 Engineering & Traffic Survey
Speed Survey Summary

	Roadway Segment	Posted Speed Limit (mph)	Recommended Speed Limit (mph)[1,2]	85th Percentile Speed (mph)	10 mph Pace Speed (mph)	Percent in Pace (%)	Reasoning for Adjustment from 85th Percentile Speed[3]
1.	**Alabama Street** Barton Road to Park Avenue	45	**40**	46	38 - 47	83%	1 & 7
2.	**Alabama Street** Park Avenue to Lugonia Avenue	35	35	44	35 - 44	79%	1, 4, 7, & 11i
3.	**Alabama Street** City Limit s/o Santa Ana River to City Limit Line n/o Santa Ana River	55	55	59	48 - 57	69%	1 & 4
4.	**Alessandro Road** Crescent Avenue to Sunset Drive	40	40	44	35 - 44	79%	1,3, & 4
5.	**Alessandro Road** Sunset Drive to Creekside Drive	40	40	44	36 - 45	79%	1 & 3
6.	**Alessandro Road** Creekside Drive to San Timoteo Canyon Road	35	35	36	27 - 36	77%	N/A
7.	**Alta Vista Drive** Florida Street to Sunset Drive	40	**35**	42	33 - 42	73%	2, 3, 4, & 5
8.	**Barton Road** West City Limit to Terracina Boulevard	45	**40**	46	38 - 47	84%	2 & 7
9.	**Barton Road** Terracina Boulevard to Alabama Street	45	**40**	46	35 - 44	75%	2 & 7
10.	**Barton Road** Alabama Street to Lakeside Avenue	40	40	45	36 - 45	82%	1,3, & 7
11.	**Brockton Avenue** New York Street to Texas Street	30	30	36	26 - 35	56%	2, 5, & 6
12.	**Brockton Avenue** Texas Street to Church Street	35	**30**	39	29 - 38	71%	1, 4, 5, 6, 7, 11h, 11i, & 11j
13.	**Brockton Avenue** Church Street to Judson Street	35	**30**	35	27 - 36	84%	1, 4, 5, 6, 11h, 11i, & 11j
14.	**Brockton Avenue** Judson Street to Wabash Avenue	35	**30**	36	27 - 36	78%	1, 4, 5, 6, 7, 11h, 11i, & 11j
15.	**Brookside Avenue** Lakeside Avenue to Center Street	35	35	43	34 - 43	86%	1, 4, 7, 11i, & 11j
16.	**Brookside Avenue** Center Street to Eureka Street	35	35	37	28 - 37	85%	N/A
17.	**Cajon Street** Vine Street to Fern Avenue	30	30	35	27 - 36	89%	2, 5, & 6
18.	**Cajon Street** Fern Avenue to Garden Street	35	**30**	37	28 - 37	82%	2, 5, 6, & 7
19.	**California Street** Palmetto Avenue to Almond Avenue (southbound)	45	**40**	42	35 - 44	70%	N/A
20.	**California Street** Almond Avenue to Redlands Boulevard	Not Posted	40	41	31 - 40	82%	N/A
21.	**Center Street** State Street to Brookside Avenue	35	35	38	30 - 39	86%	1, 3, 4, 5, & 6
22.	**Center Street** Brookside Avenue to Cypress Avenue	35	35	37	29 - 38	74%	N/A
23.	**Center Street** Cypress Avenue to Crescent Avenue	35	35	39	30 - 39	81%	1, 4, 5, & 6
24.	**Center Street** Crescent Avenue to Ridge Street	35	35	39	29 - 38	69%	1, 3, 4, & 6
25.	**Central Avenue** University Street to Judson Street	30	30	35	24 - 33	72%	2, 4, 5, 6, & 7
26.	**Church Street** Pioneer Avenue to Redlands Boulevard	35	**30**	36	28 - 37	83%	2, 5, 6, & 7
27.	**Citrus Avenue** Eureka Street to Orange Street	30	30	34	26 - 35	85%	1, 5, 6, & 7
28.	**Citrus Avenue** Redlands Boulevard to University Street	30	30	35	27 - 36	84%	2, 5, & 6
29.	**Citrus Avenue** University Street to Wabash Avenue	40	**35**	43	34 - 43	80%	1, 4, 7, 11e, 11h, 11i, & 11j
30.	**Colton Avenue** Redlands Boulevard to Church Street	40	**30**	41	31 - 40	76%	2, 3, 5, 6, 7, 11a, 11b, 11h, & 11i
31.	**Colton Avenue** Church Street to Grove Street	35	**30**	40	31 - 40	76%	2, 5, 6, 7, 11c, 11e, 11h, & 11i
32.	**Colton Avenue** Grove Street to Dearborn Street	40	**35**	44	34 - 43	74%	1, 4, 5, 6, 11h, & 11i
33.	**Colton Avenue** Dearborn Street to Wabash Avenue	45	**40**	49	37 - 46	67%	1, 4, 5, 6, 11b, 11h, & 11i
34.	**Crescent Avenue** Ramona Drive to Serpentine Drive	35	**30**	37	29 - 38	73%	2, 5, & 6

Table 1
City of Redlands 2024 Engineering & Traffic Survey
Speed Survey Summary

	Roadway Segment	Posted Speed Limit (mph)	Recommended Speed Limit (mph)[1,2]	85th Percentile Speed (mph)	10 mph Pace Speed (mph)	Percent in Pace (%)	Reasoning for Adjustment from 85th Percentile Speed[3]
35.	**Crestview Road** Ford Street to Buckingham Drive	30	**25**	32	23 - 32	87%	2 & 8
36.	**Cypress Avenue** Terracina Boulevard to Center Street	40	**35**	41	34 - 43	75%	2, 5, 6, & 7
37.	**Cypress Avenue** Center Street to Redlands Boulevard	40	**35**	43	35 - 44	78%	1, 4, 5, 6, 7, 11c, 11h, 11i, & 11j
38.	**Cypress Avenue** Redlands Boulevard to Citrus Avenue	40	**35**	45	37 - 46	80%	2, 5, 6, 7, 11e, 11h, 11i, & 11j
39.	**Dearborn Street** 5th Avenue to Colton Avenue	40	**35**	41	33 - 42	70%	2, 5, & 6
40.	**Dearborn Street** Colton Avenue to Lugonia Avenue	35	35	38	29 - 38	75%	1, 3, 4, 5, & 6
41.	**Dearborn Street** Lugonia Avenue to San Bernardino Avenue	45	**40**	46	35 - 44	62%	2 & 4
42.	**Dearborn Street** San Bernardino Avenue to Sessums Drive	40	**35**	38	29 - 38	68%	1 & 4
43.	**Elizabeth Street** Garden Street to Crescent Avenue	45	**35**	42	33 - 42	67%	2, 3, 5, & 7
44.	**Fern Avenue** Redlands Boulevard to Cajon Street	35	35	40	31 - 40	74%	2, 5, & 6
45.	**Fern Avenue** Cajon Street to Center Street	35	35	39	30 - 39	78%	1, 4, 5, & 6
46.	**Fern Avenue** Center Street to San Mateo Street	40	**35**	42	33 - 42	70%	1, 5, 6, & 7
47.	**Fern Avenue** San Mateo Street to Terracina Boulevard	35	35	41	31 - 40	79%	2, 3, 5, & 6
48.	**Fifth Avenue** Ford Street to Dearborn Street	45	**40**	47	38 - 47	78%	2, 3, 5, & 6
49.	**Fifth Avenue** Dearborn Street to Wabash Avenue	45	**40**	48	39 - 48	70%	1, 4, 6, 11e, 11h, & 11j
50.	**Ford Street** Citrus Avenue to Fifth Avenue	40	40	44	37 - 46	84%	1, 5, & 6
51.	**Ford Street** Fifth Avenue to Reservoir Road	40	40	43	35 - 44	87%	1, 3, 4, & 7
52.	**Ford Street** Reservoir Road to Sunset Drive	45	**40**	39	31 - 40	89%	N/A
53.	**Ford Street** Sunset Drive to Garden Hill Drive	40	40	43	34 - 43	73%	1, 3, & 4
54.	**Franklin Avenue** Eucalyptus Drive to Oak Street	35	**25**	38	24 - 33	63%	1, 3, 4, 5, 6, 7, 8, & 11h
55.	**Franklin Avenue** Oak Street to Garden Street	35	**25**	31	24 - 33	85%	2, 3, 5, 6, 7, & 8
56.	**Garden Street** Mariposa Drive to Cajon Street	40	**35**	46	37 - 46	79%	2, 3, 5, 6, 11b, 11h, & 11i
57.	**Grove Street** Highland Avenue to Citrus Avenue	35	**30**	32	23 - 32	86%	N/A
58.	**Grove Street** Citrus Avenue to Brockton Avenue	35	35	41	32 - 41	69%	2, 5, & 7
59.	**Highland Avenue** Ford Street to Cajon Street	45	**40**	47	39 - 48	74%	2, 5, & 6
60.	**Highland Avenue** Cajon Street to San Mateo Street	35	35	44	32 - 41	66%	1, 4, 5, 6, 7, & 10
61.	**Highland Avenue** San Mateo Street to Serpentine Drive	30	30	39	31 - 40	67%	1, 3, 5, 6, & 10
62.	**Judson Street** Citrus Avenue to Colton Avenue	40	**35**	40	32 - 41	87%	2, 5, & 6
63.	**Judson Street** Colton Avenue to Lugonia Avenue	35	35	41	32 - 41	79%	2, 5, & 6
64.	**Judson Street** Lugonia Avenue to Pioneer Avenue	35	35	40	32 - 41	78%	2, 5, & 6
65.	**Live Oak Canyon Road** San Timoteo Canyon Road to Easterly Boundary	45	**40**	44	35 - 44	79%	1, 3, & 4

Table 1
City of Redlands 2024 Engineering & Traffic Survey
Speed Survey Summary

	Roadway Segment	Posted Speed Limit (mph)	Recommended Speed Limit (mph)[1,2]	85th Percentile Speed (mph)	10 mph Pace Speed (mph)	Percent in Pace (%)	Reasoning for Adjustment from 85th Percentile Speed[3]
66.	**Lugonia Avenue** 1500' w/o Research Avenue to California Street	50	**45**	51	43 - 52	64%	2, 5, & 6
67.	**Lugonia Avenue** California Street to Alabama Street (eastbound)	40	40	46	34 - 43	70%	2, 4, & 6
68.	**Lugonia Avenue** Alabama Street to Tennessee Street (eastbound)	40	40	41	31 - 40	78%	N/A
69.	**Lugonia Avenue** Tennessee Street to Texas Street	40	40	40	30 - 39	83%	N/A
70.	**Lugonia Avenue** Texas Street to Orange Street	40	40	45	35 - 44	76%	2, 4, 5, 6, & 7
71.	**Mariposa Drive** Wabash Avenue to Country Club Drive	35	**30**	34	25 - 34	72%	1, 3, 5, & 6
72.	**Mariposa Drive** Country Club Drive to Garden Street	35	**30**	41	30 - 39	70%	2, 3, 4, 5, 6, & 11b
73.	**Mariposa Drive** Halsey Street to Dwight Street	25	25	24	16 - 25	69%	N/A
74.	**Mountain View Avenue** I-10 Freeway to Central Avenue (northbound)	45 / 50	45	49	37 - 46	67%	1 & 4
75.	**New York Street** Colton Avenue to Lugonia Avenue	40	40	44	35 - 44	69%	1, 4, & 6
76.	**Olive Avenue** Citrus Avenue to San Mateo Street	35	35	38	30 - 39	85%	1, 4, 5, & 6
77.	**Olive Avenue** San Mateo Street to Terracina Boulevard	35	35	40	31 - 40	72%	2, 5, 6, & 7
78.	**Orange Street** Lugonia Avenue to Pioneer Avenue	40	40	42	35 - 44	91%	N/A
79.	**Orange Street** Pioneer Avenue to Hubbard Court	45	45	48	39 - 48	75%	1, 4, & 7
80.	**Orange Street** Hubbard Court to City Limits	50	50	57	48 - 57	75%	2 & 10
81.	**Orange Tree Lane** California Street to Nevada Street	35	35	40	30 - 39	75%	2, 4, & 6
82.	**Orange Tree Lane** Nevada Street to Alabama Street	40	**35**	43	32- 41	68%	1, 3, 4, 6, 11f, 11h, & 11i
83.	**Pacific Street** Crescent Avenue to Carob Street	25	25	33	24 - 33	77%	1, 3, 4, 5, 8, & 10
84.	**Pacific Street** Carob Street to Ridge Street	25	25	32	24 - 33	59%	2, 3, 5, 6, & 8
85.	**Palm Avenue** Serpentine Drive to San Mateo Street	30	30	37	26 - 35	61%	2, 3, 5, 6, & 11h
86.	**Palm Avenue** San Mateo Street to Ford Street	40	**35**	42	33 - 42	81%	2, 5, & 6
87.	**Palmetto Avenue** Nevada Street to California Street (westbound)	40	40	40	30 - 39	54%	N/A
88.	**Palmetto Avenue** California Street to Marigold Avenue	Not Posted	40	46	38 - 47	57%	2 & 7
89.	**Palo Alto Drive** Country Club Drive to Mirasol Drive	35	35	41	33 - 42	81%	2, 3, 5, & 6
90.	**Palo Alto Drive** Mirasol Drive to Sunset Drive	30	30	35	27 - 36	78%	2, 3, 5, & 6
91.	**Pennsylvania Avenue** Texas Street to Orange Street	35 Posted 30 Painted	35	41	31 - 40	77%	2, 5, 6, & 7
92.	**Pennsylvania Avenue** Orange Street to Church Street	35	35	36	27 - 36	73%	N/A
93.	**Pennsylvania Avenue** Church Street to University Street	35	35	38	28 - 37	80%	1, 4, 5, & 6
94.	**Pennsylvania Avenue** University Street to Judson Street	35	35	41	30 - 39	64%	2, 4, 5, & 6
95.	**Pioneer Avenue** Texas Street to Orange Street	35	35	39	30 - 39	81%	1, 4, 5, 6, & 7
96.	**Pioneer Avenue** Orange Street to Occidental Drive	35	35	41	33 - 42	81%	2, 5, & 6
97.	**Pioneer Avenue** Occidental Drive to Dearborn Street	45	**40**	48	36 - 45	67%	1, 4, 11e, & 11h
98.	**Pioneer Avenue** Texas Street to I-210 Freeway	Not Posted	40	43	33 - 42	73%	2, 4, & 6

Table 1
City of Redlands 2024 Engineering & Traffic Survey
Speed Survey Summary

	Roadway Segment	Posted Speed Limit (mph)	Recommended Speed Limit (mph)[1,2]	85th Percentile Speed (mph)	10 mph Pace Speed (mph)	Percent in Pace (%)	Reasoning for Adjustment from 85th Percentile Speed[3]
99.	**Redlands Boulevard** California Street to Texas Street	40	40	45	36 - 45	80%	2 & 7
100.	**Redlands Boulevard** Texas Street to Eureka Street	35	35	41	32 - 41	79%	2, 6, & 7
101.	**Redlands Boulevard** Eureka Street to Citrus Avenue	30	30	32	24 - 33	84%	N/A
102.	**Redlands Boulevard** Citrus Avenue to Highland Avenue	35 / 30	**30**	39	30 - 39	81%	1, 4, 7, 11a, 11e, 11h, & 11i
103.	**Redlands Boulevard** Highland Avenue to Ford Street	50	50	54	45 - 54	69%	1 & 4
104.	**Reservoir Road** Ford Street to Wabash Avenue	50	**45**	47	38 - 47	66%	N/A
105.	**Rossmont Drive** Garden Street to Sunset Drive	25	25	38	29 - 38	66%	1, 3, 4, 5, 8, & 10
106.	**San Bernardino Avenue** Tennessee Street to Orange Street	45	**40**	45	37 - 46	84%	2 & 6
107.	**San Bernardino Avenue** Orange Street to University Street	35 / 40	40	43	36 - 45	84%	1, 5, & 6
108.	**San Bernardino Avenue** University Street to Wabash Avenue	45	**40**	50	40 - 49	71%	2, 3, 4, 5, 11h, 11i, & 11j
109.	**San Bernardino Avenue** Mountain View Avenue to California Street	50 EB 45 WB	50	56	45 - 54	75%	1 & 4
110.	**San Mateo Street** Brookside Avenue to Fern Avenue	40	**35**	40	31 - 40	90%	1, 5, & 6
111.	**San Mateo Street** Fern Avenue to Highland Avenue	35	35	39	30 - 39	79%	1, 4, 5, & 6
112.	**San Timoteo Canyon Road** Fern Avenue to Barton Road	45	**40**	43	35 - 44	81%	1, 4, & 7
113.	**Sunnyside Avenue** Fern Avenue to Cypress Avenue	25	25	29	20 - 29	69%	1, 3, 4, & 5
114.	**Sunnyside Avenue** Cypress Avenue to Smiley Heights Drive	25	25	29	21 - 30	72%	1, 3, & 5
115.	**Sunset Drive N** Alta Vista Drive to Panorama Point	35 NB 30 SB	**25**	29	19 - 28	74%	1, 3, 4, & 5
116.	**Sunset Drive N** Panorama Point to Wabash Avenue	30 NB 35 SB	**25**	28	17 - 26	76%	1, 3, 4, 5, 6, & 7
117.	**Sunset Drive N** Wabash Avenue to Ford Street	35	**25**	36	27 - 36	83%	1, 3, 5, 6, 11h, & 11j
118.	**Sunset Drive N** Ford Street to Franklin Avenue	35	**25**	31	23 - 32	78%	1 & 5
119.	**Sunset Drive S** Serpentine Road to Alessandro Drive	25	25	30	21 - 30	76%	2, 3, 5, & 7
120.	**Sunset Drive S** Alessandro Drive to Ridge Street	25	25	32	22 - 31	76%	2, 3, 5, & 7
121.	**Sunset Drive S** Ridge Street to Helen Drive	25	25	25	15 - 24	67%	N/A
122.	**Sunset Drive S** Helen Drive to Alta Vista Drive	25	25	30	21 - 30	76%	2, 3, 5, & 7
123.	**Tennessee Street & San Mateo Street** Colton Avenue to Brookside Avenue	40	40	44	35 - 44	83%	1, 4, 5, 6, & 7
124.	**Terracina Boulevard** Barton Road to Olive Avenue	45	**40**	49	38 - 47	68%	1, 5, 6, 11d, 11h, 11i, & 11j
125.	**Terracina Boulevard** Olive Avenue to Cypress Avenue	35	35	41	31 - 40	71%	2, 5, & 6
126.	**Texas Street** Redlands Boulevard to Lugonia Avenue	35	35	40	31 - 40	78%	2, 5, 6, & 7
127.	**Texas Street** Lugonia Avenue to San Bernardino Avenue	35	35	43	35 - 44	77%	1, 4, 5, 6, 11b, & 11i
128.	**Texas Street** San Bernardino Avenue to Domestic Avenue	35	35	42	31 - 40	70%	2 & 5
129.	**University Street** Cypress Avenue to Colton Avenue	35	35	39	31 - 40	92%	1, 5, 6, & 7
130.	**University Street** Colton Avenue to Lugonia Avenue	35	35	38	30 - 39	88%	1, 4, 5, & 6
131.	**University Street** Lugonia Avenue to San Bernardino Avenue	25	25	34	24 - 33	73%	1, 4, 5, & 11i
132.	**Via Vista Drive** Country Club Drive to Helena Lane	30	**25**	31	23 - 32	69%	2, 3, 5, & 8

Table 1
City of Redlands 2024 Engineering & Traffic Survey
Speed Survey Summary

Roadway Segment	Posted Speed Limit (mph)	Recommended Speed Limit (mph)[1,2]	85th Percentile Speed (mph)	10 mph Pace Speed (mph)	Percent in Pace (%)	Reasoning for Adjustment from 85th Percentile Speed[3]
133. **Wabash Avenue** Fifth Avenue to Citrus Avenue	45	**40**	47	38 - 47	70%	2, 5, & 6
134. **Wabash Avenue** Citrus Avenue to Colton Avenue	40	**35**	39	30 - 39	82%	1, 5, & 6
135. **Wabash Avenue** Colton Avenue to Sessums Drive	35 / 40	35	39	29 - 38	79%	N/A
136. **Wabash Avenue** Fifth Avenue to Panorama Drive	Not Posted	35	41	31 - 40	63%	N/A
137. **Wabash Avenue** Reservoir Road to Palo Alto Drive	25	25	37	27 - 36	75%	1, 3, 5, 6, 8, 11c, & 11i

[1] Recommended speed limits lower than the existing speed limit are shown in **Bold** and highlighted accordingly.

XX = Recommended speed limit lower than current speed limit (55 Roadway Segments)

[2] Recommended speed is determined in accordance with methodologies, procedures and guidelines contained in the California Manual on Uniform Traffic Control Devices (Caltrans, 2014 Edition) and California Vehicle Code (CVC).

[3] Reason for Adjustment from 85th Percentile Speed:

1. For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding up, then the speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed.
2. For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding down, the posted speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed per CVC 627 and 22358.5.
3. Roadway characteristics not readily apparent to a driver such as shifting alignment, sight distance constraints, railroad crossings, curves, etc.
4. 10 mph pace speed
5. Roadside development and environment such as direct residential or commercial access and close vicinity to activity areas such as schools, parks, churches, community centers, or hospitals.
6. Parking practices and pedestrian activity
7. High accident rate
8. Prima Facie speed limit established per CVC 22352 (b)(1)
9. Business Activity District
10. Retain current speed limit or immediately prior speed limit per CVC 22358.8
11. Land or facility that generates high concentrations of bicyclists or pedestrians such as:
    a. Presence of Retail
    b. Parks, Multi-use Trails, & Recreational Destinations
    c. Schools / Universities
    d. Senior Centers
    e. Religious Facilities & Cultural Areas
    f. Health / Medical Facilities
    g. Transit Stops / Transit Oriented Developments / Transit Priority Areas
    h. Presence of Sidewalks
    i. Presence of Crosswalks
    j. Presence of Bikeways

Table 2
City of Redlands 2024 Engineering & Traffic Survey
Collision Rates for Study Area Roadway Segments

	Roadway Segment	Number of Collisions	Number of Months	Link Length (Miles)	2024 ADT[1]	Collision Rate[2]	Caltrans Base Rate[3]	Exceeds Base Rate?
1.	**Alabama Street** Barton Road to Park Avenue	21	46	0.82	14,254	1.42	0.94	Yes
2.	**Alabama Street** Park Avenue to Lugonia Avenue	67	46	0.76	18,050	3.88	0.94	Yes
3.	**Alabama Street** City Limit s/o Santa Ana River to City Limit Line n/o Santa Ana River	9	46	0.87	16,422	0.49	1.24	No
4.	**Alessandro Road** Crescent Avenue to Sunset Drive	4	46	0.40	7,045	1.25	1.68	No
5.	**Alessandro Road** Sunset Drive to Creekside Drive	3	46	0.80	6,448	0.46	1.68	No
6.	**Alessandro Road** Creekside Drive to San Timoteo Canyon Road	1	46	0.27	5,410	0.68	1.09	No
7.	**Alta Vista Drive** Florida Street to Sunset Drive	2	46	0.66	2,722	0.90	1.68	No
8.	**Barton Road** West City Limit to Terracina Boulevard	11	46	0.26	23,882	1.79	0.94	Yes
9.	**Barton Road** Terracina Boulevard to Alabama Street	7	46	0.33	16,672	1.18	0.94	Yes
10.	**Barton Road** Alabama Street to Lakeside Avenue	10	46	0.40	15,573	1.42	0.94	Yes
11.	**Brockton Avenue** New York Street to Texas Street	0	46	0.25	1,041	0.00	1.68	No
12.	**Brockton Avenue** Texas Street to Church Street	26	46	1.00	2,482	8.10	1.68	Yes
13.	**Brockton Avenue** Church Street to Judson Street	10	46	1.00	4,693	1.65	1.68	No
14.	**Brockton Avenue** Judson Street to Wabash Avenue	9	46	1.00	2,394	2.91	1.68	Yes
15.	**Brookside Avenue** Lakeside Avenue to Center Street	23	46	0.75	12,487	1.95	1.68	Yes
16.	**Brookside Avenue** Center Street to Eureka Street	9	46	0.37	11,337	1.93	1.68	Yes
17.	**Cajon Street** Vine Street to Fern Avenue	4	46	0.35	10,456	1.00	1.68	No
18.	**Cajon Street** Fern Avenue to Garden Street	20	46	0.98	5,876	2.69	1.68	Yes
19.	**California Street** Palmetto Avenue to Almond Avenue (southbound)	0	46	0.75	5,889	0.00	0.94	No
20.	**California Street** Almond Avenue to Redlands Boulevard	55	46	0.75	20,906	2.79	1.23	Yes
21.	**Center Street** State Street to Brookside Avenue	3	46	0.38	8,917	0.79	1.68	No
22.	**Center Street** Brookside Avenue to Cypress Avenue	6	46	0.75	6,070	1.05	1.68	No
23.	**Center Street** Cypress Avenue to Crescent Avenue	7	46	0.66	6,077	1.41	1.68	No
24.	**Center Street** Crescent Avenue to Ridge Street	1	46	0.75	823	1.29	1.68	No
25.	**Central Avenue** University Street to Judson Street	10	46	0.60	2,634	5.18	1.68	Yes
26.	**Church Street** Pioneer Avenue to Redlands Boulevard	43	46	1.90	7,875	2.14	1.68	Yes
27.	**Citrus Avenue** Eureka Street to Orange Street	3	46	0.17	10,552	2.16	0.94	Yes
28.	**Citrus Avenue** Redlands Boulevard to University Street	9	46	0.51	9,858	1.50	1.68	No
29.	**Citrus Avenue** University Street to Wabash Avenue	21	46	1.60	9,332	1.06	0.96	Yes
30.	**Colton Avenue** Redlands Boulevard to Church Street	111	46	1.86	12,117	3.67	0.96	Yes

Table 2
City of Redlands 2024 Engineering & Traffic Survey
Collision Rates for Study Area Roadway Segments

	Roadway Segment	Number of Collisions	Number of Months	Link Length (Miles)	2024 ADT[1]	Collision Rate[2]	Caltrans Base Rate[3]	Exceeds Base Rate?
31.	**Colton Avenue** Church Street to Grove Street	16	46	0.77	6,496	2.54	1.68	Yes
32.	**Colton Avenue** Grove Street to Dearborn Street	7	46	0.73	8,294	0.92	1.68	No
33.	**Colton Avenue** Dearborn Street to Wabash Avenue	1	46	0.49	7,009	0.25	1.24	No
34.	**Crescent Avenue** Ramona Drive to Serpentine Drive	7	46	1.00	7,380	0.73	1.68	No
35.	**Crestview Road** Ford Street to Buckingham Drive	0	46	0.92	503	0.00	1.68	No
36.	**Cypress Avenue** Terracina Boulevard to Center Street	18	46	1.23	5,939	1.88	0.96	Yes
37.	**Cypress Avenue** Center Street to Redlands Boulevard	14	46	0.87	7,120	1.77	0.96	Yes
38.	**Cypress Avenue** Redlands Boulevard to Citrus Avenue	14	46	0.66	8,343	2.05	1.68	Yes
39.	**Dearborn Street** 5th Avenue to Colton Avenue	3	46	0.99	2,853	0.82	1.68	No
40.	**Dearborn Street** Colton Avenue to Lugonia Avenue	2	46	0.52	3,196	1.01	1.68	No
41.	**Dearborn Street** Lugonia Avenue to San Bernardino Avenue	0	46	0.51	1,872	0.00	1.24	No
42.	**Dearborn Street** San Bernardino Avenue to Sessums Drive	0	46	0.36	1,772	0.00	1.68	No
43.	**Elizabeth Street** Garden Street to Crescent Avenue	5	46	0.97	1,403	2.85	1.24	Yes
44.	**Fern Avenue** Redlands Boulevard to Cajon Street	1	46	0.35	4,601	0.57	1.68	No
45.	**Fern Avenue** Cajon Street to Center Street	2	46	0.50	4,165	0.81	1.68	No
46.	**Fern Avenue** Center Street to San Mateo Street	6	46	0.50	4,159	2.43	1.68	Yes
47.	**Fern Avenue** San Mateo Street to Terracina Boulevard	5	46	0.71	3,638	1.55	1.68	No
48.	**Fifth Avenue** Ford Street to Dearborn Street	2	46	0.52	9,124	0.35	1.24	No
49.	**Fifth Avenue** Dearborn Street to Wabash Avenue	1	46	0.50	8,427	0.20	1.24	No
50.	**Ford Street** Citrus Avenue to Fifth Avenue	1	46	0.42	5,537	0.38	1.68	No
51.	**Ford Street** Fifth Avenue to Reservoir Road	12	46	0.55	8,247	2.19	1.68	Yes
52.	**Ford Street** Reservoir Road to Sunset Drive	12	46	0.45	8,845	2.59	0.94	Yes
53.	**Ford Street** Sunset Drive to Garden Hill Drive	0	46	0.55	2,411	0.00	1.68	No
54.	**Franklin Avenue** Eucalyptus Drive to Oak Street	4	46	0.48	792	8.93	1.68	Yes
55.	**Franklin Avenue** Oak Street to Garden Street	0	46	0.49	697	0.00	1.68	No
56.	**Garden Street** Mariposa Drive to Cajon Street	4	46	1.35	2,696	0.83	1.68	No
57.	**Grove Street** Highland Avenue to Citrus Avenue	1	46	0.49	1,239	1.39	1.68	No
58.	**Grove Street** Citrus Avenue to Brockton Avenue	7	46	0.74	2,842	2.65	1.68	Yes
59.	**Highland Avenue** Ford Street to Cajon Street	8	46	1.00	5,607	1.10	1.24	No
60.	**Highland Avenue** Cajon Street to San Mateo Street	9	46	1.00	3,826	1.82	1.68	Yes

Table 2
City of Redlands 2024 Engineering & Traffic Survey
Collision Rates for Study Area Roadway Segments

	Roadway Segment	Number of Collisions	Number of Months	Link Length (Miles)	2024 ADT[1]	Collision Rate[2]	Caltrans Base Rate[3]	Exceeds Base Rate?
61.	**Highland Avenue** San Mateo Street to Serpentine Drive	0	46	0.29	1,710	0.00	1.68	No
62.	**Judson Street** Citrus Avenue to Colton Avenue	5	46	0.49	7,355	1.17	1.68	No
63.	**Judson Street** Colton Avenue to Lugonia Avenue	4	46	0.49	5,887	1.17	1.68	No
64.	**Judson Street** Lugonia Avenue to Pioneer Avenue	1	46	0.75	4,757	0.22	1.68	No
65.	**Live Oak Canyon Road** San Timoteo Canyon Road to Easterly Boundary	7	46	3.68	5,379	0.26	1.24	No
66.	**Lugonia Avenue** 1500' w/o Research Avenue to California Street	0	46	0.58	3,996	0.00	0.94	No
67.	**Lugonia Avenue** California Street to Alabama Street (eastbound)	4	46	0.99	5,858	0.53	0.94	No
68.	**Lugonia Avenue** Alabama Street to Tennessee Street (eastbound)	13	46	0.55	16,897	1.16	0.94	Yes
69.	**Lugonia Avenue** Tennessee Street to Texas Street	20	46	0.46	23,208	1.60	0.94	Yes
70.	**Lugonia Avenue** Texas Street to Orange Street	21	46	0.50	15,254	2.32	0.96	Yes
71.	**Mariposa Drive** Wabash Avenue to Country Club Drive	0	46	0.42	613	0.00	1.68	No
72.	**Mariposa Drive** Country Club Drive to Garden Street	0	46	0.55	2,551	0.00	1.68	No
73.	**Mariposa Drive** Halsey Street to Dwight Street	0	46	0.34	180	0.00	1.68	No
74.	**Mountain View Avenue** I-10 Freeway to Central Avenue (northbound)	9	46	1.29	12,347	0.43	0.94	No
75.	**New York Street** Colton Avenue to Lugonia Avenue	5	46	0.51	6,984	1.18	1.68	No
76.	**Olive Avenue** Citrus Avenue to San Mateo Street	10	46	1.26	4,729	1.28	1.68	No
77.	**Olive Avenue** San Mateo Street to Terracina Boulevard	6	46	0.79	2,793	2.15	1.68	Yes
78.	**Orange Street** Lugonia Avenue to Pioneer Avenue	29	46	0.75	10,803	2.85	1.68	Yes
79.	**Orange Street** Pioneer Avenue to Hubbard Court	6	46	0.22	13,982	2.13	1.24	Yes
80.	**Orange Street** Hubbard Court to City Limits	17	46	0.95	14,013	0.99	1.24	No
81.	**Orange Tree Lane** California Street to Nevada Street	3	46	0.53	4,588	1.03	1.68	No
82.	**Orange Tree Lane** Nevada Street to Alabama Street	1	46	0.52	3,193	0.50	1.68	No
83.	**Pacific Street** Crescent Avenue to Carob Street	0	46	0.35	445	0.00	1.68	No
84.	**Pacific Street** Carob Street to Ridge Street	0	46	0.50	215	0.00	1.68	No
85.	**Palm Avenue** Serpentine Drive to San Mateo Street	0	46	0.24	1,321	0.00	1.68	No
86.	**Palm Avenue** San Mateo Street to Ford Street	13	46	2.21	4,466	0.97	1.68	No
87.	**Palmetto Avenue** Nevada Street to California Street (westbound)	0	46	0.50	2,690	0.00	1.68	No
88.	**Palmetto Avenue** California Street to Marigold Avenue	1	46	0.39	1,714	1.33	0.94	Yes
89.	**Palo Alto Drive** Country Club Drive to Mirasol Drive	0	46	0.27	1,350	0.00	1.68	No
90.	**Palo Alto Drive** Mirasol Drive to Sunset Drive	0	46	0.68	1,141	0.00	1.68	No

Table 2
City of Redlands 2024 Engineering & Traffic Survey
Collision Rates for Study Area Roadway Segments

	Roadway Segment	Number of Collisions	Number of Months	Link Length (Miles)	2024 ADT[1]	Collision Rate[2]	Caltrans Base Rate[3]	Exceeds Base Rate?
91.	**Pennsylvania Avenue** Texas Street to Orange Street	3	46	0.50	2,944	1.72	1.68	Yes
92.	**Pennsylvania Avenue** Orange Street to Church Street	3	46	0.50	4,000	1.26	1.68	No
93.	**Pennsylvania Avenue** Church Street to University Street	0	46	0.37	1,895	0.00	1.68	No
94.	**Pennsylvania Avenue** University Street to Judson Street	1	46	0.63	1,620	0.80	1.68	No
95.	**Pioneer Avenue** Texas Street to Orange Street	11	46	0.51	6,610	2.74	1.68	Yes
96.	**Pioneer Avenue** Orange Street to Occidental Drive	3	46	0.75	5,207	0.61	1.68	No
97.	**Pioneer Avenue** Occidental Drive to Dearborn Street	5	46	1.12	3,653	0.94	1.24	No
98.	**Pioneer Avenue** Texas Street to I-210 Freeway	6	46	0.55	6,983	1.30	1.31	No
99.	**Redlands Boulevard** California Street to Texas Street	66	46	2.10	7,122	3.27	0.94	Yes
100.	**Redlands Boulevard** Texas Street to Eureka Street	7	46	0.33	13,178	1.49	0.94	Yes
101.	**Redlands Boulevard** Eureka Street to Citrus Avenue	26	46	0.63	15,693	2.14	0.94	Yes
102.	**Redlands Boulevard** Citrus Avenue to Highland Avenue	30	46	0.95	12,726	1.93	0.94	Yes
103.	**Redlands Boulevard** Highland Avenue to Ford Street	4	46	0.61	14,422	0.37	0.94	No
104.	**Reservoir Road** Ford Street to Wabash Avenue	3	46	1.11	2,737	0.76	1.24	No
105.	**Rossmont Drive** Garden Street to Sunset Drive	0	46	0.46	781	0.00	1.68	No
106.	**San Bernardino Avenue** Tennessee Street to Orange Street	24	46	0.97	17,340	1.11	1.24	No
107.	**San Bernardino Avenue** Orange Street to University Street	9	46	0.88	11,076	0.72	1.68	No
108.	**San Bernardino Avenue** University Street to Wabash Avenue	15	46	1.62	8,047	0.86	1.68	No
109.	**San Bernardino Avenue** Mountain View Avenue to California Street	3	46	1.00	13,920	0.17	1.23	No
110.	**San Mateo Street** Brookside Avenue to Fern Avenue	3	46	0.50	9,031	0.56	0.96	No
111.	**San Mateo Street** Fern Avenue to Highland Avenue	3	46	0.75	5,244	0.61	0.96	No
112.	**San Timoteo Canyon Road** Fern Avenue to Barton Road	21	46	1.32	8,686	1.39	1.24	Yes
113.	**Sunnyside Avenue** Fern Avenue to Cypress Avenue	0	46	0.26	804	0.00	1.68	No
114.	**Sunnyside Avenue** Cypress Avenue to Smiley Heights Drive	0	46	0.37	423	0.00	1.68	No
115.	**Sunset Drive N** Alta Vista Drive to Panorama Point	0	46	0.57	574	0.00	1.68	No
116.	**Sunset Drive N** Panorama Point to Wabash Avenue	6	46	0.57	766	11.33	1.68	Yes
117.	**Sunset Drive N** Wabash Avenue to Ford Street	0	46	1.26	1,785	0.00	1.68	No
118.	**Sunset Drive N** Ford Street to Franklin Avenue	0	46	0.21	1,260	0.00	1.68	No
119.	**Sunset Drive S** Serpentine Road to Alessandro Drive	1	46	0.73	330	3.31	1.68	Yes
120.	**Sunset Drive S** Alessandro Drive to Ridge Street	1	46	0.70	627	1.83	1.68	Yes

Table 2
City of Redlands 2024 Engineering & Traffic Survey
Collision Rates for Study Area Roadway Segments

	Roadway Segment	Number of Collisions	Number of Months	Link Length (Miles)	2024 ADT[1]	Collision Rate[2]	Caltrans Base Rate[3]	Exceeds Base Rate?
121.	**Sunset Drive S** Ridge Street to Helen Drive	4	46	1.92	972	1.60	1.68	No
122.	**Sunset Drive S** Helen Drive to Alta Vista Drive	2	46	0.78	987	2.06	1.68	Yes
123.	**Tennessee Street & San Mateo Street** Colton Avenue to Brookside Avenue	40	46	1.00	12,074	2.56	0.96	Yes
124.	**Terracina Boulevard** Barton Road to Olive Avenue	2	46	0.78	9,157	0.22	1.24	No
125.	**Terracina Boulevard** Olive Avenue to Cypress Avenue	0	46	0.49	5,837	0.00	0.96	No
126.	**Texas Street** Redlands Boulevard to Lugonia Avenue	23	46	0.85	9,293	2.29	0.96	Yes
127.	**Texas Street** Lugonia Avenue to San Bernardino Avenue	2	46	0.50	5,462	0.62	1.68	No
128.	**Texas Street** San Bernardino Avenue to Domestic Avenue	3	46	0.50	6,029	0.84	1.68	No
129.	**University Street** Cypress Avenue to Colton Avenue	36	46	0.69	16,751	2.50	1.68	Yes
130.	**University Street** Colton Avenue to Lugonia Avenue	9	46	0.50	10,659	1.42	1.68	No
131.	**University Street** Lugonia Avenue to San Bernardino Avenue	1	46	0.50	1,980	0.85	1.68	No
132.	**Via Vista Drive** Country Club Drive to Helena Lane	0	46	0.64	219	0.00	1.68	No
133.	**Wabash Avenue** Fifth Avenue to Citrus Avenue	1	46	0.49	4,640	0.37	1.24	No
134.	**Wabash Avenue** Citrus Avenue to Colton Avenue	3	46	0.51	6,044	0.82	1.68	No
135.	**Wabash Avenue** Colton Avenue to Sessums Drive	13	46	1.39	10,021	0.71	0.94	No
136.	**Wabash Avenue** Fifth Avenue to Panorama Drive	0	46	0.79	665	0.00	1.31	No
137.	**Wabash Avenue** Reservoir Road to Palo Alto Drive	2	46	0.98	2,420	0.65	1.68	No

[1] ADT = Average Daily Traffic
[2] Collisions per million vehicle miles traveled
[3] Source: Caltrans Crash Data on California State Highways (Road Miles, Travel, Crashes, Crash Rates) (2022)

Table 3
City of Redlands 2024 Engineering & Traffic Survey
Total Collisions by Year[1]

	Roadway Segment	2021	2022	2023	2024
1.	**Alabama Street** Barton Road to Park Avenue	6	8	9	3
2.	**Alabama Street** Park Avenue to Lugonia Avenue	24	14	23	13
3.	**Alabama Street** City Limit s/o Santa Ana River to City Limit Line n/o Santa Ana River	5	2	2	1
4.	**Alessandro Road** Crescent Avenue to Sunset Drive	2	0	2	2
5.	**Alessandro Road** Sunset Drive to Creekside Drive	2	1	2	1
6.	**Alessandro Road** Creekside Drive to San Timoteo Canyon Road	1	2	1	0
7.	**Alta Vista Drive** Florida Street to Sunset Drive	1	0	1	1
8.	**Barton Road** West City Limit to Terracina Boulevard	8	4	2	3
9.	**Barton Road** Terracina Boulevard to Alabama Street	1	4	4	3
10.	**Barton Road** Alabama Street to Lakeside Avenue	6	3	3	4
11.	**Brockton Avenue** New York Street to Texas Street	0	0	0	0
12.	**Brockton Avenue** Texas Street to Church Street	4	7	11	6
13.	**Brockton Avenue** Church Street to Judson Street	4	4	1	2
14.	**Brockton Avenue** Judson Street to Wabash Avenue	3	3	2	3
15.	**Brookside Avenue** Lakeside Avenue to Center Street	8	7	9	8
16.	**Brookside Avenue** Center Street to Eureka Street	8	4	10	3
17.	**Cajon Street** Vine Street to Fern Avenue	2	4	1	1
18.	**Cajon Street** Fern Avenue to Garden Street	5	8	11	1
19.	**California Street** Palmetto Avenue to Almond Avenue (southbound)	1	1	2	1
20.	**California Street** Almond Avenue to Redlands Boulevard	13	17	17	15
21.	**Center Street** State Street to Brookside Avenue	2	3	3	0
22.	**Center Street** Brookside Avenue to Cypress Avenue	2	6	2	2
23.	**Center Street** Cypress Avenue to Crescent Avenue	0	0	4	3

Table 3
City of Redlands 2024 Engineering & Traffic Survey
Total Collisions by Year[1]

	Roadway Segment	2021	2022	2023	2024
24.	**Center Street** Crescent Avenue to Ridge Street	1	0	0	1
25.	**Central Avenue** University Street to Judson Street	1	1	9	2
26.	**Church Street** Pioneer Avenue to Redlands Boulevard	14	6	18	7
27.	**Citrus Avenue** Eureka Street to Orange Street	2	6	4	1
28.	**Citrus Avenue** Redlands Boulevard to University Street	10	4	5	4
29.	**Citrus Avenue** University Street to Wabash Avenue	3	8	7	7
30.	**Colton Avenue** Redlands Boulevard to Church Street	34	39	37	15
31.	**Colton Avenue** Church Street to Grove Street	7	2	9	1
32.	**Colton Avenue** Grove Street to Dearborn Street	2	1	6	1
33.	**Colton Avenue** Dearborn Street to Wabash Avenue	1	2	1	1
34.	**Crescent Avenue** Ramona Drive to Serpentine Drive	0	2	1	4
35.	**Crestview Road** Ford Street to Buckingham Drive	0	0	0	0
36.	**Cypress Avenue** Terracina Boulevard to Center Street	9	3	4	4
37.	**Cypress Avenue** Center Street to Redlands Boulevard	4	3	5	6
38.	**Cypress Avenue** Redlands Boulevard to Citrus Avenue	3	6	7	1
39.	**Dearborn Street** 5th Avenue to Colton Avenue	1	1	2	0
40.	**Dearborn Street** Colton Avenue to Lugonia Avenue	2	1	1	0
41.	**Dearborn Street** Lugonia Avenue to San Bernardino Avenue	0	0	0	0
42.	**Dearborn Street** San Bernardino Avenue to Sessums Drive	0	0	0	0
43.	**Elizabeth Street** Garden Street to Crescent Avenue	2	2	0	1
44.	**Fern Avenue** Redlands Boulevard to Cajon Street	0	2	2	1
45.	**Fern Avenue** Cajon Street to Center Street	2	1	2	0
46.	**Fern Avenue** Center Street to San Mateo Street	1	3	3	3

Table 3
City of Redlands 2024 Engineering & Traffic Survey
Total Collisions by Year[1]

Roadway Segment	2021	2022	2023	2024
47. **Fern Avenue** San Mateo Street to Terracina Boulevard	1	1	0	0
48. **Fifth Avenue** Ford Street to Dearborn Street	2	0	0	0
49. **Fifth Avenue** Dearborn Street to Wabash Avenue	0	0	1	0
50. **Ford Street** Citrus Avenue to Fifth Avenue	1	1	0	0
51. **Ford Street** Fifth Avenue to Reservoir Road	2	2	10	3
52. **Ford Street** Reservoir Road to Sunset Drive	3	3	5	2
53. **Ford Street** Sunset Drive to Garden Hill Drive	0	0	0	0
54. **Franklin Avenue** Eucalyptus Drive to Oak Street	1	2	0	1
55. **Franklin Avenue** Oak Street to Garden Street	0	0	0	0
56. **Garden Street** Mariposa Drive to Cajon Street	0	1	3	2
57. **Grove Street** Highland Avenue to Citrus Avenue	0	0	0	0
58. **Grove Street** Citrus Avenue to Brockton Avenue	4	0	2	2
59. **Highland Avenue** Ford Street to Cajon Street	3	1	5	2
60. **Highland Avenue** Cajon Street to San Mateo Street	4	0	5	2
61. **Highland Avenue** San Mateo Street to Serpentine Drive	0	2	0	0
62. **Judson Street** Citrus Avenue to Colton Avenue	0	2	2	2
63. **Judson Street** Colton Avenue to Lugonia Avenue	1	1	3	1
64. **Judson Street** Lugonia Avenue to Pioneer Avenue	1	1	1	0
65. **Live Oak Canyon Road** San Timoteo Canyon Road to Easterly Boundary	3	0	3	3
66. **Lugonia Avenue** 1500' w/o Research Avenue to California Street	0	2	0	0
67. **Lugonia Avenue** California Street to Alabama Street (eastbound)	0	2	2	3
68. **Lugonia Avenue** Alabama Street to Tennessee Street (eastbound)	7	2	7	8
69. **Lugonia Avenue** Tennessee Street to Texas Street	10	10	4	4

Table 3
City of Redlands 2024 Engineering & Traffic Survey
Total Collisions by Year[1]

Roadway Segment	2021	2022	2023	2024
70. **Lugonia Avenue** Texas Street to Orange Street	11	7	9	5
71. **Mariposa Drive** Wabash Avenue to Country Club Drive	0	0	0	0
72. **Mariposa Drive** Country Club Drive to Garden Street	0	0	0	0
73. **Mariposa Drive** Halsey Street to Dwight Street	0	0	1	0
74. **Mountain View Avenue** I-10 Freeway to Central Avenue (northbound)	3	3	4	0
75. **New York Street** Colton Avenue to Lugonia Avenue	3	3	2	2
76. **Olive Avenue** Citrus Avenue to San Mateo Street	2	2	7	1
77. **Olive Avenue** San Mateo Street to Terracina Boulevard	2	0	4	0
78. **Orange Street** Lugonia Avenue to Pioneer Avenue	7	13	19	6
79. **Orange Street** Pioneer Avenue to Hubbard Court	6	0	5	1
80. **Orange Street** Hubbard Court to City Limits	3	3	8	3
81. **Orange Tree Lane** California Street to Nevada Street	0	3	3	2
82. **Orange Tree Lane** Nevada Street to Alabama Street	1	0	3	0
83. **Pacific Street** Crescent Avenue to Carob Street	0	0	0	0
84. **Pacific Street** Carob Street to Ridge Street	0	1	0	0
85. **Palm Avenue** Serpentine Drive to San Mateo Street	0	0	0	0
86. **Palm Avenue** San Mateo Street to Ford Street	2	5	6	2
87. **Palmetto Avenue** Nevada Street to California Street (westbound)	0	0	1	0
88. **Palmetto Avenue** California Street to Marigold Avenue	1	0	0	0
89. **Palo Alto Drive** Country Club Drive to Mirasol Drive	0	0	0	0
90. **Palo Alto Drive** Mirasol Drive to Sunset Drive	0	0	0	0
91. **Pennsylvania Avenue** Texas Street to Orange Street	2	1	2	1
92. **Pennsylvania Avenue** Orange Street to Church Street	2	1	0	0

Table 3
City of Redlands 2024 Engineering & Traffic Survey
Total Collisions by Year[1]

	Roadway Segment	2021	2022	2023	2024
93.	**Pennsylvania Avenue** Church Street to University Street	0	0	0	0
94.	**Pennsylvania Avenue** University Street to Judson Street	0	0	1	0
95.	**Pioneer Avenue** Texas Street to Orange Street	6	4	2	1
96.	**Pioneer Avenue** Orange Street to Occidental Drive	0	0	1	2
97.	**Pioneer Avenue** Occidental Drive to Dearborn Street	2	1	0	0
98.	**Pioneer Avenue** Texas Street to I-210 Freeway	3	0	3	2
99.	**Redlands Boulevard** California Street to Texas Street	12	18	18	23
100.	**Redlands Boulevard** Texas Street to Eureka Street	2	6	5	0
101.	**Redlands Boulevard** Eureka Street to Citrus Avenue	4	7	6	11
102.	**Redlands Boulevard** Citrus Avenue to Highland Avenue	10	9	10	7
103.	**Redlands Boulevard** Highland Avenue to Ford Street	4	2	6	1
104.	**Reservoir Road** Ford Street to Wabash Avenue	1	1	0	1
105.	**Rossmont Drive** Garden Street to Sunset Drive	0	0	0	0
106.	**San Bernardino Avenue** Tennessee Street to Orange Street	4	12	12	2
107.	**San Bernardino Avenue** Orange Street to University Street	1	2	5	2
108.	**San Bernardino Avenue** University Street to Wabash Avenue	2	5	6	4
109.	**San Bernardino Avenue** Mountain View Avenue to California Street	2	4	1	3
110.	**San Mateo Street** Brookside Avenue to Fern Avenue	1	0	1	2
111.	**San Mateo Street** Fern Avenue to Highland Avenue	2	1	1	0
112.	**San Timoteo Canyon Road** Fern Avenue to Barton Road	7	11	4	6
113.	**Sunnyside Avenue** Fern Avenue to Cypress Avenue	0	1	0	0
114.	**Sunnyside Avenue** Cypress Avenue to Smiley Heights Drive	0	0	0	0
115.	**Sunset Drive N** Alta Vista Drive to Panorama Point	0	0	1	0

Table 3
City of Redlands 2024 Engineering & Traffic Survey
Total Collisions by Year[1]

	Roadway Segment	2021	2022	2023	2024
116.	**Sunset Drive N** Panorama Point to Wabash Avenue	3	5	1	1
117.	**Sunset Drive N** Wabash Avenue to Ford Street	0	0	0	0
118.	**Sunset Drive N** Ford Street to Franklin Avenue	0	0	0	0
119.	**Sunset Drive S** Serpentine Road to Alessandro Drive	0	0	1	0
120.	**Sunset Drive S** Alessandro Drive to Ridge Street	0	0	1	1
121.	**Sunset Drive S** Ridge Street to Helen Drive	2	0	2	0
122.	**Sunset Drive S** Helen Drive to Alta Vista Drive	0	1	2	0
123.	**Tennessee Street & San Mateo Street** Colton Avenue to Brookside Avenue	9	13	20	5
124.	**Terracina Boulevard** Barton Road to Olive Avenue	2	0	2	0
125.	**Terracina Boulevard** Olive Avenue to Cypress Avenue	2	0	0	0
126.	**Texas Street** Redlands Boulevard to Lugonia Avenue	5	8	6	7
127.	**Texas Street** Lugonia Avenue to San Bernardino Avenue	1	1	2	2
128.	**Texas Street** San Bernardino Avenue to Domestic Avenue	2	2	1	8
129.	**University Street** Cypress Avenue to Colton Avenue	10	9	14	0
130.	**University Street** Colton Avenue to Lugonia Avenue	4	1	6	2
131.	**University Street** Lugonia Avenue to San Bernardino Avenue	6	1	4	1
132.	**Via Vista Drive** Country Club Drive to Helena Lane	0	0	0	0
133.	**Wabash Avenue** Fifth Avenue to Citrus Avenue	0	1	0	0
134.	**Wabash Avenue** Citrus Avenue to Colton Avenue	0	0	2	1
135.	**Wabash Avenue** Colton Avenue to Sessums Drive	8	2	4	0
136.	**Wabash Avenue** Fifth Avenue to Panorama Drive	0	1	0	0
137.	**Wabash Avenue** Reservoir Road to Palo Alto Drive	2	0	0	0
	Total Collisions	***414***	***399***	***523***	***289***

[1] Total collissions include all reported collissions along the segment, including collissions that occurred at intersections.

Table 4
City of Redlands 2024 Engineering & Traffic Survey
Severe and Fatal Collisions[1]

	Roadway Segment	Total S+F Collisions	Severe Collisions	Fatal Collisions	Mode
30.	**Colton Avenue** Redlands Boulevard to Church Street	5	2	0	Vehicle / Other Motor Vehicle
			1	1	Vehicle / Object
			1	0	Vehicle / Pedestrian
80.	**Orange Street** Hubbard Court to City Limits	4	1	0	Vehicle / Object
			0	2	Vehicle / Pedestrian
			1	0	Vehicle / Other Motor Vehicle
2.	**Alabama Street** Park Avenue to Lugonia Avenue	2	1	0	Vehicle / Other Motor Vehicle
			0	1	Vehicle / Train
29.	**Citrus Avenue** University Street to Wabash Avenue	2	1	0	Vehicle / Pedestrian
			1	0	Vehicle / Other Motor Vehicle
37.	**Cypress Avenue** Center Street to Redlands Boulevard	2	1	0	Vehicle / Other Motor Vehicle
			0	1	Vehicle / Pedestrian
38.	**Cypress Avenue** Redlands Boulevard to Citrus Avenue	2	1	0	Vehicle / Other Motor Vehicle
			0	1	Vehicle / Other Parked Motor Vehicle
51.	**Ford Street** Fifth Avenue to Reservoir Road	2	1	0	Vehicle / Other Motor Vehicle
			1	0	Vehicle / Object
69.	**Lugonia Avenue** Tennessee Street to Texas Street	2	1	0	Vehicle / Bicycle
			1	0	Vehicle / Pedestrian
70.	**Lugonia Avenue** Texas Street to Orange Street	2	2	0	Vehicle / Other Motor Vehicle
74.	**Mountain View Avenue** I-10 Freeway to Central Avenue (northbound)	2	0	1	Vehicle / Pedestrian
			1	0	Vehicle / Other Motor Vehicle
79.	**Orange Street** Pioneer Avenue to Hubbard Court	2	1	0	Vehicle / Other Motor Vehicle
			1	0	Vehicle / Object
109.	**San Bernardino Avenue** Mountain View Avenue to California Street	2	0	2	Vehicle / Pedestrian
116.	**Sunset Drive N** Panorama Point to Wabash Avenue	2	1	0	Vehicle / Other Parked Motor Vehicle
			1	0	Vehicle / Bicycle
126.	**Texas Street** Redlands Boulevard to Lugonia Avenue	2	1	1	Vehicle / Pedestrian
4.	**Alessandro Road** Crescent Avenue to Sunset Drive	1	1	0	Vehicle / Bicylce
18.	**Cajon Street** Fern Avenue to Garden Street	1	1	0	Vehicle / Other Motor Vehicle
26.	**Church Street** Pioneer Avenue to Redlands Boulevard	1	1	0	Vehicle / Pedestrian
27.	**Citrus Avenue** Eureka Street to Orange Street	1	1	0	Vehicle / Object
31.	**Colton Avenue** Church Street to Grove Street	1	1	0	Vehicle / Other Motor Vehicle
32.	**Colton Avenue** Grove Street to Dearborn Street	1	1	0	Vehicle / Pedestrian
39.	**Dearborn Street** 5th Avenue to Colton Avenue	1	1	0	Vehicle / Pedestrian
44.	**Fern Avenue** Redlands Boulevard to Cajon Street	1	1	0	Vehicle / Other Motor Vehicle
59.	**Highland Avenue** Ford Street to Cajon Street	1	1	0	Vehicle / Other Motor Vehicle
78.	**Orange Street** Lugonia Avenue to Pioneer Avenue	1	1	0	Vehicle / Bicycle
99.	**Redlands Boulevard** California Street to Texas Street	1	1	0	Vehicle / Pedestrian
102.	**Redlands Boulevard** Citrus Avenue to Highland Avenue	1	1	0	Vehicle / Object
110.	**San Mateo Street** Brookside Avenue to Fern Avenue	1	1	0	Vehicle / Other Motor Vehicle
112.	**San Timoteo Canyon Road** Fern Avenue to Barton Road	1	0	1	Vehicle / Object
121.	**Sunset Drive S** Ridge Street to Helen Drive	1	1	0	Vehicle / Bicycle
122.	**Sunset Drive S** Helen Drive to Alta Vista Drive	1	1	0	Vehicle / Pedestrian
123.	**Tennessee Street & San Mateo Street** Colton Avenue to Brookside Avenue	1	1	0	Vehicle / Pedestrian

Table 4
City of Redlands 2024 Engineering & Traffic Survey
Severe and Fatal Collisions[1]

	Roadway Segment	Total S+F Collisions	Severe Collisions	Fatal Collisions	Mode
125.	**Terracina Boulevard** Olive Avenue to Cypress Avenue	1	1	0	Vehicle / Object
130.	**University Street** Colton Avenue to Lugonia Avenue	1	1	0	Vehicle / Pedestrian
131.	**University Street** Lugonia Avenue to San Bernardino Avenue	1	0	1	Vehicle / Other Motor Vehicle
135.	**Wabash Avenue** Colton Avenue to Sessums Drive	1	1	0	Vehicle / Other Motor Vehicle

[1] Severe and fatal collisions reported from 2021 to 2024.

Appendices

Appendix A
CA MUTCD Section 2B.13

Standard:

03 **If used, the In-Street Pedestrian Crossing sign shall be placed in the roadway at the crosswalk location on the center line, on a lane line, or on a median island. The In-Street Pedestrian Crossing sign shall not be post-mounted on the left-hand or right-hand side of the roadway.**

04 **If used, the Overhead Pedestrian Crossing sign shall be placed over the roadway at the crosswalk location.**

05 **An In-Street or Overhead Pedestrian Crossing sign shall not be placed in advance of the crosswalk to educate road users about the State law prior to reaching the crosswalk, nor shall it be installed as an educational display that is not near any crosswalk.**

Guidance:

06 *If an island (see Chapter 3I) is available, the In-Street Pedestrian Crossing sign, if used, should be placed on the island.*

Option:

07 If a Pedestrian Crossing (W11-2) warning sign is used in combination with an In-Street or an Overhead Pedestrian Crossing sign, the W11-2 sign with a diagonal downward pointing arrow (W16-7P) plaque may be post-mounted on the right-hand side of the roadway at the crosswalk location.

Standard:

08 **The In-Street Pedestrian Crossing sign and the Overhead Pedestrian Crossing sign shall not be used at ~~signalized locations~~** controlled approaches**.**

09 **The STOP FOR legend shall only be used in States where the State law specifically requires that a driver must stop for a pedestrian in a crosswalk.**

10 **The In-Street Pedestrian Crossing sign shall have a black legend (except for the red ~~STOP or~~ YIELD sign symbols) and border on a white background, surrounded by an outer yellow or fluorescent yellow-green background area (see Figure 2B-2). The Overhead Pedestrian Crossing sign shall have a black legend and border on a yellow or fluorescent yellow-green background at the top of the sign and a black legend and border on a white background at the bottom of the sign (see Figure 2B-2).**

11 **Unless the In-Street Pedestrian Crossing sign is placed on a physical island, the sign support shall be designed to bend over and then bounce back to its normal vertical position when struck by a vehicle.**

Support:

12 The Provisions of Section 2A.18 concerning mounting height are not applicable for the In-Street Pedestrian Crossing sign.

Standard:

13 **The top of an In-Street Pedestrian Crossing sign shall be a maximum of 4 feet above the pavement surface. The top of an In-Street Pedestrian Crossing sign placed in an island shall be a maximum of 4 feet above the island surface.**

Option:

14 The In-Street Pedestrian Crossing sign may be used ~~seasonably~~ seasonally to prevent damage in winter because of plowing operations, and may be removed at night if the pedestrian activity at night is minimal.

15 In-Street Pedestrian Crossing signs, Overhead Pedestrian Crossing signs, and Yield Here To ~~(Stop Here For)~~ Pedestrians signs may be used together at the same crosswalk.

Section 2B.13 Speed Limit Sign (R2-1)

Support:

00 The setting of speed limits can be controversial and requires a rational and defensible determination to maintain public confidence. Speed limits are normally set near the 85th-percentile speed that statistically represents one standard deviation above the average speed and establishes the upper limit of what is considered reasonable and prudent. As with most laws, speed limits need to depend on the voluntary compliance of the greater majority of motorists. Speed limits cannot be set arbitrarily low, as this would create violators of the majority of drivers and would not command the respect of the public. Artificially low speed limits can lead to poor compliance as well as large variations in speed within the traffic stream. Increased speed variance can also create more conflicts and passing maneuvers.

00a The most effective way to reduce speeds is through a combination of strategies using traffic control devices related to speed management, roadway design and engineering solutions, traffic calming techniques and measures, public education,

and enforcement efforts. Effectively managing road user speed relies on numerous factors, which include enforcement, roadway characteristics, surrounding environment, adjacent land use, and traffic control devices. Many studies find that engineering changes, such as change a road's infrastructure, are one of the most important factors in reducing vehicle operating speeds. Engineering changes are also one of the most effective interventions at reducing pedestrian injury and fatality rates. Potential street engineering changes, such as curb extensions, median islands, raised crosswalks, roundabouts, and speed bumps or speed humps, naturally result in lower speeds. It is realized that these engineering changes can be costly and time-consuming to implement.

Standard:

01 **Speed zones (other than statutory speed limits) shall only be established on the basis of an engineering** and traffic survey (E&TS) ~~**study**~~ **that has been performed in accordance with traffic engineering practices. The engineering study shall include an analysis of the current speed distribution of free-flowing vehicles.**

02 **The Speed Limit (R2-1) sign (see Figure 2B-3) shall display the limit established by law, ordinance, regulation, or as adopted by the authorized agency based on the engineering study. The speed limits displayed shall be in multiples of 5 mph.**

03 **Speed Limit (R2-1) signs, indicating speed limits for which posting is required by law, shall be located at the points of change from one speed limit to another.**

04 **At the downstream end of the section to which a speed limit applies, a Speed Limit sign showing the next speed limit shall be installed. Additional Speed Limit signs shall be installed beyond major intersections and at other locations where it is necessary to remind road users of the speed limit that is applicable.**

05 **Speed Limit signs indicating the statutory speed limits shall be installed at entrances to the State and, where appropriate, at jurisdictional boundaries in urban areas.**

Support:

06 In general, the maximum speed limits applicable to rural and urban roads are established:

A. Statutorily – a maximum speed limit applicable to a particular class of road, such as freeways or city streets, that is established by State law; or

B. As altered speed zones – based on engineering studies.

07 State statutory limits might restrict the maximum speed limit that can be established on a particular road, notwithstanding what an engineering study might indicate.

Option:

08 ~~If a jurisdiction has a policy of installing Speed Limit signs in accordance with statutory requirements only on the streets that enter a city, neighborhood, or residential area to indicate the speed limit that is applicable to the entire city, neighborhood, or residential area unless otherwise posted, a CITYWIDE (R2-5aP), NEIGHBORHOOD (R2-5bP), or RESIDENTIAL (R2-5cP) plaque may be mounted above the Speed Limit sign and an UNLESS OTHERWISE POSTED (R2-5P) plaque may be mounted below the Speed Limit sign (see Figure 2B-3).~~

Guidance:

09 *A Reduced Speed Limit Ahead (W3-5 or W3-5a) sign (see Section 2C.38) should be used to inform road users of a reduced speed zone where the speed limit is being reduced by more than 10 mph, or where engineering judgment indicates the need for advance notice to comply with the posted speed limit ahead.*

10 *States and local agencies should conduct engineering studies* at least once every 5, 7 or 14 years, in compliance with CVC Section 40802 *to reevaluate non-statutory speed limits on segments of their roadways that have undergone significant changes since the last review, such as the addition or elimination of parking or driveways, changes in the number of travel lanes, changes in the configuration of bicycle lanes, changes in traffic control signal coordination, or significant changes in traffic volumes.*

11 *No more than three speed limits should be displayed on any one Speed Limit sign or assembly.*

12 ~~*When a speed limit within a speed zone is posted, it should be within 5 mph of the 85th percentile speed of free-flowing traffic.*~~

CVC Section 22358.6 – 85th-Percentile, Rounding, 5 mph Increment, 5 mph speed reduction and Maximum Speed Reduction

Standard:

12a When a speed limit is to be posted, it shall be established at the nearest 5 mph increment of the 85th-percentile speed of free-flowing traffic (CVC Section 22358.6(a)), except as shown in the two Options below for rounding down and using 5 mph speed reduction (CVC Section 22358.6(b)), or rounding up (CVC Section 22358.6(c)), or if using

additional 5 mph speed reduction on local agency roadways for safety corridor designation (CVC Section 22358.7(a)(1)) or adjacent to land or facility generating high concentrations of bicyclists and pedestrians (CVC Section 22358.7(a)(2)).

Option:

1. For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding down, the posted speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed, in compliance with CVC Sections 627 and 22358.5. CVC Sections 22353, 22353.2, 22353.3, 22353.4, and 22353.5, may also be considered, if applicable. See Standard below for documentation requirements. Refer to CVC Section 22358.6(b).
2. For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding up, then the speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC Section 21400(b). Refer to CVC Section 22358.6(c).

Standard:

12b If the speed limit to be posted has had the 5 mph reduction applied, then an E&TS shall document in writing the conditions and justification for the lower speed limit and be approved by a registered Civil or Traffic Engineer. The reasons for the lower speed limit shall be in compliance with CVC Sections 627 and 22358.5. Refer to Section 22358.6(b).

12c The total reduction in the speed limit using the nearest 5 mph increment (CVC Section 22358.6(a)), rounding up (CVC Section 22358.6(c)), rounding down and using 5 mph speed reduction (CVC Section22358.6(b)), additional 5 mph speed reduction for safety corridor designation (CVC Section 22358.7(a)(1)) or adjacent to land or facility generating high concentrations of bicyclists and pedestrians (CVC Section 22358.7(a)(2)), this speed reduction shall not exceed 12.4 mph from the 85th-percentile speed. Refer to CVC Section 22358.6(e).

Support:

12d Refer to Tables 2B-103(CA) and 2B-104(CA), which provides examples of 85th-percentile speed values and the application of the speed limit policies and criteria applicable per CVC 22358.6 and 22358.7.

12e Any existing E&TS that was performed before January 1, 2022 in accordance with previous traffic control device standards is not required to be updated until it is due for reevaluation per the 5, 7 or 14 year criteria.

CVC Sections 22358.7, 22358.8 and 22358.9 – Applicability on State Highway System & Local Agency Roadways

Standard:

12f CVC Sections 22358.7, 22358.8 and 22358.9 and their related policies shall not be applicable to roadways on the State Highway System.

Support:

12g CVC Sections 22358.7, 22358.8 and 22358.9 and their related policies are applicable on local agency roadways.

12h CVC Sections 22358.7, 22358.8 and 22358.9 and their related policies are also applicable on any privately owned and maintained roads or commercial establishments, if the private road or private property has been subjected to the CVC application by the private property owner or a particular city or county enacts an ordinance or resolution to this effect. Refer to CVC Sections 21100, 21100.1, 21107, 21107.5, 21107.6, and 21107.7.

Standard:

12i The additional 5 mph speed reduction allowed by CVC Section 22358.7 on designated safety corridors or on portions of highway adjacent to any land or facility that generates high concentrations of bicyclists or pedestrians, shall not be applicable on any roadway segment that is on the State Highway System

12j The option allowed by CVC Section 22358.8 to retain the currently adopted speed limit or restore the immediately prior adopted speed limit, shall not be applicable on any roadway segment that is on the State Highway System.

12k Declaring prima facie speed limits of 25 mph or 20 mph on a highway contiguous to a business activity district allowed by CVC Section 22358.9 shall not be applicable on any roadway segment that is on the State Highway System.

CVC Section 22358.7 – Safety corridor and Land or Facilities Generating High Concentrations of Bicyclists and Pedestrians

Standard:

12l Additional lowering of the speed limits from those calculated using rounding (up or down) per CVC Section 22358.6(b) and 22358.6(c) and 5 mph speed reduction using CVC Section 22358.6(b), as included in paragraph 12a,

and Options #1 and #2 processes, is prohibited, except for the local agency roadway segments designated as "safety corridor" or "land or facilities that generate high concentrations of bicyclists and pedestrians" in compliance with CVC Sections 22358.6(d) and 22358.7.

Option:

12m Local agencies may additionally lower the speed limits by 5 mph from those calculated using rounding (up or down) per CVC Section 22358.6(b) and 22358.6(c) and 5 mph speed reduction using CVC Section 22358.6(b) if, after completing an E&TS, find that the speed limit is still more than is reasonable or safe, for either of the following reasons:

1. The portion of a highway has been designated as a safety corridor.
2. The portion of highway is adjacent to any land or facility that generates high concentrations of bicyclists or pedestrians, especially those from vulnerable groups such as children, seniors, persons with disabilities, and the unhoused.

CVC Section 22358.7(a)(1) – "Safety Corridor" Definition

Standard:

12n A safety corridor shall be defined as a roadway segment within an overall roadway network where the highest number of serious injury and fatality crashes occur.

12o One or more of the required crash weighting factors listed in the Table 2B-105(CA) shall be used to prioritize the locations of fatal and serious injury crashes in developing the "Safety Corridor".

Option:

12p Data used to determine a safety corridor may be from the most recent Engineering and Traffic Survey (E&TS) performed. The crash data source may include, but is not limited to, California Highway Patrol's (CHP) Statewide Integrated Traffic Records System (SWITRS).

Standard:

12q The prioritized subset of safety corridors shall:

1. Identify specific locations with high crash occurrences.
2. Identify corridor-level segments with a pattern of crash reoccurrence.
3. Be able to be stratified by mode.

12r Safety corridors shall represent a prioritized subset of the overall roadway network within an authority's responsibilities and shall not exceed one-fifth of the overall roadway network.

Guidance:

12s *A jurisdiction should use three to five years of the most recent crash data to determine a safety corridor based on Fatal and Serious Injury data.*

Option:

12t For crash coverage, safety corridors may identify the subset of the overall roadway network where a minimum of 25% of the Fatal + Serious Injury (F+SI) crashes occur.

12u To identify logical termini, the geographic extent of a safety corridor may be determined by non-engineering staff.

Standard:

12v A licensed professional engineer shall sign off on logical termini identified for a safety corridor using existing E&TS.

Option:

12w Crash/Volume rate may be used to provide additional locations to be included in the safety corridor. Local agencies may use proactive measures as indicators.

CVC Section 22358.7(a)(2) – "Land or facility that generates high concentrations of bicyclists or pedestrians" definition

Standard:

12x Except for the Option in first paragraph below, a land or facility that generates high concentrations of bicyclists or pedestrians shall be defined as the portion of the highway where one or more of any of the generators listed in Table 2B-106(CA) are present within a distance of 1320 feet.

Option:

12y Crash data that demonstrates a highway segment is within the top twenty percent of pedestrian and/or bicyclist fatalities or serious injuries over a three-to-five-year period may be used in lieu of one of the generators listed in Table 2B-106(CA).

Standard:

12z A highway segment shall be defined as the portion of the highway where a location that meets the aforementioned criteria is present within a distance of 1320 feet.

Option:

12aa A highway segment may be longer than 1320 feet provided that a minimum of one location within the top twenty percent of fatal and serious injury pedestrian and/or bicyclist crashes within a three-to-five-year period is present for every 1320 feet.

Standard:

12ab The top twenty percent of pedestrian and/or bicyclist fatalities or serious injury crashes within a three to five year period shall be based on the geographic area within the jurisdiction of the Engineer performing the E&TS.

Option:

12ac A high concentration of pedestrians and bicyclists may be longer than 1320 feet provided that a minimum of one generator is present for every 1320 feet.

12ad Data used to determine high concentration locations may be obtained from the most recently performed Engineering and Traffic Survey (E&TS).

Standard:

12ae The provisions of CVC Section 22358.7 to additionally lower the speed limit (by designating safety corridor or on portion of highway is adjacent to any land or facility that generates high concentrations of bicyclists or pedestrians), shall not be applicable until actions required per CVC Section 22358.7 by Department of Transportation and Judicial Council are completed or June 30, 2024, whichever is sooner.

CVC Section 22358.8 (Retain currently adopted or restore immediately prior speed limit)

Option:

12af Local agency may retain the currently adopted speed limit without further reduction or restore the immediately prior adopted speed limit without further reduction as provided in CVC Section 22358.8.

Standard:

12ag Currently adopted speed limit or immediately prior adopted speed limit shall only be retained, by ordinance, if after completing an E&TS, local agency finds that the speed limit is still more than reasonable or safe, and that speed limit was established with an E&TS and if a registered engineer has evaluated the section of highway and determined that no additional general purpose lanes have been added to the roadway since completion of the traffic survey that established the prior speed limit.

12ah If local agency decides to use lower speed limit based on CVC Section 22358.8, after completing an E&TS and finding that the speed limit is still more than is reasonable or safe, it shall not be reduced by any more than 5 mph from the currently adopted speed limit nor below the immediately prior speed limit. Refer to CVC Section 22358.8(b).

CVC Section 22358.9 – Business Activity District

Option:

12ai A local authority may, by ordinance, determine and declare a 25 or 20 mph prima facie speed limit on a highway contiguous to a business activity district when posted with a sign that indicates a speed limit of 25 or 20 mph if the highway segment meets all of the following conditions:

1. A maximum of four traffic lanes.
2. A maximum posted 30 mph prima facie speed limit immediately prior to and after the business activity district, if establishing a 25 mph speed limit.
3. A maximum posted 25 mph prima facie speed limit immediately prior to and after the business activity district, if establishing a 20 mph speed limit.

12aj A "business activity district" is that portion of a highway and the property contiguous thereto that includes central or neighborhood downtowns, urban villages, or zoning designations that prioritize commercial land uses at the downtown or neighborhood scale and meets a least three of the following four requirements:

4. No less than 50 percent of the contiguous property fronting the highway consists of retail or dining commercial uses, including outdoor dining, that open directly onto sidewalks adjacent to the highway.
5. Parking, including parallel, diagonal, or perpendicular spaces located alongside the highway.

6. Traffic control signals or stop signs regulating traffic flow on the highway, located at intervals of no more than 600 feet.
7. Marked crosswalks not controlled by a traffic control device.

Standard:

12ak A local authority shall not declare a prima facie speed limit on a portion of a highway where the local authority has already lowered the speed limit as permitted for designated safety corridors (CV Section 22358.7) or using the land or facility adjacent to high concentration of pedestrians and bicyclists (CVC Section 22358.7) or retained the currently adopted speed limit (CVC Section 22358.8) or have restored the immediately prior adopted speed limit (CVC Section 22358.8). Refer to CVC Section 22358.9(c).

13 *Speed studies for signalized intersection approaches should be taken outside the influence area of the traffic control signal, which is generally considered to be approximately 1/2 mile, to avoid obtaining skewed results for the 85th-percentile speed.*

Support:

14 Advance warning signs and other traffic control devices to attract the motorist's attention to a signalized intersection are usually more effective than a reduced speed limit zone.

Guidance:

15 *An advisory speed plaque (see Section 2C.08) mounted below a warning sign should be used to warn road users of an advisory speed for a roadway condition. A Speed Limit sign should not be used for this situation.*

Option:

16 Other factors that may be considered when establishing or reevaluating speed limits are the following:

A. Road characteristics, shoulder condition, grade, alignment, and sight distance;
B. The pace;
C. Roadside development and environment;
D. Parking practices and pedestrian activity; and
E. Reported crash experience for at least a 12-month period.

17 Two types of Speed Limit signs may be used: one to designate passenger car speeds, including any nighttime information or minimum speed limit that might apply; and the other to show any special speed limits for trucks and other vehicles.

18 A changeable message sign that changes the speed limit for traffic and ambient conditions may be installed provided that the appropriate speed limit is displayed at the proper times.

19 A changeable message sign that displays to approaching drivers the speed at which they are traveling may be installed in conjunction with a Speed Limit sign.

Guidance:

20 *If a changeable message sign displaying approach speeds is installed, the legend YOUR SPEED XX MPH or such similar legend should be displayed. The color of the changeable message legend should be a yellow legend on a black background or the reverse of these colors.*

Support:

21 Advisory Speed signs and plaques are discussed in Sections 2C.08 and 2C.14. Temporary Traffic Control Zone Speed signs are discussed in Part 6. The WORK ZONE (G20-5aP) plaque intended for installation above a Speed Limit sign is discussed in Section 6F.12. School Speed Limit signs are discussed in Section 7B.15.

22 Speed limits in California are governed by the California Vehicle Code (CVC), Sections 22348 through 22413; also, pertinent sections are found in Sections 627 and 40802 and others referenced in this section. See Section 1A.11 for information regarding this publication.

23 Refer to Part 6, Section 6C.01 for speed limit signs in temporary traffic control zones. Refer to Part 7 for speed limit signs in school areas.

Engineering and Traffic Survey (E&TS)

Support:

24 CVC Section 627 defines the term "Engineering and traffic survey" and lists its requirements.

Standard:

25 An engineering and traffic survey (E&TS) shall include, among other requirements deemed necessary by Caltrans, consideration of all of the following:

A. Prevailing speeds as determined by traffic engineering measurements.
B. Collision records.
C. Highway, traffic, and roadside conditions not readily apparent to the driver.

Guidance:

26 *The E&TS should contain sufficient information to document that the required three items of CVC Section 627 are provided and that other conditions not readily apparent to a driver are properly identified.*

27 *Prevailing speeds are determined by a speed zone survey. A speed zone survey should include:*

A. The intent of the speed measurements is to determine the actual speed of unimpeded traffic. The speed of traffic should not be altered by concentrated law enforcement, or other means, just prior to, or while taking the speed measurements.
B. Only one person is required for the field work. Speeds should be read directly from a radar or other electronic speed measuring devices; or,
C. Devices, other than radar, capable of accurately distinguishing and measuring the unimpeded speed of free flowing vehicles may be used.
D. A location should be selected where prevailing speeds are representative of the entire speed zone section. If speeds vary on a given route, more than one speed zone section may be required, with separate measurements for each section. Locations for measurements should be chosen so as to minimize the effects of traffic signals or stop signs.
E. Speed measurements should be taken during off-peak hours between peak traffic periods on weekdays. If there is difficulty in obtaining the desired quantity, speed measurements may be taken during any period with free flowing traffic.
F. The weather should be fair (dry pavement) with no unusual conditions prevailing.
G. The surveyor and equipment should not affect the traffic speeds. For this reason, an unmarked car is recommended, and the radar speed meter located as inconspicuously as possible.
H. In order for the sample to be representative of the actual traffic flow, the minimum sample should be 100 vehicles in each survey. In no case should the sample contain less than 50 vehicles.
I. Short speed zones of less than 0.5 miles should be avoided, except in transition areas.
J. Speed zone changes should be coordinated with changes in roadway conditions or roadside development.
K. Speed zoning should be in 10 mph increments except in urban areas where 5 mph increments are preferable.
L. Speed zoning should be coordinated with adjacent jurisdictions.

Support:

28 Physical conditions such as width, curvature, grade and surface conditions, or any other condition readily apparent to the driver, in the absence of other factors, would not require special downward speed zoning. Refer to CVC 22358.5.

Option:

29 When qualifying an appropriate speed limit, local authorities may also consider all of the following findings:

A. Residential density, if any of the following conditions exist on the particular portion of highway and the property contiguous thereto, other than a business district:
    1. Upon one side of the highway, within 0.25 miles, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures.
    2. Upon both sides of the highway, collectively, within a distance of 0.25 miles the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures.
    3. The portion of highway is larger than 0.25 miles but has the ratio of separate dwelling houses or business structures to the length of the highway described in either subparagraph 1 or 2 above.
B. Safety of bicyclists and pedestrians, with increased consideration for vulnerable pedestrian groups including children, seniors, persons with disabilities, users of personal assistive mobility devices, and the unhoused.

30 The following two methods of conducting E&TS may be used to establish speed limits:

1. State Highways - The E&TS for State highways is made under the direction of the Caltrans District Traffic Engineer. The data includes:
    a. One copy of the Example of Speed Zone Survey Sheet (See Figure 2B-101(CA)) showing:
        - A north arrow
        - Engineer's station or post mileage
        - Limits of the proposed zones

- Appropriate notations showing type of roadside development, such as "scattered business," "solid residential," etc. Schools adjacent to the highway are shown, but other buildings need not be plotted unless they are a factor in the speed recommendation or the point of termination of a speed zone.
- Collision rates for the zones involved
- Average daily traffic volume
- Location of traffic signals, signs and markings
- If the highway is divided, the limits of zones for each direction of travel
- Plotted 85th percentile and pace speeds at location taken showing speed profile

b. A report to the District Director that includes:

- The reason for the initiation of speed zone survey.
- Recommendations and supporting reasons.
- The enforcement jurisdictions involved and the recommendations and opinions of those officials.
- The stationing or reference post in mileage at the beginning and ending of each proposed zone and any intermediate equations. Location ties must be given to readily identifiable physical features.

2. City and County Through Highways, Arterials, Collector Roads and Local Streets.

a. The short method of speed zoning is based on the premise that a reasonable speed limit is one that conforms to the actual behavior of the majority of motorists, and that by measuring motorists' speeds, one will be able to select a speed limit that is both reasonable and effective. Other factors that need to be considered include but are not limited to: the most recent two-year collision record, roadway design speed, safe stopping sight distance, superelevation, shoulder conditions, profile conditions, intersection spacing and offsets, commercial driveway characteristics, and pedestrian traffic in the roadway without sidewalks.

b. Determination of Existing Speed Limits - Figures 2B-103(CA) & 2B-104(CA) show examples of data sheets which may be used to record speed observations. Specific types of vehicles may be tallied by use of letter symbols in appropriate squares.

31 In most situations, the short form for local streets and roads will be adequate; however, the procedure used on State highways may be used at the option of the local agency.

32 Any agency may lower the speed limit below the prima facie speed limit after performing, and based on the results of an E&TS.

Guidance:

33 *The establishment of a speed limit of more than 5 mph below the 85th percentile speed should be done with great care as studies have shown that establishing a speed limit at less than the 85th percentile generally results in an increase in collision rates; in addition, this may make violators of a disproportionate number of the reasonable majority of drivers.*

Support:

34 Generally, the most decisive evidence of conditions not readily apparent to the driver surfaces in collision histories.

35 Speed limits are established at or near the 85th percentile speed, which is defined as that speed at or below which 85th percent of the traffic is moving. The 85th percentile speed is often referred to as the critical speed. Pace speed is defined as the 10 mph increment of speed containing the largest number of vehicles (See Figure 2B-102(CA)). The lower limit of the pace is plotted on the Speed Zone Survey Sheets as an aid in determining the proper zone limits. Speed limits higher than the 85th percentile are not generally considered reasonable and prudent. Speed limits below the 85th percentile do not ordinarily facilitate the orderly movement of traffic and require constant enforcement to maintain compliance. Speed limits established on the basis of the 85th percentile conform to the consensus of those who drive highways as to what speed is reasonable and prudent, and are not dependent on the judgment of one or a few individuals.

36 The majority of drivers comply with the basic speed law. Speed limits set at or near the 85th percentile speed provide law enforcement officers with a limit to cite drivers who will not conform to what the majority considers reasonable and prudent. Further studies show that establishing a speed limit at less than the 85th percentile (Critical Speed) generally results in an increase in collision rates.

Option:

37 When roadside development results in traffic conflicts and unusual conditions which are not readily apparent to drivers, as indicated in collision records, speed limits somewhat below the 85th percentile may be justified. Concurrence and support of enforcement officials are necessary for the successful operation of a restricted speed zone.

Guidance:

38 *Speed zones of less than 0.5 miles and short transition zones should be avoided.*

Signs

Standard:

39 The Speed Limit (R2-1) sign shall be used to give notice of a prima facie or maximum speed limit except as provided under Prima Facie Speed Limits in CVC 22352.

40 When used, the TRUCKS, 3 AXLES OR MORE 55 MAXIMUM (R6-3(CA)) sign shall be installed approximately 750 feet following each R2-1 sign.

41 The ALL VEHICLES WHEN TOWING 55 MAXIMUM (R6-4(CA)) sign shall be installed approximately 750 feet following the R6-3(CA) sign.

Guidance:

42 *The R6-3(CA) and R6-4(CA) signs should be placed on highway segments where speeds in excess of 55 mph are permitted.*

Option:

43 The existing AUTOS WITH TRAILERS, TRUCKS 55 MAXIMUM (R6-1(CA)) sign may remain in place until it is knocked down, damaged, stolen, vandalized, or otherwise reaches the end of its useful life.

44 The local California Highway Patrol office may be consulted to identify highway segments where enforcement is an issue. On these segments early replacement of existing R6-1(CA) signs may be necessary.

Support:

45 Refer to CVC Section 22406 for types of vehicles subject to the 55 mph maximum speed limit.

Option:

46 The Speed Zone Ahead (R2-4(CA)) sign (see Figure 2B-3(CA)) may be used to inform the motorist of a reduced speed zone.

Standard:

47 The R2-4(CA) sign shall always be followed by a Speed Limit (R2-1) sign installed at the beginning of the zone where the reduced speed limit applies.

48 The End Speed Limit (R3(CA)) sign shall only be used to mark the end of a speed zone.

49 The R3(CA) sign shall not be used at a transition into a change in speed limits within a reduced zone.

Option:

50 The R3(CA) sign (see Figure 2B-3(CA)) may be used with the TRUCK (M4-4) plaque to mark the end of truck speed zones on descending grades.

Standard:

51 Speed limit signs shall be placed at the beginning of all restricted speed zones.

Option:

52 Where speed zones are longer than 1 mile, intermediate signs may be placed at approximate 1 mile intervals. For three or more lanes in each direction, dual installation may be used.

Standard:

53 The Speed Limit (R2-1) and End Speed Limit (R3(CA)) signs, as appropriate shall be placed at the end of all restricted speed zones.

54 Freeways with 65 mph and those segments where a speed limit of 70 mph has been approved by Caltrans, with approval by the California Highway Patrol, shall be posted as follows:

- At the segment entrance, R2-1 signs shall be installed right of traffic off of the right shoulder.
- R2-1 signs shall also be installed off of the right shoulder only, throughout the segment, at a maximum of 25 mile intervals.

Appendix B
Speed Survey Statistical Summary Sheets

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	1	51		X	1	
50	0	2	50		X X	2	
49	1	1	49	X	X	2	
48	0	2	48		X X	2	
47	2	2	47	X X	X X	4	*
46	3	3	46	X X X	X X X	6	*
45	5	4	45	X X X X X	X X X X	9	*
44	3	1	44	X X X	X	4	
43	3	10	43	X X X	X X X X X X X X X X	13	
42	3	5	42	X X X	X X X X X	8	
41	2	5	41	X X	X X X X X	7	
40	6	2	40	X X X X X X	X X	8	*
39	5	9	39	X X X X X	X X X X X X X X X	14	*
38	9	1	38	X X X X X X X X X	X	10	*
37	2	2	37	X X	X X	4	
36	5	0	36	X X X X X		5	
35	1	0	35	X		1	
34	0	0	34			0	
33	0	0	33			0	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Alabama Street

Between: Barton Road - Park Avenue

Weather: Clear

Date: 9/26/24

Time From: 10:00

Time To: 10:20

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	12%	8%	7%
% In Pace:	86%	86%	83%
% Under Pace:	2%	6%	10%
Average Speed:	41 MPH	43 MPH	42 MPH
Pace Speed:	36 - 45 MPH	39 - 48 MPH	38 - 47 MPH
15th Percentile / Critical Speed:	37 MPH	39 MPH	38 MPH
50th Percentile / Critical Speed:	40 MPH	43 MPH	42 MPH
85th Percentile / Critical Speed:	45 MPH	47 MPH	46 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Northbound / Southbound		
75	0	0	75		0	
74	0	0	74		0	
73	0	0	73		0	
72	0	0	72		0	
71	0	0	71		0	
70	0	0	70		0	
69	0	0	69		0	
68	0	0	68		0	
67	0	0	67		0	
66	0	0	66		0	
65	2	0	65	X X	2	
64	2	0	64	X X	2	
63	0	1	63	X	1	
62	1	1	62	X X	2	
61	0	2	61	X X	2	
60	1	1	60	X X	2	
59	0	5	59	X X X X X	5	
58	1	2	58	X X X	3	
57	6	3	57	X X X X X X X X X	9	*
56	2	5	56	X X X X X X X	7	*
55	5	4	55	X X X X X X X X X	9	*
54	3	3	54	X X X X X X	6	
53	2	3	53	X X X X X	5	
52	4	5	52	X X X X X X X X X	9	
51	3	3	51	X X X X X X	6	
50	5	3	50	X X X X X X X X	8	*
49	4	0	49	X X X X	4	*
48	4	2	48	X X X X X X	6	*
47	0	0	47		0	
46	2	3	46	X X X X X	5	
45	3	3	45	X X X X X	6	
44	0	1	44	X	1	
43	0	0	43		0	
42	0	0	42		0	
41	0	0	41		0	
40	0	0	40		0	
39	0	0	39		0	
38	0	0	38		0	
37	0	0	37		0	
36	0	0	36		0	
35	0	0	35		0	
34	0	0	34		0	
33	0	0	33		0	
32	0	0	32		0	
31	0	0	31		0	
30	0	0	30		0	
29	0	0	29		0	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
Total	50	50		GRAND TOTALS	100	

Location: Alabama Street

Between: City Limit Line South of Santa Ana River - City Limit Line North of Santa Ana River

Weather: Clear

Date: 10/1/24

Time From: 9:20

Time To: 9:40

Existing Speed Limit: 55 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	10%	19%
% In Pace:	76%	72%	69%
% Under Pace:	10%	18%	12%
Average Speed:	53 MPH	54 MPH	53 MPH
Pace Speed:	48 - 57 MPH	50 - 59 MPH	48 - 57 MPH
15th Percentile / Critical Speed:	48 MPH	48 MPH	48 MPH
50th Percentile / Critical Speed:	52 MPH	54 MPH	54 MPH
85th Percentile / Critical Speed:	57 MPH	59 MPH	59 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	2	48		X X	2	
47	1	1	47	X	X	2	
46	2	2	46	X X	X X	4	
45	1	3	45	X	X X X	4	
44	5	4	44	X X X X X	X X X X	9	*
43	4	1	43	X X X X	X	5	*
42	4	3	42	X X X X	X X X	7	*
41	1	6	41	X	X X X X X X	7	
40	3	6	40	X X X	X X X X X X	9	
39	2	6	39	X X	X X X X X X	8	
38	9	4	38	X X X X X X X X X	X X X X	13	
37	4	5	37	X X X X	X X X X X	9	*
36	2	4	36	X X	X X X X	6	*
35	3	3	35	X X X	X X X	6	*
34	5	0	34	X X X X X		5	
33	4	0	33	X X X X		4	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Alabama Street

Between: Park Avenue - Lugonia Avenue

Weather: Clear

Date: 9/26/24

Time From: 9:40

Time To: 10:00

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	10%	12%
% In Pace:	74%	84%	79%
% Under Pace:	18%	6%	9%
Average Speed:	39 MPH	40 MPH	40 MPH
Pace Speed:	35 - 44 MPH	36 - 45 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	34 MPH	37 MPH	35 MPH
50th Percentile / Critical Speed:	38 MPH	40 MPH	39 MPH
85th Percentile / Critical Speed:	44 MPH	45 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	1	42		X	1	
41	1	1	41	X	X	2	
40	0	1	40		X	1	
39	1	2	39	X	X X	3	
38	2	2	38	X X	X X	4	
37	0	2	37		X X	2	
36	1	4	36	X	X X X X	5	*
35	4	7	35	X X X X	X X X X X X X	11	*
34	4	7	34	X X X X	X X X X X X X	11	*
33	6	4	33	X X X X X X	X X X X	10	P
32	6	3	32	X X X X X X	X X X	9	A
31	4	6	31	X X X X	X X X X X X	10	C
30	5	2	30	X X X X X	X X	7	E
29	4	1	29	X X X X	X	5	*
28	2	2	28	X X	X X	4	*
27	3	2	27	X X X	X X	5	*
26	4	1	26	X X X X	X	5	
25	1	1	25	X	X	2	
24	1	1	24	X	X	2	
23	0	0	23			0	
22	0	0	22			0	
21	1	0	21	X		1	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Alessandro Road

Between: Creekside Drive - San Timoteo Canyon Road

Weather: Clear

Date: 9/26/24

Time From: 2:05

Time To: 2:35

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	6%	13%
% In Pace:	84%	78%	77%
% Under Pace:	6%	16%	10%
Average Speed:	31 MPH	33 MPH	32 MPH
Pace Speed:	26 - 35 MPH	30 - 39 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	27 MPH	29 MPH	27 MPH
50th Percentile / Critical Speed:	31 MPH	34 MPH	32 MPH
85th Percentile / Critical Speed:	35 MPH	37 MPH	36 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	1	1	49	X	X	2	
48	1	1	48	X	X	2	
47	2	2	47	X X	X X	4	
46	2	1	46	X X	X	3	
45	2	0	45	X X		2	
44	3	5	44	X X X	X X X X X	8	*
43	3	3	43	X X X	X X X	6	*
42	7	3	42	X X X X X X X	X X X	10	*
41	7	1	41	X X X X X X X	X	8	*
40	3	2	40	X X X	X X	5	*
39	11	6	39	X X X X X X X X X X X	X X X X X X	17	*
38	3	6	38	X X X	X X X X X X	9	*
37	1	5	37	X	X X X X X	6	*
36	1	6	36	X	X X X X X X	7	*
35	1	2	35	X	X X	3	*
34	0	2	34		X X	2	
33	2	1	33	X X	X	3	
32	0	1	32		X	1	
31	0	0	31			0	
30	0	0	30			0	
29	0	2	29		X X	2	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Alessandro Road

Between: Crescent Avenue - Sunset Drive

Weather: Clear

Date: 9/26/24

Time From: 1:45

Time To: 2:05

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	4%	10%	13%
% In Pace:	86%	78%	79%
% Under Pace:	10%	12%	8%
Average Speed:	41 MPH	39 MPH	40 MPH
Pace Speed:	38 - 47 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	38 MPH	35 MPH	36 MPH
50th Percentile / Critical Speed:	41 MPH	38 MPH	39 MPH
85th Percentile / Critical Speed:	45 MPH	44 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	1	0	49	X		1	
48	0	1	48		X	1	
47	0	1	47		X	1	
46	0	2	46		X X	2	
45	2	2	45	X X	X X	4	*
44	4	3	44	X X X X	X X X	7	*
43	4	2	43	X X X X	X X	6	*
42	6	5	42	X X X X X X	X X X X X	11	*
41	3	2	41	X X X	X X	5	*
40	4	7	40	X X X X	X X X X X X X	11	*
39	3	4	39	X X X	X X X X	7	*
38	7	2	38	X X X X X X X	X X	9	*
37	5	7	37	X X X X X	X X X X X X X	12	*
36	5	2	36	X X X X X	X X	7	*
35	2	2	35	X X	X X	4	
34	2	4	34	X X	X X X X	6	
33	1	0	33	X		1	
32	0	3	32		X X X	3	
31	1	1	31	X	X	2	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Alessandro Road

Between: Sunset Drive - Creekside Drive

Weather: Clear

Date: 9/26/24

Time From: 2:35

Time To: 3:10

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	2%	18%	5%
% In Pace:	86%	74%	79%
% Under Pace:	12%	8%	16%
Average Speed:	39 MPH	39 MPH	39 MPH
Pace Speed:	36 - 45 MPH	34 - 43 MPH	36 - 45 MPH
15th Percentile / Critical Speed:	36 MPH	34 MPH	35 MPH
50th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH
85th Percentile / Critical Speed:	43 MPH	44 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	2	46		X X	2	
45	1	3	45	X	X X X	4	
44	0	4	44		X X X X	4	
43	1	3	43	X	X X X	4	
42	4	4	42	X X X X	X X X X	8	*
41	3	2	41	X X X	X X	5	*
40	5	2	40	X X X X X	X X	7	*
39	1	7	39	X	X X X X X X X	8	
38	4	3	38	X X X X	X X X	7	
37	3	5	37	X X X	X X X X X	8	
36	5	5	36	X X X X X	X X X X X	10	
35	4	2	35	X X X X	X X	6	*
34	5	3	34	X X X X X	X X X	8	*
33	3	3	33	X X X	X X X	6	*
32	3	0	32	X X X		3	
31	3	0	31	X X X		3	
30	1	2	30	X	X X	3	
29	2	0	29	X X		2	
28	2	0	28	X X		2	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Alta Vista Drive

Between: Florida Street - Sunset Drive

Weather: Clear

Date: 10/1/24

Time From: 1:10

Time To: 1:45

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	4%	4%	14%
% In Pace:	74%	76%	73%
% Under Pace:	22%	20%	13%
Average Speed:	36 MPH	39 MPH	37 MPH
Pace Speed:	33 - 42 MPH	36 - 45 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	31 MPH	34 MPH	33 MPH
50th Percentile / Critical Speed:	36 MPH	39 MPH	37 MPH
85th Percentile / Critical Speed:	41 MPH	44 MPH	42 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	0	56		0	
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	1	52	X	1	
51	0	1	51	X	1	
50	0	1	50	X	1	
49	1	1	49	X X	2	
48	1	3	48	X X X X	4	
47	2	0	47	X X	2	
46	2	1	46	X X X	3	
45	2	3	45	X X X X X	5	*
44	0	3	44	X X X	3	*
43	5	2	43	X X X X X X X	7	*
42	4	3	42	X X X X X X X	7	P
41	7	9	41	X X X X X X X X X X X X X X X X	16	A
40	6	6	40	X X X X X X X X X X X X	12	C
39	9	4	39	X X X X X X X X X X X X X	13	E
38	4	4	38	X X X X X X X X	8	*
37	2	4	37	X X X X X X	6	*
36	4	1	36	X X X X X	5	*
35	1	2	35	X X X	3	
34	0	1	34	X	1	
33	0	0	33		0	
32	0	0	32		0	
31	0	0	31		0	
30	0	0	30		0	
29	0	0	29		0	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Barton Road

Between: Alabama Street - Lakeside Avenue

Weather: Clear

Date: 9/26/24

Time From: 11:10

Time To: 11:30

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	12%	14%	14%
% In Pace:	86%	78%	82%
% Under Pace:	2%	8%	4%
Average Speed:	41 MPH	42 MPH	41 MPH
Pace Speed:	36 - 45 MPH	37 - 46 MPH	36 - 45 MPH
15th Percentile / Critical Speed:	38 MPH	37 MPH	37 MPH
50th Percentile / Critical Speed:	40 MPH	41 MPH	41 MPH
85th Percentile / Critical Speed:	45 MPH	46 MPH	45 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.
				Eastbound / Westbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	2	0	52	X X	2
51	3	0	51	X X X	3
50	1	1	50	X X	2
49	1	1	49	X X	2
48	1	2	48	X X X	3
47	1	2	47	X X X	3
46	1	1	46	X X	2
45	1	2	45	X X X	3
44	1	2	44	X X X	3
43	4	0	43	X X X X	4
42	3	1	42	X X X X	4
41	6	7	41	X X X X X X X X X X X X X	13
40	8	4	40	X X X X X X X X X X X X	12
39	8	2	39	X X X X X X X X X X	10
38	3	9	38	X X X X X X X X X X X X	12
37	3	4	37	X X X X X X X	7
36	1	5	36	X X X X X X	6
35	1	3	35	X X X X	4
34	1	2	34	X X X	3
33	0	1	33	X	1
32	0	1	32	X	1
31	0	0	31		0
30	0	0	30		0
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * *

Location: Barton Road

Between: Terracina Boulevard - Alabama Street

Weather: Clear

Date: 9/26/24

Time From: 10:45

Time To: 11:10

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	18%	22%	20%
% In Pace:	76%	76%	75%
% Under Pace:	6%	2%	5%
Average Speed:	42 MPH	40 MPH	41 MPH
Pace Speed:	37 - 46 MPH	33 - 42 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	38 MPH	36 MPH	36 MPH
50th Percentile / Critical Speed:	40 MPH	38 MPH	40 MPH
85th Percentile / Critical Speed:	48 MPH	45 MPH	46 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	0	56		0	
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	1	52	X	1	
51	2	2	51	X X / X X	4	
50	1	0	50	X	1	
49	2	0	49	X X	2	
48	0	2	48	X X	2	
47	2	3	47	X X / X X X	5	*
46	3	5	46	X X X / X X X X X	8	*
45	2	3	45	X X / X X X	5	*
44	3	2	44	X X X / X X	5	
43	6	7	43	X X X X X X / X X X X X X X	13	
42	9	5	42	X X X X X X X X X / X X X X X	14	
41	4	7	41	X X X X / X X X X X X X	11	
40	6	4	40	X X X X X X / X X X X	10	*
39	5	3	39	X X X X X / X X X	8	*
38	1	4	38	X / X X X X	5	*
37	3	1	37	X X X / X	4	
36	0	0	36		0	
35	1	1	35	X / X	2	
34	0	0	34		0	
33	0	0	33		0	
32	0	0	32		0	
31	0	0	31		0	
30	0	0	30		0	
29	0	0	29		0	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Barton Road

Between: West City Limit - Terracina Boulevard

Weather: Clear

Date: 9/26/24

Time From: 10:20

Time To: 10:45

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	10%	10%
% In Pace:	84%	86%	84%
% Under Pace:	2%	4%	6%
Average Speed:	42 MPH	43 MPH	43 MPH
Pace Speed:	37 - 46 MPH	38 - 47 MPH	38 - 47 MPH
15th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH
50th Percentile / Critical Speed:	42 MPH	42 MPH	42 MPH
85th Percentile / Critical Speed:	46 MPH	47 MPH	46 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed		TOT. VEH.	PACE
				Eastbound	Westbound		
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	1	42		X	1	
41	0	0	41			0	
40	0	0	40			0	
39	1	2	39	X	X X	3	
38	1	1	38	X	X	2	
37	4	0	37	X X X X		4	
36	2	1	36	X X	X	3	*
35	5	6	35	X X X X X	X X X X X X	11	*
34	7	4	34	X X X X X X X	X X X X	11	*
33	5	6	33	X X X X X	X X X X X X	11	P
32	4	3	32	X X X X	X X X	7	A
31	6	10	31	X X X X X X	X X X X X X X X X X	16	C
30	5	2	30	X X X X X	X X	7	E
29	1	2	29	X	X X	3	*
28	1	8	28	X	X X X X X X X X	9	*
27	5	1	27	X X X X X	X	6	*
26	1	1	26	X	X	2	
25	1	0	25	X		1	
24	1	1	24	X	X	2	
23	0	0	23			0	
22	0	1	22		X	1	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Brockton Avenue

Between: Church Street - Judson Street

Weather: Clear

Date: 9/24/24

Time From: 1:40

Time To: 2:05

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	12%	8%	10%
% In Pace:	82%	86%	84%
% Under Pace:	6%	6%	6%
Average Speed:	32 MPH	32 MPH	32 MPH
Pace Speed:	27 - 36 MPH	27 - 36 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	27 MPH	28 MPH	28 MPH
50th Percentile / Critical Speed:	32 MPH	31 MPH	32 MPH
85th Percentile / Critical Speed:	36 MPH	35 MPH	35 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	0	2	41		X X	2	
40	0	0	40			0	
39	1	1	39	X	X	2	
38	3	2	38	X X X	X X	5	
37	3	2	37	X X X	X X	5	
36	3	6	36	X X X	X X X X X X	9	*
35	0	4	35		X X X X	4	*
34	2	7	34	X X	X X X X X X X	9	*
33	4	6	33	X X X X	X X X X X X	10	
32	9	4	32	X X X X X X X X X	X X X X	13	
31	3	2	31	X X X	X X	5	
30	5	2	30	X X X X X	X X	7	
29	5	3	29	X X X X X	X X X	8	*
28	3	4	28	X X X	X X X X	7	*
27	4	2	27	X X X X	X X	6	*
26	3	1	26	X X X	X	4	
25	0	0	25			0	
24	0	1	24		X	1	
23	1	1	23	X	X	2	
22	1	0	22	X		1	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Brockton Avenue

Between: Judson Street - Wabash Avenue

Weather: Clear

Date: 9/25/24

Time From: 9:20

Time To: 10:25

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	10%	14%
% In Pace:	76%	80%	78%
% Under Pace:	10%	10%	8%
Average Speed:	31 MPH	33 MPH	32 MPH
Pace Speed:	27 - 36 MPH	28 - 37 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	27 MPH	28 MPH	28 MPH
50th Percentile / Critical Speed:	32 MPH	33 MPH	32 MPH
85th Percentile / Critical Speed:	36 MPH	36 MPH	36 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	1	44	X	1	
43	0	1	43	X	1	
42	0	1	42	X	1	
41	1	0	41	X	1	
40	1	0	40	X	1	
39	1	0	39	X	1	
38	0	2	38	X X	2	
37	3	2	37	X X X / X X	5	
36	1	2	36	X / X X	3	
35	4	7	35	X X X X / X X X X X X X	11	*
34	1	3	34	X / X X X	4	*
33	2	5	33	X X / X X X X X	7	*
32	6	1	32	X X X X X X / X	7	P
31	2	4	31	X X / X X X X	6	A
30	4	1	30	X X X X / X	5	C
29	0	1	29	X	1	E
28	3	2	28	X X X / X X	5	*
27	3	3	27	X X X / X X X	6	*
26	3	1	26	X X X / X	4	*
25	3	1	25	X X X / X	4	
24	3	2	24	X X X / X X	5	
23	3	2	23	X X X / X X	5	
22	3	5	22	X X X / X X X X X	8	
21	1	2	21	X / X X	3	
20	2	1	20	X X / X	3	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Brockton Avenue

Between: New York Street - Texas Street

Weather: Clear

Date: 9/24/24

Time From: 9:20

Time To: 10:45

Existing Speed Limit: 30 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	28%	14%	16%
% In Pace:	60%	58%	56%
% Under Pace:	12%	28%	28%
Average Speed:	29 MPH	31 MPH	30 MPH
Pace Speed:	23 - 32 MPH	27 - 36 MPH	26 - 35 MPH
15th Percentile / Critical Speed:	23 MPH	22 MPH	23 MPH
50th Percentile / Critical Speed:	30 MPH	31 MPH	31 MPH
85th Percentile / Critical Speed:	35 MPH	36 MPH	36 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	1	0	45	X	1	
44	0	0	44		0	
43	3	0	43	X X X	3	
42	1	0	42	X	1	
41	4	0	41	X X X X	4	
40	3	0	40	X X X	3	
39	3	1	39	X X X | X	4	
38	2	6	38	X X | X X X X X X	8	*
37	3	4	37	X X X | X X X X	7	*
36	1	6	36	X | X X X X X X	7	*
35	6	4	35	X X X X X X | X X X X	10	*
34	4	4	34	X X X X | X X X X	8	*
33	4	5	33	X X X X | X X X X X	9	*
32	3	5	32	X X X | X X X X X	8	*
31	1	4	31	X | X X X X	5	*
30	3	1	30	X X X | X	4	*
29	1	4	29	X | X X X X	5	*
28	2	3	28	X X | X X X	5	*
27	2	2	27	X X | X X	4	
26	2	1	26	X X | X	3	
25	0	0	25		0	
24	1	0	24	X	1	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Brockton Avenue

Between: Texas Street - Church Street

Weather: Clear

Date: 9/24/24

Time From: 10:45

Time To: 11:30

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	2%	16%
% In Pace:	66%	86%	71%
% Under Pace:	24%	12%	13%
Average Speed:	35 MPH	33 MPH	34 MPH
Pace Speed:	32 - 41 MPH	29 - 38 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	29 MPH	29 MPH	29 MPH
50th Percentile / Critical Speed:	35 MPH	33 MPH	34 MPH
85th Percentile / Critical Speed:	41 MPH	37 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	1	1	41	X	X	2	
40	0	0	40			0	
39	1	3	39	X	X X X	4	
38	1	2	38	X	X X	3	
37	5	2	37	X X X X X	X X	7	*
36	4	3	36	X X X X	X X X	7	*
35	3	7	35	X X X	X X X X X X X	10	*
34	0	2	34		X X	2	
33	8	5	33	X X X X X X X X	X X X X X	13	
32	7	7	32	X X X X X X X	X X X X X X X	14	
31	6	6	31	X X X X X X	X X X X X X	12	
30	3	3	30	X X X	X X X	6	*
29	2	6	29	X X	X X X X X X	8	*
28	6	0	28	X X X X X X		6	*
27	2	1	27	X X	X	3	
26	1	2	26	X	X X	3	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Brookside Avenue

Between: Center Street - Eureka Street

Weather: Clear

Date: 9/26/24

Time From: 12:10

Time To: 12:30

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	8%	9%
% In Pace:	88%	86%	85%
% Under Pace:	6%	6%	6%
Average Speed:	32 MPH	33 MPH	33 MPH
Pace Speed:	28 - 37 MPH	29 - 38 MPH	28 - 37 MPH
15th Percentile / Critical Speed:	28 MPH	29 MPH	29 MPH
50th Percentile / Critical Speed:	32 MPH	32 MPH	32 MPH
85th Percentile / Critical Speed:	37 MPH	37 MPH	37 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound / Westbound	TOT. VEH.
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	2	1	48	X X / X	3
47	1	0	47	X	1
46	0	2	46	X X	2
45	1	1	45	X / X	2
44	1	2	44	X / X X	3
43	2	4	43	X X / X X X	6
42	4	3	42	X X X X / X X X	7
41	0	4	41	X X X X	4
40	3	7	40	X X X / X X X X X X X	10
39	5	1	39	X X X X X / X	6
38	7	3	38	X X X X X X X / X X X	10
37	6	5	37	X X X X X X / X X X X X	11
36	6	7	36	X X X X X X / X X X X X X X	13
35	6	4	35	X X X X X X / X X X X	10
34	4	5	34	X X X X / X X X X X	9
33	1	1	33	X / X	2
32	0	0	32		0
31	0	0	31		0
30	1	0	30	X	1
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * * * * *

Location: Brookside Avenue

Between: Lakeside Avenue - Center Street

Weather: Clear

Date: 9/26/24

Time From: 11:50

Time To: 12:10

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	12%	11%
% In Pace:	86%	86%	86%
% Under Pace:	4%	2%	3%
Average Speed:	38 MPH	39 MPH	39 MPH
Pace Speed:	34 - 43 MPH	34 - 43 MPH	34 - 43 MPH
15th Percentile / Critical Speed:	35 MPH	35 MPH	35 MPH
50th Percentile / Critical Speed:	38 MPH	38 MPH	38 MPH
85th Percentile / Critical Speed:	42 MPH	43 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	1	0	45	X		1	
44	1	1	44	X	X	2	
43	0	0	43			0	
42	1	0	42	X		1	
41	1	0	41	X		1	
40	0	1	40		X	1	
39	1	2	39	X	X X	3	
38	1	2	38	X	X X	3	
37	5	0	37	X X X X X		5	*
36	6	3	36	X X X X X X	X X X	9	*
35	5	5	35	X X X X X	X X X X X	10	*
34	5	4	34	X X X X X	X X X X	9	P
33	3	4	33	X X X	X X X X	7	A
32	3	11	32	X X X	X X X X X X X X X X X	14	C
31	3	4	31	X X X	X X X X	7	E
30	7	4	30	X X X X X X X	X X X X	11	*
29	2	4	29	X X	X X X X	6	*
28	1	3	28	X	X X X	4	*
27	1	1	27	X	X	2	
26	0	0	26			0	
25	2	0	25	X X		2	
24	0	1	24		X	1	
23	1	0	23	X		1	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Cajon Street

Between: Fern Avenue - Garden Street

Weather: Clear

Date: 10/2/24

Time From: 11:10

Time To: 11:35

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	12%	12%
% In Pace:	80%	86%	82%
% Under Pace:	10%	2%	6%
Average Speed:	34 MPH	33 MPH	33 MPH
Pace Speed:	29 - 38 MPH	27 - 36 MPH	28 - 37 MPH
15th Percentile / Critical Speed:	30 MPH	29 MPH	29 MPH
50th Percentile / Critical Speed:	34 MPH	32 MPH	33 MPH
85th Percentile / Critical Speed:	37 MPH	36 MPH	37 MPH

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	1	0	41	X		1	
40	0	0	40			0	
39	1	0	39	X		1	
38	1	1	38	X	X	2	
37	1	2	37	X	X X	3	
36	4	2	36	X X X X	X X	6	*
35	2	1	35	X X	X	3	*
34	9	4	34	X X X X X X X X X	X X X X	13	*
33	4	5	33	X X X X	X X X X X	9	P
32	6	6	32	X X X X X X X	X X X X X X	12	A
31	6	9	31	X X X X X X	X X X X X X X X X	15	C
30	4	4	30	X X X X	X X X X	8	E
29	7	4	29	X X X X X X X	X X X X	11	*
28	2	4	28	X X	X X X X	6	*
27	1	5	27	X	X X X X X	6	*
26	0	1	26		X	1	
25	0	1	25		X	1	
24	1	1	24	X	X	2	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Cajon Street

Between: Vine Street - Fern Avenue

Weather: Clear

Date: 10/2/24

Time From: 11:35

Time To: 11:55

Existing Speed Limit: 30 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	6%	7%
% In Pace:	90%	88%	89%
% Under Pace:	4%	6%	4%
Average Speed:	32 MPH	31 MPH	32 MPH
Pace Speed:	28 - 37 MPH	27 - 36 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	29 MPH	27 MPH	28 MPH
50th Percentile / Critical Speed:	32 MPH	31 MPH	31 MPH
85th Percentile / Critical Speed:	36 MPH	34 MPH	35 MPH

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	1	47		X	1
46	1	0	46	X		1
45	1	1	45	X	X	2
44	1	3	44	X	X X X	4
43	4	2	43	X X X X	X X	6
42	0	1	42		X	1
41	1	0	41	X		1
40	2	2	40	X X	X X	4
39	3	3	39	X X X	X X X	6
38	3	1	38	X X X	X	4
37	7	7	37	X X X X X X X	X X X X X X X	14
36	7	3	36	X X X X X X X	X X X	10
35	3	7	35	X X X	X X X X X X X	10
34	5	7	34	X X X X X	X X X X X X X	12
33	4	5	33	X X X X	X X X X X	9
32	4	3	32	X X X X	X X X	7
31	3	3	31	X X X	X X X	6
30	1	0	30	X		1
29	0	0	29			0
28	0	1	28		X	1
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50			GRAND TOTALS	100

Location: California Street

Between: Almond Avenue - Redlands Boulevard

Weather: Clear

Date: 10/1/24

Time From: 10:10

Time To: 10:30

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	16%	16%	16%
% In Pace:	82%	82%	82%
% Under Pace:	2%	2%	2%
Average Speed:	37 MPH	36 MPH	36 MPH
Pace Speed:	31 - 40 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	32 MPH	33 MPH	32 MPH
50th Percentile / Critical Speed:	36 MPH	35 MPH	36 MPH
85th Percentile / Critical Speed:	41 MPH	42 MPH	41 MPH

PACE

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	1	0	50	X	1
49	2	1	49	X X / X	3
48	1	1	48	X / X	2
47	1	1	47	X / X	2
46	3	0	46	X X X	3
45	1	0	45	X	1
44	0	2	44	X X	2
43	0	2	43	X X	2
42	2	4	42	X X / X X X X	6
41	2	6	41	X X / X X X X X X	8
40	2	1	40	X X / X	3
39	0	2	39	X X	2
38	3	6	38	X X X / X X X X X X	9
37	0	7	37	X X X X X X X	7
36	2	2	36	X X / X X	4
35	4	3	35	X X X X / X X X	7
34	4	2	34	X X X X / X X	6
33	4	2	33	X X X X / X X	6
32	4	0	32	X X X X	4
31	2	3	31	X X / X X X	5
30	3	2	30	X X X / X X	5
29	2	0	29	X X	2
28	0	1	28	X	1
27	4	2	27	X X X X / X X	6
26	0	0	26		0
25	0	0	25		0
24	2	0	24	X X	2
23	1	0	23	X	1
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

Location: California Street

Between: Palmetto Avenue - Almond Avenue

Weather: Clear

Date: 10/1/24

Time From: 9:40

Time To: 10:10

Existing Speed Limit: 40 MPH

PACE *

	Northbound	Southbound	Combined Statistics
% Over Pace:	36%	6%	16%
% In Pace:	58%	70%	58%
% Under Pace:	6%	24%	26%
Average Speed:	36 MPH	38 MPH	37 MPH
Pace Speed:	27 - 36 MPH	35 - 44 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	29 MPH	31 MPH	30 MPH
50th Percentile / Critical Speed:	34 MPH	38 MPH	37 MPH
85th Percentile / Critical Speed:	46 MPH	42 MPH	43 MPH

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	1	0	43	X	1
42	2	0	42	X X	2
41	1	1	41	X / X	2
40	1	2	40	X / X X	3
39	1	2	39	X / X X	3
38	3	1	38	X X X / X	4
37	4	2	37	X X X X / X X	6
36	2	3	36	X X / X X X	5
35	4	4	35	X X X X / X X X X	8
34	6	3	34	X X X X X X / X X X	9
33	4	2	33	X X X X / X X	6
32	3	3	32	X X X / X X X	6
31	4	9	31	X X X X / X X X X X X X X	13
30	5	1	30	X X X X X / X	6
29	5	6	29	X X X X X / X X X X X X	11
28	0	3	28	/ X X X	3
27	1	4	27	X / X X X X	5
26	1	3	26	X / X X X	4
25	2	1	25	X X / X	3
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * *

Location: Center Street

Between: Brookside Avenue - Cypress Avenue

Weather: Clear

Date: 10/2/24

Time From: 10:25

Time To: 10:45

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	12%	16%	11%
% In Pace:	80%	76%	74%
% Under Pace:	8%	8%	15%
Average Speed:	34 MPH	32 MPH	33 MPH
Pace Speed:	29 - 38 MPH	27 - 36 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	29 MPH	27 MPH	28 MPH
50th Percentile / Critical Speed:	33 MPH	31 MPH	32 MPH
85th Percentile / Critical Speed:	38 MPH	37 MPH	37 MPH

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	2	45	X X	2
44	0	0	44		0
43	0	1	43	X	1
42	2	2	42	X X X X	4
41	1	1	41	X X	2
40	1	4	40	X X X X X	5
39	1	2	39	X X X	3
38	2	3	38	X X X X X	5
37	3	6	37	X X X X X X X X X	9
36	4	5	36	X X X X X X X X X	9
35	2	3	35	X X X X X	5
34	2	6	34	X X X X X X X X	8
33	7	1	33	X X X X X X X X	8
32	2	1	32	X X X	3
31	5	4	31	X X X X X X X X X	9
30	5	2	30	X X X X X X X	7
29	5	1	29	X X X X X X	6
28	4	1	28	X X X X X	5
27	1	0	27	X	1
26	0	1	26	X	1
25	2	0	25	X X X	2
24	1	1	24	X X	2
23	0	2	23	X X	2
22	0	1	22	X	1
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * * *

Location: Center Street

Between: Crescent Avenue - Ridge Street

Weather: Clear

Date: 9/24/24

Time From: 9:00

Time To: 12:30

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	12%	17%
% In Pace:	78%	70%	69%
% Under Pace:	8%	18%	14%
Average Speed:	33 MPH	35 MPH	34 MPH
Pace Speed:	28 - 37 MPH	31 - 40 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	28 MPH	30 MPH	29 MPH
50th Percentile / Critical Speed:	33 MPH	36 MPH	34 MPH
85th Percentile / Critical Speed:	37 MPH	40 MPH	39 MPH

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	1	45	X	1	
44	1	0	44	X	1	
43	0	1	43	X	1	
42	2	1	42	X X / X	3	
41	1	1	41	X / X	2	
40	1	1	40	X / X	2	
39	2	5	39	X X / X X X X X	7	*
38	4	4	38	X X X X / X X X X	8	*
37	5	4	37	X X X X X / X X X X	9	*
36	4	6	36	X X X X / X X X X X X	10	P
35	5	2	35	X X X X X / X X	7	A
34	8	6	34	X X X X X X X X / X X X X X X	14	C
33	3	2	33	X X X / X X	5	E
32	5	6	32	X X X X X / X X X X X X	11	*
31	2	4	31	X X / X X X X	6	*
30	3	1	30	X X X / X	4	*
29	2	2	29	X X / X X	4	
28	1	1	28	X / X	2	
27	1	1	27	X / X	2	
26	0	0	26		0	
25	0	0	25		0	
24	0	1	24	X	1	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Center Street

Between: Cypress Avenue - Crescent Avenue

Weather: Clear

Date: 10/2/24

Time From: 10:45

Time To: 11:10

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	8%	10%
% In Pace:	82%	80%	81%
% Under Pace:	8%	12%	9%
Average Speed:	35 MPH	35 MPH	35 MPH
Pace Speed:	30 - 39 MPH	31 - 40 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	31 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	34 MPH	35 MPH	35 MPH
85th Percentile / Critical Speed:	38 MPH	39 MPH	39 MPH

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	1	0	45	X	1	
44	0	0	44		0	
43	2	0	43	X X	2	
42	1	0	42	X	1	
41	3	0	41	X X X	3	
40	0	1	40	X	1	
39	1	2	39	X X X	3	*
38	4	2	38	X X X X X X	6	*
37	5	3	37	X X X X X X X X	8	*
36	4	7	36	X X X X X X X X X X X	11	PACE
35	11	1	35	X X X X X X X X X X X X	12	
34	5	11	34	X X X X X X X X X X X X X X X X	16	
33	2	6	33	X X X X X X X X	8	
32	6	7	32	X X X X X X X X X X X X X	13	*
31	2	2	31	X X X X	4	*
30	2	3	30	X X X X X	5	*
29	0	2	29	X X	2	
28	0	3	28	X X X	3	
27	1	0	27	X	1	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Center Street

Between: State Street - Brookside Avenue

Weather: Clear

Date: 10/2/24

Time From: 10:00

Time To: 10:25

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	10%	8%
% In Pace:	84%	90%	86%
% Under Pace:	2%	0%	6%
Average Speed:	36 MPH	34 MPH	35 MPH
Pace Speed:	30 - 39 MPH	28 - 37 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	32 MPH	30 MPH	31 MPH
50th Percentile / Critical Speed:	35 MPH	34 MPH	34 MPH
85th Percentile / Critical Speed:	39 MPH	37 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	0	44		0	
43	0	0	43		0	
42	0	0	42		0	
41	0	0	41		0	
40	0	0	40		0	
39	2	0	39	X X	2	
38	3	2	38	X X X / X X	5	
37	0	0	37		0	
36	1	2	36	X / X X	3	
35	4	3	35	X X X X / X X X	7	
34	2	3	34	X X / X X X	5	
33	5	4	33	X X X X X / X X X X	9	*
32	2	4	32	X X / X X X X	6	*
31	3	4	31	X X X / X X X X	7	*
30	1	8	30	X / X X X X X X X X	9	*
29	3	8	29	X X X / X X X X X X X X	11	*
28	3	4	28	X X X / X X X X	7	*
27	4	1	27	X X X X / X	5	*
26	2	0	26	X X	2	*
25	6	2	25	X X X X X X / X X	8	*
24	5	3	24	X X X X X / X X X	8	*
23	1	2	23	X / X X	3	
22	2	0	22	X X	2	
21	1	0	21	X	1	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Central Avenue

Between: University Street - Judson Street

Weather: Clear

Date: 10/3/24

Time From: 9:00

Time To: 9:25

Existing Speed Limit: 30 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	24%	4%	22%
% In Pace:	68%	82%	72%
% Under Pace:	8%	14%	6%
Average Speed:	30 MPH	30 MPH	30 MPH
Pace Speed:	24 - 33 MPH	27 - 36 MPH	24 - 33 MPH
15th Percentile / Critical Speed:	24 MPH	27 MPH	25 MPH
50th Percentile / Critical Speed:	29 MPH	30 MPH	30 MPH
85th Percentile / Critical Speed:	35 MPH	34 MPH	35 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	0	44		0	
43	0	0	43		0	
42	1	0	42	X	1	
41	2	0	41	X X	2	
40	2	1	40	X X / X	3	
39	1	1	39	X / X	2	
38	1	1	38	X / X	2	
37	2	3	37	X X / X X X	5	*
36	7	8	36	X X X X X X X / X X X X X X X X	15	*
35	3	8	35	X X X / X X X X X X X X	11	*
34	3	8	34	X X X / X X X X X X X X	11	*
33	3	4	33	X X X / X X X X	7	
32	3	3	32	X X X / X X X	6	
31	5	3	31	X X X X X / X X X	8	
30	7	2	30	X X X X X X X / X X	9	*
29	5	3	29	X X X X X / X X X	8	*
28	1	2	28	X / X X	3	*
27	2	0	27	X X	2	
26	1	0	26	X	1	
25	0	1	25	X	1	
24	0	1	24	X	1	
23	1	1	23	X / X	2	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Church Street

Between: Pioneer Avenue - Redlands Boulevard

Weather: Clear

Date: 10/3/24

Time From: 10:05

Time To: 10:25

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	12%	6%	10%
% In Pace:	78%	88%	83%
% Under Pace:	10%	6%	7%
Average Speed:	33 MPH	33 MPH	33 MPH
Pace Speed:	29 - 38 MPH	28 - 37 MPH	28 - 37 MPH
15th Percentile / Critical Speed:	29 MPH	29 MPH	29 MPH
50th Percentile / Critical Speed:	32 MPH	34 MPH	34 MPH
85th Percentile / Critical Speed:	37 MPH	36 MPH	36 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	0	45			0
44	0	0	44			0
43	0	0	43			0
42	0	0	42			0
41	0	0	41			0
40	1	1	40	X	X	2
39	0	1	39		X	1
38	0	0	38			0
37	0	2	37		X X	2
36	2	2	36	X X	X X	4
35	2	2	35	X X	X X	4
34	4	3	34	X X X X	X X X	7
33	5	6	33	X X X X X	X X X X X X	11
32	4	8	32	X X X X	X X X X X X X X	12
31	4	8	31	X X X X	X X X X X X X X	12
30	4	5	30	X X X X	X X X X X	9
29	9	3	29	X X X X X X X X X	X X X	12
28	3	2	28	X X X	X X	5
27	3	4	27	X X X	X X X X	7
26	3	3	26	X X X	X X X	6
25	2	0	25	X X		2
24	3	0	24	X X X		3
23	1	0	23	X		1
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
14	0	0	14			0
13	0	0	13			0
12	0	0	12			0
11	0	0	11			0
10	0	0	10			0
9	0	0	9			0
8	0	0	8			0
7	0	0	7			0
6	0	0	6			0
5	0	0	5			0
Total	50	50			GRAND TOTALS	100

PACE * * * * * *

Location: Citrus Avenue

Between: Eureka Street - Orange Street

Weather: Clear

Date: 10/1/24

Time From: 12:05

Time To: 12:25

Existing Speed Limit: 30 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	12%	9%
% In Pace:	82%	88%	85%
% Under Pace:	12%	0%	6%
Average Speed:	30 MPH	32 MPH	31 MPH
Pace Speed:	26 - 35 MPH	26 - 35 MPH	26 - 35 MPH
15th Percentile / Critical Speed:	26 MPH	28 MPH	27 MPH
50th Percentile / Critical Speed:	30 MPH	31 MPH	31 MPH
85th Percentile / Critical Speed:	34 MPH	35 MPH	34 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	0	0	41			0	
40	0	0	40			0	
39	1	0	39	X		1	
38	1	1	38	X	X	2	
37	1	3	37	X	X X X	4	
36	2	2	36	X X	X X	4	*
35	0	6	35		X X X X X X	6	*
34	4	3	34	X X X X	X X X	7	*
33	6	5	33	X X X X X X	X X X X X	11	*
32	6	6	32	X X X X X X	X X X X X X	12	*
31	1	4	31	X	X X X X	5	*
30	3	3	30	X X X	X X X	6	*
29	8	5	29	X X X X X X X X	X X X X X	13	*
28	9	4	28	X X X X X X X X X	X X X X	13	*
27	2	5	27	X X	X X X X X	7	*
26	3	1	26	X X X	X	4	
25	3	0	25	X X X		3	
24	0	1	24		X	1	
23	0	1	23		X	1	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Citrus Avenue

Between: Redlands Boulevard - University Street

Weather: Clear

Date: 10/1/24

Time From: 11:45

Time To: 12:05

Existing Speed Limit: 25 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	8%	7%
% In Pace:	90%	86%	84%
% Under Pace:	0%	6%	9%
Average Speed:	30 MPH	31 MPH	31 MPH
Pace Speed:	25 - 34 MPH	27 - 36 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	27 MPH	27 MPH	27 MPH
50th Percentile / Critical Speed:	29 MPH	32 MPH	31 MPH
85th Percentile / Critical Speed:	34 MPH	35 MPH	35 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	1	0	49	X		1	
48	2	0	48	X X		2	
47	0	0	47			0	
46	0	2	46		X X	2	
45	1	3	45	X	X X X	4	
44	2	1	44	X X	X	3	
43	1	5	43	X	X X X X X	6	*
42	4	8	42	X X X X	X X X X X X X X	12	*
41	2	5	41	X X	X X X X X	7	*
40	5	4	40	X X X X X	X X X X	9	P
39	1	5	39	X	X X X X X	6	A
38	4	3	38	X X X X	X X X	7	C
37	8	3	37	X X X X X X X X	X X X	11	E
36	6	2	36	X X X X X X	X X	8	*
35	6	0	35	X X X X X X		6	*
34	4	4	34	X X X X	X X X X	8	*
33	1	2	33	X	X X	3	
32	1	1	32	X	X	2	
31	0	2	31		X X	2	
30	0	0	30			0	
29	1	0	29	X		1	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Citrus Avenue

Between: University Street - Wabash Avenue

Weather: Clear

Date: 9/24/24

Time From: 3:20

Time To: 3:40

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	12%	0%	12%
% In Pace:	82%	78%	80%
% Under Pace:	6%	22%	8%
Average Speed:	38 MPH	40 MPH	39 MPH
Pace Speed:	34 - 43 MPH	37 - 46 MPH	34 - 43 MPH
15th Percentile / Critical Speed:	35 MPH	34 MPH	34 MPH
50th Percentile / Critical Speed:	37 MPH	40 MPH	39 MPH
85th Percentile / Critical Speed:	42 MPH	43 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	1	2	44	X / X X	3	
43	1	2	43	X / X X	3	
42	2	3	42	X X / X X X	5	
41	0	1	41	/ X	1	
40	1	4	40	X / X X X X	5	*
39	2	5	39	X X / X X X X X	7	*
38	2	6	38	X X / X X X X X X	8	*
37	5	2	37	X X X X X / X X	7	*
36	6	5	36	X X X X X X / X X X X X	11	*
35	4	5	35	X X X X / X X X X X	9	*
34	5	3	34	X X X X X / X X X	8	*
33	6	6	33	X X X X X X / X X X X X X	12	*
32	3	1	32	X X X / X	4	*
31	4	1	31	X X X X / X	5	*
30	1	3	30	X / X X X	4	
29	2	1	29	X X / X	3	
28	3	0	28	X X X	3	
27	2	0	27	X X	2	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Colton Avenue

Between: Church Street - Grove Street

Weather: Clear

Date: 10/2/24

Time From: 9:00

Time To: 9:20

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	18%	8%	12%
% In Pace:	78%	80%	76%
% Under Pace:	4%	12%	12%
Average Speed:	34 MPH	37 MPH	36 MPH
Pace Speed:	28 - 37 MPH	33 - 42 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	30 MPH	33 MPH	31 MPH
50th Percentile / Critical Speed:	34 MPH	36 MPH	35 MPH
85th Percentile / Critical Speed:	38 MPH	41 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	3	54		X X X	3	
53	1	0	53	X		1	
52	1	0	52	X		1	
51	2	2	51	X X	X X	4	
50	4	2	50	X X X X	X X	6	
49	2	4	49	X X	X X X X	6	
48	2	3	48	X X	X X X	5	
47	0	0	47			0	
46	1	4	46	X	X X X X	5	*
45	5	3	45	X X X X X	X X X	8	*
44	4	1	44	X X X X	X	5	*
43	5	4	43	X X X X X	X X X X	9	*
42	4	2	42	X X X X	X X	6	*
41	5	7	41	X X X X X	X X X X X X X	12	*
40	4	4	40	X X X X	X X X X	8	*
39	2	4	39	X X	X X X X	6	*
38	2	3	38	X X	X X X	5	*
37	1	2	37	X	X X	3	*
36	2	0	36	X X		2	
35	1	1	35	X	X	2	
34	2	1	34	X X	X	3	
33	0	0	33			0	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Colton Avenue

Between: Dearborn Street - Wabash Avenue

Weather: Clear

Date: 10/2/24

Time From: 9:40

Time To: 10:00

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	26%	28%	26%
% In Pace:	68%	68%	67%
% Under Pace:	6%	4%	7%
Average Speed:	43 MPH	44 MPH	43 MPH
Pace Speed:	36 - 45 MPH	37 - 46 MPH	37 - 46 MPH
15th Percentile / Critical Speed:	38 MPH	39 MPH	38 MPH
50th Percentile / Critical Speed:	43 MPH	43 MPH	43 MPH
85th Percentile / Critical Speed:	50 MPH	49 MPH	49 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	0	56		0	
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	1	50	X	1	
49	0	1	49	X	1	
48	0	1	48	X	1	
47	1	2	47	X / X X	3	
46	1	0	46	X	1	
45	1	5	45	X / X X X X X	6	
44	1	2	44	X / X X	3	
43	2	3	43	X X / X X X	5	*
42	2	3	42	X X / X X X	5	*
41	1	5	41	X / X X X X X	6	*
40	4	5	40	X X X X / X X X X X	9	PACE
39	8	3	39	X X X X X X X X / X X X	11	
38	6	4	38	X X X X X X / X X X X	10	
37	4	6	37	X X X X / X X X X X X	10	
36	4	3	36	X X X X / X X X	7	*
35	3	1	35	X X X / X	4	*
34	5	2	34	X X X X X / X X	7	*
33	2	1	33	X X / X	3	
32	2	1	32	X X / X	3	
31	1	1	31	X / X	2	
30	1	0	30	X	1	
29	1	0	29	X	1	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Colton Avenue

Between: Grove Street - Dearborn Street

Weather: Clear

Date: 10/2/24

Time From: 9:20

Time To: 9:40

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	10%	16%
% In Pace:	78%	78%	74%
% Under Pace:	14%	12%	10%
Average Speed:	38 MPH	40 MPH	39 MPH
Pace Speed:	34 - 43 MPH	36 - 45 MPH	34 - 43 MPH
15th Percentile / Critical Speed:	34 MPH	36 MPH	34 MPH
50th Percentile / Critical Speed:	38 MPH	40 MPH	39 MPH
85th Percentile / Critical Speed:	42 MPH	45 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	1	46		X	1	
45	0	2	45		X X	2	
44	1	2	44	X	X X	3	
43	1	1	43	X	X	2	
42	4	1	42	X X X X	X	5	
41	2	2	41	X X	X X	4	
40	1	4	40	X	X X X X	5	*
39	2	5	39	X X	X X X X X	7	*
38	6	5	38	X X X X X X	X X X X X	11	*
37	3	4	37	X X X	X X X X	7	P
36	7	4	36	X X X X X X X	X X X X	11	A
35	3	9	35	X X X	X X X X X X X X X	12	C
34	4	3	34	X X X X	X X X	7	E
33	4	2	33	X X X X	X X	6	*
32	2	3	32	X X	X X X	5	*
31	4	1	31	X X X X	X	5	*
30	1	0	30	X		1	
29	3	1	29	X X X	X	4	
28	2	0	28	X X		2	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Colton Avenue

Between: Redlands Boulevard - Church Street

Weather: Clear

Date: 10/1/24

Time From: 9:00

Time To: 9:20

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	22%	14%	17%
% In Pace:	74%	82%	76%
% Under Pace:	4%	4%	7%
Average Speed:	36 MPH	37 MPH	36 MPH
Pace Speed:	29 - 38 MPH	32 - 41 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	31 MPH	34 MPH	32 MPH
50th Percentile / Critical Speed:	36 MPH	37 MPH	36 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	1	1	42	X	X	2	
41	1	0	41	X		1	
40	2	2	40	X X	X X	4	
39	2	1	39	X X	X	3	
38	4	1	38	X X X X	X	5	*
37	2	5	37	X X	X X X X X	7	*
36	3	1	36	X X X	X	4	*
35	5	7	35	X X X X X	X X X X X X X	12	*
34	2	4	34	X X	X X X X	6	*
33	5	1	33	X X X X X	X	6	*
32	1	6	32	X	X X X X X X	7	*
31	3	1	31	X X X	X	4	*
30	6	6	30	X X X X X X	X X X X X X	12	*
29	5	5	29	X X X X X	X X X X X	10	*
28	3	0	28	X X X		3	
27	2	3	27	X X	X X X	5	
26	1	4	26	X	X X X X	5	
25	2	2	25	X X	X X	4	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Crescent Avenue

Between: Ramona Drive - Serpentine Drive

Weather: Clear

Date: 10/8/24

Time From: 9:20

Time To: 10:25

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	12%	8%	10%
% In Pace:	72%	74%	73%
% Under Pace:	16%	18%	17%
Average Speed:	33 MPH	32 MPH	33 MPH
Pace Speed:	29 - 38 MPH	29 - 38 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	28 MPH	27 MPH	28 MPH
50th Percentile / Critical Speed:	33 MPH	32 MPH	32 MPH
85th Percentile / Critical Speed:	38 MPH	37 MPH	37 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT.
				Northbound / Southbound	VEH.
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	0	0	40		0
39	0	0	39		0
38	1	1	38	X / X	2
37	0	0	37		0
36	2	1	36	X X / X	3
35	0	0	35		0
34	0	1	34	/ X	1
33	0	3	33	/ X X X	3
32	4	3	32	X X X X / X X X	7
31	4	4	31	X X X X / X X X X	8
30	7	7	30	X X X X X X X / X X X X X X X	14
29	8	6	29	X X X X X X X X / X X X X X X	14
28	5	6	28	X X X X X / X X X X X X	11
27	6	5	27	X X X X X X / X X X X X	11
26	3	2	26	X X X / X X	5
25	4	7	25	X X X X / X X X X X X X	11
24	2	0	24	X X	2
23	2	2	23	X X / X X	4
22	0	0	22		0
21	1	2	21	X / X X	3
20	0	0	20		0
19	1	0	19	X	1
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: Crestview Road

Between: Ford Street - Buckingham Drive

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 12:10

Existing Speed Limit: 30 MPH

PACE

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	4%	9%
% In Pace:	90%	88%	87%
% Under Pace:	4%	8%	4%
Average Speed:	28 MPH	29 MPH	28 MPH
Pace Speed:	23 - 32 MPH	25 - 34 MPH	23 - 32 MPH
15th Percentile / Critical Speed:	25 MPH	25 MPH	25 MPH
50th Percentile / Critical Speed:	29 MPH	29 MPH	29 MPH
85th Percentile / Critical Speed:	31 MPH	32 MPH	32 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	2	0	52	X X		2	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	1	1	48	X	X	2	
47	1	1	47	X	X	2	
46	2	1	46	X X	X	3	
45	1	1	45	X	X	2	
44	3	1	44	X X X	X	4	*
43	1	3	43	X	X X X	4	*
42	5	4	42	X X X X X	X X X X	9	*
41	3	6	41	X X X	X X X X X X	9	
40	2	6	40	X X	X X X X X X	8	
39	8	9	39	X X X X X X X X	X X X X X X X X X	17	
38	5	3	38	X X X X X	X X X	8	
37	5	3	37	X X X X X	X X X	8	*
36	4	1	36	X X X X	X	5	*
35	2	4	35	X X	X X X X	6	*
34	2	2	34	X X	X X	4	
33	3	0	33	X X X		3	
32	0	2	32		X X	2	
31	0	2	31		X X	2	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Cypress Avenue

Between: Center Street - Redlands Boulevard

Weather: Clear

Date: 10/2/24

Time From: 3:15

Time To: 3:35

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	22%	10%	11%
% In Pace:	78%	82%	78%
% Under Pace:	0%	8%	11%
Average Speed:	40 MPH	39 MPH	40 MPH
Pace Speed:	33 - 42 MPH	34 - 43 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	36 MPH	35 MPH	35 MPH
50th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH
85th Percentile / Critical Speed:	44 MPH	43 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	0	56		0	
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	1	51	X	1	
50	0	1	50	X	1	
49	0	2	49	X X	2	
48	0	1	48	X	1	
47	2	1	47	X X / X	3	
46	2	3	46	X X / X X X	5	*
45	4	0	45	X X X X	4	*
44	3	2	44	X X X / X X	5	*
43	2	4	43	X X / X X X X	6	P
42	5	7	42	X X X X X / X X X X X X X	12	A
41	4	5	41	X X X X / X X X X X	9	C
40	8	4	40	X X X X X X X X / X X X X	12	E
39	7	3	39	X X X X X X X / X X X	10	*
38	3	8	38	X X X / X X X X X X X X	11	*
37	4	2	37	X X X X / X X	6	*
36	2	2	36	X X / X X	4	
35	2	2	35	X X / X X	4	
34	1	0	34	X	1	
33	1	1	33	X / X	2	
32	0	0	32		0	
31	0	1	31	X	1	
30	0	0	30		0	
29	0	0	29		0	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Cypress Avenue

Between: Redlands Boulevard - Citrus Avenue

Weather: Clear

Date: 10/2/24

Time From: 3:35

Time To: 3:55

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	4%	18%	8%
% In Pace:	84%	78%	80%
% Under Pace:	12%	4%	12%
Average Speed:	40 MPH	41 MPH	41 MPH
Pace Speed:	37 - 46 MPH	35 - 44 MPH	37 - 46 MPH
15th Percentile / Critical Speed:	37 MPH	37 MPH	37 MPH
50th Percentile / Critical Speed:	40 MPH	41 MPH	40 MPH
85th Percentile / Critical Speed:	45 MPH	46 MPH	45 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	1	45	X	1	
44	2	0	44	X X	2	
43	2	3	43	X X / X X X	5	*
42	2	4	42	X X / X X X X	6	*
41	4	3	41	X X X X / X X X	7	*
40	3	0	40	X X X	3	PACE
39	6	3	39	X X X X X X / X X X	9	
38	4	5	38	X X X X / X X X X X	9	
37	8	7	37	X X X X X X X X / X X X X X X X	15	
36	1	6	36	X / X X X X X X	7	*
35	2	4	35	X X / X X X X	6	*
34	5	3	34	X X X X X / X X X	8	*
33	3	2	33	X X X / X X	5	
32	2	3	32	X X / X X X	5	
31	3	1	31	X X X / X	4	
30	0	3	30	X X X	3	
29	1	0	29	X	1	
28	0	0	28		0	
27	2	2	27	X X / X X	4	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Cypress Avenue

Between: Terracina Boulevard - Center Street

Weather: Clear

Date: 10/8/24

Time From: 10:45

Time To: 11:10

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	2%	3%
% In Pace:	76%	76%	75%
% Under Pace:	16%	22%	22%
Average Speed:	37 MPH	37 MPH	37 MPH
Pace Speed:	33 - 42 MPH	34 - 43 MPH	34 - 43 MPH
15th Percentile / Critical Speed:	32 MPH	32 MPH	32 MPH
50th Percentile / Critical Speed:	37 MPH	37 MPH	37 MPH
85th Percentile / Critical Speed:	41 MPH	42 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed: Northbound	Vehicles Surveyed: Southbound	TOT. VEH.	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	1	0	44	X		1	
43	1	0	43	X		1	
42	2	1	42	X X	X	3	
41	1	1	41	X	X	2	
40	3	0	40	X X X		3	
39	0	2	39		X X	2	
38	4	2	38	X X X X	X X	6	*
37	2	4	37	X X	X X X X	6	*
36	3	4	36	X X X	X X X X	7	*
35	3	6	35	X X X	X X X X X X	9	P
34	5	9	34	X X X X X	X X X X X X X X X	14	A
33	6	5	33	X X X X X X	X X X X X	11	C
32	4	1	32	X X X X	X	5	E
31	3	3	31	X X X	X X X	6	*
30	3	3	30	X X X	X X X	6	*
29	1	4	29	X	X X X X	5	*
28	2	2	28	X X	X X	4	
27	3	2	27	X X X	X X	5	
26	1	0	26	X		1	
25	2	1	25	X X	X	3	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Dearborn Street

Between: Colton Avenue - Lugonia Avenue

Weather: Clear

Date: 9/24/24

Time From: 2:05

Time To: 2:30

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	16%	8%	12%
% In Pace:	68%	82%	75%
% Under Pace:	16%	10%	13%
Average Speed:	34 MPH	34 MPH	34 MPH
Pace Speed:	29 - 38 MPH	29 - 38 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	28 MPH	29 MPH	29 MPH
50th Percentile / Critical Speed:	33 MPH	34 MPH	34 MPH
85th Percentile / Critical Speed:	40 MPH	37 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed		TOT. VEH.	PACE
				Northbound	Southbound		
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	1	1	45	X	X	2	
44	1	0	44	X		1	
43	2	0	43	X X		2	
42	2	5	42	X X	X X X X X	7	*
41	4	2	41	X X X X	X X	6	*
40	2	2	40	X X	X X	4	*
39	5	5	39	X X X X X	X X X X X	10	
38	3	2	38	X X X	X X	5	
37	6	4	37	X X X X X X	X X X X	10	
36	6	3	36	X X X X X X	X X X	9	
35	3	6	35	X X X	X X X X X X	9	*
34	1	3	34	X	X X X	4	*
33	4	2	33	X X X X	X X	6	*
32	0	2	32		X X	2	
31	1	3	31	X	X X X	4	
30	3	2	30	X X X	X X	5	
29	3	2	29	X X X	X X	5	
28	1	2	28	X	X X	3	
27	1	1	27	X	X	2	
26	0	1	26		X	1	
25	1	1	25	X	X	2	
24	0	1	24		X	1	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Dearborn Street

Between: Fifth Avenue - Colton Avenue

Weather: Clear

Date: 9/24/24

Time From: 2:30

Time To: 3:20

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	2%	5%
% In Pace:	72%	68%	70%
% Under Pace:	20%	30%	25%
Average Speed:	36 MPH	35 MPH	36 MPH
Pace Speed:	33 - 42 MPH	33 - 42 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	30 MPH	29 MPH	30 MPH
50th Percentile / Critical Speed:	37 MPH	35 MPH	36 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

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Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	1	51		X	1	
50	0	0	50			0	
49	2	2	49	X X	X X	4	
48	3	1	48	X X X	X	4	
47	1	1	47	X	X	2	
46	3	2	46	X X X	X X	5	
45	4	3	45	X X X X	X X X	7	
44	1	2	44	X	X X	3	*
43	3	4	43	X X X	X X X X	7	*
42	6	0	42	X X X X X X		6	*
41	4	3	41	X X X X	X X X	7	P
40	4	3	40	X X X X	X X X	7	A
39	5	7	39	X X X X X	X X X X X X X	12	C
38	1	2	38	X	X X	3	E
37	1	1	37	X	X	2	*
36	2	5	36	X X	X X X X X	7	*
35	5	3	35	X X X X X	X X X	8	*
34	0	1	34		X	1	
33	0	3	33		X X X	3	
32	2	2	32	X X	X X	4	
31	0	1	31		X	1	
30	3	1	30	X X X	X	4	
29	0	1	29		X	1	
28	0	0	28			0	
27	0	0	27			0	
26	0	1	26		X	1	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Dearborn Street

Between: Lugonia Avenue - San Bernardino Avenue

Weather: Clear

Date: 9/24/24

Time From: 1:05

Time To: 2:05

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	4%	14%	23%
% In Pace:	68%	60%	62%
% Under Pace:	28%	26%	15%
Average Speed:	41 MPH	39 MPH	40 MPH
Pace Speed:	39 - 48 MPH	36 - 45 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	35 MPH	33 MPH	34 MPH
50th Percentile / Critical Speed:	41 MPH	39 MPH	40 MPH
85th Percentile / Critical Speed:	46 MPH	45 MPH	46 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	1	0	45	X	1
44	1	0	44	X	1
43	1	1	43	X / X	2
42	1	0	42	X	1
41	1	1	41	X / X	2
40	1	2	40	X / X X	3
39	1	1	39	X / X	2
38	3	4	38	X X X / X X X X	7
37	3	0	37	X X X	3
36	5	2	36	X X X X X / X X	7
35	4	3	35	X X X X / X X X	7
34	1	3	34	X / X X X	4
33	4	7	33	X X X X / X X X X X X X	11
32	4	6	32	X X X X / X X X X X X	10
31	4	3	31	X X X X / X X X	7
30	1	6	30	X / X X X X X X	7
29	4	1	29	X X X X / X	5
28	2	2	28	X X / X X	4
27	3	2	27	X X X / X X	5
26	1	4	26	X / X X X X	5
25	3	2	25	X X X / X X	5
24	0	0	24		0
23	1	0	23	X	1
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * * *

Location: Dearborn Street

Between: San Bernardino Avenue - Sessums Drive

Weather: Clear

Date: 9/24/24

Time From: 12:05

Time To: 1:05

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	22%	12%
% In Pace:	66%	74%	68%
% Under Pace:	20%	4%	20%
Average Speed:	33 MPH	32 MPH	33 MPH
Pace Speed:	29 - 38 MPH	26 - 35 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	27 MPH	27 MPH	27 MPH
50th Percentile / Critical Speed:	33 MPH	32 MPH	33 MPH
85th Percentile / Critical Speed:	38 MPH	38 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	2	1	46	X X / X	3	
45	2	0	45	X X	2	
44	4	1	44	X X X X / X	5	
43	1	0	43	X	1	
42	4	3	42	X X X X / X X X	7	*
41	2	2	41	X X / X X	4	*
40	2	0	40	X X	2	*
39	3	2	39	X X X / X X	5	P
38	2	6	38	X X / X X X X X X	8	A
37	4	5	37	X X X X / X X X X X	9	C
36	3	4	36	X X X / X X X X	7	E
35	5	4	35	X X X X X / X X X X	9	*
34	6	4	34	X X X X X X / X X X X	10	*
33	3	3	33	X X X / X X X	6	*
32	1	4	32	X / X X X X	5	
31	2	4	31	X X / X X X X	6	
30	2	0	30	X X	2	
29	1	3	29	X / X X X	4	
28	0	1	28	/ X	1	
27	1	3	27	X / X X X	4	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Elizabeth Street

Between: Garden Street - Crescent Avenue

Weather: Clear

Date: 9/24/24

Time From: 9:00

Time To: 12:05

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	18%	18%	11%
% In Pace:	68%	74%	67%
% Under Pace:	14%	8%	22%
Average Speed:	37 MPH	35 MPH	36 MPH
Pace Speed:	33 - 42 MPH	29 - 38 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	33 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	37 MPH	35 MPH	36 MPH
85th Percentile / Critical Speed:	44 MPH	39 MPH	42 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	1	2	45	X	X X	3	
44	0	1	44		X	1	
43	0	0	43			0	
42	1	1	42	X	X	2	
41	2	1	41	X X	X	3	
40	3	0	40	X X X		3	
39	2	2	39	X X	X X	4	*
38	2	3	38	X X	X X X	5	*
37	5	3	37	X X X X X	X X X	8	*
36	2	3	36	X X	X X X	5	P
35	4	4	35	X X X X	X X X X	8	A
34	11	5	34	X X X X X X X X X X X	X X X X X	16	C
33	0	6	33		X X X X X X	6	E
32	8	7	32	X X X X X X X X	X X X X X X X	15	*
31	2	5	31	X X	X X X X X	7	*
30	3	1	30	X X X	X	4	*
29	1	2	29	X	X X	3	
28	0	0	28			0	
27	2	2	27	X X	X X	4	
26	1	1	26	X	X	2	
25	0	1	25		X	1	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Fern Avenue

Between: Cajon Street - Center Street

Weather: Clear

Date: 10/2/24

Time From: 12:35

Time To: 1:10

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	4%	10%	12%
% In Pace:	78%	78%	78%
% Under Pace:	18%	12%	10%
Average Speed:	35 MPH	34 MPH	34 MPH
Pace Speed:	32 - 41 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	31 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	34 MPH	33 MPH	34 MPH
85th Percentile / Critical Speed:	39 MPH	38 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.
				Eastbound / Westbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	1	0	49	X	1
48	1	1	48	X X	2
47	0	0	47		0
46	2	2	46	X X X X	4
45	0	0	45		0
44	1	0	44	X	1
43	3	1	43	X X X X	4
42	2	2	42	X X X X	4
41	3	1	41	X X X X	4
40	2	3	40	X X X X X	5
39	3	6	39	X X X X X X X X X	9
38	2	9	38	X X X X X X X X X X X	11
37	4	5	37	X X X X X X X X X	9
36	3	2	36	X X X X X	5
35	8	3	35	X X X X X X X X X X X	11
34	3	4	34	X X X X X X X	7
33	3	2	33	X X X X X	5
32	2	2	32	X X X X	4
31	0	3	31	X X X	3
30	1	3	30	X X X X	4
29	3	0	29	X X X	3
28	2	1	28	X X X	3
27	1	0	27	X	1
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

Location: Fern Avenue

Between: Center Street - San Mateo Street

Weather: Clear

Date: 10/2/24

Time From: 1:10

Time To: 1:50

Existing Speed Limit: 40 MPH

PACE

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	14%	12%
% In Pace:	66%	78%	70%
% Under Pace:	24%	8%	18%
Average Speed:	37 MPH	37 MPH	37 MPH
Pace Speed:	34 - 43 MPH	31 - 40 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	32 MPH	32 MPH	32 MPH
50th Percentile / Critical Speed:	36 MPH	37 MPH	37 MPH
85th Percentile / Critical Speed:	43 MPH	40 MPH	42 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	1	47		X	1	
46	0	0	46			0	
45	0	0	45			0	
44	0	4	44		X X X X	4	
43	2	2	43	X X	X X	4	
42	2	0	42	X X		2	
41	1	1	41	X	X	2	
40	4	1	40	X X X X	X	5	*
39	2	4	39	X X	X X X X	6	*
38	3	3	38	X X X	X X X	6	*
37	4	4	37	X X X X	X X X X	8	P
36	2	6	36	X X	X X X X X X	8	A
35	7	4	35	X X X X X X X	X X X X	11	C
34	3	5	34	X X X	X X X X X	8	E
33	6	4	33	X X X X X X	X X X X	10	*
32	1	0	32	X		1	*
31	6	5	31	X X X X X X	X X X X X	11	*
30	2	0	30	X X		2	
29	3	4	29	X X X	X X X X	7	
28	1	2	28	X	X X	3	
27	1	0	27	X		1	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Fern Avenue

Between: Redlands Boulevard - Cajon Street

Weather: Clear

Date: 10/2/24

Time From: 11:55

Time To: 12:35

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	16%	13%
% In Pace:	76%	72%	74%
% Under Pace:	14%	12%	13%
Average Speed:	35 MPH	36 MPH	35 MPH
Pace Speed:	31 - 40 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	31 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	35 MPH	36 MPH	35 MPH
85th Percentile / Critical Speed:	40 MPH	41 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound / Westbound	TOT. VEH.	PACE
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	1	2	46	X / X X	3	
45	0	1	45	/ X	1	
44	1	0	44	X /	1	
43	1	0	43	X /	1	
42	4	4	42	X X X X / X X X X	8	
41	1	1	41	X / X	2	
40	2	3	40	X X / X X X	5	*
39	1	7	39	X / X X X X X X X	8	*
38	5	7	38	X X X X X / X X X X X X X	12	*
37	5	3	37	X X X X X / X X X	8	*
36	6	2	36	X X X X X X / X X	8	*
35	1	3	35	X / X X X	4	*
34	6	2	34	X X X X X X / X X	8	*
33	4	6	33	X X X X / X X X X X X	10	*
32	4	4	32	X X X X / X X X X	8	*
31	4	4	31	X X X X / X X X X	8	*
30	3	0	30	X X X /	3	
29	0	1	29	/ X	1	
28	0	0	28		0	
27	1	0	27	X /	1	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Fern Avenue

Between: San Mateo Street - Terracina Boulevard

Weather: Clear

Date: 10/2/24

Time From: 1:50

Time To: 2:20

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	20%	16%	16%
% In Pace:	78%	82%	79%
% Under Pace:	2%	2%	5%
Average Speed:	36 MPH	37 MPH	36 MPH
Pace Speed:	30 - 39 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	31 MPH	32 MPH	32 MPH
50th Percentile / Critical Speed:	36 MPH	38 MPH	36 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	1	0	59	X		1	
58	1	0	58	X		1	
57	2	2	57	X X	X X	4	
56	0	1	56		X	1	
55	0	0	55			0	
54	2	0	54	X X		2	
53	1	0	53	X		1	
52	1	0	52	X		1	
51	0	1	51		X	1	
50	0	1	50		X	1	
49	0	2	49		X X	2	
48	1	2	48	X	X X	3	*
47	2	4	47	X X	X X X X	6	*
46	2	2	46	X X	X X	4	*
45	6	4	45	X X X X X X	X X X X	10	P
44	4	5	44	X X X X	X X X X X	9	A
43	2	4	43	X X	X X X X	6	C
42	5	6	42	X X X X X	X X X X X X	11	E
41	3	4	41	X X X	X X X X	7	*
40	5	1	40	X X X X X	X	6	*
39	4	4	39	X X X X	X X X X	8	*
38	1	0	38	X		1	
37	0	1	37		X	1	
36	2	0	36	X X		2	
35	1	1	35	X	X	2	
34	1	1	34	X	X	2	
33	2	1	33	X X	X	3	
32	0	1	32		X	1	
31	1	2	31	X	X X	3	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Fifth Avenue

Between: Dearborn Street - Wabash Avenue

Weather: Clear

Date: 9/25/24

Time From: 11:25

Time To: 11:45

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	16%	14%	15%
% In Pace:	68%	72%	70%
% Under Pace:	16%	14%	15%
Average Speed:	44 MPH	43 MPH	43 MPH
Pace Speed:	39 - 48 MPH	39 - 48 MPH	39 - 48 MPH
15th Percentile / Critical Speed:	38 MPH	39 MPH	38 MPH
50th Percentile / Critical Speed:	42 MPH	43 MPH	43 MPH
85th Percentile / Critical Speed:	52 MPH	48 MPH	48 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	2	52		X X	2	
51	1	0	51	X		1	
50	2	0	50	X X		2	
49	2	2	49	X X	X X	4	
48	1	3	48	X	X X X	4	
47	2	3	47	X X	X X X	5	*
46	2	2	46	X X	X X	4	*
45	4	4	45	X X X X	X X X X	8	*
44	6	5	44	X X X X X X	X X X X X	11	P
43	4	3	43	X X X X	X X X	7	A
42	4	7	42	X X X X	X X X X X X X	11	C
41	5	6	41	X X X X X	X X X X X X	11	E
40	8	2	40	X X X X X X X X	X X	10	*
39	4	1	39	X X X X	X	5	*
38	1	5	38	X	X X X X X	6	*
37	1	2	37	X	X X	3	
36	2	1	36	X X	X	3	
35	0	2	35		X X	2	
34	1	0	34	X		1	
33	0	0	33			0	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Fifth Avenue

Between: Ford Street - Dearborn Street

Weather: Clear

Date: 9/25/24

Time From: 11:45

Time To: 12:05

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	14%	13%
% In Pace:	80%	76%	78%
% Under Pace:	10%	10%	9%
Average Speed:	43 MPH	43 MPH	43 MPH
Pace Speed:	39 - 48 MPH	38 - 47 MPH	38 - 47 MPH
15th Percentile / Critical Speed:	39 MPH	38 MPH	38 MPH
50th Percentile / Critical Speed:	42 MPH	42 MPH	42 MPH
85th Percentile / Critical Speed:	47 MPH	47 MPH	47 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Northbound / Southbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	0	56		0	
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	1	0	49	X	1	
48	0	0	48		0	
47	0	1	47	X	1	
46	2	4	46	X X / X X X X	6	*
45	1	4	45	X / X X X X	5	*
44	1	6	44	X / X X X X X X	7	*
43	1	4	43	X / X X X X	5	*
42	4	7	42	X X X X / X X X X X X X	11	*
41	3	8	41	X X X / X X X X X X X X	11	*
40	9	0	40	X X X X X X X X X	9	*
39	6	5	39	X X X X X X / X X X X X	11	*
38	4	5	38	X X X X / X X X X X	9	*
37	7	3	37	X X X X X X X / X X X	10	*
36	4	1	36	X X X X / X	5	
35	6	0	35	X X X X X X	6	
34	0	1	34	X	1	
33	1	0	33	X	1	
32	0	0	32		0	
31	0	1	31	X	1	
30	0	0	30		0	
29	0	0	29		0	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Ford Street

Between: Citrus Avenue - Fifth Avenue

Weather: Clear

Date: 9/24/24

Time From: 2:25

Time To: 2:45

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	2%	2%
% In Pace:	90%	92%	84%
% Under Pace:	2%	6%	14%
Average Speed:	39 MPH	41 MPH	40 MPH
Pace Speed:	35 - 44 MPH	37 - 46 MPH	37 - 46 MPH
15th Percentile / Critical Speed:	36 MPH	38 MPH	37 MPH
50th Percentile / Critical Speed:	39 MPH	42 MPH	40 MPH
85th Percentile / Critical Speed:	42 MPH	45 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	1	0	49	X	1
48	1	0	48	X	1
47	0	1	47	X	1
46	3	2	46	X X X / X X	5
45	0	0	45		0
44	1	3	44	X / X X X	4
43	3	1	43	X X X / X	4
42	3	5	42	X X X / X X X X X	8
41	7	4	41	X X X X X X X / X X X X	11
40	6	6	40	X X X X X X / X X X X X X	12
39	5	7	39	X X X X X / X X X X X X X	12
38	8	9	38	X X X X X X X X / X X X X X X X X	17
37	3	4	37	X X X / X X X X	7
36	3	2	36	X X X / X X	5
35	2	5	35	X X / X X X X X	7
34	2	1	34	X X / X	3
33	0	0	33		0
32	1	0	32	X	1
31	1	0	31	X	1
30	0	0	30		0
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * *

Location: Ford Street

Between: Fifth Avenue - Reservoir Road

Weather: Clear

Date: 9/24/24

Time From: 2:45

Time To: 3:05

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	12%	6%	8%
% In Pace:	84%	92%	87%
% Under Pace:	4%	2%	5%
Average Speed:	40 MPH	39 MPH	40 MPH
Pace Speed:	34 - 43 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	36 MPH	36 MPH	36 MPH
50th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH
85th Percentile / Critical Speed:	43 MPH	42 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	1	1	44	X X	2	
43	0	0	43		0	
42	0	0	42		0	
41	1	1	41	X X	2	
40	6	3	40	X X X X X X X X X	9	*
39	4	5	39	X X X X X X X X X	9	*
38	1	5	38	X X X X X X	6	*
37	6	6	37	X X X X X X X X X X X X	12	P
36	9	4	36	X X X X X X X X X X X X X	13	A
35	5	4	35	X X X X X X X X X	9	C
34	3	6	34	X X X X X X X X X	9	E
33	3	3	33	X X X X X X	6	*
32	5	4	32	X X X X X X X X X	9	*
31	2	5	31	X X X X X X X	7	*
30	0	3	30	X X X	3	
29	1	0	29	X	1	
28	0	0	28		0	
27	2	0	27	X X	2	
26	1	0	26	X	1	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Ford Street

Between: Reservoir Road - Sunset Drive

Weather: Clear

Date: 9/24/24

Time From: 3:10

Time To: 3:30

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	4%	4%	4%
% In Pace:	88%	90%	89%
% Under Pace:	8%	6%	7%
Average Speed:	35 MPH	35 MPH	35 MPH
Pace Speed:	31 - 40 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	32 MPH	31 MPH	32 MPH
50th Percentile / Critical Speed:	36 MPH	35 MPH	36 MPH
85th Percentile / Critical Speed:	40 MPH	39 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	1	0	49	X		1	
48	0	0	48			0	
47	1	1	47	X	X	2	
46	1	1	46	X	X	2	
45	3	2	45	X X X	X X	5	
44	1	0	44	X		1	
43	5	4	43	X X X X X	X X X X	9	*
42	2	1	42	X X	X	3	*
41	4	2	41	X X X X	X X	6	*
40	6	1	40	X X X X X X	X	7	*
39	1	7	39	X	X X X X X X X	8	*
38	6	4	38	X X X X X X	X X X X	10	*
37	5	4	37	X X X X X	X X X X	9	*
36	2	5	36	X X	X X X X X	7	*
35	3	1	35	X X X	X	4	*
34	3	7	34	X X X	X X X X X X X	10	*
33	0	2	33		X X	2	
32	2	4	32	X X	X X X X	6	
31	1	0	31	X		1	
30	2	1	30	X X	X	3	
29	0	1	29		X	1	
28	0	0	28			0	
27	0	2	27		X X	2	
26	1	0	26	X		1	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Ford Street

Between: Sunset Drive - Garden Hill Drive

Weather: Clear

Date: 9/25/24

Time From: 2:10

Time To: 2:55

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	18%	11%
% In Pace:	74%	74%	73%
% Under Pace:	12%	8%	16%
Average Speed:	39 MPH	37 MPH	38 MPH
Pace Speed:	34 - 43 MPH	32 - 41 MPH	34 - 43 MPH
15th Percentile / Critical Speed:	34 MPH	32 MPH	33 MPH
50th Percentile / Critical Speed:	38 MPH	37 MPH	38 MPH
85th Percentile / Critical Speed:	43 MPH	43 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed: Northbound	Vehicles Surveyed: Southbound	TOT. VEH.	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	1	1	44	X	X	2	
43	1	0	43	X		1	
42	1	0	42	X		1	
41	0	0	41			0	
40	1	1	40	X	X	2	
39	3	4	39	X X X	X X X X	7	
38	5	0	38	X X X X X		5	
37	1	1	37	X	X	2	
36	3	3	36	X X X	X X X	6	
35	1	2	35	X	X X	3	
34	1	2	34	X	X X	3	
33	5	3	33	X X X X X	X X X	8	*
32	5	5	32	X X X X X	X X X X X	10	*
31	1	5	31	X	X X X X X	6	*
30	2	6	30	X X	X X X X X X	8	P
29	2	2	29	X X	X X	4	A
28	3	3	28	X X X	X X X	6	C
27	2	1	27	X X	X	3	E
26	4	1	26	X X X X	X	5	*
25	3	4	25	X X X	X X X X	7	*
24	2	4	24	X X	X X X X	6	*
23	3	1	23	X X X	X	4	
22	0	1	22		X	1	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Franklin Avenue

Between: Eucalyptus Drive - Oak Street

Weather: Clear

Date: 9/24/24

Time From: 9:00

Time To: 11:00

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	36%	28%	32%
% In Pace:	58%	68%	63%
% Under Pace:	6%	4%	5%
Average Speed:	32 MPH	31 MPH	32 MPH
Pace Speed:	24 - 33 MPH	24 - 33 MPH	24 - 33 MPH
15th Percentile / Critical Speed:	25 MPH	25 MPH	25 MPH
50th Percentile / Critical Speed:	32 MPH	31 MPH	31 MPH
85th Percentile / Critical Speed:	38 MPH	36 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	0	0	41			0	
40	0	0	40			0	
39	0	0	39			0	
38	1	1	38	X	X	2	
37	1	0	37	X		1	
36	0	1	36		X	1	
35	0	2	35		X X	2	
34	0	0	34			0	
33	2	2	33	X X	X X	4	*
32	2	2	32	X X	X X	4	*
31	1	6	31	X	X X X X X X	7	*
30	1	4	30	X	X X X X	5	
29	5	4	29	X X X X X	X X X X	9	
28	12	3	28	X X X X X X X X X X X X	X X X	15	
27	4	8	27	X X X X	X X X X X X X X	12	
26	7	6	26	X X X X X X X	X X X X X X	13	*
25	5	0	25	X X X X X		5	*
24	3	8	24	X X X	X X X X X X X X	11	*
23	3	1	23	X X X	X	4	
22	1	2	22	X	X X	3	
21	0	0	21			0	
20	2	0	20	X X		2	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Franklin Avenue

Between: Oak Street - Garden Street

Weather: Clear

Date: 9/24/24

Time From: 9:00

Time To: 12:05

Existing Speed Limit: N / P MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	8%	6%
% In Pace:	86%	86%	85%
% Under Pace:	6%	6%	9%
Average Speed:	27 MPH	28 MPH	28 MPH
Pace Speed:	23 - 32 MPH	24 - 33 MPH	24 - 33 MPH
15th Percentile / Critical Speed:	24 MPH	24 MPH	24 MPH
50th Percentile / Critical Speed:	27 MPH	27 MPH	27 MPH
85th Percentile / Critical Speed:	30 MPH	32 MPH	31 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	1	2	51	X	X X	3	
50	1	0	50	X		1	
49	2	1	49	X X	X	3	
48	2	1	48	X X	X	3	
47	2	2	47	X X	X X	4	
46	1	4	46	X	X X X X	5	*
45	6	5	45	X X X X X X	X X X X X	11	*
44	0	8	44		X X X X X X X X	8	*
43	4	6	43	X X X X	X X X X X X	10	
42	3	4	42	X X X	X X X X	7	
41	3	2	41	X X X	X X	5	
40	6	4	40	X X X X X X	X X X X	10	
39	6	4	39	X X X X X X	X X X X	10	*
38	5	1	38	X X X X X	X	6	*
37	5	2	37	X X X X X	X X	7	*
36	1	2	36	X	X X	3	
35	1	1	35	X	X	2	
34	0	0	34			0	
33	0	0	33			0	
32	0	0	32			0	
31	1	1	31	X	X	2	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Garden Street

Between: Mariposa Drive - Cajon Street

Weather: Clear

Date: 10/1/24

Time From: 2:50

Time To: 3:25

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	16%	6%	14%
% In Pace:	78%	80%	79%
% Under Pace:	6%	14%	7%
Average Speed:	42 MPH	43 MPH	42 MPH
Pace Speed:	37 - 46 MPH	39 - 48 MPH	37 - 46 MPH
15th Percentile / Critical Speed:	37 MPH	39 MPH	38 MPH
50th Percentile / Critical Speed:	40 MPH	43 MPH	42 MPH
85th Percentile / Critical Speed:	47 MPH	46 MPH	46 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	1	0	46	X	1	
45	0	0	45		0	
44	2	2	44	X X / X X	4	
43	1	0	43	X	1	
42	3	3	42	X X X / X X X	6	
41	3	3	41	X X X / X X X	6	*
40	1	1	40	X / X	2	*
39	2	2	39	X X / X X	4	*
38	5	2	38	X X X X X / X X	7	*
37	7	0	37	X X X X X X X	7	*
36	2	4	36	X X / X X X X	6	*
35	4	5	35	X X X X / X X X X X	9	*
34	6	2	34	X X X X X X / X X	8	*
33	2	5	33	X X / X X X X X	7	*
32	6	7	32	X X X X X X / X X X X X X X	13	*
31	0	4	31	X X X X	4	
30	1	0	30	X	1	
29	2	4	29	X X / X X X X	6	
28	1	0	28	X	1	
27	0	3	27	X X X	3	
26	0	1	26	X	1	
25	0	1	25	X	1	
24	1	0	24	X	1	
23	0	0	23		0	
22	0	0	22		0	
21	0	1	21	X	1	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Grove Street

Between: Citrus Avenue - Brockton Avenue

Weather: Clear

Date: 10/3/24

Time From: 9:25

Time To: 10:05

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	26%	12%
% In Pace:	76%	68%	69%
% Under Pace:	10%	6%	19%
Average Speed:	36 MPH	34 MPH	35 MPH
Pace Speed:	32 - 41 MPH	27 - 36 MPH	32 - 41 MPH
15th Percentile / Critical Speed:	32 MPH	29 MPH	30 MPH
50th Percentile / Critical Speed:	36 MPH	33 MPH	35 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	0	0	40		0
39	0	0	39		0
38	0	0	38		0
37	1	0	37	X	1
36	0	0	36		0
35	2	0	35	X X	2
34	2	1	34	X X X	3
33	1	0	33	X	1
32	7	1	32	X X X X X X X X	8
31	4	5	31	X X X X X X X X X	9
30	6	4	30	X X X X X X X X X X	10
29	3	4	29	X X X X X X X	7
28	5	4	28	X X X X X X X X X	9
27	5	5	27	X X X X X X X X X X	10
26	4	7	26	X X X X X X X X X X X	11
25	2	7	25	X X X X X X X X X	9
24	2	7	24	X X X X X X X X X	9
23	2	2	23	X X X X	4
22	0	0	22		0
21	2	0	21	X X	2
20	2	1	20	X X X	3
19	0	2	19	X X	2
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: Grove Street

Between: Highland Avenue - Citrus Avenue

Weather: Clear

Date: 9/26/24

Time From: 9:00

Time To: 10:50

Existing Speed Limit: 35 MPH

PACE *

	Northbound	Southbound	Combined Statistics
% Over Pace:	12%	2%	7%
% In Pace:	80%	92%	86%
% Under Pace:	8%	6%	7%
Average Speed:	29 MPH	27 MPH	28 MPH
Pace Speed:	23 - 32 MPH	23 - 32 MPH	23 - 32 MPH
15th Percentile / Critical Speed:	24 MPH	24 MPH	24 MPH
50th Percentile / Critical Speed:	29 MPH	26 MPH	27 MPH
85th Percentile / Critical Speed:	32 MPH	30 MPH	32 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	1	52		X	1
51	0	0	51			0
50	0	1	50		X	1
49	0	2	49		X X	2
48	1	1	48	X	X	2
47	2	1	47	X X	X	3
46	1	2	46	X	X X	3
45	3	0	45	X X X		3
44	2	3	44	X X	X X X	5
43	2	2	43	X X	X X	4
42	2	1	42	X X	X	3
41	3	4	41	X X X	X X X X	7
40	4	1	40	X X X X	X	5
39	6	4	39	X X X X X X	X X X X	10
38	5	7	38	X X X X X	X X X X X X X	12
37	5	5	37	X X X X X	X X X X X	10
36	2	2	36	X X	X X	4
35	0	3	35		X X X	3
34	3	2	34	X X X	X X	5
33	3	2	33	X X X	X X	5
32	2	3	32	X X	X X X	5
31	1	2	31	X	X X	3
30	0	0	30			0
29	0	0	29			0
28	2	0	28	X X		2
27	0	1	27		X	1
26	1	0	26	X		1
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50		GRAND TOTALS		100

Location: Highland Avenue

Between: Cajon Street - San Mateo Street

Weather: Clear

Date: 10/1/24

Time From: 12:50

Time To: 1:25

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	28%	27%
% In Pace:	68%	66%	66%
% Under Pace:	24%	6%	7%
Average Speed:	38 MPH	39 MPH	39 MPH
Pace Speed:	36 - 45 MPH	32 - 41 MPH	32 - 41 MPH
15th Percentile / Critical Speed:	33 MPH	33 MPH	33 MPH
50th Percentile / Critical Speed:	39 MPH	38 MPH	38 MPH
85th Percentile / Critical Speed:	44 MPH	46 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	1	53		X	1	
52	0	1	52		X	1	
51	0	1	51		X	1	
50	1	1	50	X	X	2	
49	0	3	49		X X X	3	
48	2	5	48	X X	X X X X X	7	*
47	2	8	47	X X	X X X X X X X X	10	*
46	4	5	46	X X X X	X X X X X	9	*
45	2	3	45	X X	X X X	5	
44	1	8	44	X	X X X X X X X X	9	
43	1	1	43	X	X	2	
42	6	2	42	X X X X X X	X X	8	
41	9	2	41	X X X X X X X X X	X X	11	*
40	4	2	40	X X X X	X X	6	*
39	3	4	39	X X X	X X X X	7	*
38	5	0	38	X X X X X		5	
37	1	1	37	X	X	2	
36	3	0	36	X X X		3	
35	2	2	35	X X	X X	4	
34	1	0	34	X		1	
33	1	0	33	X		1	
32	1	0	32	X		1	
31	1	0	31	X		1	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Highland Avenue

Between: Ford Street - Cajon Street

Weather: Clear

Date: 10/1/24

Time From: 12:25

Time To: 12:50

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	14%	8%
% In Pace:	74%	80%	74%
% Under Pace:	20%	6%	18%
Average Speed:	41 MPH	45 MPH	43 MPH
Pace Speed:	38 - 47 MPH	39 - 48 MPH	39 - 48 MPH
15th Percentile / Critical Speed:	36 MPH	40 MPH	38 MPH
50th Percentile / Critical Speed:	41 MPH	45 MPH	42 MPH
85th Percentile / Critical Speed:	46 MPH	48 MPH	47 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	1	0	44	X		1	
43	1	1	43	X	X	2	
42	2	3	42	X X	X X X	5	
41	0	0	41			0	
40	4	1	40	X X X X	X	5	*
39	3	3	39	X X X	X X X	6	*
38	1	1	38	X	X	2	*
37	5	1	37	X X X X X	X	6	*
36	8	3	36	X X X X X X X X	X X X	11	*
35	2	5	35	X X	X X X X X	7	*
34	5	3	34	X X X X X	X X X	8	*
33	0	5	33		X X X X X	5	*
32	4	5	32	X X X X	X X X X X	9	*
31	1	7	31	X	X X X X X X X	8	*
30	1	3	30	X	X X X	4	
29	2	3	29	X X	X X X	5	
28	3	1	28	X X X	X	4	
27	3	2	27	X X X	X X	5	
26	1	1	26	X	X	2	
25	1	2	25	X	X X	3	
24	1	0	24	X		1	
23	1	0	23	X		1	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Highland Avenue

Between: San Mateo Street - Serpentine Drive

Weather: Clear

Date: 10/1/24

Time From: 1:25

Time To: 2:25

Existing Speed Limit: 30 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	20%	8%
% In Pace:	66%	74%	67%
% Under Pace:	26%	6%	25%
Average Speed:	34 MPH	33 MPH	34 MPH
Pace Speed:	31 - 40 MPH	27 - 36 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	28 MPH	29 MPH	28 MPH
50th Percentile / Critical Speed:	35 MPH	33 MPH	34 MPH
85th Percentile / Critical Speed:	40 MPH	39 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	1	48	X	1
47	0	1	47	X	1
46	0	2	46	X X	2
45	1	1	45	X / X	2
44	0	0	44		0
43	2	3	43	X X / X X X	5
42	0	1	42	X	1
41	1	0	41	X	1
40	5	3	40	X X X X X / X X X	8
39	8	4	39	X X X X X X X X / X X X X	12
38	3	6	38	X X X / X X X X X X	9
37	7	9	37	X X X X X X X / X X X X X X X X X	16
36	6	7	36	X X X X X X / X X X X X X X	13
35	5	8	35	X X X X X / X X X X X X X X	13
34	4	2	34	X X X X / X X	6
33	6	1	33	X X X X X X / X	7
32	1	1	32	X / X	2
31	0	0	31		0
30	1	0	30	X	1
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

Location: Judson Street

Between: Citrus Avenue - Colton Avenue

Weather: Clear

Date: 9/24/24

Time From: 3:40

Time To: 4:00

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	10%	12%
% In Pace:	92%	86%	87%
% Under Pace:	2%	4%	1%
Average Speed:	37 MPH	38 MPH	37 MPH
Pace Speed:	32 - 41 MPH	34 - 43 MPH	32 - 41 MPH
15th Percentile / Critical Speed:	33 MPH	35 MPH	34 MPH
50th Percentile / Critical Speed:	37 MPH	37 MPH	37 MPH
85th Percentile / Critical Speed:	40 MPH	43 MPH	40 MPH

PACE * * * * * * *

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	3	0	46	X X X	3	
45	0	1	45	X	1	
44	0	1	44	X	1	
43	0	2	43	X X	2	
42	2	1	42	X X X	3	
41	3	3	41	X X X X X X	6	*
40	3	3	40	X X X X X X	6	*
39	5	2	39	X X X X X X X	7	*
38	7	6	38	X X X X X X X X X X X X X	13	P
37	4	4	37	X X X X X X X X	8	A
36	7	7	36	X X X X X X X X X X X X X X	14	C
35	5	5	35	X X X X X X X X X X	10	E
34	0	4	34	X X X X	4	*
33	3	3	33	X X X X X X	6	*
32	2	3	32	X X X X X	5	*
31	1	1	31	X X	2	
30	3	2	30	X X X X X	5	
29	1	0	29	X	1	
28	1	1	28	X X	2	
27	0	1	27	X	1	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Judson Street

Between: Colton Avenue - Lugonia Avenue

Weather: Clear

Date: 10/1/24

Time From: 11:20

Time To: 11:45

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	10%	10%
% In Pace:	78%	80%	79%
% Under Pace:	16%	10%	11%
Average Speed:	37 MPH	36 MPH	37 MPH
Pace Speed:	33 - 42 MPH	32 - 41 MPH	32 - 41 MPH
15th Percentile / Critical Speed:	32 MPH	32 MPH	32 MPH
50th Percentile / Critical Speed:	37 MPH	36 MPH	36 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	1	45		X	1	
44	1	1	44	X	X	2	
43	2	0	43	X X		2	
42	0	2	42		X X	2	
41	1	3	41	X	X X X	4	*
40	2	2	40	X X	X X	4	*
39	3	5	39	X X X	X X X X X	8	*
38	4	6	38	X X X X	X X X X X X	10	
37	6	1	37	X X X X X X	X	7	
36	6	6	36	X X X X X X	X X X X X X	12	
35	6	3	35	X X X X X X	X X X	9	
34	3	6	34	X X X	X X X X X X	9	*
33	4	2	33	X X X X	X X	6	*
32	4	5	32	X X X X	X X X X X	9	*
31	2	1	31	X X	X	3	
30	1	2	30	X	X X	3	
29	3	2	29	X X X	X X	5	
28	0	1	28		X	1	
27	1	0	27	X		1	
26	0	1	26		X	1	
25	1	0	25	X		1	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Judson Street

Between: Lugonia Avenue - Pioneer Avenue

Weather: Clear

Date: 10/1/24

Time From: 10:30

Time To: 11:20

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	8%	7%
% In Pace:	80%	78%	78%
% Under Pace:	12%	14%	15%
Average Speed:	35 MPH	36 MPH	36 MPH
Pace Speed:	31 - 40 MPH	32 - 41 MPH	32 - 41 MPH
15th Percentile / Critical Speed:	31 MPH	32 MPH	31 MPH
50th Percentile / Critical Speed:	35 MPH	36 MPH	36 MPH
85th Percentile / Critical Speed:	39 MPH	40 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

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T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	1	0	50	X		1
49	1	1	49	X	X	2
48	1	0	48	X		1
47	2	1	47	X X	X	3
46	1	0	46	X		1
45	2	1	45	X X	X	3
44	2	3	44	X X	X X X	5
43	4	3	43	X X X X	X X X	7
42	7	3	42	X X X X X X X	X X X	10
41	4	2	41	X X X X	X X	6
40	4	3	40	X X X X	X X X	7
39	6	6	39	X X X X X X	X X X X X X	12
38	5	12	38	X X X X X	X X X X X X X X X X X X	17
37	1	5	37	X	X X X X X	6
36	2	2	36	X X	X X	4
35	2	3	35	X X	X X X	5
34	0	1	34		X	1
33	3	1	33	X X X	X	4
32	0	2	32		X X	2
31	1	1	31	X	X	2
30	1	0	30	X		1
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50			GRAND TOTALS	100

PACE * * * * * *

Location: Live Oak Canyon Road

Between: San Timoteo Canyon Road - Easterly Boundary

Weather: Clear

Date: 10/1/24

Time From: 2:35

Time To: 3:35

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	6%	11%
% In Pace:	74%	84%	79%
% Under Pace:	20%	10%	10%
Average Speed:	40 MPH	39 MPH	40 MPH
Pace Speed:	38 - 47 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	36 MPH	35 MPH	35 MPH
50th Percentile / Critical Speed:	40 MPH	38 MPH	39 MPH
85th Percentile / Critical Speed:	45 MPH	43 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

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T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	1	0	46	X	1	
45	1	0	45	X	1	
44	0	0	44		0	
43	2	1	43	X X / X	3	
42	3	0	42	X X X	3	
41	3	1	41	X X X / X	4	
40	0	2	40	X X	2	
39	1	4	39	X / X X X X	5	*
38	2	1	38	X X / X	3	*
37	3	4	37	X X X / X X X X	7	*
36	7	2	36	X X X X X X X / X X	9	P
35	3	6	35	X X X / X X X X X X	9	A
34	4	11	34	X X X X / X X X X X X X X X X X	15	C
33	6	6	33	X X X X X X / X X X X X X	12	E
32	8	3	32	X X X X X X X X / X X X	11	*
31	5	5	31	X X X X X / X X X X X	10	*
30	0	3	30	X X X	3	*
29	0	1	29	X	1	
28	1	0	28	X	1	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Lugonia Avenue

Between: Alabama Street - Tennessee Street

Weather: Clear

Date: 9/24/24

Time From: 9:55

Time To: 10:20

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	20%	8%	14%
% In Pace:	78%	90%	84%
% Under Pace:	2%	2%	2%
Average Speed:	36 MPH	35 MPH	35 MPH
Pace Speed:	31 - 40 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	32 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	35 MPH	34 MPH	34 MPH
85th Percentile / Critical Speed:	41 MPH	39 MPH	39 MPH

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	1	2	52	X	X X	3	
51	1	1	51	X	X	2	
50	0	0	50			0	
49	1	1	49	X	X	2	
48	2	0	48	X X		2	
47	0	0	47			0	
46	3	2	46	X X X	X X	5	
45	2	3	45	X X	X X X	5	*
44	0	1	44		X	1	*
43	1	5	43	X	X X X X X	6	*
42	2	7	42	X X	X X X X X X X	9	P
41	7	6	41	X X X X X X X	X X X X X X	13	A
40	4	3	40	X X X X	X X X	7	C
39	3	4	39	X X X	X X X X	7	E
38	5	2	38	X X X X X	X X	7	*
37	2	2	37	X X	X X	4	*
36	7	2	36	X X X X X X X	X X	9	*
35	3	2	35	X X X	X X	5	
34	1	0	34	X		1	
33	0	2	33		X X	2	
32	1	2	32	X	X X	3	
31	2	0	31	X X		2	
30	1	2	30	X	X X	3	
29	1	1	29	X	X	2	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Lugonia Avenue

Between: California Street - Alabama Street

Weather: Clear

Date: 9/24/24

Time From: 9:35

Time To: 9:55

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	20%	8%	14%
% In Pace:	70%	70%	68%
% Under Pace:	10%	22%	18%
Average Speed:	40 MPH	40 MPH	40 MPH
Pace Speed:	34 - 43 MPH	37 - 46 MPH	36 - 45 MPH
15th Percentile / Critical Speed:	35 MPH	35 MPH	35 MPH
50th Percentile / Critical Speed:	39 MPH	41 MPH	40 MPH
85th Percentile / Critical Speed:	46 MPH	45 MPH	45 MPH

Radar Survey Conducted By:

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound / Westbound	TOT. VEH.	PACE
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	2	56	X X	2	
55	0	0	55		0	
54	2	3	54	X X / X X X	5	
53	2	0	53	X X	2	
52	0	6	52	X X X X X X	6	*
51	3	1	51	X X X / X	4	*
50	0	3	50	X X X	3	*
49	2	2	49	X X / X X	4	P
48	2	5	48	X X / X X X X X	7	A
47	2	5	47	X X / X X X X X	7	C
46	6	5	46	X X X X X X / X X X X X	11	E
45	2	6	45	X X / X X X X X X	8	*
44	4	1	44	X X X X / X	5	*
43	3	6	43	X X X / X X X X X X	9	*
42	0	1	42	X	1	
41	0	1	41	X	1	
40	0	1	40	X	1	
39	6	0	39	X X X X X X	6	
38	4	0	38	X X X X	4	
37	3	1	37	X X X / X	4	
36	0	1	36	X	1	
35	2	0	35	X X	2	
34	1	0	34	X	1	
33	1	0	33	X	1	
32	3	0	32	X X X	3	
31	0	0	31		0	
30	0	0	30		0	
29	1	0	29	X	1	
28	1	0	28	X	1	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Lugonia Avenue

Between: 1500' W/ Research Avenue - California Street

Weather: Clear

Date: 9/24/24

Time From: 9:00

Time To: 9:35

Existing Speed Limit: 50 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	26%	10%	9%
% In Pace:	56%	80%	64%
% Under Pace:	18%	10%	27%
Average Speed:	42 MPH	47 MPH	45 MPH
Pace Speed:	37 - 46 MPH	43 - 52 MPH	43 - 52 MPH
15th Percentile / Critical Speed:	35 MPH	43 MPH	38 MPH
50th Percentile / Critical Speed:	43 MPH	47 MPH	46 MPH
85th Percentile / Critical Speed:	49 MPH	52 MPH	51 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	1	44		X	1	
43	3	0	43	X X X		3	
42	4	0	42	X X X X		4	
41	4	0	41	X X X X		4	
40	3	2	40	X X X	X X	5	
39	1	2	39	X	X X	3	*
38	4	1	38	X X X X	X	5	*
37	2	4	37	X X	X X X X	6	*
36	0	4	36		X X X X	4	P
35	5	3	35	X X X X X	X X X	8	A
34	8	6	34	X X X X X X X X	X X X X X X	14	C
33	5	9	33	X X X X X	X X X X X X X X X	14	E
32	5	7	32	X X X X X	X X X X X X X	12	*
31	4	7	31	X X X X	X X X X X X X	11	*
30	2	4	30	X X	X X X X	6	*
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Lugonia Avenue

Between: Tennessee Street - Texas Street

Weather: Clear

Date: 9/24/24

Time From: 10:20

Time To: 10:40

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	6%	17%
% In Pace:	74%	94%	83%
% Under Pace:	12%	0%	0%
Average Speed:	36 MPH	34 MPH	35 MPH
Pace Speed:	32 - 41 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	32 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	35 MPH	33 MPH	34 MPH
85th Percentile / Critical Speed:	41 MPH	37 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	1	0	52	X		1
51	0	0	51			0
50	0	0	50			0
49	2	1	49	X X	X	3
48	0	2	48		X X	2
47	1	1	47	X	X	2
46	1	5	46	X	X X X X X	6
45	2	0	45	X X		2
44	6	4	44	X X X X X X	X X X X	10
43	2	10	43	X X	X X X X X X X X X X	12
42	4	6	42	X X X X	X X X X X X	10
41	3	2	41	X X X	X X	5
40	3	3	40	X X X	X X X	6
39	3	1	39	X X X	X	4
38	6	3	38	X X X X X X	X X X	9
37	4	1	37	X X X X	X	5
36	4	4	36	X X X X	X X X X	8
35	3	4	35	X X X	X X X X	7
34	4	3	34	X X X X	X X X	7
33	1	0	33	X		1
32	0	0	32			0
31	0	0	31			0
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50			GRAND TOTALS	100

Location: Lugonia Avenue

Between: Texas Street - Orange Street

Weather: Clear

Date: 9/24/24

Time From: 10:40

Time To: 11:00

Existing Speed Limit: 40 MPH

PACE

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	18%	16%
% In Pace:	76%	76%	76%
% Under Pace:	10%	6%	8%
Average Speed:	40 MPH	41 MPH	41 MPH
Pace Speed:	35 - 44 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	35 MPH	36 MPH	35 MPH
50th Percentile / Critical Speed:	39 MPH	42 MPH	41 MPH
85th Percentile / Critical Speed:	44 MPH	46 MPH	45 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	1	47	X	1	
46	0	1	46	X	1	
45	0	1	45	X	1	
44	0	0	44		0	
43	1	1	43	X X	2	
42	2	7	42	X X X X X X X X X	9	
41	1	1	41	X X	2	
40	1	2	40	X X X	3	
39	3	4	39	X X X X X X X	7	*
38	4	4	38	X X X X X X X X	8	*
37	4	2	37	X X X X X X	6	*
36	5	3	36	X X X X X X X X	8	PACE
35	3	4	35	X X X X X X X	7	
34	2	4	34	X X X X X X	6	
33	2	3	33	X X X X X	5	
32	8	5	32	X X X X X X X X X X X X X	13	*
31	2	3	31	X X X X X	5	*
30	5	0	30	X X X X X	5	*
29	2	2	29	X X X X	4	
28	1	0	28	X	1	
27	2	0	27	X X	2	
26	1	0	26	X	1	
25	0	2	25	X X	2	
24	0	0	24		0	
23	0	0	23		0	
22	1	0	22	X	1	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Mariposa Drive

Between: Country Club Drive - Garden Street

Weather: Clear

Date: 10/1/24

Time From: 2:20

Time To: 2:50

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	8%	19%
% In Pace:	76%	68%	70%
% Under Pace:	14%	24%	11%
Average Speed:	34 MPH	36 MPH	35 MPH
Pace Speed:	30 - 39 MPH	33 - 42 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	30 MPH	32 MPH	30 MPH
50th Percentile / Critical Speed:	34 MPH	36 MPH	35 MPH
85th Percentile / Critical Speed:	39 MPH	42 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	0	44		0	
43	0	0	43		0	
42	0	0	42		0	
41	0	0	41		0	
40	0	0	40		0	
39	0	0	39		0	
38	0	0	38		0	
37	0	0	37		0	
36	0	0	36		0	
35	0	0	35		0	
34	0	0	34		0	
33	0	0	33		0	
32	0	0	32		0	
31	0	0	31		0	
30	0	0	30		0	
29	1	0	29	X	1	
28	4	0	28	X X X X	4	
27	2	0	27	X X	2	
26	1	1	26	X / X	2	
25	3	1	25	X X X / X	4	*
24	5	2	24	X X X X X / X X	7	*
23	1	5	23	X / X X X X X	6	*
22	5	4	22	X X X X X / X X X X	9	P
21	3	3	21	X X X / X X X	6	A
20	1	7	20	X / X X X X X X X	8	C
19	4	7	19	X X X X / X X X X X X X	11	E
18	4	4	18	X X X X / X X X X	8	*
17	3	1	17	X X X / X	4	*
16	4	2	16	X X X X / X X	6	*
15	1	1	15	X / X	2	
14	2	1	14	X X / X	3	
13	3	3	13	X X X / X X X	6	
12	2	1	12	X X / X	3	
11	1	3	11	X / X X X	4	
10	0	4	10	/ X X X X	4	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Mariposa Drive

Between: Halsey Street - Dwight Street

Weather: Clear

Date: 9/24/24

Time From: 7:00

Time To: 5:45

Existing Speed Limit: 25 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	16%	2%	9%
% In Pace:	66%	72%	69%
% Under Pace:	18%	26%	22%
Average Speed:	20 MPH	18 MPH	19 MPH
Pace Speed:	16 - 25 MPH	16 - 25 MPH	16 - 25 MPH
15th Percentile / Critical Speed:	14 MPH	12 MPH	13 MPH
50th Percentile / Critical Speed:	20 MPH	19 MPH	19 MPH
85th Percentile / Critical Speed:	26 MPH	23 MPH	24 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.
				Eastbound / Westbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	1	0	40	X	1
39	1	0	39	X	1
38	2	1	38	X X / X	3
37	3	0	37	X X X	3
36	2	2	36	X X / X X	4
35	1	2	35	X / X X	3
34	6	2	34	X X X X X X / X X	8
33	4	2	33	X X X X / X X	6
32	2	2	32	X X / X X	4
31	4	4	31	X X X X / X X X X	8
30	3	4	30	X X X / X X X X	7
29	5	4	29	X X X X X / X X X X	9
28	4	3	28	X X X X / X X X	7
27	7	4	27	X X X X X X X / X X X X	11
26	1	6	26	X / X X X X X X	7
25	0	5	25	/ X X X X X	5
24	2	2	24	X X / X X	4
23	1	2	23	X / X X	3
22	1	2	22	X / X X	3
21	0	0	21		0
20	0	2	20	/ X X	2
19	0	1	19	/ X	1
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: Mariposa Drive

Between: Wabash Avenue - Country Club Drive

Weather: Clear

Date: 9/24/24

Time From: 9:05

Time To: 11:55

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	10%	15%
% In Pace:	76%	72%	72%
% Under Pace:	10%	18%	13%
Average Speed:	31 MPH	28 MPH	30 MPH
Pace Speed:	27 - 36 MPH	25 - 34 MPH	25 - 34 MPH
15th Percentile / Critical Speed:	27 MPH	24 MPH	25 MPH
50th Percentile / Critical Speed:	31 MPH	28 MPH	29 MPH
85th Percentile / Critical Speed:	36 MPH	33 MPH	34 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	2	0	56	X X	2
55	0	0	55		0
54	0	2	54	X X	2
53	1	1	53	X X	2
52	2	0	52	X X	2
51	3	0	51	X X X	3
50	0	0	50		0
49	5	1	49	X X X X X X	6
48	2	0	48	X X	2
47	2	3	47	X X X X X	5
46	3	1	46	X X X X	4
45	4	6	45	X X X X X X X X X X	10
44	5	3	44	X X X X X X X X	8
43	2	2	43	X X X X	4
42	2	3	42	X X X X X	5
41	5	3	41	X X X X X X X X	8
40	2	3	40	X X X X X	5
39	3	6	39	X X X X X X X X X	9
38	2	5	38	X X X X X X X	7
37	3	4	37	X X X X X X	7
36	0	4	36	X X X X	4
35	1	2	35	X X X	3
34	0	1	34	X	1
33	1	0	33	X	1
32	0	0	32		0
31	0	0	31		0
30	0	0	30		0
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * * *

Location: Mountain View Avenue

Between: Interstate 10 Freeway - Central Avenue

Weather: Clear

Date: 10/3/24

Time From: 11:40

Time To: 12:00

Existing Speed Limit: 50 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	16%	16%	24%
% In Pace:	64%	78%	67%
% Under Pace:	20%	6%	9%
Average Speed:	44 MPH	41 MPH	43 MPH
Pace Speed:	40 - 49 MPH	36 - 45 MPH	37 - 46 MPH
15th Percentile / Critical Speed:	39 MPH	37 MPH	37 MPH
50th Percentile / Critical Speed:	44 MPH	40 MPH	42 MPH
85th Percentile / Critical Speed:	51 MPH	46 MPH	49 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	1	0	51	X	1
50	0	0	50		0
49	0	1	49	X	1
48	2	0	48	X X	2
47	1	0	47	X	1
46	3	0	46	X X X	3
45	4	1	45	X X X X / X	5
44	1	4	44	X / X X X X	5
43	3	5	43	X X X / X X X X X	8
42	4	1	42	X X X X / X	5
41	3	2	41	X X X / X X	5
40	4	6	40	X X X X / X X X X X X	10
39	2	6	39	X X / X X X X X X	8
38	3	3	38	X X X / X X X	6
37	3	4	37	X X X / X X X X	7
36	2	5	36	X X / X X X X X	7
35	5	3	35	X X X X X / X X X	8
34	1	3	34	X / X X X	4
33	2	2	33	X X / X X	4
32	2	3	32	X X / X X X	5
31	0	0	31		0
30	1	1	30	X / X	2
29	1	0	29	X	1
28	2	0	28	X X	2
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

Location: New York Street

Between: Colton Avenue - Lugonia Avenue

Weather: Clear

Date: 10/3/24

Time From: 10:25

Time To: 10:45

Existing Speed Limit: 40 MPH

PACE

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	4%	13%
% In Pace:	60%	78%	69%
% Under Pace:	32%	18%	18%
Average Speed:	39 MPH	38 MPH	39 MPH
Pace Speed:	37 - 46 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	33 MPH	34 MPH	34 MPH
50th Percentile / Critical Speed:	40 MPH	39 MPH	39 MPH
85th Percentile / Critical Speed:	45 MPH	43 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	0	44		0	
43	0	0	43		0	
42	1	3	42	X / X X X	4	
41	0	2	41	X X	2	
40	0	1	40	X	1	
39	2	2	39	X X / X X	4	*
38	1	6	38	X / X X X X X X	7	*
37	5	2	37	X X X X X / X X	7	*
36	3	9	36	X X X / X X X X X X X X X	12	P
35	4	2	35	X X X X / X X	6	A
34	4	4	34	X X X X / X X X X	8	C
33	10	4	33	X X X X X X X X X X / X X X X	14	E
32	4	7	32	X X X X / X X X X X X X	11	*
31	9	3	31	X X X X X X X X X / X X X	12	*
30	1	3	30	X / X X X	4	*
29	2	1	29	X X / X	3	
28	1	1	28	X / X	2	
27	2	0	27	X X	2	
26	0	0	26		0	
25	1	0	25	X	1	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Olive Avenue

Between: Citrus Avenue - San Mateo Street

Weather: Clear

Date: 10/2/24

Time From: 2:50

Time To: 3:15

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	2%	12%	7%
% In Pace:	86%	84%	85%
% Under Pace:	12%	4%	8%
Average Speed:	33 MPH	35 MPH	34 MPH
Pace Speed:	30 - 39 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	31 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	33 MPH	35 MPH	34 MPH
85th Percentile / Critical Speed:	37 MPH	39 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	1	46	X	1	
45	1	0	45	X	1	
44	0	1	44	X	1	
43	0	2	43	X X	2	
42	2	4	42	X X / X X X X	6	
41	0	2	41	X X	2	
40	5	3	40	X X X X X / X X X	8	*
39	5	3	39	X X X X X / X X X	8	*
38	3	3	38	X X X / X X X	6	*
37	3	4	37	X X X / X X X X	7	PACE
36	2	5	36	X X / X X X X X	7	
35	4	5	35	X X X X / X X X X X	9	
34	6	1	34	X X X X X X / X	7	
33	5	1	33	X X X X X / X	6	*
32	5	3	32	X X X X X / X X X	8	*
31	2	4	31	X X / X X X X	6	*
30	0	2	30	X X	2	
29	2	1	29	X X / X	3	
28	1	2	28	X / X X	3	
27	2	2	27	X X / X X	4	
26	0	1	26	X	1	
25	1	0	25	X	1	
24	1	0	24	X	1	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Olive Avenue

Between: San Mateo Street - Terracina Boulevard

Weather: Clear

Date: 10/2/24

Time From: 2:20

Time To: 2:50

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	2%	13%
% In Pace:	80%	64%	72%
% Under Pace:	14%	34%	15%
Average Speed:	35 MPH	36 MPH	35 MPH
Pace Speed:	31 - 40 MPH	35 - 44 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	31 MPH	30 MPH	30 MPH
50th Percentile / Critical Speed:	34 MPH	36 MPH	35 MPH
85th Percentile / Critical Speed:	40 MPH	42 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed		TOT. VEH.	
				Eastbound	Westbound		
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	1	47		X	1	
46	1	2	46	X	X X	3	
45	0	1	45		X	1	
44	0	1	44		X	1	
43	0	1	43		X	1	
42	0	1	42		X	1	
41	3	3	41	X X X	X X X	6	
40	1	1	40	X	X	2	
39	2	2	39	X X	X X	4	*
38	4	5	38	X X X X	X X X X X	9	*
37	4	3	37	X X X X	X X X	7	*
36	5	10	36	X X X X X	X X X X X X X X X X	15	P
35	2	3	35	X X	X X X	5	A
34	5	3	34	X X X X X	X X X	8	C
33	5	4	33	X X X X X	X X X X	9	E
32	3	5	32	X X X	X X X X X	8	*
31	4	2	31	X X X X	X X	6	*
30	3	1	30	X X X	X	4	*
29	2	1	29	X X	X	3	
28	3	0	28	X X X		3	
27	2	0	27	X X		2	
26	1	0	26	X		1	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50		GRAND TOTALS		100	

Location: Orange Tree Lane

Between: California Street - Nevada Street

Weather: Clear

Date: 10/3/24

Time From: 11:20

Time To: 11:40

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	14%	16%
% In Pace:	74%	78%	75%
% Under Pace:	16%	8%	9%
Average Speed:	34 MPH	37 MPH	35 MPH
Pace Speed:	30 - 39 MPH	32 - 41 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	29 MPH	32 MPH	31 MPH
50th Percentile / Critical Speed:	34 MPH	36 MPH	36 MPH
85th Percentile / Critical Speed:	38 MPH	41 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	1	49		X	1
48	1	2	48	X	X X	3
47	0	0	47			0
46	2	1	46	X X	X	3
45	1	2	45	X	X X	3
44	0	2	44		X X	2
43	4	1	43	X X X X	X	5
42	2	1	42	X X	X	3
41	6	5	41	X X X X X X	X X X X X	11
40	3	1	40	X X X	X	4
39	3	4	39	X X X	X X X X	7
38	5	4	38	X X X X X	X X X X	9
37	3	2	37	X X X	X X	5
36	6	6	36	X X X X X X	X X X X X X	12
35	2	5	35	X X	X X X X X	7
34	1	1	34	X	X	2
33	1	5	33	X	X X X X X	6
32	4	1	32	X X X X	X	5
31	1	2	31	X	X X	3
30	0	3	30		X X X	3
29	1	0	29	X		1
28	2	1	28	X X	X	3
27	1	0	27	X		1
26	0	0	26			0
25	1	0	25	X		1
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50			GRAND TOTALS	100

Location: Orange Tree Lane

Between: Nevada Street - Alabama Street

Weather: Clear

Date: 10/3/24

Time From: 10:45

Time To: 11:20

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	18%	20%
% In Pace:	70%	68%	68%
% Under Pace:	22%	14%	12%
Average Speed:	37 MPH	38 MPH	38 MPH
Pace Speed:	34 - 43 MPH	33 - 42 MPH	32 - 41 MPH
15th Percentile / Critical Speed:	32 MPH	33 MPH	32 MPH
50th Percentile / Critical Speed:	38 MPH	37 MPH	38 MPH
85th Percentile / Critical Speed:	43 MPH	44 MPH	43 MPH

PACE * * * * * *

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed		TOT. VEH.	PACE
				Northbound	Southbound		
75	0	0	75			0	
74	0	0	74			0	
73	0	0	73			0	
72	0	0	72			0	
71	0	0	71			0	
70	0	0	70			0	
69	0	0	69			0	
68	0	0	68			0	
67	0	0	67			0	
66	0	0	66			0	
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	1	1	62	X	X	2	
61	0	0	61			0	
60	2	1	60	X X	X	3	
59	3	1	59	X X X	X	4	
58	3	1	58	X X X	X	4	
57	2	5	57	X X	X X X X X	7	*
56	4	1	56	X X X X	X	5	*
55	2	4	55	X X	X X X X	6	*
54	5	7	54	X X X X X	X X X X X X X	12	P
53	4	7	53	X X X X	X X X X X X X	11	A
52	3	7	52	X X X	X X X X X X X	10	C
51	3	1	51	X X X	X	4	E
50	3	3	50	X X X	X X X	6	*
49	4	1	49	X X X X	X	5	*
48	4	5	48	X X X X	X X X X X	9	*
47	2	0	47	X X		2	
46	1	3	46	X	X X X	4	
45	1	0	45	X		1	
44	0	1	44		X	1	
43	2	1	43	X X	X	3	
42	0	0	42			0	
41	1	0	41	X		1	
40	0	0	40			0	
39	0	0	39			0	
38	0	0	38			0	
37	0	0	37			0	
36	0	0	36			0	
35	0	0	35			0	
34	0	0	34			0	
33	0	0	33			0	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
Total	50	50			GRAND TOTALS	100	

Location: Orange Street

Between: Hubbard Court - City Limit

Weather: Clear

Date: 9/24/24

Time From: 11:45

Time To: 12:05

Existing Speed Limit: 50 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	18%	8%	13%
% In Pace:	68%	82%	75%
% Under Pace:	14%	10%	12%
Average Speed:	52 MPH	53 MPH	53 MPH
Pace Speed:	48 - 57 MPH	48 - 57 MPH	48 - 57 MPH
15th Percentile / Critical Speed:	48 MPH	48 MPH	48 MPH
50th Percentile / Critical Speed:	53 MPH	53 MPH	53 MPH
85th Percentile / Critical Speed:	58 MPH	57 MPH	57 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	1	48	X	1
47	2	0	47	X X	2
46	1	0	46	X	1
45	3	1	45	X X X X	4
44	0	1	44	X	1
43	2	2	43	X X X X	4
42	4	6	42	X X X X X X X X X X	10
41	5	4	41	X X X X X X X X X	9
40	3	10	40	X X X X X X X X X X X X X	13
39	7	4	39	X X X X X X X X X X X X	11
38	8	6	38	X X X X X X X X X X X X X X	14
37	7	5	37	X X X X X X X X X X X X	12
36	5	6	36	X X X X X X X X X X X X	11
35	3	3	35	X X X X X X	6
34	0	0	34		0
33	0	0	33		0
32	0	1	32	X	1
31	0	0	31		0
30	0	0	30		0
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * *

Location: Orange Street

Between: Lugonia Avenue - Pioneer Avenue

Weather: Clear

Date: 9/24/24

Time From: 11:00

Time To: 11:25

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	4%	8%
% In Pace:	88%	94%	91%
% Under Pace:	6%	2%	1%
Average Speed:	40 MPH	39 MPH	39 MPH
Pace Speed:	36 - 45 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	36 MPH	36 MPH	36 MPH
50th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH
85th Percentile / Critical Speed:	43 MPH	42 MPH	42 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed		TOT. VEH.	PACE
				Northbound	Southbound		
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	1	54		X	1	
53	1	3	53	X	X X	4	
52	1	4	52	X	X X X	5	
51	2	2	51	X X	X X	4	
50	0	0	50			0	
49	1	0	49	X		1	
48	4	0	48	X X X		4	*
47	2	3	47	X X	X X	5	*
46	4	3	46	X X X	X X	7	*
45	3	4	45	X X	X X X	7	P
44	3	5	44	X X	X X X X	8	A
43	6	5	43	X X X X X	X X X X	11	C
42	7	5	42	X X X X X X	X X X X	12	E
41	4	5	41	X X X	X X X X	9	*
40	4	5	40	X X X	X X X X	9	*
39	2	1	39	X X	X	3	*
38	0	3	38		X X X	3	
37	2	1	37	X X	X	3	
36	3	0	36	X X X		3	
35	1	0	35	X		1	
34	0	0	34			0	
33	0	0	33			0	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Orange Street

Between: Pioneer Avenue - Hubbard Court

Weather: Clear

Date: 9/24/24

Time From: 11:25

Time To: 11:45

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	20%	15%
% In Pace:	78%	78%	75%
% Under Pace:	12%	2%	10%
Average Speed:	43 MPH	44 MPH	44 MPH
Pace Speed:	39 - 48 MPH	38 - 47 MPH	39 - 48 MPH
15th Percentile / Critical Speed:	39 MPH	40 MPH	40 MPH
50th Percentile / Critical Speed:	43 MPH	43 MPH	43 MPH
85th Percentile / Critical Speed:	48 MPH	52 MPH	48 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.
				Eastbound / Westbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	0	0	40		0
39	0	0	39		0
38	1	0	38	X	1
37	2	0	37	X X	2
36	0	0	36		0
35	0	0	35		0
34	6	1	34	X X X X X X	7
33	0	2	33	X X	2
32	1	3	32	X X X X	4
31	2	1	31	X X X	3
30	2	2	30	X X X X	4
29	7	2	29	X X X X X X X X X	9
28	0	2	28	X X	2
27	2	5	27	X X X X X X X	7
26	5	3	26	X X X X X X X X	8
25	6	5	25	X X X X X X X X X X X	11
24	5	4	24	X X X X X X X X X	9
23	1	1	23	X X	2
22	2	1	22	X X X	3
21	1	1	21	X X	2
20	1	2	20	X X X	3
19	4	1	19	X X X X X	5
18	2	3	18	X X X X X	5
17	0	2	17	X X	2
16	0	2	16	X X	2
15	0	2	15	X X	2
14	0	3	14	X X X	3
13	0	1	13	X	1
12	0	1	12	X	1
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: Pacific Street

Between: Carob Street - Ridge Street

Weather: Clear

Date: 9/24/24

Time From: 8:10

Time To: 4:45

Existing Speed Limit: 25 MPH

PACE *		Eastbound	Westbound	Combined Statistics
*	% Over Pace:	20%	2%	10%
*	% In Pace:	64%	58%	59%
*	% Under Pace:	16%	40%	31%
*	Average Speed:	27 MPH	24 MPH	25 MPH
*	Pace Speed:	22 - 31 MPH	24 - 33 MPH	24 - 33 MPH
	15th Percentile / Critical Speed:	21 MPH	16 MPH	18 MPH
	50th Percentile / Critical Speed:	26 MPH	25 MPH	25 MPH
	85th Percentile / Critical Speed:	34 MPH	30 MPH	32 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	0	0	41			0	
40	0	0	40			0	
39	0	0	39			0	
38	0	0	38			0	
37	2	0	37	X X		2	
36	0	0	36			0	
35	1	3	35	X	X X X	4	
34	2	2	34	X X	X X	4	
33	4	3	33	X X X X	X X X	7	*
32	1	4	32	X	X X X X	5	*
31	6	4	31	X X X X X X	X X X X	10	*
30	4	4	30	X X X X	X X X X	8	
29	5	5	29	X X X X X	X X X X X	10	
28	2	0	28	X X		2	
27	7	3	27	X X X X X X X	X X X	10	
26	4	6	26	X X X X	X X X X X X	10	*
25	4	5	25	X X X X	X X X X X	9	*
24	3	3	24	X X X	X X X	6	*
23	3	2	23	X X X	X X	5	
22	0	2	22		X X	2	
21	2	3	21	X X	X X X	5	
20	0	0	20			0	
19	0	1	19		X	1	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Pacific Street

Between: Crescent Avenue - Carob Street

Weather: Clear

Date: 9/24/24

Time From: 9:05

Time To: 1:50

Existing Speed Limit: 25 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	10%	10%
% In Pace:	80%	74%	77%
% Under Pace:	10%	16%	13%
Average Speed:	28 MPH	28 MPH	28 MPH
Pace Speed:	24 - 33 MPH	24 - 33 MPH	24 - 33 MPH
15th Percentile / Critical Speed:	24 MPH	23 MPH	24 MPH
50th Percentile / Critical Speed:	28 MPH	27 MPH	28 MPH
85th Percentile / Critical Speed:	33 MPH	33 MPH	33 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.
				Eastbound / Westbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	1	49	X	1
48	0	2	48	X X	2
47	0	1	47	X	1
46	1	3	46	X / X X X	4
45	0	1	45	X	1
44	1	2	44	X / X X	3
43	2	1	43	X X / X	3
42	2	2	42	X X / X X	4
41	1	3	41	X / X X X	4
40	6	5	40	X X X X X X / X X X X X	11
39	6	5	39	X X X X X X / X X X X X	11
38	3	9	38	X X X / X X X X X X X X X	12
37	9	4	37	X X X X X X X X X / X X X X	13
36	4	2	36	X X X X / X X	6
35	6	5	35	X X X X X X / X X X X X	11
34	3	1	34	X X X / X	4
33	3	2	33	X X X / X X	5
32	2	0	32	X X	2
31	1	0	31	X	1
30	0	1	30	X	1
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

Location: Palm Avenue

Between: San Mateo Street - Ford Street

Weather: Clear

Date: 10/8/24

Time From: 9:00

Time To: 9:20

Existing Speed Limit: 40 MPH

PACE

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	16%	15%
% In Pace:	86%	76%	81%
% Under Pace:	6%	8%	4%
Average Speed:	37 MPH	40 MPH	38 MPH
Pace Speed:	33 - 42 MPH	35 - 44 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	34 MPH	35 MPH	35 MPH
50th Percentile / Critical Speed:	37 MPH	39 MPH	38 MPH
85th Percentile / Critical Speed:	40 MPH	45 MPH	42 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.
				Eastbound / Westbound	
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	1	0	44	X	1
43	1	1	43	X X	2
42	0	0	42		0
41	1	0	41	X	1
40	1	1	40	X X	2
39	2	1	39	X X X	3
38	2	0	38	X X	2
37	3	2	37	X X X X X	5
36	2	2	36	X X X X	4
35	6	3	35	X X X X X X X X X	9
34	3	2	34	X X X X X	5
33	2	6	33	X X X X X X X X	8
32	1	3	32	X X X X	4
31	2	2	31	X X X X	4
30	5	3	30	X X X X X X X X	8
29	1	3	29	X X X X	4
28	3	4	28	X X X X X X X	7
27	4	3	27	X X X X X X X	7
26	2	3	26	X X X X X	5
25	2	4	25	X X X X X X	6
24	2	0	24	X X	2
23	1	2	23	X X X	3
22	0	3	22	X X X	3
21	3	0	21	X X X	3
20	0	2	20	X X	2
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

Location: Palm Avenue

Between: Serpentine Drive - San Mateo Street

Weather: Clear

Date: 9/26/24

Time From: 9:00

Time To: 11:05

Existing Speed Limit: 30 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	22%	20%	20%
% In Pace:	58%	66%	61%
% Under Pace:	20%	14%	19%
Average Speed:	32 MPH	30 MPH	31 MPH
Pace Speed:	27 - 36 MPH	25 - 34 MPH	26 - 35 MPH
15th Percentile / Critical Speed:	25 MPH	25 MPH	25 MPH
50th Percentile / Critical Speed:	31 MPH	30 MPH	30 MPH
85th Percentile / Critical Speed:	38 MPH	35 MPH	37 MPH

PACE * * * * * *

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	0	56		0	
55	0	0	55		0	
54	0	1	54	X	1	
53	0	2	53	X X	2	
52	0	1	52	X	1	
51	0	2	51	X X	2	
50	0	1	50	X	1	
49	0	0	49		0	
48	0	1	48	X	1	
47	2	2	47	X X / X X	4	*
46	2	1	46	X X / X	3	*
45	1	3	45	X / X X X	4	*
44	2	4	44	X X / X X X X	6	
43	0	9	43	X X X X X X X X X	9	
42	3	3	42	X X X / X X X	6	
41	6	3	41	X X X X X X / X X X	9	
40	2	4	40	X X / X X X X	6	*
39	4	1	39	X X X X / X	5	*
38	3	2	38	X X X / X X	5	*
37	2	1	37	X X / X	3	
36	0	2	36	X X	2	
35	1	3	35	X / X X X	4	
34	2	1	34	X X / X	3	
33	4	0	33	X X X X	4	
32	4	0	32	X X X X	4	
31	2	1	31	X X / X	3	
30	0	1	30	X	1	
29	1	1	29	X / X	2	
28	2	0	28	X X	2	
27	2	0	27	X X	2	
26	0	0	26		0	
25	2	0	25	X X	2	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	3	0	21	X X X	3	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Palmetto Avenue

Between: California Street - Marigold Avenue

Weather: Clear

Date: 10/3/24

Time From: 12:20

Time To: 1:20

Existing Speed Limit: 30 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	20%	16%	8%
% In Pace:	56%	64%	57%
% Under Pace:	24%	20%	35%
Average Speed:	36 MPH	42 MPH	39 MPH
Pace Speed:	32 - 41 MPH	38 - 47 MPH	38 - 47 MPH
15th Percentile / Critical Speed:	28 MPH	36 MPH	31 MPH
50th Percentile / Critical Speed:	37 MPH	43 MPH	40 MPH
85th Percentile / Critical Speed:	42 MPH	48 MPH	46 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	2	0	52	X X		2	
51	2	0	51	X X		2	
50	1	0	50	X		1	
49	0	1	49		X	1	
48	1	0	48	X		1	
47	0	1	47		X	1	
46	1	1	46	X	X	2	
45	2	2	45	X X	X X	4	
44	3	0	44	X X X		3	
43	2	0	43	X X		2	
42	2	1	42	X X	X	3	
41	4	1	41	X X X X	X	5	
40	0	2	40		X X	2	
39	4	6	39	X X X X	X X X X X X	10	*
38	2	3	38	X X	X X X	5	*
37	3	1	37	X X X	X	4	*
36	4	0	36	X X X X		4	P
35	4	2	35	X X X X	X X	6	A
34	4	3	34	X X X X	X X X	7	C
33	2	3	33	X X	X X X	5	E
32	0	4	32		X X X X	4	*
31	3	1	31	X X X	X	4	*
30	1	4	30	X	X X X X	5	*
29	0	3	29		X X X	3	
28	1	3	28	X	X X X	4	
27	0	1	27		X	1	
26	1	1	26	X	X	2	
25	1	1	25	X	X	2	
24	0	4	24		X X X X	4	
23	0	1	23		X	1	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Palmetto Avenue

Between: Nevada Street - California Street

Weather: Clear

Date: 10/3/24

Time From: 1:20

Time To: 1:45

Existing Speed Limit: 30 / 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	24%	18%	29%
% In Pace:	58%	54%	54%
% Under Pace:	18%	28%	17%
Average Speed:	39 MPH	34 MPH	36 MPH
Pace Speed:	34 - 43 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	33 MPH	27 MPH	29 MPH
50th Percentile / Critical Speed:	38 MPH	33 MPH	36 MPH
85th Percentile / Critical Speed:	45 MPH	40 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	1	0	47	X		1	
46	2	1	46	X X	X	3	
45	1	0	45	X		1	
44	2	2	44	X X	X X	4	
43	0	1	43		X	1	
42	1	2	42	X	X X	3	*
41	4	7	41	X X X X	X X X X X X X	11	*
40	3	5	40	X X X	X X X X X	8	*
39	2	4	39	X X	X X X X	6	
38	8	1	38	X X X X X X X X	X	9	
37	5	6	37	X X X X X	X X X X X X	11	
36	3	9	36	X X X	X X X X X X X X X	12	
35	3	3	35	X X X	X X X	6	*
34	5	3	34	X X X X X	X X X	8	*
33	3	4	33	X X X	X X X X	7	*
32	2	0	32	X X		2	
31	1	1	31	X	X	2	
30	1	1	30	X	X	2	
29	1	0	29	X		1	
28	1	0	28	X		1	
27	1	0	27	X		1	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Palo Alto Drive

Between: Country Club Drive - Mirasol Drive

Weather: Clear

Date: 10/1/24

Time From: 1:45

Time To: 2:20

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	8%	10%
% In Pace:	76%	88%	81%
% Under Pace:	10%	4%	9%
Average Speed:	37 MPH	38 MPH	37 MPH
Pace Speed:	32 - 41 MPH	33 - 42 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	33 MPH	34 MPH	33 MPH
50th Percentile / Critical Speed:	37 MPH	37 MPH	37 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	0	44		0	
43	0	0	43		0	
42	0	0	42		0	
41	0	0	41		0	
40	0	1	40	X	1	
39	0	0	39		0	
38	1	3	38	X / X X X	4	
37	1	1	37	X / X	2	
36	4	1	36	X X X X / X	5	*
35	2	4	35	X X / X X X X	6	*
34	1	2	34	X / X X	3	*
33	4	4	33	X X X X / X X X X	8	
32	10	9	32	X X X X X X X X X X / X X X X X X X X X	19	
31	7	3	31	X X X X X X X / X X X	10	
30	4	1	30	X X X X / X	5	
29	4	8	29	X X X X / X X X X X X X X	12	*
28	3	1	28	X X X / X	4	*
27	3	3	27	X X X / X X X	6	*
26	2	1	26	X X / X	3	
25	1	2	25	X / X X	3	
24	2	3	24	X X / X X X	5	
23	0	1	23	/ X	1	
22	0	2	22	/ X X	2	
21	1	0	21	X	1	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Palo Alto Drive

Between: Mirasol Drive - Sunset Drive

Weather: Clear

Date: 10/30/24

Time From: 1:30

Time To: 3:20

Existing Speed Limit: 25 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	4%	2%	7%
% In Pace:	84%	72%	78%
% Under Pace:	12%	26%	15%
Average Speed:	31 MPH	31 MPH	31 MPH
Pace Speed:	27 - 36 MPH	29 - 38 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	27 MPH	25 MPH	26 MPH
50th Percentile / Critical Speed:	31 MPH	31 MPH	31 MPH
85th Percentile / Critical Speed:	35 MPH	35 MPH	35 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	1	0	44	X		1	
43	1	1	43	X	X	2	
42	1	1	42	X	X	2	
41	1	0	41	X		1	
40	0	3	40		X X X	3	
39	1	1	39	X	X	2	
38	2	3	38	X X	X X X	5	
37	3	3	37	X X X	X X X	6	*
36	5	1	36	X X X X X	X	6	*
35	4	6	35	X X X X	X X X X X X	10	*
34	4	8	34	X X X X	X X X X X X X X	12	P
33	4	4	33	X X X X	X X X X	8	A
32	5	4	32	X X X X X	X X X X	9	C
31	6	9	31	X X X X X X	X X X X X X X X X	15	E
30	1	2	30	X	X X	3	*
29	2	3	29	X X	X X X	5	*
28	6	0	28	X X X X X X		6	*
27	1	1	27	X	X	2	
26	1	0	26	X		1	
25	1	0	25	X		1	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Pennsylvania Avenue

Between: Church Street - University Street

Weather: Clear

Date: 10/1/24

Time From: 9:30

Time To: 10:25

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	12%	16%
% In Pace:	80%	86%	80%
% Under Pace:	6%	2%	4%
Average Speed:	33 MPH	34 MPH	34 MPH
Pace Speed:	28 - 37 MPH	29 - 38 MPH	28 - 37 MPH
15th Percentile / Critical Speed:	28 MPH	31 MPH	29 MPH
50th Percentile / Critical Speed:	33 MPH	34 MPH	33 MPH
85th Percentile / Critical Speed:	37 MPH	38 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	1	1	41	X	X	2	
40	2	1	40	X X	X	3	
39	2	0	39	X X		2	
38	0	1	38		X	1	
37	1	1	37	X	X	2	
36	4	4	36	X X X X	X X X X	8	*
35	1	2	35	X	X X	3	*
34	3	3	34	X X X	X X X	6	*
33	3	3	33	X X X	X X X	6	
32	3	2	32	X X X	X X	5	
31	4	1	31	X X X X	X	5	
30	4	5	30	X X X X	X X X X X	9	
29	6	5	29	X X X X X X	X X X X X	11	*
28	8	3	28	X X X X X X X X	X X X	11	*
27	2	7	27	X X	X X X X X X X	9	*
26	2	6	26	X X	X X X X X X	8	
25	2	1	25	X X	X	3	
24	1	3	24	X	X X X	4	
23	1	1	23	X	X	2	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Vehicles Surveyed

Location: Pennsylvania Avenue

Between: Orange Street - Church Street

Weather: Clear

Date: 10/1/24

Time From: 9:00

Time To: 9:30

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	12%	16%	10%
% In Pace:	76%	74%	73%
% Under Pace:	12%	10%	17%
Average Speed:	31 MPH	30 MPH	31 MPH
Pace Speed:	27 - 36 MPH	26 - 35 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	27 MPH	26 MPH	26 MPH
50th Percentile / Critical Speed:	30 MPH	29 MPH	30 MPH
85th Percentile / Critical Speed:	36 MPH	36 MPH	36 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound / Westbound	TOT. VEH.	PACE
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	1	46	W: X	1	
45	0	0	45		0	
44	1	1	44	E: X / W: X	2	
43	4	1	43	E: X X X X / W: X	5	
42	2	3	42	E: X X / W: X X X	5	
41	0	3	41	W: X X X	3	
40	3	6	40	E: X X X / W: X X X X X X	9	*
39	3	5	39	E: X X X / W: X X X X X	8	*
38	4	4	38	E: X X X X / W: X X X X	8	*
37	4	5	37	E: X X X X / W: X X X X X	9	P
36	3	2	36	E: X X X / W: X X	5	A
35	5	4	35	E: X X X X X / W: X X X X	9	C
34	6	3	34	E: X X X X X X / W: X X X	9	E
33	5	4	33	E: X X X X X / W: X X X X	9	*
32	3	2	32	E: X X X / W: X X	5	*
31	2	4	31	E: X X / W: X X X X	6	*
30	3	0	30	E: X X X	3	
29	1	2	29	E: X / W: X X	3	
28	0	0	28		0	
27	0	0	27		0	
26	1	0	26	E: X	1	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Pennsylvania Avenue

Between: Texas Street - Orange Street

Weather: Clear

Date: 10/30/24

Time From: 9:25

Time To: 10:05

Existing Speed Limit: 30 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	6%	16%
% In Pace:	76%	78%	77%
% Under Pace:	10%	16%	7%
Average Speed:	36 MPH	37 MPH	36 MPH
Pace Speed:	31 - 40 MPH	33 - 42 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	32 MPH	32 MPH	32 MPH
50th Percentile / Critical Speed:	35 MPH	37 MPH	37 MPH
85th Percentile / Critical Speed:	40 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	1	1	46	X X	2	
45	1	0	45	X	1	
44	3	0	44	X X X	3	
43	0	2	43	X X	2	
42	0	3	42	X X X	3	
41	4	3	41	X X X X X X X	7	
40	0	1	40	X	1	
39	3	1	39	X X X X	4	*
38	4	2	38	X X X X X X	6	*
37	2	4	37	X X X X X X	6	*
36	7	6	36	X X X X X X X X X X X X X	13	PACE
35	2	1	35	X X X	3	
34	3	1	34	X X X X	4	
33	3	2	33	X X X X X	5	
32	6	5	32	X X X X X X X X X X X	11	*
31	3	6	31	X X X X X X X X X	9	*
30	1	2	30	X X X	3	*
29	1	3	29	X X X X	4	
28	3	3	28	X X X X X X	6	
27	1	2	27	X X X	3	
26	1	0	26	X	1	
25	1	2	25	X X X	3	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Pennsylvania Avenue

Between: University Street - Judson Street

Weather: Clear

Date: 10/1/24

Time From: 10:25

Time To: 11:25

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	26%	19%
% In Pace:	68%	66%	64%
% Under Pace:	22%	8%	17%
Average Speed:	35 MPH	34 MPH	35 MPH
Pace Speed:	32 - 41 MPH	28 - 37 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	30 MPH	29 MPH	29 MPH
50th Percentile / Critical Speed:	36 MPH	34 MPH	35 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	1	0	55	X		1	
54	1	0	54	X		1	
53	1	0	53	X		1	
52	1	2	52	X	X X	3	
51	4	1	51	X X X X	X	5	
50	0	0	50			0	
49	2	2	49	X X	X X	4	
48	1	1	48	X	X	2	
47	2	0	47	X X		2	
46	1	2	46	X	X X	3	
45	4	2	45	X X X X	X X	6	*
44	2	6	44	X X	X X X X X X	8	*
43	2	3	43	X X	X X X	5	*
42	3	5	42	X X X	X X X X X	8	P
41	3	4	41	X X X	X X X X	7	A
40	1	1	40	X	X	2	C
39	3	4	39	X X X	X X X X	7	E
38	5	8	38	X X X X X	X X X X X X X X	13	*
37	4	2	37	X X X X	X X	6	*
36	2	3	36	X X	X X X	5	*
35	1	1	35	X	X	2	
34	2	1	34	X X	X	3	
33	1	1	33	X	X	2	
32	1	0	32	X		1	
31	0	0	31			0	
30	0	1	30		X	1	
29	1	0	29	X		1	
28	1	0	28	X		1	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Pioneer Avenue

Between: Occidental Drive - Dearborn Street

Weather: Clear

Date: 10/3/24

Time From: 2:45

Time To: 3:10

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	28%	16%	22%
% In Pace:	58%	76%	67%
% Under Pace:	14%	8%	11%
Average Speed:	42 MPH	41 MPH	42 MPH
Pace Speed:	36 - 45 MPH	36 - 45 MPH	36 - 45 MPH
15th Percentile / Critical Speed:	36 MPH	37 MPH	36 MPH
50th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH
85th Percentile / Critical Speed:	51 MPH	46 MPH	48 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	1	1	46	X	X	2	
45	1	1	45	X	X	2	
44	0	1	44		X	1	
43	2	0	43	X X		2	
42	3	3	42	X X X	X X X	6	*
41	4	2	41	X X X X	X X	6	*
40	5	4	40	X X X X X	X X X X	9	*
39	4	6	39	X X X X	X X X X X X	10	
38	7	8	38	X X X X X X X	X X X X X X X X	15	
37	5	4	37	X X X X X	X X X X	9	
36	4	3	36	X X X X	X X X	7	
35	3	5	35	X X X	X X X X X	8	*
34	1	5	34	X	X X X X X	6	*
33	3	2	33	X X X	X X	5	*
32	2	3	32	X X	X X X	5	
31	2	1	31	X X	X	3	
30	1	0	30	X		1	
29	0	0	29			0	
28	0	0	28			0	
27	0	1	27		X	1	
26	1	0	26	X		1	
25	1	0	25	X		1	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Pioneer Avenue

Between: Orange Street - Occidental Drive

Weather: Clear

Date: 10/3/24

Time From: 2:25

Time To: 2:45

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	6%	7%
% In Pace:	78%	84%	81%
% Under Pace:	14%	10%	12%
Average Speed:	37 MPH	37 MPH	37 MPH
Pace Speed:	33 - 42 MPH	33 - 42 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	33 MPH	34 MPH	33 MPH
50th Percentile / Critical Speed:	38 MPH	38 MPH	38 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	1	0	51	X		1
50	1	0	50	X		1
49	2	0	49	X X		2
48	1	1	48	X	X	2
47	1	0	47	X		1
46	0	1	46		X	1
45	2	1	45	X X	X	3
44	2	0	44	X X		2
43	3	3	43	X X X	X X X	6
42	2	5	42	X X	X X X X X	7
41	4	2	41	X X X X	X X	6
40	4	4	40	X X X X	X X X X	8
39	2	1	39	X X	X	3
38	4	8	38	X X X X	X X X X X X X X	12
37	9	4	37	X X X X X X X X X	X X X X	13
36	0	5	36		X X X X X	5
35	3	4	35	X X X	X X X X	7
34	1	4	34	X	X X X X	5
33	5	2	33	X X X X X	X X	7
32	2	2	32	X X	X X	4
31	0	1	31		X	1
30	1	1	30	X	X	2
29	0	1	29		X	1
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50			GRAND TOTALS	100

Location: Pioneer Avenue

Between: Texas Street - Interstate 210

Weather: Clear

Date: 10/3/24

Time From: 1:45

Time To: 2:05

Existing Speed Limit: 35 MPH

PACE

	Eastbound	Westbound	Combined Statistics
% Over Pace:	26%	6%	19%
% In Pace:	68%	80%	73%
% Under Pace:	6%	14%	8%
Average Speed:	39 MPH	38 MPH	39 MPH
Pace Speed:	33 - 42 MPH	34 - 43 MPH	33 - 42 MPH
15th Percentile / Critical Speed:	33 MPH	34 MPH	33 MPH
50th Percentile / Critical Speed:	38 MPH	38 MPH	38 MPH
85th Percentile / Critical Speed:	45 MPH	42 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	3	44		X X X	3	
43	0	1	43		X	1	
42	1	1	42	X	X	2	
41	0	0	41			0	
40	1	2	40	X	X X	3	
39	6	5	39	X X X X X X	X X X X X	11	*
38	4	3	38	X X X X	X X X	7	*
37	7	4	37	X X X X X X X	X X X X	11	*
36	4	0	36	X X X X		4	
35	3	5	35	X X X	X X X X X	8	
34	3	6	34	X X X	X X X X X X	9	
33	4	3	33	X X X X	X X X	7	
32	6	5	32	X X X X X X	X X X X X	11	*
31	4	4	31	X X X X	X X X X	8	*
30	2	3	30	X X	X X X	5	*
29	3	2	29	X X X	X X	5	
28	1	2	28	X	X X	3	
27	0	0	27			0	
26	1	0	26	X		1	
25	0	0	25			0	
24	0	0	24			0	
23	0	1	23		X	1	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Pioneer Avenue

Between: Texas Street - Orange Street

Weather: Clear

Date: 10/3/24

Time From: 2:05

Time To: 2:25

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	4%	14%	9%
% In Pace:	86%	76%	81%
% Under Pace:	10%	10%	10%
Average Speed:	35 MPH	35 MPH	35 MPH
Pace Speed:	30 - 39 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	31 MPH	30 MPH	30 MPH
50th Percentile / Critical Speed:	35 MPH	34 MPH	34 MPH
85th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound / Westbound	TOT. VEH.
65	0	0	65		0
64	0	0	64		0
63	0	0	63		0
62	0	0	62		0
61	0	0	61		0
60	0	0	60		0
59	0	0	59		0
58	0	0	58		0
57	0	0	57		0
56	0	0	56		0
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	2	0	49	X X	2
48	1	2	48	X — X X	3
47	2	2	47	X X — X X	4
46	2	1	46	X X — X	3
45	3	3	45	X X X — X X X	6
44	5	4	44	X X X X X — X X X X	9
43	4	3	43	X X X X — X X X	7
42	3	5	42	X X X — X X X X X	8
41	6	8	41	X X X X X X — X X X X X X X X	14
40	1	3	40	X — X X X	4
39	4	4	39	X X X X — X X X X	8
38	5	5	38	X X X X X — X X X X X	10
37	2	3	37	X X — X X X	5
36	4	5	36	X X X X — X X X X X	9
35	2	2	35	X X — X X	4
34	1	0	34	X	1
33	1	0	33	X	1
32	0	0	32		0
31	1	0	31	X	1
30	1	0	30	X	1
29	0	0	29		0
28	0	0	28		0
27	0	0	27		0
26	0	0	26		0
25	0	0	25		0
24	0	0	24		0
23	0	0	23		0
22	0	0	22		0
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * *

Location: Redlands Boulevard

Between: California Street - Texas Street

Weather: Clear

Date: 9/26/24

Time From: 9:20

Time To: 9:40

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	14%	10%	12%
% In Pace:	74%	86%	80%
% Under Pace:	12%	4%	8%
Average Speed:	41 MPH	41 MPH	41 MPH
Pace Speed:	36 - 45 MPH	36 - 45 MPH	36 - 45 MPH
15th Percentile / Critical Speed:	36 MPH	37 MPH	36 MPH
50th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH
85th Percentile / Critical Speed:	45 MPH	45 MPH	45 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	1	44		X	1	
43	0	0	43			0	
42	1	5	42	X	X X X X X	6	
41	1	3	41	X	X X X	4	
40	2	1	40	X X	X	3	
39	6	3	39	X X X X X X	X X X	9	*
38	4	5	38	X X X X	X X X X X	9	*
37	1	3	37	X	X X X	4	*
36	8	5	36	X X X X X X X X	X X X X X	13	P
35	5	3	35	X X X X X	X X X	8	A
34	5	4	34	X X X X X	X X X X	9	C
33	2	4	33	X X	X X X X	6	E
32	5	6	32	X X X X X	X X X X X X	11	*
31	2	0	31	X X		2	*
30	5	5	30	X X X X X	X X X X X	10	*
29	1	0	29	X		1	
28	2	1	28	X X	X	3	
27	0	1	27		X	1	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Redlands Boulevard

Between: Citrus Avenue - Highland Avenue

Weather: Clear

Date: 9/26/24

Time From: 1:00

Time To: 1:25

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	20%	14%
% In Pace:	86%	76%	81%
% Under Pace:	6%	4%	5%
Average Speed:	35 MPH	36 MPH	35 MPH
Pace Speed:	30 - 39 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	30 MPH	32 MPH	30 MPH
50th Percentile / Critical Speed:	35 MPH	36 MPH	35 MPH
85th Percentile / Critical Speed:	39 MPH	41 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	0	0	41			0	
40	0	0	40			0	
39	2	0	39	X X		2	
38	0	0	38			0	
37	1	0	37	X		1	
36	1	2	36	X	X X	3	
35	0	3	35		X X X	3	
34	1	1	34	X	X	2	
33	1	3	33	X	X X X	4	*
32	5	5	32	X X X X X	X X X X X	10	*
31	3	8	31	X X X	X X X X X X X X	11	*
30	6	7	30	X X X X X X	X X X X X X X	13	*
29	4	6	29	X X X X	X X X X X X	10	*
28	8	3	28	X X X X X X X X	X X X	11	*
27	5	4	27	X X X X X	X X X X	9	*
26	4	3	26	X X X X	X X X	7	*
25	4	2	25	X X X X	X X	6	*
24	1	2	24	X	X X	3	*
23	3	0	23	X X X		3	
22	1	0	22	X		1	
21	0	1	21		X	1	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Redlands Boulevard

Between: Eureka Street - Citrus Avenue

Weather: Clear

Date: 9/26/24

Time From: 12:30

Time To: 1:00

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	12%	4%	11%
% In Pace:	86%	86%	84%
% Under Pace:	2%	10%	5%
Average Speed:	29 MPH	30 MPH	29 MPH
Pace Speed:	23 - 32 MPH	26 - 35 MPH	24 - 33 MPH
15th Percentile / Critical Speed:	25 MPH	26 MPH	26 MPH
50th Percentile / Critical Speed:	28 MPH	30 MPH	29 MPH
85th Percentile / Critical Speed:	32 MPH	33 MPH	32 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
75	0	0	75			0	
74	0	0	74			0	
73	0	0	73			0	
72	0	0	72			0	
71	0	0	71			0	
70	0	0	70			0	
69	0	0	69			0	
68	0	0	68			0	
67	0	0	67			0	
66	0	0	66			0	
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	1	0	59	X		1	
58	1	0	58	X		1	
57	3	0	57	X X X		3	
56	3	0	56	X X X		3	
55	2	0	55	X X		2	
54	1	7	54	X	X X X X X X X	8	*
53	3	3	53	X X X	X X X	6	*
52	3	4	52	X X X	X X X X	7	*
51	5	2	51	X X X X X	X X	7	*
50	2	4	50	X X	X X X X	6	*
49	4	3	49	X X X X	X X X	7	*
48	6	2	48	X X X X X X	X X	8	*
47	2	4	47	X X	X X X X	6	*
46	2	5	46	X X	X X X X X	7	*
45	3	4	45	X X X	X X X X	7	*
44	1	3	44	X	X X X	4	
43	1	2	43	X	X X	3	
42	1	1	42	X	X	2	
41	2	3	41	X X	X X X	5	
40	3	1	40	X X X	X	4	
39	1	0	39	X		1	
38	0	1	38		X	1	
37	0	1	37		X	1	
36	0	0	36			0	
35	0	0	35			0	
34	0	0	34			0	
33	0	0	33			0	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
Total	50	50			GRAND TOTALS	100	

Location: Redlands Boulevard

Between: Highland Avenue - Ford Street

Weather: Clear

Date: 9/26/24

Time From: 1:25

Time To: 1:45

Existing Speed Limit: 50 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	4%	0%	10%
% In Pace:	64%	76%	69%
% Under Pace:	32%	24%	21%
Average Speed:	49 MPH	48 MPH	49 MPH
Pace Speed:	48 - 57 MPH	45 - 54 MPH	45 - 54 MPH
15th Percentile / Critical Speed:	43 MPH	43 MPH	43 MPH
50th Percentile / Critical Speed:	49 MPH	47 MPH	49 MPH
85th Percentile / Critical Speed:	56 MPH	53 MPH	54 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	1	46	WB: X	1	
45	0	0	45		0	
44	1	4	44	EB: X; WB: X X X X	5	
43	1	0	43	EB: X	1	
42	3	1	42	EB: X X X; WB: X	4	
41	4	3	41	EB: X X X X; WB: X X X	7	*
40	2	7	40	EB: X X; WB: X X X X X X X	9	*
39	1	4	39	EB: X; WB: X X X X	5	*
38	7	4	38	EB: X X X X X X X; WB: X X X X	11	P
37	7	4	37	EB: X X X X X X X; WB: X X X X	11	A
36	8	7	36	EB: X X X X X X X X; WB: X X X X X X X	15	C
35	2	3	35	EB: X X; WB: X X X	5	E
34	2	2	34	EB: X X; WB: X X	4	*
33	4	2	33	EB: X X X X; WB: X X	6	*
32	3	3	32	EB: X X X; WB: X X X	6	*
31	1	2	31	EB: X; WB: X X	3	
30	1	1	30	EB: X; WB: X	2	
29	2	1	29	EB: X X; WB: X	3	
28	0	1	28	WB: X	1	
27	1	0	27	EB: X	1	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Redlands Boulevard

Between: Texas Street - Eureka Street

Weather: Clear

Date: 9/26/24

Time From: 9:00

Time To: 9:20

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	4%	12%	11%
% In Pace:	80%	78%	79%
% Under Pace:	16%	10%	10%
Average Speed:	36 MPH	37 MPH	37 MPH
Pace Speed:	33 - 42 MPH	32 - 41 MPH	32 - 41 MPH
15th Percentile / Critical Speed:	32 MPH	32 MPH	32 MPH
50th Percentile / Critical Speed:	37 MPH	37 MPH	37 MPH
85th Percentile / Critical Speed:	41 MPH	41 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	1	54		X	1	
53	0	0	53			0	
52	0	1	52		X	1	
51	2	3	51	X X	X X X	5	
50	2	0	50	X X		2	
49	2	1	49	X X	X	3	
48	2	0	48	X X		2	
47	1	4	47	X	X X X X	5	*
46	0	2	46		X X	2	*
45	3	2	45	X X X	X X	5	*
44	4	1	44	X X X X	X	5	
43	4	3	43	X X X X	X X X	7	
42	7	5	42	X X X X X X X	X X X X X	12	
41	5	2	41	X X X X X	X X	7	
40	3	5	40	X X X	X X X X X	8	*
39	4	5	39	X X X X	X X X X X	9	*
38	3	3	38	X X X	X X X	6	*
37	1	2	37	X	X X	3	
36	2	2	36	X X	X X	4	
35	0	2	35		X X	2	
34	1	2	34	X	X X	3	
33	1	1	33	X	X	2	
32	2	2	32	X X	X X	4	
31	0	1	31		X	1	
30	1	0	30	X		1	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Reservoir Road

Between: Ford Street - Wabash Avenue

Weather: Clear

Date: 10/1/24

Time From: 11:25

Time To: 12:10

Existing Speed Limit: 50 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	18%	12%	14%
% In Pace:	72%	64%	66%
% Under Pace:	10%	24%	20%
Average Speed:	42 MPH	41 MPH	41 MPH
Pace Speed:	36 - 45 MPH	38 - 47 MPH	38 - 47 MPH
15th Percentile / Critical Speed:	37 MPH	35 MPH	36 MPH
50th Percentile / Critical Speed:	42 MPH	40 MPH	41 MPH
85th Percentile / Critical Speed:	48 MPH	47 MPH	47 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	TOT. VEH.
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	0	45			0
44	1	0	44	X		1
43	1	0	43	X		1
42	0	2	42		X X	2
41	0	1	41		X	1
40	2	1	40	X X	X	3
39	0	2	39		X X	2
38	5	5	38	X X X X X	X X X X X	10
37	2	4	37	X X	X X X X	6
36	3	6	36	X X X	X X X X X X	9
35	1	4	35	X	X X X X	5
34	4	0	34	X X X X		4
33	8	3	33	X X X X X X X X	X X X	11
32	3	2	32	X X X	X X	5
31	1	4	31	X	X X X X	5
30	2	4	30	X X	X X X X	6
29	1	4	29	X	X X X X	5
28	2	3	28	X X	X X X	5
27	4	0	27	X X X X		4
26	3	2	26	X X X	X X	5
25	1	0	25	X		1
24	2	1	24	X X	X	3
23	2	0	23	X X		2
22	1	1	22	X	X	2
21	1	1	21	X	X	2
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
14	0	0	14			0
13	0	0	13			0
12	0	0	12			0
11	0	0	11			0
10	0	0	10			0
9	0	0	9			0
8	0	0	8			0
7	0	0	7			0
6	0	0	6			0
5	0	0	5			0
Total	50	50			GRAND TOTALS	100

PACE * * * * * *

Location: Rossmont Drive

Between: Garden Street - Sunset Drive

Weather: Clear

Date: 9/24/24

Time From: 9:00

Time To: 10:45

Existing Speed Limit: N / P MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	12%	10%
% In Pace:	60%	72%	66%
% Under Pace:	32%	16%	24%
Average Speed:	32 MPH	33 MPH	33 MPH
Pace Speed:	29 - 38 MPH	29 - 38 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	26 MPH	28 MPH	26 MPH
50th Percentile / Critical Speed:	33 MPH	33 MPH	33 MPH
85th Percentile / Critical Speed:	38 MPH	38 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
75	0	0	75			0
74	0	0	74			0
73	0	0	73			0
72	0	0	72			0
71	0	0	71			0
70	0	0	70			0
69	0	0	69			0
68	0	0	68			0
67	0	0	67			0
66	0	0	66			0
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	2	61		X X	2
60	1	0	60	X		1
59	3	2	59	X X X	X X	5
58	3	2	58	X X X	X X	5
57	0	1	57		X	1
56	1	1	56	X	X	2
55	0	2	55		X X	2
54	2	5	54	X X	X X X X X	7
53	2	0	53	X X		2
52	5	4	52	X X X X X	X X X X	9
51	6	3	51	X X X X X X	X X X	9
50	4	5	50	X X X X	X X X X X	9
49	8	2	49	X X X X X X X X	X X	10
48	0	5	48		X X X X X	5
47	5	2	47	X X X X X	X X	7
46	5	4	46	X X X X X	X X X X	9
45	2	6	45	X X	X X X X X X	8
44	1	3	44	X	X X X	4
43	1	1	43	X	X	2
42	1	0	42	X		1
41	0	0	41			0
40	0	0	40			0
39	0	0	39			0
38	0	0	38			0
37	0	0	37			0
36	0	0	36			0
35	0	0	35			0
34	0	0	34			0
33	0	0	33			0
32	0	0	32			0
31	0	0	31			0
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
Total	50	50			GRAND TOTALS	100

PACE * * * * * * *

Location: San Bernardino Avenue

Between: Mountain View Avenue - California Street

Weather: Clear

Date: 10/3/24

Time From: 12:00

Time To: 12:20

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	16%	20%	18%
% In Pace:	78%	72%	75%
% Under Pace:	6%	8%	7%
Average Speed:	50 MPH	50 MPH	50 MPH
Pace Speed:	45 - 54 MPH	45 - 54 MPH	45 - 54 MPH
15th Percentile / Critical Speed:	46 MPH	45 MPH	45 MPH
50th Percentile / Critical Speed:	50 MPH	50 MPH	50 MPH
85th Percentile / Critical Speed:	56 MPH	56 MPH	56 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	1	51		X	1	
50	0	0	50			0	
49	0	1	49		X	1	
48	0	1	48		X	1	
47	0	1	47		X	1	
46	0	0	46			0	
45	3	1	45	X X X	X	4	*
44	1	5	44	X	X X X X X	6	*
43	2	4	43	X X	X X X X	6	*
42	3	5	42	X X X	X X X X X	8	
41	5	4	41	X X X X X	X X X X	9	
40	3	7	40	X X X	X X X X X X X	10	
39	8	6	39	X X X X X X X X	X X X X X X	14	
38	7	6	38	X X X X X X X	X X X X X X	13	*
37	5	2	37	X X X X X	X X	7	*
36	4	3	36	X X X X	X X X	7	*
35	4	0	35	X X X X		4	
34	3	2	34	X X X	X X	5	
33	0	1	33		X	1	
32	2	0	32	X X		2	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: San Bernardino Avenue

Between: Orange Street - University Street

Weather: Clear

Date: 10/3/24

Time From: 3:30

Time To: 3:50

Existing Speed Limit: 40 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	8%	4%
% In Pace:	88%	86%	84%
% Under Pace:	4%	6%	12%
Average Speed:	39 MPH	41 MPH	40 MPH
Pace Speed:	34 - 43 MPH	36 - 45 MPH	36 - 45 MPH
15th Percentile / Critical Speed:	35 MPH	37 MPH	36 MPH
50th Percentile / Critical Speed:	38 MPH	40 MPH	39 MPH
85th Percentile / Critical Speed:	42 MPH	44 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	0	0	56			0	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	1	49		X	1	
48	1	1	48	X	X	2	
47	0	4	47		X X X X	4	
46	2	4	46	X X	X X X X	6	*
45	0	4	45		X X X X	4	*
44	2	4	44	X X	X X X X	6	*
43	1	4	43	X	X X X X	5	*
42	5	2	42	X X X X X	X X	7	*
41	8	6	41	X X X X X X X X	X X X X X X	14	*
40	9	4	40	X X X X X X X X X	X X X X	13	*
39	4	7	39	X X X X	X X X X X X X	11	*
38	5	6	38	X X X X X	X X X X X X	11	*
37	5	2	37	X X X X X	X X	7	*
36	4	1	36	X X X X	X	5	
35	3	0	35	X X X		3	
34	1	0	34	X		1	
33	0	0	33			0	
32	0	0	32			0	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50		GRAND TOTALS		100	

Location: San Bernardino Avenue

Between: Tennessee Street - Orange Street

Weather: Clear

Date: 9/24/24

Time From: 3:40

Time To: 4:00

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	4%	7%
% In Pace:	92%	90%	84%
% Under Pace:	2%	6%	9%
Average Speed:	40 MPH	42 MPH	41 MPH
Pace Speed:	35 - 44 MPH	38 - 47 MPH	37 - 46 MPH
15th Percentile / Critical Speed:	36 MPH	38 MPH	37 MPH
50th Percentile / Critical Speed:	40 MPH	41 MPH	40 MPH
85th Percentile / Critical Speed:	42 MPH	46 MPH	45 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	
				Eastbound / Westbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	1	56	X	1	
55	1	0	55	X	1	
54	1	0	54	X	1	
53	1	1	53	X X	2	
52	2	2	52	X X X X	4	
51	4	2	51	X X X X X X	6	
50	3	1	50	X X X X	4	
49	4	5	49	X X X X X X X X X	9	*
48	4	5	48	X X X X X X X X X	9	*
47	2	5	47	X X X X X X X	7	*
46	6	4	46	X X X X X X X X X X	10	P
45	0	5	45	X X X X X	5	A
44	3	7	44	X X X X X X X X X X	10	C
43	3	1	43	X X X X	4	E
42	1	2	42	X X X	3	*
41	4	3	41	X X X X X X X	7	*
40	4	3	40	X X X X X X X	7	*
39	2	1	39	X X X	3	
38	1	2	38	X X X	3	
37	0	0	37		0	
36	3	0	36	X X X	3	
35	0	0	35		0	
34	0	0	34		0	
33	1	0	33	X	1	
32	0	0	32		0	
31	0	0	31		0	
30	0	0	30		0	
29	0	0	29		0	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: San Bernardino Avenue

Between: University Street - Wabash Avenue

Weather: Clear

Date: 10/3/24

Time From: 3:10

Time To: 3:30

Existing Speed Limit: 45 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	14%	19%
% In Pace:	62%	80%	71%
% Under Pace:	32%	6%	10%
Average Speed:	45 MPH	46 MPH	45 MPH
Pace Speed:	43 - 52 MPH	40 - 49 MPH	40 - 49 MPH
15th Percentile / Critical Speed:	40 MPH	41 MPH	40 MPH
50th Percentile / Critical Speed:	46 MPH	46 MPH	46 MPH
85th Percentile / Critical Speed:	51 MPH	49 MPH	50 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed		TOT. VEH.	
				Northbound	Southbound		
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	1	0	47	X		1	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	1	0	43	X		1	
42	4	0	42	X X X X		4	
41	1	0	41	X		1	
40	6	3	40	X X X X X X	X X X	9	*
39	7	4	39	X X X X X X X	X X X X	11	*
38	8	4	38	X X X X X X X X	X X X X	12	*
37	3	7	37	X X X	X X X X X X X	10	P
36	4	7	36	X X X X	X X X X X X X	11	A
35	3	6	35	X X X	X X X X X X	9	C
34	5	4	34	X X X X X	X X X X	9	E
33	2	6	33	X X	X X X X X X	8	*
32	2	4	32	X X	X X X X	6	*
31	3	2	31	X X X	X X	5	*
30	0	2	30		X X	2	
29	0	1	29		X	1	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: San Mateo Street

Between: Brookside Avenue - Fern Avenue

Weather: Clear

Date: 10/8/24

Time From: 11:10

Time To: 11:30

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	4%	0%	7%
% In Pace:	86%	94%	90%
% Under Pace:	10%	6%	3%
Average Speed:	37 MPH	35 MPH	36 MPH
Pace Speed:	33 - 42 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	34 MPH	32 MPH	33 MPH
50th Percentile / Critical Speed:	38 MPH	35 MPH	36 MPH
85th Percentile / Critical Speed:	40 MPH	38 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	2	45		X X	2	
44	0	0	44			0	
43	1	0	43	X		1	
42	1	3	42	X	X X X	4	
41	3	2	41	X X X	X X	5	
40	0	0	40			0	
39	5	1	39	X X X X X	X	6	*
38	3	4	38	X X X	X X X X	7	*
37	5	3	37	X X X X X	X X X	8	*
36	3	3	36	X X X	X X X	6	P
35	6	3	35	X X X X X X	X X X	9	A
34	7	4	34	X X X X X X X	X X X X	11	C
33	3	4	33	X X X	X X X X	7	E
32	5	5	32	X X X X X	X X X X X	10	*
31	5	6	31	X X X X X	X X X X X X	11	*
30	0	4	30		X X X X	4	*
29	2	0	29	X X		2	
28	1	3	28	X	X X X	4	
27	0	2	27		X X	2	
26	0	1	26		X	1	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: San Mateo Street

Between: Fern Avenue - Highland Avenue

Weather: Clear

Date: 10/8/24

Time From: 10:25

Time To: 10:45

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	14%	12%
% In Pace:	84%	74%	79%
% Under Pace:	6%	12%	9%
Average Speed:	35 MPH	34 MPH	35 MPH
Pace Speed:	31 - 40 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	31 MPH	30 MPH	31 MPH
50th Percentile / Critical Speed:	35 MPH	33 MPH	34 MPH
85th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	1	1	48	X	X	2
47	1	2	47	X	X X	3
46	1	0	46	X		1
45	2	1	45	X X	X	3
44	3	2	44	X X X	X X	5
43	2	5	43	X X	X X X X X	7
42	4	5	42	X X X X	X X X X X	9
41	4	5	41	X X X X	X X X X X	9
40	6	5	40	X X X X X X	X X X X X	11
39	6	1	39	X X X X X X	X	7
38	3	7	38	X X X	X X X X X X X	10
37	6	2	37	X X X X X X	X X	8
36	3	3	36	X X X	X X X	6
35	5	4	35	X X X X X	X X X X	9
34	2	2	34	X X	X X	4
33	1	3	33	X	X X X	4
32	0	1	32		X	1
31	0	1	31		X	1
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50			GRAND TOTALS	100

PACE * * * * * *

Location: San Timoteo Canyon Road

Between: Fern Avenue - Barton Road

Weather: Clear

Date: 10/8/24

Time From: 12:20

Time To: 12:40

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	8%	9%
% In Pace:	84%	78%	81%
% Under Pace:	6%	14%	10%
Average Speed:	40 MPH	39 MPH	39 MPH
Pace Speed:	35 - 44 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	35 MPH	35 MPH	35 MPH
50th Percentile / Critical Speed:	39 MPH	40 MPH	39 MPH
85th Percentile / Critical Speed:	44 MPH	43 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT.
				Northbound / Southbound	VEH.
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	0	0	40		0
39	0	0	39		0
38	0	0	38		0
37	0	0	37		0
36	0	0	36		0
35	0	0	35		0
34	3	0	34	X X X	3
33	2	0	33	X X	2
32	1	0	32	X	1
31	3	0	31	X X X	3
30	3	2	30	X X X / X X	5
29	3	0	29	X X X	3
28	1	2	28	X / X X	3
27	5	3	27	X X X X X / X X X	8
26	3	2	26	X X X / X X	5
25	8	7	25	X X X X X X X X / X X X X X X X	15
24	5	7	24	X X X X X / X X X X X X X	12
23	4	8	23	X X X X / X X X X X X X	12
22	1	2	22	X / X X	3
21	1	5	21	X / X X X X X	6
20	2	3	20	X X / X X X	5
19	1	2	19	X / X X	3
18	1	1	18	X / X	2
17	2	2	17	X X / X X	4
16	0	1	16	/ X	1
15	0	0	15		0
14	0	1	14	/ X	1
13	1	1	13	X / X	2
12	0	0	12		0
11	0	1	11	/ X	1
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: Sunnyside Avenue

Between: Cypress Avenue - Smiley Heights Drive

Weather: Clear

Date: 9/26/24

Time From: 9:00

Time To: 1:35

Existing Speed Limit: N / P MPH

PACE *

	Northbound	Southbound	Combined Statistics
% Over Pace:	10%	4%	9%
% In Pace:	72%	82%	72%
% Under Pace:	18%	14%	19%
Average Speed:	26 MPH	23 MPH	24 MPH
Pace Speed:	23 - 32 MPH	19 - 28 MPH	21 - 30 MPH
15th Percentile / Critical Speed:	21 MPH	19 MPH	20 MPH
50th Percentile / Critical Speed:	25 MPH	23 MPH	24 MPH
85th Percentile / Critical Speed:	31 MPH	26 MPH	29 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed		TOT. VEH.		PACE
				Northbound	Southbound			
55	0	0	55			0		
54	0	0	54			0		
53	0	0	53			0		
52	0	0	52			0		
51	0	0	51			0		
50	0	0	50			0		
49	0	0	49			0		
48	0	0	48			0		
47	0	0	47			0		
46	0	0	46			0		
45	0	0	45			0		
44	0	0	44			0		
43	0	0	43			0		
42	0	0	42			0		
41	0	0	41			0		
40	0	0	40			0		
39	0	0	39			0		
38	0	0	38			0		
37	0	1	37		X	1		
36	0	1	36		X	1		
35	0	1	35		X	1		
34	0	0	34			0		
33	1	2	33	X	X X	3		
32	1	1	32	X	X	2		
31	1	3	31	X	X X X	4		
30	0	2	30		X X	2		
29	6	2	29	X X X X X X	X X	8	*	
28	5	2	28	X X X X X	X X	7	*	
27	5	5	27	X X X X X	X X X X X	10	*	
26	3	4	26	X X X	X X X X	7		P
25	4	4	25	X X X X	X X X X	8		A
24	2	3	24	X X	X X X	5		C
23	4	4	23	X X X X	X X X X	8		E
22	1	2	22	X	X X	3	*	
21	2	3	21	X X	X X X	5	*	
20	6	2	20	X X X X X X	X X	8	*	
19	2	0	19	X X		2		
18	2	2	18	X X	X X	4		
17	2	3	17	X X	X X X	5		
16	0	1	16		X	1		
15	1	1	15	X	X	2		
14	0	0	14			0		
13	1	1	13	X	X	2		
12	1	0	12	X		1		
11	0	0	11			0		
10	0	0	10			0		
9	0	0	9			0		
8	0	0	8			0		
7	0	0	7			0		
6	0	0	6			0		
5	0	0	5			0		
Total	50	50			GRAND TOTALS	100		

Location: Sunnyside Avenue

Between: Fern Avenue - Cypress Avenue

Weather: Clear

Date: 9/26/24

Time From: 9:00

Time To: 12:50

Existing Speed Limit: 20 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	12%	14%
% In Pace:	76%	62%	69%
% Under Pace:	18%	26%	17%
Average Speed:	24 MPH	25 MPH	24 MPH
Pace Speed:	20 - 29 MPH	22 - 31 MPH	20 - 29 MPH
15th Percentile / Critical Speed:	19 MPH	18 MPH	18 MPH
50th Percentile / Critical Speed:	25 MPH	25 MPH	25 MPH
85th Percentile / Critical Speed:	29 MPH	31 MPH	29 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound	Vehicles Surveyed — Westbound	TOT. VEH.
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	0	45			0
44	0	0	44			0
43	0	0	43			0
42	0	0	42			0
41	0	0	41			0
40	0	0	40			0
39	0	2	39		X X	2
38	0	0	38			0
37	0	0	37			0
36	1	0	36	X		1
35	0	2	35		X X	2
34	1	5	34	X	X X X X X	6
33	1	2	33	X	X X	3
32	1	1	32	X	X	2
31	1	4	31	X	X X X X	5
30	1	2	30	X	X X	3
29	3	5	29	X X X	X X X X X	8
28	8	5	28	X X X X X X X X	X X X X X	13
27	9	4	27	X X X X X X X X X	X X X X	13
26	3	3	26	X X X	X X X	6
25	9	3	25	X X X X X X X X X	X X X	12
24	3	2	24	X X X	X X	5
23	2	2	23	X X	X X	4
22	3	4	22	X X X	X X X X	7
21	0	2	21		X X	2
20	2	2	20	X X	X X	4
19	0	0	19			0
18	2	0	18	X X		2
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
14	0	0	14			0
13	0	0	13			0
12	0	0	12			0
11	0	0	11			0
10	0	0	10			0
9	0	0	9			0
8	0	0	8			0
7	0	0	7			0
6	0	0	6			0
5	0	0	5			0
Total	50	50			GRAND TOTALS	100

Location: Sunset Drive South

Between: Alessandro Drive - Ridge Street

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 12:35

Existing Speed Limit: 25 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	8%	16%
% In Pace:	84%	68%	76%
% Under Pace:	8%	24%	8%
Average Speed:	26 MPH	28 MPH	27 MPH
Pace Speed:	22 - 31 MPH	25 - 34 MPH	22 - 31 MPH
15th Percentile / Critical Speed:	23 MPH	22 MPH	22 MPH
50th Percentile / Critical Speed:	27 MPH	28 MPH	27 MPH
85th Percentile / Critical Speed:	29 MPH	34 MPH	32 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	VEH.
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	0	45			0
44	0	0	44			0
43	0	0	43			0
42	0	0	42			0
41	0	0	41			0
40	0	0	40			0
39	0	0	39			0
38	0	0	38			0
37	0	0	37			0
36	0	0	36			0
35	0	0	35			0
34	0	0	34			0
33	0	1	33		X	1
32	0	2	32		X X	2
31	0	5	31		X X X X X	5
30	1	3	30	X	X X X	4
29	1	4	29	X	X X X X	5
28	0	3	28		X X X	3
27	1	6	27	X	X X X X X X	7
26	1	4	26	X	X X X X	5
25	3	5	25	X X X	X X X X X	8
24	3	3	24	X X X	X X X	6
23	5	3	23	X X X X X	X X X	8
22	11	1	22	X X X X X X X X X X X	X	12
21	4	1	21	X X X X	X	5
20	9	3	20	X X X X X X X X X	X X X	12
19	5	3	19	X X X X X	X X X	8
18	0	2	18		X X	2
17	3	0	17	X X X		3
16	3	0	16	X X X		3
15	0	0	15			0
14	0	1	14		X	1
13	0	0	13			0
12	0	0	12			0
11	0	0	11			0
10	0	0	10			0
9	0	0	9			0
8	0	0	8			0
7	0	0	7			0
6	0	0	6			0
5	0	0	5			0
Total	50	50			GRAND TOTALS	100

Location: Sunset Drive North

Between: Alta Vista Drive - Panorama Point Drive

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 1:15

Existing Speed Limit: 30 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	2%	17%
% In Pace:	92%	76%	74%
% Under Pace:	0%	22%	9%
Average Speed:	21 MPH	26 MPH	24 MPH
Pace Speed:	16 - 25 MPH	23 - 32 MPH	19 - 28 MPH
15th Percentile / Critical Speed:	19 MPH	20 MPH	19 MPH
50th Percentile / Critical Speed:	22 MPH	26 MPH	23 MPH
85th Percentile / Critical Speed:	24 MPH	31 MPH	29 MPH

PACE * * * * * *

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed — Eastbound / Westbound	TOT. VEH.
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	0	0	40		0
39	0	1	39	X	1
38	0	0	38		0
37	0	2	37	X X	2
36	0	0	36		0
35	1	0	35	X	1
34	0	3	34	X X X	3
33	0	1	33	X	1
32	0	5	32	X X X X X	5
31	1	3	31	X X X X	4
30	1	4	30	X X X X X	5
29	4	6	29	X X X X X X X X X X	10
28	4	5	28	X X X X X X X X X	9
27	5	4	27	X X X X X X X X X	9
26	6	4	26	X X X X X X X X X X	10
25	8	5	25	X X X X X X X X X X X X X	13
24	4	4	24	X X X X X X X X	8
23	4	1	23	X X X X X	5
22	4	1	22	X X X X X	5
21	3	0	21	X X X	3
20	3	1	20	X X X X	4
19	1	0	19	X	1
18	1	0	18	X	1
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: Sunset Drive North

Between: Ford Street - Franklin Avenue

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 11:20

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	12%	8%
% In Pace:	90%	82%	78%
% Under Pace:	4%	6%	14%
Average Speed:	25 MPH	29 MPH	27 MPH
Pace Speed:	20 - 29 MPH	24 - 33 MPH	23 - 32 MPH
15th Percentile / Critical Speed:	21 MPH	25 MPH	23 MPH
50th Percentile / Critical Speed:	25 MPH	28 MPH	26 MPH
85th Percentile / Critical Speed:	28 MPH	32 MPH	31 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	0	45			0
44	0	0	44			0
43	0	0	43			0
42	0	0	42			0
41	0	0	41			0
40	0	0	40			0
39	0	0	39			0
38	0	0	38			0
37	0	0	37			0
36	0	0	36			0
35	1	2	35	X	X X	3
34	1	1	34	X	X	2
33	1	0	33	X		1
32	2	1	32	X X	X	3
31	2	1	31	X X	X	3
30	4	3	30	X X X X	X X X	7
29	5	3	29	X X X X X	X X X	8
28	2	2	28	X X	X X	4
27	5	4	27	X X X X X	X X X X	9
26	8	1	26	X X X X X X X X	X	9
25	3	5	25	X X X	X X X X X	8
24	4	9	24	X X X X	X X X X X X X X	13
23	4	1	23	X X X X	X	5
22	2	4	22	X X	X X X X	6
21	2	5	21	X X	X X X X X	7
20	3	4	20	X X X	X X X X	7
19	0	0	19			0
18	0	1	18		X	1
17	0	2	17		X X	2
16	1	1	16	X	X	2
15	0	0	15			0
14	0	0	14			0
13	0	0	13			0
12	0	0	12			0
11	0	0	11			0
10	0	0	10			0
9	0	0	9			0
8	0	0	8			0
7	0	0	7			0
6	0	0	6			0
5	0	0	5			0
Total	50	50			GRAND TOTALS	100

Location: Sunset Drive South

Between: Helen Drive - Alta Vista Drive

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 11:20

Existing Speed Limit: N / P MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	16%	12%
% In Pace:	78%	76%	76%
% Under Pace:	16%	8%	12%
Average Speed:	26 MPH	25 MPH	26 MPH
Pace Speed:	23 - 32 MPH	20 - 29 MPH	21 - 30 MPH
15th Percentile / Critical Speed:	22 MPH	20 MPH	21 MPH
50th Percentile / Critical Speed:	26 MPH	24 MPH	25 MPH
85th Percentile / Critical Speed:	30 MPH	30 MPH	30 MPH

* PACE *

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	0	0	45			0	
44	0	0	44			0	
43	0	0	43			0	
42	0	0	42			0	
41	0	0	41			0	
40	0	0	40			0	
39	0	0	39			0	
38	0	0	38			0	
37	2	0	37	X X		2	
36	0	0	36			0	
35	0	0	35			0	
34	1	0	34	X		1	
33	1	0	33	X		1	
32	1	0	32	X		1	
31	3	0	31	X X X		3	
30	1	0	30	X		1	
29	2	1	29	X X	X	3	
28	2	2	28	X X	X X	4	
27	3	0	27	X X X		3	
26	4	2	26	X X X X	X X	6	*
25	3	5	25	X X X	X X X X X	8	*
24	4	5	24	X X X X	X X X X X	9	*
23	6	1	23	X X X X X X	X	7	P
22	7	9	22	X X X X X X X	X X X X X X X X X	16	A
21	7	7	21	X X X X X X X	X X X X X X X	14	C
20	1	2	20	X	X X	3	E
19	1	4	19	X	X X X X	5	*
18	1	3	18	X	X X X	4	*
17	0	4	17		X X X X	4	*
16	0	2	16		X X	2	
15	0	3	15		X X X	3	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Sunset Drive North

Between: Panorama Point Drive - Wabash Avenue

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 1:55

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	16%	6%	19%
% In Pace:	78%	84%	76%
% Under Pace:	6%	10%	5%
Average Speed:	25 MPH	21 MPH	23 MPH
Pace Speed:	21 - 30 MPH	17 - 26 MPH	17 - 26 MPH
15th Percentile / Critical Speed:	21 MPH	17 MPH	19 MPH
50th Percentile / Critical Speed:	24 MPH	21 MPH	22 MPH
85th Percentile / Critical Speed:	31 MPH	25 MPH	28 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE *
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	0	44		0	
43	0	0	43		0	
42	0	0	42		0	
41	0	0	41		0	
40	0	0	40		0	
39	0	0	39		0	
38	0	0	38		0	
37	0	0	37		0	
36	0	0	36		0	
35	0	0	35		0	
34	0	0	34		0	
33	0	0	33		0	
32	0	0	32		0	
31	0	0	31		0	
30	0	0	30		0	
29	0	3	29	X X X	3	
28	0	0	28		0	
27	0	6	27	X X X X X X	6	
26	0	5	26	X X X X X	5	
25	0	7	25	X X X X X X X	7	
24	0	6	24	X X X X X X	6	*
23	0	6	23	X X X X X X	6	*
22	0	5	22	X X X X X	5	*
21	0	4	21	X X X X	4	
20	1	4	20	X / X X X X	5	
19	2	1	19	X X / X	3	
18	7	0	18	X X X X X X X	7	
17	10	1	17	X X X X X X X X X X / X	11	*
16	6	1	16	X X X X X X / X	7	*
15	12	1	15	X X X X X X X X X X X X / X	13	*
14	5	0	14	X X X X X	5	
13	4	0	13	X X X X	4	
12	1	0	12	X	1	
11	2	0	11	X X	2	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Sunset Drive South

Between: Ridge Street - Helen Drive

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 12:15

Existing Speed Limit: N / P MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	0%	0%	21%
% In Pace:	100%	92%	67%
% Under Pace:	0%	8%	12%
Average Speed:	16 MPH	24 MPH	20 MPH
Pace Speed:	11 - 20 MPH	20 - 29 MPH	15 - 24 MPH
15th Percentile / Critical Speed:	14 MPH	20 MPH	15 MPH
50th Percentile / Critical Speed:	16 MPH	24 MPH	18 MPH
85th Percentile / Critical Speed:	18 MPH	27 MPH	25 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.
				Eastbound / Westbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	0	0	40		0
39	0	0	39		0
38	0	0	38		0
37	0	0	37		0
36	0	0	36		0
35	1	2	35	X / X X	3
34	1	1	34	X / X	2
33	1	0	33	X	1
32	2	1	32	X X / X	3
31	2	1	31	X X / X	3
30	4	3	30	X X X X / X X X	7
29	5	3	29	X X X X X / X X X	8
28	2	2	28	X X / X X	4
27	5	4	27	X X X X X / X X X X	9
26	8	1	26	X X X X X X X X / X	9
25	3	5	25	X X X / X X X X X	8
24	4	9	24	X X X X / X X X X X X X X	13
23	4	1	23	X X X X / X	5
22	2	4	22	X X / X X X X	6
21	2	5	21	X X / X X X X X	7
20	3	4	20	X X X / X X X X	7
19	0	0	19		0
18	0	1	18	X	1
17	0	2	17	X X	2
16	1	1	16	X / X	2
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: Sunset Drive South

Between: Serpentine Drive - Alessandro Drive

Weather: Clear

Date: 9/25/24

Time From: 9:10

Time To: 3:55

Existing Speed Limit: N / P MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	16%	12%
% In Pace:	78%	76%	76%
% Under Pace:	16%	8%	12%
Average Speed:	26 MPH	25 MPH	26 MPH
Pace Speed:	23 - 32 MPH	20 - 29 MPH	21 - 30 MPH
15th Percentile / Critical Speed:	22 MPH	20 MPH	21 MPH
50th Percentile / Critical Speed:	26 MPH	24 MPH	25 MPH
85th Percentile / Critical Speed:	30 MPH	30 MPH	30 MPH

PACE

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Eastbound / Westbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	0	44		0	
43	0	0	43		0	
42	0	0	42		0	
41	0	0	41		0	
40	2	2	40	X X X X	4	
39	1	2	39	X X X	3	
38	2	0	38	X X	2	
37	1	2	37	X X X	3	
36	3	2	36	X X X X X	5	*
35	6	0	35	X X X X X X	6	*
34	4	7	34	X X X X X X X X X X X	11	*
33	6	7	33	X X X X X X X X X X X X X	13	P
32	7	6	32	X X X X X X X X X X X X X	13	A
31	5	5	31	X X X X X X X X X X	10	C
30	6	7	30	X X X X X X X X X X X X X	13	E
29	2	3	29	X X X X X	5	*
28	1	2	28	X X X X	3	*
27	1	3	27	X X X X	4	*
26	2	0	26	X X X X	2	
25	0	1	25	X	1	
24	0	0	24		0	
23	1	1	23	X X	2	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Sunset Drive North

Between: Wabash Avenue - Ford Street

Weather: Clear

Date: 10/1/24

Time From: 12:10

Time To: 1:10

Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	6%	12%	12%
% In Pace:	84%	84%	83%
% Under Pace:	10%	4%	5%
Average Speed:	33 MPH	32 MPH	32 MPH
Pace Speed:	29 - 38 MPH	27 - 36 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	30 MPH	29 MPH	29 MPH
50th Percentile / Critical Speed:	32 MPH	32 MPH	32 MPH
85th Percentile / Critical Speed:	36 MPH	36 MPH	36 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	TOT. VEH.
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	1	50		X	1
49	0	1	49		X	1
48	2	1	48	X X	X	3
47	1	1	47	X	X	2
46	0	1	46		X	1
45	2	1	45	X X	X	3
44	2	3	44	X X	X X X	5
43	4	2	43	X X X X	X X	6
42	3	2	42	X X X	X X	5
41	4	5	41	X X X X	X X X X X	9
40	4	8	40	X X X X	X X X X X X X X	12
39	9	0	39	X X X X X X X X X		9
38	7	7	38	X X X X X X X	X X X X X X X	14
37	2	3	37	X X	X X X	5
36	5	5	36	X X X X X	X X X X X	10
35	2	6	35	X X	X X X X X X	8
34	3	2	34	X X X	X X	5
33	0	1	33		X	1
32	0	0	32			0
31	0	0	31			0
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50			GRAND TOTALS	100

PACE * * * * * *

Location: Tennessee Street

Between: Colton Avenue - Brookside Avenue

Weather: Clear

Date: 9/26/24

Time From: 11:30

Time To: 11:50

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	12%	11%
% In Pace:	86%	82%	83%
% Under Pace:	0%	6%	6%
Average Speed:	40 MPH	40 MPH	40 MPH
Pace Speed:	34 - 43 MPH	35 - 44 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	36 MPH	35 MPH	36 MPH
50th Percentile / Critical Speed:	39 MPH	40 MPH	39 MPH
85th Percentile / Critical Speed:	43 MPH	44 MPH	44 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

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City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	TOT. VEH.	PACE
65	0	0	65			0	
64	0	0	64			0	
63	0	0	63			0	
62	0	0	62			0	
61	0	0	61			0	
60	0	0	60			0	
59	0	0	59			0	
58	0	0	58			0	
57	0	0	57			0	
56	1	0	56	X		1	
55	0	0	55			0	
54	3	0	54	X X X		3	
53	1	0	53	X		1	
52	2	2	52	X X	X X	4	
51	0	1	51		X	1	
50	3	2	50	X X X	X X	5	
49	1	4	49	X	X X X X	5	
48	1	4	48	X	X X X X	5	
47	3	3	47	X X X	X X X	6	*
46	1	0	46	X		1	*
45	4	3	45	X X X X	X X X	7	*
44	2	5	44	X X	X X X X X	7	P
43	7	3	43	X X X X X X X	X X X	10	A
42	3	6	42	X X X	X X X X X X	9	C
41	3	6	41	X X X	X X X X X X	9	E
40	2	2	40	X X	X X	4	*
39	3	4	39	X X X	X X X X	7	*
38	5	3	38	X X X X X	X X X	8	*
37	1	0	37	X		1	
36	1	1	36	X	X	2	
35	2	1	35	X X	X	3	
34	0	0	34			0	
33	0	0	33			0	
32	1	0	32	X		1	
31	0	0	31			0	
30	0	0	30			0	
29	0	0	29			0	
28	0	0	28			0	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
Total	50	50			GRAND TOTALS	100	

Location: Terracina Boulevard

Between: Barton Road - Olive Avenue

Weather: Clear

Date: 10/8/24

Time From: 12:00

Time To: 12:20

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	24%	6%	25%
% In Pace:	66%	72%	68%
% Under Pace:	10%	22%	7%
Average Speed:	44 MPH	44 MPH	44 MPH
Pace Speed:	38 - 47 MPH	41 - 50 MPH	38 - 47 MPH
15th Percentile / Critical Speed:	38 MPH	39 MPH	38 MPH
50th Percentile / Critical Speed:	43 MPH	43 MPH	43 MPH
85th Percentile / Critical Speed:	50 MPH	49 MPH	49 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	1	0	49	X	1	
48	0	0	48		0	
47	1	0	47	X	1	
46	2	0	46	X X	2	
45	2	0	45	X X	2	
44	0	1	44	X	1	
43	3	0	43	X X X	3	
42	3	0	42	X X X	3	
41	3	2	41	X X X X X	5	
40	3	4	40	X X X X X X X	7	*
39	7	2	39	X X X X X X X X X	9	*
38	3	5	38	X X X X X X X X	8	*
37	4	6	37	X X X X X X X X X X	10	PACE
36	1	4	36	X X X X X	5	
35	6	2	35	X X X X X X X X	8	
34	3	6	34	X X X X X X X X X	9	
33	2	3	33	X X X X X	5	*
32	0	3	32	X X X	3	*
31	2	5	31	X X X X X X X	7	*
30	0	0	30		0	
29	0	4	29	X X X X	4	
28	1	2	28	X X X	3	
27	2	0	27	X X	2	
26	1	0	26	X	1	
25	0	1	25	X	1	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Terracina Boulevard

Between: Olive Avenue - Cypress Avenue

Weather: Clear

Date: 10/8/24

Time From: 11:30

Time To: 12:00

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	12%	6%	18%
% In Pace:	72%	80%	71%
% Under Pace:	16%	14%	11%
Average Speed:	38 MPH	35 MPH	36 MPH
Pace Speed:	34 - 43 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	33 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	38 MPH	35 MPH	37 MPH
85th Percentile / Critical Speed:	43 MPH	39 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Northbound	Southbound	TOT. VEH.
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	1	48		X	1
47	1	0	47	X		1
46	0	2	46		X X	2
45	3	1	45	X X X	X	4
44	2	2	44	X X	X X	4
43	2	5	43	X X	X X X X X	7
42	5	2	42	X X X X X	X X	7
41	3	8	41	X X X	X X X X X X X X	11
40	4	5	40	X X X X	X X X X X	9
39	3	4	39	X X X	X X X X	7
38	6	4	38	X X X X X X	X X X X	10
37	7	4	37	X X X X X X X	X X X X	11
36	2	4	36	X X	X X X X	6
35	4	1	35	X X X X	X	5
34	1	2	34	X	X X	3
33	1	3	33	X	X X X	4
32	2	0	32	X X		2
31	0	1	31		X	1
30	3	0	30	X X X		3
29	0	1	29		X	1
28	1	0	28	X		1
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
14	0	0	14			0
13	0	0	13			0
12	0	0	12			0
11	0	0	11			0
10	0	0	10			0
9	0	0	9			0
8	0	0	8			0
7	0	0	7			0
6	0	0	6			0
5	0	0	5			0
Total	50	50			GRAND TOTALS	100

PACE * * * * * * * * *

Location: Texas Street

Between: Lugonia Avenue - San Bernardino Avenue

Weather: Clear

Date: 9/24/24

Time From: 11:30

Time To: 11:55

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	6%	8%
% In Pace:	76%	78%	77%
% Under Pace:	16%	16%	15%
Average Speed:	38 MPH	39 MPH	39 MPH
Pace Speed:	35 - 44 MPH	36 - 45 MPH	35 - 44 MPH
15th Percentile / Critical Speed:	34 MPH	35 MPH	34 MPH
50th Percentile / Critical Speed:	38 MPH	40 MPH	39 MPH
85th Percentile / Critical Speed:	43 MPH	43 MPH	43 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	1	46	X	1	
45	0	0	45		0	
44	2	0	44	X X	2	
43	1	1	43	X X	2	
42	2	2	42	X X X X	4	
41	2	1	41	X X X	3	
40	3	2	40	X X X X X	5	*
39	2	3	39	X X X X X	5	*
38	3	5	38	X X X X X X X X	8	*
37	5	7	37	X X X X X X X X X X X X	12	PACE *
36	5	1	36	X X X X X X	6	
35	6	7	35	X X X X X X X X X X X X X	13	
34	6	7	34	X X X X X X X X X X X X X	13	
33	2	2	33	X X X X	4	*
32	2	2	32	X X X X	4	*
31	4	4	31	X X X X X X X X	8	*
30	2	1	30	X X X	3	
29	2	2	29	X X X X	4	
28	0	1	28	X	1	
27	0	0	27		0	
26	1	1	26	X X	2	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Texas Street

Between: Redlands Boulevard - Lugonia Avenue

Weather: Clear

Date: 9/24/24

Time From: 9:00

Time To: 9:20

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	10%	12%
% In Pace:	76%	80%	78%
% Under Pace:	10%	10%	10%
Average Speed:	36 MPH	36 MPH	36 MPH
Pace Speed:	31 - 40 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	31 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	35 MPH	35 MPH	35 MPH
85th Percentile / Critical Speed:	40 MPH	39 MPH	40 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	1	0	49	X	1	
48	0	1	48	X	1	
47	1	1	47	X X	2	
46	1	0	46	X	1	
45	1	2	45	X X X	3	
44	0	2	44	X X	2	
43	2	1	43	X X X	3	
42	2	3	42	X X X X X	5	
41	2	3	41	X X X X X	5	
40	4	2	40	X X X X X X	6	*
39	8	4	39	X X X X X X X X X X X X	12	*
38	4	2	38	X X X X X X	6	*
37	3	5	37	X X X X X X X X	8	P
36	2	5	36	X X X X X X X	7	A
35	5	3	35	X X X X X X X X	8	C
34	4	3	34	X X X X X X X	7	E
33	3	2	33	X X X X X	5	*
32	2	3	32	X X X X X	5	*
31	3	3	31	X X X X X X	6	*
30	2	0	30	X X	2	
29	0	1	29	X	1	
28	0	3	28	X X X	3	
27	0	0	27		0	
26	0	1	26	X	1	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Texas Street

Between: San Bernardino Avenue - Domestic Avenue

Weather: Clear

Date: 9/24/24

Time From: 11:55

Time To: 12:20

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	20%	14%	23%
% In Pace:	76%	64%	70%
% Under Pace:	4%	22%	7%
Average Speed:	37 MPH	37 MPH	37 MPH
Pace Speed:	31 - 40 MPH	33 - 42 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	33 MPH	31 MPH	32 MPH
50th Percentile / Critical Speed:	38 MPH	37 MPH	37 MPH
85th Percentile / Critical Speed:	42 MPH	42 MPH	42 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	1	0	45	X	1	
44	0	1	44	X	1	
43	0	0	43		0	
42	0	1	42	X	1	
41	1	2	41	X X	3	
40	2	1	40	X X X	3	
39	2	2	39	X X X X	4	*
38	4	1	38	X X X X X	5	*
37	9	4	37	X X X X X X X X X X X X X	13	*
36	7	6	36	X X X X X X X X X X X X X	13	P
35	8	10	35	X X X X X X X X X X X X X X X X X X	18	A
34	4	3	34	X X X X X X X	7	C
33	4	3	33	X X X X X X X	7	E
32	2	4	32	X X X X X X	6	*
31	2	8	31	X X X X X X X X X X	10	*
30	3	2	30	X X X X X	5	*
29	1	1	29	X X	2	
28	0	0	28		0	
27	0	1	27	X	1	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: University Street

Between: Colton Avenue - Lugonia Avenue

Weather: Clear

Date: 9/24/24

Time From: 1:20

Time To: 1:40

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	10%	9%
% In Pace:	90%	86%	88%
% Under Pace:	2%	4%	3%
Average Speed:	35 MPH	35 MPH	35 MPH
Pace Speed:	30 - 39 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	32 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	36 MPH	35 MPH	35 MPH
85th Percentile / Critical Speed:	38 MPH	38 MPH	38 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	PACE
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	0	47			0	
46	0	0	46			0	
45	1	0	45	X		1	
44	0	1	44		X	1	
43	0	0	43			0	
42	1	1	42	X	X	2	
41	1	2	41	X	X X	3	
40	1	1	40	X	X	2	*
39	4	3	39	X X X X	X X X	7	*
38	6	5	38	X X X X X X	X X X X X	11	*
37	5	9	37	X X X X X	X X X X X X X X X	14	P
36	5	7	36	X X X X X	X X X X X X X	12	A
35	9	7	35	X X X X X X X X X	X X X X X X X	16	C
34	7	5	34	X X X X X X X	X X X X X	12	E
33	3	2	33	X X X	X X	5	*
32	4	3	32	X X X X	X X X	7	*
31	2	4	31	X X	X X X X	6	*
30	0	0	30			0	
29	0	0	29			0	
28	1	0	28	X		1	
27	0	0	27			0	
26	0	0	26			0	
25	0	0	25			0	
24	0	0	24			0	
23	0	0	23			0	
22	0	0	22			0	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: University Street

Between: Cypress Avenue - Colton Avenue

Weather: Clear

Date: 9/24/24

Time From: 2:05

Time To: 2:25

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	8%	7%
% In Pace:	92%	92%	92%
% Under Pace:	2%	0%	1%
Average Speed:	36 MPH	36 MPH	36 MPH
Pace Speed:	31 - 40 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	33 MPH	33 MPH	33 MPH
50th Percentile / Critical Speed:	35 MPH	36 MPH	36 MPH
85th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	0	43		0
42	0	0	42		0
41	0	0	41		0
40	1	0	40	X	1
39	0	0	39		0
38	1	1	38	X X	2
37	1	2	37	X X X	3
36	1	3	36	X X X X	4
35	2	2	35	X X X X	4
34	5	2	34	X X X X X X X	7
33	3	1	33	X X X X	4
32	1	4	32	X X X X X	5
31	7	3	31	X X X X X X X X X X	10
30	2	2	30	X X X X	4
29	5	7	29	X X X X X X X X X X X X	12
28	2	4	28	X X X X X X	6
27	6	3	27	X X X X X X X X X	9
26	2	6	26	X X X X X X X X	8
25	6	1	25	X X X X X X X	7
24	2	6	24	X X X X X X X X	8
23	2	0	23	X X	2
22	1	1	22	X X	2
21	0	2	21	X X	2
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

Location: University Street

Between: Lugonia Avenue - San Bernardino Avenue

Weather: Clear

Date: 9/24/24

Time From: 12:20

Time To: 1:20

Existing Speed Limit: 35 MPH

PACE *

	Northbound	Southbound	Combined Statistics
% Over Pace:	12%	20%	21%
% In Pace:	78%	74%	73%
% Under Pace:	10%	6%	6%
Average Speed:	30 MPH	29 MPH	29 MPH
Pace Speed:	25 - 34 MPH	24 - 33 MPH	24 - 33 MPH
15th Percentile / Critical Speed:	25 MPH	24 MPH	25 MPH
50th Percentile / Critical Speed:	29 MPH	29 MPH	29 MPH
85th Percentile / Critical Speed:	34 MPH	35 MPH	34 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	EB	WB	MPH	Eastbound	Westbound	VEH.
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	0	45			0
44	0	0	44			0
43	0	0	43			0
42	0	0	42			0
41	0	0	41			0
40	0	0	40			0
39	0	0	39			0
38	0	0	38			0
37	0	0	37			0
36	2	0	36	X X		2
35	1	0	35	X		1
34	1	0	34	X		1
33	1	3	33	X	X X X	4
32	3	3	32	X X X	X X X	6
31	5	0	31	X X X X X		5
30	6	4	30	X X X X X X	X X X X	10
29	4	9	29	X X X X	X X X X X X X X X	13
28	3	3	28	X X X	X X X	6
27	5	1	27	X X X X X	X	6
26	3	2	26	X X X	X X	5
25	1	3	25	X	X X X	4
24	3	5	24	X X X	X X X X X	8
23	1	5	23	X	X X X X X	6
22	2	2	22	X X	X X	4
21	1	2	21	X	X X	3
20	3	1	20	X X X	X	4
19	1	1	19	X	X	2
18	0	2	18		X X	2
17	0	1	17		X	1
16	2	0	16	X X		2
15	1	2	15	X	X X	3
14	1	1	14	X	X	2
13	0	0	13			0
12	0	0	12			0
11	0	0	11			0
10	0	0	10			0
9	0	0	9			0
8	0	0	8			0
7	0	0	7			0
6	0	0	6			0
5	0	0	5			0
Total	50	50		GRAND TOTALS		100

PACE * * * * * * * *

Location: Via Vista Drive

Between: Country Club Drive - Helena Lane

Weather: Clear

Date: 9/24/24

Time From: 5:45

Time To: 7:20

Existing Speed Limit: 25 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	8%	12%	8%
% In Pace:	68%	72%	69%
% Under Pace:	24%	16%	23%
Average Speed:	27 MPH	25 MPH	26 MPH
Pace Speed:	24 - 33 MPH	21 - 30 MPH	23 - 32 MPH
15th Percentile / Critical Speed:	20 MPH	20 MPH	20 MPH
50th Percentile / Critical Speed:	28 MPH	26 MPH	27 MPH
85th Percentile / Critical Speed:	32 MPH	30 MPH	31 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	1	46	X	1	
45	1	0	45	X	1	
44	0	0	44		0	
43	1	0	43	X	1	
42	1	3	42	X X X	4	
41	2	2	41	X X X X	4	
40	2	1	40	X X X	3	
39	3	2	39	X X X X X	5	*
38	5	4	38	X X X X X X X X X	9	*
37	3	1	37	X X X X	4	*
36	0	2	36	X X	2	PACE
35	4	4	35	X X X X X X X X	8	
34	6	5	34	X X X X X X X X X X X	11	
33	5	12	33	X X X X X X X X X X X X X X X X X	17	
32	6	4	32	X X X X X X X X X X	10	*
31	6	3	31	X X X X X X X X X	9	*
30	3	4	30	X X X X X X X	7	*
29	1	0	29	X	1	
28	0	1	28	X	1	
27	1	1	27	X X	2	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Wabash Avenue

Between: Citrus Avenue - Colton Avenue

Weather: Clear

Date: 9/25/24

Time From: 10:25

Time To: 10:50

Existing Speed Limit: 40 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	14%	14%	14%
% In Pace:	82%	82%	82%
% Under Pace:	4%	4%	4%
Average Speed:	35 MPH	35 MPH	35 MPH
Pace Speed:	30 - 39 MPH	30 - 39 MPH	30 - 39 MPH
15th Percentile / Critical Speed:	31 MPH	31 MPH	31 MPH
50th Percentile / Critical Speed:	34 MPH	33 MPH	34 MPH
85th Percentile / Critical Speed:	39 MPH	39 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Northbound / Southbound		
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	0	52		0	
51	0	0	51		0	
50	0	0	50		0	
49	0	0	49		0	
48	0	0	48		0	
47	0	0	47		0	
46	0	0	46		0	
45	0	0	45		0	
44	0	1	44	S: X	1	
43	1	0	43	N: X	1	
42	2	4	42	N: X X; S: X X X X	6	
41	1	3	41	N: X; S: X X X	4	
40	1	1	40	N: X; S: X	2	
39	2	1	39	N: X X; S: X	3	
38	4	0	38	N: X X X X	4	*
37	8	7	37	N: X X X X X X X X; S: X X X X X X X	15	*
36	4	4	36	N: X X X X; S: X X X X	8	*
35	9	6	35	N: X X X X X X X X X; S: X X X X X X	15	P
34	5	4	34	N: X X X X X; S: X X X X	9	A
33	4	1	33	N: X X X X; S: X	5	C
32	4	4	32	N: X X X X; S: X X X X	8	E
31	2	2	31	N: X X; S: X X	4	*
30	1	5	30	N: X; S: X X X X X	6	*
29	1	4	29	N: X; S: X X X X	5	*
28	0	1	28	S: X	1	
27	1	2	27	N: X; S: X X	3	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
14	0	0	14		0	
13	0	0	13		0	
12	0	0	12		0	
11	0	0	11		0	
10	0	0	10		0	
9	0	0	9		0	
8	0	0	8		0	
7	0	0	7		0	
6	0	0	6		0	
5	0	0	5		0	
Total	50	50		GRAND TOTALS	100	

Location: Wabash Avenue

Between: Colton Avenue - Sessums Drive

Weather: Clear

Date: 9/25/24

Time From: 9:00

Time To: 9:20

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	8%	20%	17%
% In Pace:	86%	76%	79%
% Under Pace:	6%	4%	4%
Average Speed:	35 MPH	35 MPH	35 MPH
Pace Speed:	31 - 40 MPH	28 - 37 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	32 MPH	30 MPH	30 MPH
50th Percentile / Critical Speed:	35 MPH	35 MPH	35 MPH
85th Percentile / Critical Speed:	38 MPH	41 MPH	39 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.	PACE
				Northbound / Southbound		
65	0	0	65		0	
64	0	0	64		0	
63	0	0	63		0	
62	0	0	62		0	
61	0	0	61		0	
60	0	0	60		0	
59	0	0	59		0	
58	0	0	58		0	
57	0	0	57		0	
56	0	0	56		0	
55	0	0	55		0	
54	0	0	54		0	
53	0	0	53		0	
52	0	1	52	X	1	
51	0	0	51		0	
50	0	1	50	X	1	
49	2	4	49	X X / X X X X	6	
48	1	4	48	X / X X X X	5	
47	4	3	47	X X X X / X X X	7	*
46	6	3	46	X X X X X X / X X X	9	*
45	4	3	45	X X X X / X X X	7	*
44	7	1	44	X X X X X X X / X	8	
43	4	4	43	X X X X / X X X X	8	
42	2	3	42	X X / X X X	5	
41	2	3	41	X X / X X X	5	
40	3	2	40	X X X / X X	5	*
39	4	5	39	X X X X / X X X X X	9	*
38	4	3	38	X X X X / X X X	7	*
37	3	2	37	X X X / X X	5	
36	3	1	36	X X X / X	4	
35	1	1	35	X / X	2	
34	0	4	34	X X X X	4	
33	0	0	33		0	
32	0	1	32	X	1	
31	0	1	31	X	1	
30	0	0	30		0	
29	0	0	29		0	
28	0	0	28		0	
27	0	0	27		0	
26	0	0	26		0	
25	0	0	25		0	
24	0	0	24		0	
23	0	0	23		0	
22	0	0	22		0	
21	0	0	21		0	
20	0	0	20		0	
19	0	0	19		0	
18	0	0	18		0	
17	0	0	17		0	
16	0	0	16		0	
15	0	0	15		0	
Total	50	50		GRAND TOTALS	100	

Location: Wabash Avenue

Between: Fifth Avenue - Citrus Avenue

Weather: Clear

Date: 9/25/24

Time From: 10:50

Time To: 11:25

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	6%	12%	13%
% In Pace:	80%	62%	70%
% Under Pace:	14%	26%	17%
Average Speed:	42 MPH	42 MPH	42 MPH
Pace Speed:	38 - 47 MPH	39 - 48 MPH	38 - 47 MPH
15th Percentile / Critical Speed:	38 MPH	36 MPH	37 MPH
50th Percentile / Critical Speed:	43 MPH	42 MPH	43 MPH
85th Percentile / Critical Speed:	46 MPH	48 MPH	47 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed — Northbound	Vehicles Surveyed — Southbound	TOT. VEH.	
55	0	0	55			0	
54	0	0	54			0	
53	0	0	53			0	
52	0	0	52			0	
51	0	0	51			0	
50	0	0	50			0	
49	0	0	49			0	
48	0	0	48			0	
47	0	2	47		X X	2	
46	0	1	46		X	1	
45	1	1	45	X	X	2	
44	2	1	44	X X	X	3	
43	1	1	43	X	X	2	
42	2	1	42	X X	X	3	
41	3	0	41	X X X		3	
40	2	1	40	X X	X	3	*
39	2	5	39	X X	X X X X X	7	*
38	7	2	38	X X X X X X X	X X	9	*
37	4	1	37	X X X X	X	5	P
36	1	2	36	X	X X	3	A
35	3	2	35	X X X	X X	5	C
34	3	5	34	X X X	X X X X X	8	E
33	0	6	33		X X X X X X	6	*
32	3	4	32	X X X	X X X X	7	*
31	4	6	31	X X X X	X X X X X X	10	*
30	0	1	30		X	1	
29	2	0	29	X X		2	
28	1	3	28	X	X X X	4	
27	1	1	27	X	X	2	
26	2	0	26	X X		2	
25	2	3	25	X X	X X X	5	
24	0	0	24			0	
23	4	0	23	X X X X		4	
22	0	1	22		X	1	
21	0	0	21			0	
20	0	0	20			0	
19	0	0	19			0	
18	0	0	18			0	
17	0	0	17			0	
16	0	0	16			0	
15	0	0	15			0	
14	0	0	14			0	
13	0	0	13			0	
12	0	0	12			0	
11	0	0	11			0	
10	0	0	10			0	
9	0	0	9			0	
8	0	0	8			0	
7	0	0	7			0	
6	0	0	6			0	
5	0	0	5			0	
Total	50	50			GRAND TOTALS	100	

Location: Wabash Avenue

Between: Fifth Avenue - Panorama Drive

Weather: Clear

Date: 9/25/24

Time From: 12:05

Time To: 2:10

Existing Speed Limit: 45 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	18%	14%	16%
% In Pace:	58%	68%	63%
% Under Pace:	24%	18%	21%
Average Speed:	35 MPH	34 MPH	34 MPH
Pace Speed:	31 - 40 MPH	31 - 40 MPH	31 - 40 MPH
15th Percentile / Critical Speed:	26 MPH	28 MPH	28 MPH
50th Percentile / Critical Speed:	35 MPH	33 MPH	34 MPH
85th Percentile / Critical Speed:	41 MPH	40 MPH	41 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

City of Redlands

Radar Speed Survey

Speed	NB	SB	MPH	Vehicles Surveyed	TOT. VEH.
				Northbound / Southbound	
55	0	0	55		0
54	0	0	54		0
53	0	0	53		0
52	0	0	52		0
51	0	0	51		0
50	0	0	50		0
49	0	0	49		0
48	0	0	48		0
47	0	0	47		0
46	0	0	46		0
45	0	0	45		0
44	0	0	44		0
43	0	2	43	SB: X X	2
42	2	0	42	NB: X X	2
41	0	1	41	SB: X	1
40	2	0	40	NB: X X	2
39	2	0	39	NB: X X	2
38	3	2	38	NB: X X X; SB: X X	5
37	1	3	37	NB: X; SB: X X X	4
36	3	1	36	NB: X X X; SB: X	4
35	1	4	35	NB: X; SB: X X X X	5
34	6	6	34	NB: X X X X X X; SB: X X X X X X	12
33	5	4	33	NB: X X X X X; SB: X X X X	9
32	3	2	32	NB: X X X; SB: X X	5
31	7	7	31	NB: X X X X X X X; SB: X X X X X X X	14
30	2	6	30	NB: X X; SB: X X X X X X	8
29	5	3	29	NB: X X X X X; SB: X X X	8
28	1	2	28	NB: X; SB: X X	3
27	4	3	27	NB: X X X X; SB: X X X	7
26	1	0	26	NB: X	1
25	0	2	25	SB: X X	2
24	1	1	24	NB: X; SB: X	2
23	1	0	23	NB: X	1
22	0	1	22	SB: X	1
21	0	0	21		0
20	0	0	20		0
19	0	0	19		0
18	0	0	18		0
17	0	0	17		0
16	0	0	16		0
15	0	0	15		0
14	0	0	14		0
13	0	0	13		0
12	0	0	12		0
11	0	0	11		0
10	0	0	10		0
9	0	0	9		0
8	0	0	8		0
7	0	0	7		0
6	0	0	6		0
5	0	0	5		0
Total	50	50		GRAND TOTALS	100

PACE * * * * * *

Location: Wabash Avenue

Between: Reservoir Road - Palo Alto Drive

Weather: Clear

Date: 9/25/24

Time From: 2:55

Time To: 3:45

Existing Speed Limit: 35 MPH

	Northbound	Southbound	Combined Statistics
% Over Pace:	20%	6%	18%
% In Pace:	74%	76%	75%
% Under Pace:	6%	18%	7%
Average Speed:	33 MPH	32 MPH	32 MPH
Pace Speed:	27 - 36 MPH	29 - 38 MPH	27 - 36 MPH
15th Percentile / Critical Speed:	28 MPH	28 MPH	28 MPH
50th Percentile / Critical Speed:	32 MPH	31 MPH	32 MPH
85th Percentile / Critical Speed:	38 MPH	37 MPH	37 MPH

Radar Survey Conducted By:

Counts Unlimited, Inc.

PO Box 1178

Corona, CA 92880

T 951-268-6268 F 951-268-6267

Appendix C
ADT Traffic Volume Count Sheets

Counts Unlimited, Inc

PO Box 1178
Corona, CA 92878
Phone: 951-268-6268
email: counts@countsunlimited.com

City of Redlands
Alabama Street
B/ Barton Road - Park Avenue
24 Hour Directional Volume Count

RED001
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		11	110			10	123				
12:15		6	121			8	110				
12:30		4	111			11	119				
12:45		5	109	26	451	8	116	37	468	63	919
01:00		9	110			8	115				
01:15		7	134			8	121				
01:30		4	127			8	106				
01:45		5	114	25	485	7	137	31	479	56	964
02:00		5	129			4	114				
02:15		4	**123**			8	128				
02:30		9	**105**			6	116				
02:45		7	**130**	25	487	3	141	21	499	46	986
03:00		11	**151**			2	142				
03:15		10	116			7	127				
03:30		18	107			7	133				
03:45		12	130	51	504	8	138	24	540	75	1044
04:00		11	112			10	165				
04:15		22	93			9	127				
04:30		30	109			6	**150**				
04:45		28	113	91	427	16	**148**	41	590	132	1017
05:00		29	123			8	**181**				
05:15		39	118			17	**135**				
05:30		43	115			14	147				
05:45		56	105	167	461	25	143	64	606	231	1067
06:00		39	115			35	137				
06:15		69	106			39	131				
06:30		92	100			49	118				
06:45		92	86	292	407	77	114	200	500	492	907
07:00		118	83			77	113				
07:15		**121**	64			73	106				
07:30		**161**	74			**106**	86				
07:45		**224**	71	624	292	**132**	80	388	385	1012	677
08:00		**165**	47			**137**	91				
08:15		117	54			**120**	84				
08:30		100	42			106	64				
08:45		123	38	505	181	103	59	466	298	971	479
09:00		98	36			80	73				
09:15		117	32			89	74				
09:30		113	25			96	41				
09:45		105	36	433	129	86	57	351	245	784	374
10:00		82	28			81	39				
10:15		103	25			99	47				
10:30		98	18			74	32				
10:45		98	21	381	92	95	23	349	141	730	233
11:00		95	22			109	29				
11:15		101	18			90	16				
11:30		125	13			105	20				
11:45		112	10	433	63	114	16	418	81	851	144
Total		3053	3979	3053	3979	2390	4832	2390	4832	5443	8811
Combined Total		7032		7032		7222		7222		14254	
AM Peak	-	07:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	671	-	-	-	495	-	-	-	-	-
P.H.F.		0.749				0.903					
PM Peak	-	-	02:15	-	-	-	04:30	-	-	-	-
Vol.	-	-	509	-	-	-	614	-	-	-	-
P.H.F.			0.843				0.848				
Percentage		43.4%	56.6%			33.1%	66.9%				
ADT/AADT		ADT 14,254		AADT 14,254							

Counts Unlimited, Inc

PO Box 1178
Corona, CA 92878
Phone: 951-268-6268
email: counts@countsunlimited.com

City of Redlands
Alabama Street
B/ Park Avenue - Lugonia Avenue
24 Hour Directional Volume Count

RED002
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		14	168			14	156				
12:15		8	154			12	118				
12:30		6	158			12	148				
12:45		5	154	33	634	14	166	52	588	85	1222
01:00		12	145			10	136				
01:15		12	144			10	142				
01:30		8	160			10	138				
01:45		10	136	42	585	8	172	38	588	80	1173
02:00		8	161			5	152				
02:15		4	152			7	164				
02:30		10	138			13	156				
02:45		8	180	30	631	5	196	30	668	60	1299
03:00		15	**224**			2	156				
03:15		14	**156**			12	132				
03:30		21	**168**			13	152				
03:45		14	**182**	64	730	17	157	44	597	108	1327
04:00		14	172			10	**192**				
04:15		25	141			18	**139**				
04:30		34	160			18	**166**				
04:45		33	144	106	617	50	**178**	96	675	202	1292
05:00		34	200			28	150				
05:15		51	166			42	180				
05:30		58	136			39	165				
05:45		57	118	200	620	106	154	215	649	415	1269
06:00		60	164			56	127				
06:15		74	127			66	148				
06:30		109	137			75	130				
06:45		96	110	339	538	158	106	355	511	694	1049
07:00		136	119			90	128				
07:15		124	85			120	88				
07:30		**172**	119			142	81				
07:45		**187**	92	619	415	**175**	77	527	374	1146	789
08:00		**188**	58			**174**	84				
08:15		**152**	64			**148**	83				
08:30		134	46			**164**	56				
08:45		126	48	600	216	141	60	627	283	1227	499
09:00		118	42			130	76				
09:15		146	35			132	68				
09:30		144	31			127	48				
09:45		148	46	556	154	116	59	505	251	1061	405
10:00		147	39			114	44				
10:15		146	22			131	47				
10:30		143	21			122	32				
10:45		151	26	587	108	136	24	503	147	1090	255
11:00		151	16			132	28				
11:15		149	14			106	25				
11:30		157	18			157	21				
11:45		168	22	625	70	123	16	518	90	1143	160
Total		3801	5318	3801	5318	3510	5421	3510	5421	7311	10739
Combined Total		9119		9119		8931		8931		18050	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	699	-	-	-	661	-	-	-	-	-
P.H.F.		0.930				0.944					
PM Peak	-	-	03:00	-	-	-	04:00	-	-	-	-
Vol.	-	-	730	-	-	-	675	-	-	-	-
P.H.F.			0.815				0.861				
Percentage		41.7%	58.3%			39.3%	60.7%				
ADT/AADT		ADT 18,050		AADT 18,050							

Counts Unlimited, Inc

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Corona, CA 92878
Phone: 951-268-6268
email: counts@countsunlimited.com

City of Redlands
Alabama Street
CL S/ Santa Ana River - CL N/ Santa Ana River
24 Hour Directional Volume Count

RED003
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		38	104			22	88				
12:15		28	96			26	108				
12:30		23	128			20	108				
12:45		14	132	103	460	22	112	90	416	193	876
01:00		106	95			10	86				
01:15		64	98			5	100				
01:30		23	122			13	94				
01:45		10	136	203	451	12	108	40	388	243	839
02:00		28	127			20	114				
02:15		46	192			18	151				
02:30		23	182			20	176				
02:45		6	**190**	103	691	14	129	72	570	175	1261
03:00		18	**164**			20	118				
03:15		13	**212**			26	131				
03:30		29	**218**			66	146				
03:45		39	184	99	778	135	178	247	573	346	1351
04:00		32	154			43	128				
04:15		22	151			28	128				
04:30		28	154			72	132				
04:45		18	169	100	628	122	**155**	265	543	365	1171
05:00		50	150			34	**159**				
05:15		36	174			44	**174**				
05:30		42	149			69	**170**				
05:45		46	175	174	648	118	144	265	647	439	1295
06:00		60	150			61	136				
06:15		46	132			69	134				
06:30		37	132			86	104				
06:45		74	136	217	550	100	95	316	469	533	1019
07:00		66	122			97	92				
07:15		84	138			98	90				
07:30		73	106			**106**	66				
07:45		**100**	97	323	463	**141**	74	442	322	765	785
08:00		**108**	87			**142**	56				
08:15		**130**	91			**165**	60				
08:30		**126**	95			106	46				
08:45		91	90	455	363	116	47	529	209	984	572
09:00		80	85			100	42				
09:15		82	65			90	58				
09:30		64	86			100	36				
09:45		93	55	319	291	90	42	380	178	699	469
10:00		76	66			81	42				
10:15		70	52			80	48				
10:30		74	49			97	16				
10:45		96	65	316	232	91	22	349	128	665	360
11:00		106	22			102	34				
11:15		94	28			100	30				
11:30		94	34			94	22				
11:45		98	33	392	117	87	39	383	125	775	242
Total		2804	5672	2804	5672	3378	4568	3378	4568	6182	10240
Combined Total		8476		8476		7946		7946		16422	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	464	-	-	-	554	-	-	-	-	-
P.H.F.		0.892				0.839					
PM Peak	-	-	02:45	-	-	-	04:45	-	-	-	-
Vol.	-	-	784	-	-	-	658	-	-	-	-
P.H.F.			0.899				0.945				
Percentage		33.1%	66.9%			42.5%	57.5%				
ADT/AADT		ADT 16,422		AADT 16,422							

Counts Unlimited, Inc

PO Box 1178
Corona, CA 92878
Phone: 951-268-6268
email: counts@countsunlimited.com

City of Redlands
Alessandro Road
B/ Crescent Avenue - Sunset Drive
24 Hour Directional Volume Count

RED004
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	56			3	30				
12:15		4	53			3	46				
12:30		2	42			2	30				
12:45		2	42	11	193	2	29	10	135	21	328
01:00		8	35			1	45				
01:15		4	44			0	44				
01:30		7	45			2	49				
01:45		2	58	21	182	1	40	4	178	25	360
02:00		0	42			2	56				
02:15		2	46			0	50				
02:30		4	46			2	46				
02:45		2	42	8	176	4	72	8	224	16	400
03:00		2	66			3	58				
03:15		4	46			5	64				
03:30		4	68			1	68				
03:45		8	44	18	224	0	70	9	260	27	484
04:00		4	82			4	71				
04:15		4	53			3	82				
04:30		14	71			7	78				
04:45		12	77	34	283	5	**82**	19	313	53	596
05:00		10	89			7	**85**				
05:15		22	**78**			16	**80**				
05:30		35	**120**			14	**83**				
05:45		36	**88**	103	375	19	79	56	327	159	702
06:00		60	**95**			24	50				
06:15		60	64			27	43				
06:30		87	74			38	40				
06:45		107	78	314	311	40	58	129	191	443	502
07:00		85	40			**44**	57				
07:15		**104**	36			**62**	46				
07:30		**92**	44			**53**	42				
07:45		**105**	23	386	143	**56**	26	215	171	601	314
08:00		**121**	24			38	22				
08:15		95	12			56	23				
08:30		84	16			40	16				
08:45		58	20	358	72	38	29	172	90	530	162
09:00		86	20			32	19				
09:15		82	13			38	14				
09:30		69	6			26	12				
09:45		80	14	317	53	30	7	126	52	443	105
10:00		60	18			24	10				
10:15		48	19			34	3				
10:30		53	14			38	6				
10:45		41	11	202	62	28	6	124	25	326	87
11:00		59	10			32	7				
11:15		51	11			22	4				
11:30		56	2			29	4				
11:45		32	9	198	32	28	5	111	20	309	52
Total		1970	2106	1970	2106	983	1986	983	1986	2953	4092
Combined Total		4076		4076		2969		2969		7045	
AM Peak	-	07:15	-	-	-	07:00	-	-	-	-	-
Vol.	-	422	-	-	-	215	-	-	-	-	-
P.H.F.		0.872				0.867					
PM Peak	-	-	05:15	-	-	-	04:45	-	-	-	-
Vol.	-	-	381	-	-	-	330	-	-	-	-
P.H.F.			0.794				0.971				
Percentage		48.3%	51.7%			33.1%	66.9%				
ADT/AADT		ADT 7,045		AADT 7,045							

Counts Unlimited, Inc

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City of Redlands
Alessandro Road
B/ Sunset Drive - Creekside Drive
24 Hour Directional Volume Count

RED005
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		6	46			4	26				
12:15		3	36			4	36				
12:30		10	62			0	32				
12:45		2	58	21	202	2	30	10	124	31	326
01:00		6	44			2	35				
01:15		0	50			0	29				
01:30		0	50			1	40				
01:45		1	74	7	218	0	32	3	136	10	354
02:00		2	56			0	51				
02:15		0	64			1	42				
02:30		5	64			1	50				
02:45		0	73	7	257	1	46	3	189	10	446
03:00		2	67			0	50				
03:15		2	38			2	58				
03:30		6	**94**			2	60				
03:45		2	**84**	12	283	4	59	8	227	20	510
04:00		3	**84**			2	56				
04:15		8	**94**			3	56				
04:30		2	94			4	69				
04:45		12	69	25	341	6	78	15	259	40	600
05:00		10	56			6	56				
05:15		18	90			10	58				
05:30		20	102			12	**81**				
05:45		28	48	76	296	6	**71**	34	266	110	562
06:00		17	74			18	**84**				
06:15		42	74			22	**61**				
06:30		48	56			24	54				
06:45		62	50	169	254	28	45	92	244	261	498
07:00		64	50			45	46				
07:15		64	34			**46**	31				
07:30		79	28			**61**	46				
07:45		77	29	284	141	**42**	24	194	147	478	288
08:00		**68**	24			**48**	20				
08:15		**73**	26			41	36				
08:30		**85**	18			51	25				
08:45		**85**	26	311	94	49	14	189	95	500	189
09:00		60	21			30	27				
09:15		63	18			32	23				
09:30		64	22			33	23				
09:45		44	10	231	71	40	12	135	85	366	156
10:00		46	14			38	11				
10:15		44	10			25	14				
10:30		38	11			35	8				
10:45		37	11	165	46	28	12	126	45	291	91
11:00		50	2			32	3				
11:15		26	8			22	8				
11:30		52	5			15	6				
11:45		45	8	173	23	25	4	94	21	267	44
Total		1481	2226	1481	2226	903	1838	903	1838	2384	4064
Combined Total		3707		3707		2741		2741		6448	
AM Peak	-	08:00	-	-	-	07:15	-	-	-	-	-
Vol.	-	311	-	-	-	197	-	-	-	-	-
P.H.F.		0.915				0.807					
PM Peak	-	-	03:30	-	-	-	05:30	-	-	-	-
Vol.	-	-	356	-	-	-	297	-	-	-	-
P.H.F.			0.947				0.884				
Percentage		40.0%	60.0%			32.9%	67.1%				
ADT/AADT		ADT 6,448		AADT 6,448							

Counts Unlimited, Inc

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City of Redlands
Alessandro Road
B/ Creekside Drive - San Timoteo Canyon Road
24 Hour Directional Volume Count

RED006
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	38			3	26				
12:15		2	38			3	30				
12:30		2	36			2	24				
12:45		0	37	6	149	2	24	10	104	16	253
01:00		7	26			1	31				
01:15		4	38			0	37				
01:30		2	30			2	32				
01:45		1	59	14	153	1	34	4	134	18	287
02:00		0	31			2	44				
02:15		2	40			0	44				
02:30		1	50			1	44				
02:45		2	23	5	144	4	10	7	142	12	286
03:00		0	110			0	102				
03:15		3	54			8	56				
03:30		4	66			2	46				
03:45		4	71	11	301	0	56	10	260	21	561
04:00		1	70			2	55				
04:15		3	74			4	**74**				
04:30		6	77			7	**74**				
04:45		5	84	15	305	4	**69**	17	272	32	577
05:00		4	55			6	**76**				
05:15		12	68			16	64				
05:30		14	**78**			7	66				
05:45		18	**87**	48	288	26	30	55	236	103	524
06:00		29	**81**			22	48				
06:15		40	**82**			29	48				
06:30		42	34			26	32				
06:45		50	47	161	244	48	50	125	178	286	422
07:00		40	24			**52**	36				
07:15		**48**	22			**62**	33				
07:30		**48**	30			**68**	38				
07:45		**53**	16	189	92	**65**	18	247	125	436	217
08:00		**52**	12			36	12				
08:15		46	19			44	17				
08:30		38	12			41	16				
08:45		35	18	171	61	37	10	158	55	329	116
09:00		61	12			42	13				
09:15		41	17			37	14				
09:30		42	10			19	10				
09:45		44	10	188	49	32	6	130	43	318	92
10:00		34	11			26	15				
10:15		23	8			22	4				
10:30		26	8			32	1				
10:45		25	4	108	31	22	8	102	28	210	59
11:00		38	6			24	6				
11:15		28	4			17	3				
11:30		26	4			26	3				
11:45		20	4	112	18	20	6	87	18	199	36
Total		1028	1835	1028	1835	952	1595	952	1595	1980	3430
Combined Total		2863		2863		2547		2547		5410	
AM Peak	-	07:15	-	-	-	07:00	-	-	-	-	-
Vol.	-	201	-	-	-	247	-	-	-	-	-
P.H.F.		0.948				0.908					
PM Peak	-	-	05:30	-	-	-	04:15	-	-	-	-
Vol.	-	-	328	-	-	-	293	-	-	-	-
P.H.F.			0.943				0.964				
Percentage		35.9%	64.1%			37.4%	62.6%				
ADT/AADT		ADT 5,410		AADT 5,410							

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City of Redlands
Alta Vista Drive
B/ Florida Street - Sunset Drive
24 Hour Directional Volume Count

RED007
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	18			1	14				
12:15		0	17			2	18				
12:30		2	16			1	24				
12:45		2	22	6	73	5	22	9	78	15	151
01:00		2	16			1	19				
01:15		0	14			2	20				
01:30		0	22			1	23				
01:45		0	**28**	2	80	0	24	4	86	6	166
02:00		1	**26**			1	25				
02:15		0	**22**			0	45				
02:30		1	**25**			1	24				
02:45		0	12	2	85	0	31	2	125	4	210
03:00		1	18			0	16				
03:15		1	24			0	40				
03:30		0	26			1	42				
03:45		0	16	2	84	0	18	1	116	3	200
04:00		0	15			1	31				
04:15		0	22			1	33				
04:30		1	19			2	30				
04:45		2	24	3	80	1	30	5	124	8	204
05:00		0	14			4	38				
05:15		1	14			4	30				
05:30		1	22			8	**35**				
05:45		1	18	3	68	3	**37**	19	140	22	208
06:00		3	25			10	**34**				
06:15		6	16			9	**40**				
06:30		16	14			9	21				
06:45		21	19	46	74	20	22	48	117	94	191
07:00		20	19			16	20				
07:15		**36**	22			**27**	16				
07:30		**40**	21			**18**	11				
07:45		**66**	15	162	77	**26**	15	87	62	249	139
08:00		**50**	16			**32**	14				
08:15		32	14			18	16				
08:30		32	12			17	6				
08:45		29	6	143	48	24	9	91	45	234	93
09:00		24	10			18	9				
09:15		17	7			25	4				
09:30		18	5			24	3				
09:45		8	4	67	26	17	1	84	17	151	43
10:00		24	2			25	1				
10:15		15	6			26	2				
10:30		8	4			20	2				
10:45		18	1	65	13	22	1	93	6	158	19
11:00		14	4			18	1				
11:15		22	0			24	0				
11:30		16	4			20	1				
11:45		12	2	64	10	16	0	78	2	142	12
Total		565	718	565	718	521	918	521	918	1086	1636
Combined Total		1283		1283		1439		1439		2722	
AM Peak	-	07:15	-	-	-	07:15	-	-	-	-	-
Vol.	-	192	-	-	-	103	-	-	-	-	-
P.H.F.		0.727				0.805					
PM Peak	-	-	01:45	-	-	-	05:30	-	-	-	-
Vol.	-	-	101	-	-	-	146	-	-	-	-
P.H.F.			0.902				0.913				
Percentage		44.0%	56.0%			36.2%	63.8%				
ADT/AADT		ADT 2,722		AADT 2,722							

Counts Unlimited, Inc

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City of Redlands
Barton Road
B/ West City Limit - Terracina Boulevard
24 Hour Directional Volume Count

RED008
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		13	163			19	174				
12:15		13	165			13	177				
12:30		17	171			9	184				
12:45		11	193	54	692	13	194	54	729	108	1421
01:00		13	153			8	179				
01:15		8	194			11	179				
01:30		4	148			11	192				
01:45		10	199	35	694	7	183	37	733	72	1427
02:00		5	192			9	224				
02:15		7	184			8	210				
02:30		9	212			7	211				
02:45		4	275	25	863	5	184	29	829	54	1692
03:00		7	286			6	**234**				
03:15		9	243			5	**227**				
03:30		11	229			11	**298**				
03:45		11	277	38	1035	14	**210**	36	969	74	2004
04:00		8	288			11	199				
04:15		11	279			18	211				
04:30		16	290			28	202				
04:45		36	276	71	1133	29	189	86	801	157	1934
05:00		17	**326**			26	249				
05:15		27	**341**			46	190				
05:30		32	**311**			44	181				
05:45		55	**325**	131	1303	81	197	197	817	328	2120
06:00		60	258			79	182				
06:15		65	269			91	165				
06:30		91	218			117	158				
06:45		123	209	339	954	167	148	454	653	793	1607
07:00		107	153			199	144				
07:15		145	142			244	124				
07:30		**214**	123			**364**	153				
07:45		**249**	110	715	528	**333**	125	1140	546	1855	1074
08:00		**251**	90			**323**	100				
08:15		**219**	87			**270**	75				
08:30		150	78			288	86				
08:45		166	78	786	333	226	79	1107	340	1893	673
09:00		148	58			168	64				
09:15		155	49			170	63				
09:30		146	40			166	52				
09:45		156	41	605	188	145	40	649	219	1254	407
10:00		141	49			135	52				
10:15		131	40			163	33				
10:30		156	41			133	29				
10:45		151	30	579	160	148	25	579	139	1158	299
11:00		148	33			165	47				
11:15		154	21			153	21				
11:30		148	12			160	34				
11:45		173	15	623	81	173	21	651	123	1274	204
Total		4001	7964	4001	7964	5019	6898	5019	6898	9020	14862
Combined Total		11965		11965		11917		11917		23882	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	933	-	-	-	1290	-	-	-	-	-
P.H.F.		0.929				0.886					
PM Peak	-	-	05:00	-	-	-	03:00	-	-	-	-
Vol.	-	-	1303	-	-	-	969	-	-	-	-
P.H.F.			0.955				0.813				
Percentage		33.4%	66.6%			42.1%	57.9%				
ADT/AADT		ADT 23,882		AADT 23,882							

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City of Redlands
Barton Road
B/ Terracina Boulevard - Alabama Street
24 Hour Directional Volume Count

RED009
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	139			13	120				
12:15		12	134			7	142				
12:30		9	130			5	120				
12:45		14	112	45	515	5	114	30	496	75	1011
01:00		2	116			10	141				
01:15		10	126			8	134				
01:30		5	129			3	138				
01:45		5	146	22	517	1	132	22	545	44	1062
02:00		3	143			4	131				
02:15		3	155			5	130				
02:30		10	140			10	128				
02:45		3	148	19	586	8	144	27	533	46	1119
03:00		4	208			3	**140**				
03:15		6	202			4	**125**				
03:30		5	184			4	**168**				
03:45		5	196	20	790	6	**170**	17	603	37	1393
04:00		7	**236**			9	114				
04:15		4	**244**			8	139				
04:30		15	**224**			18	100				
04:45		8	**234**	34	938	14	122	49	475	83	1413
05:00		8	190			12	138				
05:15		13	250			21	140				
05:30		20	222			29	116				
05:45		22	236	63	898	45	142	107	536	170	1434
06:00		37	230			48	118				
06:15		24	172			60	128				
06:30		26	198			80	115				
06:45		60	142	147	742	114	106	302	467	449	1209
07:00		64	124			136	106				
07:15		63	104			140	98				
07:30		120	115			178	84				
07:45		**168**	84	415	427	**225**	88	679	376	1094	803
08:00		**162**	80			**214**	71				
08:15		**166**	68			**206**	52				
08:30		**122**	70			**221**	68				
08:45		102	56	552	274	190	46	831	237	1383	511
09:00		111	39			150	56				
09:15		110	44			113	48				
09:30		119	25			105	39				
09:45		119	38	459	146	103	23	471	166	930	312
10:00		96	28			106	32				
10:15		122	33			98	26				
10:30		108	17			100	18				
10:45		119	30	445	108	106	20	410	96	855	204
11:00		125	20			97	13				
11:15		115	24			109	13				
11:30		134	10			112	5				
11:45		128	13	502	67	108	9	426	40	928	107
Total		2723	6008	2723	6008	3371	4570	3371	4570	6094	10578
Combined Total		8731		8731		7941		7941		16672	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	618	-	-	-	866	-	-	-	-	-
P.H.F.		0.920				0.962					
PM Peak	-	-	04:00	-	-	-	03:00	-	-	-	-
Vol.	-	-	938	-	-	-	603	-	-	-	-
P.H.F.			0.961				0.887				
Percentage		31.2%	68.8%			42.5%	57.5%				
ADT/AADT		ADT 16,672		AADT 16,672							

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City of Redlands
Barton Road
B/ Alabama Street - Lakeside Avenue
24 Hour Directional Volume Count

RED010
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	114			7	118				
12:15		7	128			8	104				
12:30		9	92			10	109				
12:45		8	130	34	464	4	128	29	459	63	923
01:00		5	128			5	130				
01:15		5	126			4	114				
01:30		5	144			1	134				
01:45		2	120	17	518	1	124	11	502	28	1020
02:00		6	130			4	136				
02:15		6	142			1	136				
02:30		6	138			2	127				
02:45		1	147	19	557	9	128	16	527	35	1084
03:00		3	211			6	122				
03:15		2	184			8	**122**				
03:30		1	172			4	**191**				
03:45		1	197	7	764	9	**128**	27	563	34	1327
04:00		4	236			7	**124**				
04:15		6	198			13	119				
04:30		4	216			13	102				
04:45		7	**224**	21	874	17	122	50	467	71	1341
05:00		4	**218**			16	136				
05:15		11	**238**			24	104				
05:30		14	**226**			25	126				
05:45		16	190	45	872	50	124	115	490	160	1362
06:00		22	210			42	124				
06:15		17	170			60	113				
06:30		32	200			79	109				
06:45		37	138	108	718	88	108	269	454	377	1172
07:00		57	125			116	110				
07:15		74	106			128	86				
07:30		**140**	111			188	95				
07:45		**178**	82	449	424	**177**	91	609	382	1058	806
08:00		**150**	94			**182**	56				
08:15		**142**	61			**171**	68				
08:30		108	60			**201**	69				
08:45		87	68	487	283	150	70	704	263	1191	546
09:00		88	40			117	48				
09:15		82	44			99	44				
09:30		90	38			104	42				
09:45		102	39	362	161	86	27	406	161	768	322
10:00		84	28			110	27				
10:15		92	27			96	28				
10:30		100	28			90	14				
10:45		98	23	374	106	87	14	383	83	757	189
11:00		112	18			104	14				
11:15		114	17			98	8				
11:30		98	11			95	5				
11:45		110	9	434	55	112	14	409	41	843	96
Total		2357	5796	2357	5796	3028	4392	3028	4392	5385	10188
Combined Total		8153		8153		7420		7420		15573	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	610	-	-	-	731	-	-	-	-	-
P.H.F.		0.857				0.909					
PM Peak	-	-	04:45	-	-	-	03:15	-	-	-	-
Vol.	-	-	906	-	-	-	565	-	-	-	-
P.H.F.			0.952				0.740				
Percentage		28.9%	71.1%			40.8%	59.2%				
ADT/AADT		ADT 15,573		AADT 15,573							

Counts Unlimited, Inc

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City of Redlands
Brockton Avenue
B/ New York Street - Texas Street
24 Hour Directional Volume Count

RED011
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	8			2	8				
12:15		1	10			0	10				
12:30		1	4			0	9				
12:45		0	6	2	28	0	14	2	41	4	69
01:00		1	10			1	11				
01:15		0	8			0	9				
01:30		1	5			0	5				
01:45		0	8	2	31	0	5	1	30	3	61
02:00		0	12			1	**7**				
02:15		2	10			0	**20**				
02:30		0	7			0	**12**				
02:45		0	7	2	36	0	**14**	1	53	3	89
03:00		0	7			1	7				
03:15		0	8			2	14				
03:30		0	12			4	8				
03:45		1	15	1	42	4	9	11	38	12	80
04:00		0	12			2	9				
04:15		0	15			1	15				
04:30		0	12			2	6				
04:45		0	**14**	0	53	4	11	9	41	9	94
05:00		0	**18**			4	16				
05:15		1	**13**			2	9				
05:30		1	**15**			4	5				
05:45		4	8	6	54	6	12	16	42	22	96
06:00		1	12			5	4				
06:15		3	10			5	7				
06:30		2	11			7	10				
06:45		3	6	9	39	5	4	22	25	31	64
07:00		6	3			7	6				
07:15		4	5			**8**	9				
07:30		2	8			**12**	3				
07:45		2	5	14	21	**10**	4	37	22	51	43
08:00		**12**	8			**17**	6				
08:15		**5**	7			6	5				
08:30		**4**	2			10	5				
08:45		**4**	3	25	20	7	5	40	21	65	41
09:00		6	4			6	3				
09:15		4	1			6	5				
09:30		4	3			10	4				
09:45		7	0	21	8	7	1	29	13	50	21
10:00		4	1			8	3				
10:15		5	0			6	2				
10:30		6	2			8	3				
10:45		4	0	19	3	8	2	30	10	49	13
11:00		5	1			8	4				
11:15		4	1			12	0				
11:30		5	2			9	3				
11:45		6	1	20	5	10	0	39	7	59	12
Total		121	340	121	340	237	343	237	343	358	683
Combined Total		461		461		580		580		1041	
AM Peak	-	08:00	-	-	-	07:15	-	-	-	-	-
Vol.	-	25	-	-	-	47	-	-	-	-	-
P.H.F.		0.521				0.691					
PM Peak	-	-	04:45	-	-	-	02:00	-	-	-	-
Vol.	-	-	60	-	-	-	53	-	-	-	-
P.H.F.			0.833				0.663				
Percentage		26.2%	73.8%			40.9%	59.1%				
ADT/AADT		ADT 1,041		AADT 1,041							

Counts Unlimited, Inc

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City of Redlands
Brockton Avenue
B/ Texas Street - Church Street
24 Hour Directional Volume Count

RED012
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	18			2	15				
12:15		3	19			1	10				
12:30		2	21			1	22				
12:45		0	14	8	72	0	14	4	61	12	133
01:00		2	12			1	16				
01:15		0	19			1	17				
01:30		0	11			0	14				
01:45		0	24	2	66	0	16	2	63	4	129
02:00		1	18			1	18				
02:15		2	21			0	20				
02:30		0	18			1	24				
02:45		0	26	3	83	1	18	3	80	6	163
03:00		2	26			0	23				
03:15		1	24			0	10				
03:30		3	36			3	30				
03:45		2	40	8	126	0	26	3	89	11	215
04:00		2	42			3	19				
04:15		0	46			1	17				
04:30		0	42			1	**22**				
04:45		5	38	7	168	3	**24**	8	82	15	250
05:00		4	**56**			4	**27**				
05:15		2	**52**			4	**24**				
05:30		5	**48**			1	18				
05:45		3	**54**	14	210	3	22	12	91	26	301
06:00		8	48			1	25				
06:15		6	34			8	14				
06:30		6	24			8	13				
06:45		16	24	36	130	5	17	22	69	58	199
07:00		10	26			12	21				
07:15		7	19			8	18				
07:30		**14**	16			20	11				
07:45		**20**	16	51	77	**25**	15	65	65	116	142
08:00		**26**	8			**19**	8				
08:15		**28**	18			**34**	14				
08:30		13	10			**22**	10				
08:45		16	7	83	43	22	9	97	41	180	84
09:00		14	11			15	10				
09:15		8	6			18	10				
09:30		13	9			14	8				
09:45		15	0	50	26	16	5	63	33	113	59
10:00		12	7			16	6				
10:15		21	5			10	2				
10:30		10	2			13	2				
10:45		6	1	49	15	9	4	48	14	97	29
11:00		12	5			12	1				
11:15		8	1			12	2				
11:30		15	3			20	2				
11:45		24	2	59	11	20	1	64	6	123	17
Total		370	1027	370	1027	391	694	391	694	761	1721
Combined Total		1397		1397		1085		1085		2482	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	88	-	-	-	100	-	-	-	-	-
P.H.F.		0.786				0.735					
PM Peak	-	-	05:00	-	-	-	04:30	-	-	-	-
Vol.	-	-	210	-	-	-	97	-	-	-	-
P.H.F.			0.938				0.898				
Percentage		26.5%	73.5%			36.0%	64.0%				
ADT/AADT		ADT 2,482		AADT 2,482							

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City of Redlands
Brockton Avenue
B/ Church Street - Judson Street
24 Hour Directional Volume Count

RED013
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	35			4	28				
12:15		5	30			2	41				
12:30		1	34			5	26				
12:45		0	32	6	131	1	44	12	139	18	270
01:00		3	46			1	42				
01:15		3	18			0	36				
01:30		2	24			0	28				
01:45		2	28	10	116	1	44	2	150	12	266
02:00		0	38			0	22				
02:15		2	38			2	36				
02:30		0	48			1	42				
02:45		0	58	2	182	2	44	5	144	7	326
03:00		2	34			2	40				
03:15		1	54			4	33				
03:30		0	46			3	**80**				
03:45		1	58	4	192	2	**61**	11	214	15	406
04:00		0	68			4	**49**				
04:15		0	48			3	**39**				
04:30		2	58			1	41				
04:45		1	52	3	226	6	29	14	158	17	384
05:00		3	**62**			7	32				
05:15		2	**63**			13	41				
05:30		2	**56**			9	41				
05:45		4	**60**	11	241	22	46	51	160	62	401
06:00		5	46			9	36				
06:15		4	43			14	36				
06:30		11	62			25	36				
06:45		12	56	32	207	23	31	71	139	103	346
07:00		12	38			36	26				
07:15		14	28			40	25				
07:30		25	21			36	26				
07:45		**29**	52	80	139	**82**	28	194	105	274	244
08:00		**50**	32			**56**	30				
08:15		**44**	33			**60**	24				
08:30		**26**	37			**52**	24				
08:45		15	24	135	126	39	13	207	91	342	217
09:00		22	28			45	17				
09:15		27	18			46	37				
09:30		20	14			32	29				
09:45		29	16	98	76	25	12	148	95	246	171
10:00		16	24			24	17				
10:15		24	12			27	14				
10:30		20	10			30	8				
10:45		34	10	94	56	40	7	121	46	215	102
11:00		19	12			32	5				
11:15		22	8			34	3				
11:30		24	6			26	3				
11:45		24	3	89	29	26	2	118	13	207	42
Total		564	1721	564	1721	954	1454	954	1454	1518	3175
Combined Total		2285		2285		2408		2408		4693	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	149	-	-	-	250	-	-	-	-	-
P.H.F.		0.745				0.762					
PM Peak	-	-	05:00	-	-	-	03:30	-	-	-	-
Vol.	-	-	241	-	-	-	229	-	-	-	-
P.H.F.			0.956				0.716				
Percentage		24.7%	75.3%			39.6%	60.4%				
ADT/AADT		ADT 4,693		AADT 4,693							

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City of Redlands
Brockton Avenue
B/ Judson Street - Wabash Avenue
24 Hour Directional Volume Count

RED014
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	16			4	19				
12:15		1	18			0	12				
12:30		6	16			4	26				
12:45		2	15	12	65	0	21	8	78	20	143
01:00		2	12			3	6				
01:15		1	12			0	14				
01:30		1	12			0	15				
01:45		1	14	5	50	0	28	3	63	8	113
02:00		0	12			1	24				
02:15		0	14			0	28				
02:30		0	19			4	24				
02:45		1	18	1	63	0	21	5	97	6	160
03:00		0	30			1	**22**				
03:15		0	44			0	**24**				
03:30		0	24			0	**64**				
03:45		0	25	0	123	0	**41**	1	151	1	274
04:00		0	20			1	21				
04:15		0	33			2	21				
04:30		1	30			3	22				
04:45		0	24	1	107	3	22	9	86	10	193
05:00		2	**30**			3	24				
05:15		0	**35**			3	26				
05:30		4	**38**			4	19				
05:45		4	**34**	10	137	6	22	16	91	26	228
06:00		3	25			6	16				
06:15		4	14			5	24				
06:30		6	14			12	21				
06:45		4	14	17	67	15	22	38	83	55	150
07:00		7	14			18	17				
07:15		22	10			32	13				
07:30		**18**	10			20	16				
07:45		**24**	8	71	42	**34**	14	104	60	175	102
08:00		**37**	16			**36**	14				
08:15		**32**	8			**56**	14				
08:30		13	8			**35**	12				
08:45		12	11	94	43	12	10	139	50	233	93
09:00		5	10			28	8				
09:15		10	3			11	6				
09:30		10	3			14	9				
09:45		18	2	43	18	14	8	67	31	110	49
10:00		5	8			6	4				
10:15		9	3			16	2				
10:30		12	4			15	0				
10:45		11	1	37	16	10	2	47	8	84	24
11:00		15	3			26	2				
11:15		10	1			19	2				
11:30		8	2			22	1				
11:45		8	2	41	8	14	2	81	7	122	15
Total		332	739	332	739	518	805	518	805	850	1544
Combined Total		1071		1071		1323		1323		2394	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	111	-	-	-	161	-	-	-	-	-
P.H.F.		0.750				0.719					
PM Peak	-	-	05:00	-	-	-	03:00	-	-	-	-
Vol.	-	-	137	-	-	-	151	-	-	-	-
P.H.F.			0.901				0.590				
Percentage		31.0%	69.0%			39.2%	60.8%				
ADT/AADT		ADT 2,394		AADT 2,394							

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City of Redlands
Brookside Avenue
B/ Lakeside Avenue - Center Street
24 Hour Directional Volume Count

RED015
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		8	86			11	108				
12:15		5	94			9	107				
12:30		6	87			9	98				
12:45		8	77	27	344	4	98	33	411	60	755
01:00		6	107			9	97				
01:15		4	92			6	92				
01:30		3	92			6	120				
01:45		6	111	19	402	3	96	24	405	43	807
02:00		1	74			2	114				
02:15		6	104			4	95				
02:30		4	123			3	123				
02:45		6	102	17	403	5	123	14	455	31	858
03:00		0	114			3	**130**				
03:15		3	154			2	**106**				
03:30		1	146			1	**125**				
03:45		1	135	5	549	1	**168**	7	529	12	1078
04:00		1	127			5	111				
04:15		3	143			4	111				
04:30		4	142			7	115				
04:45		3	151	11	563	10	84	26	421	37	984
05:00		6	**158**			9	119				
05:15		4	**141**			15	124				
05:30		11	**167**			15	75				
05:45		16	**156**	37	622	12	109	51	427	88	1049
06:00		14	147			32	110				
06:15		23	147			29	99				
06:30		14	116			33	95				
06:45		26	146	77	556	57	98	151	402	228	958
07:00		36	106			64	76				
07:15		47	79			79	86				
07:30		54	81			122	85				
07:45		**84**	75	221	341	154	72	419	319	640	660
08:00		**140**	65			**149**	68				
08:15		**160**	68			**148**	62				
08:30		**137**	51			**135**	64				
08:45		71	41	508	225	**172**	60	604	254	1112	479
09:00		73	46			119	62				
09:15		73	30			98	40				
09:30		80	30			83	49				
09:45		81	30	307	136	86	41	386	192	693	328
10:00		102	17			84	20				
10:15		60	19			89	21				
10:30		84	20			81	28				
10:45		82	22	328	78	86	15	340	84	668	162
11:00		65	15			77	13				
11:15		77	13			94	11				
11:30		95	14			91	7				
11:45		84	5	321	47	92	4	354	35	675	82
Total		1878	4266	1878	4266	2409	3934	2409	3934	4287	8200
Combined Total		6144		6144		6343		6343		12487	
AM Peak	-	07:45	-	-	-	08:00	-	-	-	-	-
Vol.	-	521	-	-	-	604	-	-	-	-	-
P.H.F.		0.814				0.878					
PM Peak	-	-	05:00	-	-	-	03:00	-	-	-	-
Vol.	-	-	622	-	-	-	529	-	-	-	-
P.H.F.			0.931				0.787				
Percentage		30.6%	69.4%			38.0%	62.0%				
ADT/AADT		ADT 12,487		AADT 12,487							

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City of Redlands
Brookside Avenue
B/ Center Street - Eureka Street
24 Hour Directional Volume Count

RED016
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	86			8	98				
12:15		5	86			8	82				
12:30		6	72			5	80				
12:45		3	103	16	347	6	94	27	354	43	701
01:00		2	80			5	101				
01:15		3	84			2	88				
01:30		3	82			4	90				
01:45		0	95	8	341	3	76	14	355	22	696
02:00		3	99			4	94				
02:15		1	95			1	92				
02:30		0	90			1	108				
02:45		4	117	8	401	3	**120**	9	414	17	815
03:00		1	116			1	**104**				
03:15		1	141			2	**112**				
03:30		0	109			1	**154**				
03:45		0	145	2	511	2	102	6	472	8	983
04:00		2	132			2	96				
04:15		4	135			4	92				
04:30		2	135			6	78				
04:45		4	127	12	529	4	112	16	378	28	907
05:00		4	**148**			4	98				
05:15		11	**137**			12	112				
05:30		11	**139**			9	88				
05:45		25	**137**	51	561	26	89	51	387	102	948
06:00		18	116			24	91				
06:15		16	94			27	101				
06:30		15	91			36	83				
06:45		22	93	71	394	62	92	149	367	220	761
07:00		48	76			64	88				
07:15		58	73			96	65				
07:30		**85**	57			108	66				
07:45		**107**	62	298	268	**146**	68	414	287	712	555
08:00		**119**	36			**136**	61				
08:15		**105**	43			**140**	62				
08:30		76	36			**130**	63				
08:45		94	29	394	144	80	42	486	228	880	372
09:00		81	26			82	57				
09:15		80	22			74	42				
09:30		80	21			72	44				
09:45		86	16	327	85	89	25	317	168	644	253
10:00		64	20			64	36				
10:15		82	13			77	28				
10:30		97	10			86	29				
10:45		103	12	346	55	80	21	307	114	653	169
11:00		97	22			78	23				
11:15		95	8			66	16				
11:30		109	10			84	8				
11:45		108	12	409	52	102	10	330	57	739	109
Total		1942	3688	1942	3688	2126	3581	2126	3581	4068	7269
Combined Total		5630		5630		5707		5707		11337	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	416	-	-	-	552	-	-	-	-	-
P.H.F.		0.874				0.945					
PM Peak	-	-	05:00	-	-	-	02:45	-	-	-	-
Vol.	-	-	561	-	-	-	490	-	-	-	-
P.H.F.			0.948				0.795				
Percentage		34.5%	65.5%			37.3%	62.7%				
ADT/AADT		ADT 11,337		AADT 11,337							

Counts Unlimited, Inc

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City of Redlands
Cajon Street
B/ Vine Street - Fern Avenue
24 Hour Directional Volume Count

RED017
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		6	91			1	98				
12:15		12	69			7	72				
12:30		1	91			3	76				
12:45		4	80	23	331	3	71	14	317	37	648
01:00		3	71			1	88				
01:15		2	80			2	111				
01:30		3	104			0	82				
01:45		6	120	14	375	2	103	5	384	19	759
02:00		2	100			0	139				
02:15		2	73			2	161				
02:30		3	89			0	120				
02:45		3	101	10	363	1	84	3	504	13	867
03:00		1	93			1	**132**				
03:15		1	104			3	**107**				
03:30		1	110			5	**134**				
03:45		1	92	4	399	2	**172**	11	545	15	944
04:00		3	101			3	96				
04:15		1	90			5	96				
04:30		2	82			7	102				
04:45		2	**124**	8	397	10	96	25	390	33	787
05:00		1	**114**			14	103				
05:15		5	**94**			11	104				
05:30		8	**102**			19	95				
05:45		12	92	26	402	26	74	70	376	96	778
06:00		11	80			16	70				
06:15		18	86			42	66				
06:30		26	78			41	64				
06:45		46	66	101	310	52	60	151	260	252	570
07:00		42	64			71	56				
07:15		54	64			82	59				
07:30		90	42			98	55				
07:45		**114**	46	300	216	**116**	38	367	208	667	424
08:00		**96**	58			**125**	22				
08:15		**106**	58			**106**	44				
08:30		**102**	36			**115**	28				
08:45		92	31	396	183	107	14	453	108	849	291
09:00		76	47			96	20				
09:15		68	28			98	11				
09:30		78	34			82	14				
09:45		88	18	310	127	73	10	349	55	659	182
10:00		86	16			91	14				
10:15		70	14			98	9				
10:30		68	10			74	6				
10:45		94	8	318	48	112	2	375	31	693	79
11:00		76	13			92	4				
11:15		100	7			93	5				
11:30		84	14			90	2				
11:45		100	5	360	39	103	6	378	17	738	56
Total		1870	3190	1870	3190	2201	3195	2201	3195	4071	6385
Combined Total		5060		5060		5396		5396		10456	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	418	-	-	-	462	-	-	-	-	-
P.H.F.		0.917				0.924					
PM Peak	-	-	04:45	-	-	-	03:00	-	-	-	-
Vol.	-	-	434	-	-	-	545	-	-	-	-
P.H.F.			0.875				0.792				
Percentage		37.0%	63.0%			40.8%	59.2%				
ADT/AADT		ADT 10,456		AADT 10,456							

Counts Unlimited, Inc

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City of Redlands
Cajon Street
B/ Fern Avenue - Garden Street
24 Hour Directional Volume Count

RED018
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	50			0	47				
12:15		5	40			1	44				
12:30		2	60			2	41				
12:45		1	58	10	208	1	44	4	176	14	384
01:00		2	54			1	50				
01:15		2	48			2	48				
01:30		1	63			3	**44**				
01:45		2	68	7	233	0	**69**	6	211	13	444
02:00		1	52			0	**72**				
02:15		0	46			0	**66**				
02:30		1	56			0	40				
02:45		0	64	2	218	0	57	0	235	2	453
03:00		0	66			1	54				
03:15		0	63			1	61				
03:30		0	91			0	44				
03:45		0	74	0	294	1	50	3	209	3	503
04:00		1	64			1	34				
04:15		2	**86**			0	48				
04:30		0	**77**			2	46				
04:45		1	**94**	4	321	2	36	5	164	9	485
05:00		3	**94**			2	30				
05:15		5	85			2	52				
05:30		6	63			9	44				
05:45		8	87	22	329	7	38	20	164	42	493
06:00		6	68			10	30				
06:15		12	55			16	36				
06:30		11	58			22	48				
06:45		13	45	42	226	37	28	85	142	127	368
07:00		16	44			37	34				
07:15		46	38			62	23				
07:30		41	38			**91**	24				
07:45		28	36	131	156	**94**	19	284	100	415	256
08:00		46	27			**76**	13				
08:15		50	35			**80**	22				
08:30		48	22			57	16				
08:45		46	19	190	103	58	14	271	65	461	168
09:00		30	34			56	7				
09:15		33	16			48	8				
09:30		42	11			49	9				
09:45		42	13	147	74	51	9	204	33	351	107
10:00		36	5			54	6				
10:15		40	7			46	1				
10:30		46	3			38	4				
10:45		37	4	159	19	52	3	190	14	349	33
11:00		**48**	2			45	0				
11:15		**45**	1			43	0				
11:30		**54**	4			38	0				
11:45		**58**	0	205	7	56	2	182	2	387	9
Total		919	2188	919	2188	1254	1515	1254	1515	2173	3703
Combined Total		3107		3107		2769		2769		5876	
AM Peak	-	11:00	-	-	-	07:30	-	-	-	-	-
Vol.	-	205	-	-	-	341	-	-	-	-	-
P.H.F.		0.884				0.907					
PM Peak	-	-	04:15	-	-	-	01:30	-	-	-	-
Vol.	-	-	351	-	-	-	251	-	-	-	-
P.H.F.			0.934				0.872				
Percentage		29.6%	70.4%			45.3%	54.7%				
ADT/AADT		ADT 5,876		AADT 5,876							

Counts Unlimited, Inc

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City of Redlands
California Street
B/ Palmetto Avenue - Almond Avenue (SB)
24 Hour Directional Volume Count

RED019
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		8	33			3	35				
12:15		1	42			11	38				
12:30		6	71			4	40				
12:45		6	39	21	185	4	41	22	154	43	339
01:00		10	46			11	40				
01:15		5	41			4	56				
01:30		8	58			18	62				
01:45		11	40	34	185	2	45	35	203	69	388
02:00		16	42			8	44				
02:15		22	**60**			11	39				
02:30		10	**67**			25	**132**				
02:45		4	**74**	52	243	19	**63**	63	278	115	521
03:00		16	**56**			10	**50**				
03:15		15	46			12	**44**				
03:30		34	34			6	72				
03:45		68	52	133	188	16	32	44	198	177	386
04:00		16	47			10	36				
04:15		28	40			8	38				
04:30		62	54			44	70				
04:45		106	35	212	176	22	38	84	182	296	358
05:00		41	38			10	20				
05:15		**44**	32			13	32				
05:30		**64**	38			14	30				
05:45		**112**	25	261	133	27	33	64	115	325	248
06:00		**53**	30			16	20				
06:15		38	35			12	24				
06:30		39	28			10	42				
06:45		34	37	164	130	32	28	70	114	234	244
07:00		40	26			18	32				
07:15		52	30			35	14				
07:30		50	39			**30**	16				
07:45		44	34	186	129	**30**	20	113	82	299	211
08:00		34	24			**40**	24				
08:15		37	11			**42**	14				
08:30		36	8			26	12				
08:45		50	12	157	55	28	6	136	56	293	111
09:00		46	14			16	14				
09:15		71	17			28	21				
09:30		47	15			23	26				
09:45		40	6	204	52	30	16	97	77	301	129
10:00		45	12			36	14				
10:15		45	8			25	10				
10:30		48	3			33	22				
10:45		66	4	204	27	34	4	128	50	332	77
11:00		39	6			32	7				
11:15		50	7			33	14				
11:30		41	11			32	19				
11:45		44	14	174	38	30	14	127	54	301	92
Total		1802	1541	1802	1541	983	1563	983	1563	2785	3104
Combined Total		3343		3343		2546		2546		5889	
AM Peak	-	05:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	273	-	-	-	142	-	-	-	-	-
P.H.F.		0.609				0.845					
PM Peak	-	-	02:15	-	-	-	02:30	-	-	-	-
Vol.	-	-	257	-	-	-	289	-	-	-	-
P.H.F.			0.868				0.547				
Percentage		53.9%	46.1%			38.6%	61.4%				
ADT/AADT		ADT 5,889		AADT 5,889							

Counts Unlimited, Inc

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City of Redlands
California Street
B/ Almond Avenue - Redlands Boulevard
24 Hour Directional Volume Count

RED020
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	176			50	198				
12:15		10	160			31	200				
12:30		16	161			14	194				
12:45		10	154	46	651	12	152	107	744	153	1395
01:00		18	152			26	148				
01:15		20	174			22	170				
01:30		16	162			20	210				
01:45		23	178	77	666	24	160	92	688	169	1354
02:00		22	**180**			23	224				
02:15		35	**198**			32	187				
02:30		20	**208**			34	**266**				
02:45		16	**198**	93	784	27	**216**	116	893	209	1677
03:00		22	174			41	**250**				
03:15		53	152			21	**195**				
03:30		72	130			39	240				
03:45		82	172	229	628	21	156	122	841	351	1469
04:00		44	139			43	226				
04:15		68	148			24	213				
04:30		130	126			72	241				
04:45		140	144	382	557	44	174	183	854	565	1411
05:00		67	138			46	200				
05:15		122	128			41	157				
05:30		162	113			32	156				
05:45		182	118	533	497	56	150	175	663	708	1160
06:00		120	112			50	158				
06:15		150	150			44	97				
06:30		173	110			52	140				
06:45		206	96	649	468	62	138	208	533	857	1001
07:00		220	97			80	122				
07:15		171	94			91	92				
07:30		174	82			126	93				
07:45		**207**	68	772	341	106	70	403	377	1175	718
08:00		**196**	68			116	64				
08:15		**200**	49			109	62				
08:30		**184**	42			114	64				
08:45		191	43	771	202	124	64	463	254	1234	456
09:00		195	47			114	83				
09:15		204	38			149	68				
09:30		176	46			141	46				
09:45		170	42	745	173	100	43	504	240	1249	413
10:00		153	43			144	36				
10:15		168	34			171	54				
10:30		144	24			**160**	40				
10:45		186	26	651	127	**180**	25	655	155	1306	282
11:00		178	33			**164**	36				
11:15		148	22			**202**	48				
11:30		143	26			152	44				
11:45		162	25	631	106	179	32	697	160	1328	266
Total		5579	5200	5579	5200	3725	6402	3725	6402	9304	11602
Combined Total		10779		10779		10127		10127		20906	
AM Peak	-	07:45	-	-	-	10:30	-	-	-	-	-
Vol.	-	787	-	-	-	706	-	-	-	-	-
P.H.F.		0.950				0.874					
PM Peak	-	-	02:00	-	-	-	02:30	-	-	-	-
Vol.	-	-	784	-	-	-	927	-	-	-	-
P.H.F.			0.942				0.871				
Percentage		51.8%	48.2%			36.8%	63.2%				
ADT/AADT		ADT 20,906		AADT 20,906							

Counts Unlimited, Inc

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City of Redlands
Center Street
B/ State Street - Brookside Avenue
24 Hour Directional Volume Count

RED021
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	72			10	67				
12:15		4	76			8	70				
12:30		8	64			7	81				
12:45		4	68	26	280	4	68	29	286	55	566
01:00		3	53			4	67				
01:15		6	76			4	68				
01:30		1	66			3	80				
01:45		2	74	12	269	4	70	15	285	27	554
02:00		2	84			6	98				
02:15		2	87			2	79				
02:30		3	88			3	55				
02:45		1	74	8	333	3	79	14	311	22	644
03:00		2	92			3	74				
03:15		4	72			1	94				
03:30		2	76			3	105				
03:45		6	96	14	336	1	111	8	384	22	720
04:00		4	88			2	86				
04:15		3	77			2	105				
04:30		6	84			4	83				
04:45		4	74	17	323	4	**99**	12	373	29	696
05:00		10	89			11	**112**				
05:15		10	**107**			3	**116**				
05:30		10	**98**			6	**96**				
05:45		10	**78**	40	372	11	98	31	422	71	794
06:00		19	**102**			12	97				
06:15		30	68			23	96				
06:30		18	66			21	87				
06:45		24	58	91	294	29	81	85	361	176	655
07:00		38	56			33	75				
07:15		60	50			42	67				
07:30		58	55			64	76				
07:45		81	42	237	203	**84**	64	223	282	460	485
08:00		**119**	32			**86**	58				
08:15		**120**	33			**73**	53				
08:30		**112**	23			**76**	63				
08:45		**89**	32	440	120	64	44	299	218	739	338
09:00		84	15			64	37				
09:15		89	20			50	32				
09:30		85	17			44	24				
09:45		63	13	321	65	48	23	206	116	527	181
10:00		62	7			60	18				
10:15		60	17			42	16				
10:30		59	9			47	16				
10:45		75	4	256	37	52	11	201	61	457	98
11:00		70	14			62	9				
11:15		66	5			54	16				
11:30		63	7			49	13				
11:45		81	10	280	36	76	6	241	44	521	80
Total		1742	2668	1742	2668	1364	3143	1364	3143	3106	5811
Combined Total		4410		4410		4507		4507		8917	
AM Peak	-	08:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	440	-	-	-	319	-	-	-	-	-
P.H.F.		0.917				0.927					
PM Peak	-	-	05:15	-	-	-	04:45	-	-	-	-
Vol.	-	-	385	-	-	-	423	-	-	-	-
P.H.F.			0.900				0.912				
Percentage		39.5%	60.5%			30.3%	69.7%				
ADT/AADT		ADT 8,917		AADT 8,917							

Counts Unlimited, Inc

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City of Redlands
Center Street
B/ Brookside Avenue - Cypress Avenue
24 Hour Directional Volume Count

RED022
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	60			5	2				
12:15		2	54			3	2				
12:30		4	53			5	4				
12:45		3	47	9	214	3	4	16	12	25	226
01:00		4	64			2	23				
01:15		0	36			3	45				
01:30		3	50			3	60				
01:45		1	55	8	205	4	74	12	202	20	407
02:00		1	71			1	45				
02:15		4	81			2	42				
02:30		1	64			2	64				
02:45		1	60	7	276	3	66	8	217	15	493
03:00		2	51			1	88				
03:15		2	50			1	108				
03:30		4	83			3	85				
03:45		2	62	10	246	1	61	6	342	16	588
04:00		5	50			4	88				
04:15		2	57			2	75				
04:30		2	**67**			1	**94**				
04:45		10	**80**	19	254	3	**85**	10	342	29	596
05:00		7	**62**			5	**95**				
05:15		7	**73**			4	**82**				
05:30		7	58			6	91				
05:45		17	76	38	269	12	74	27	342	65	611
06:00		20	34			15	82				
06:15		12	47			18	69				
06:30		28	54			22	59				
06:45		40	40	100	175	22	58	77	268	177	443
07:00		42	32			**40**	48				
07:15		47	38			**48**	55				
07:30		66	50			**68**	50				
07:45		78	31	233	151	**41**	47	197	200	430	351
08:00		**96**	26			28	36				
08:15		**66**	20			12	50				
08:30		**102**	31			8	37				
08:45		**80**	11	344	88	2	27	50	150	394	238
09:00		59	10			6	20				
09:15		63	9			2	19				
09:30		48	11			4	14				
09:45		65	7	235	37	2	15	14	68	249	105
10:00		53	12			4	10				
10:15		52	7			2	15				
10:30		52	3			2	9				
10:45		56	5	213	27	2	5	10	39	223	66
11:00		59	4			2	9				
11:15		52	5			3	9				
11:30		55	7			8	6				
11:45		64	7	230	23	6	7	19	31	249	54
Total		1446	1965	1446	1965	446	2213	446	2213	1892	4178
Combined Total		3411		3411		2659		2659		6070	
AM Peak	-	08:00	-	-	-	07:00	-	-	-	-	-
Vol.	-	344	-	-	-	197	-	-	-	-	-
P.H.F.		0.843				0.724					
PM Peak	-	-	04:30	-	-	-	04:30	-	-	-	-
Vol.	-	-	282	-	-	-	356	-	-	-	-
P.H.F.			0.849				0.937				
Percentage		42.4%	57.6%			16.8%	83.2%				
ADT/AADT		ADT 6,070		AADT 6,070							

Counts Unlimited, Inc

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City of Redlands
Center Street
B/ Cypress Avenue - Crescent Avenue
24 Hour Directional Volume Count

RED023
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	43			4	44				
12:15		1	33			4	32				
12:30		3	46			2	44				
12:45		0	36	7	158	2	38	12	158	19	316
01:00		1	38			4	40				
01:15		1	28			2	58				
01:30		0	26			3	58				
01:45		2	51	4	143	4	54	13	210	17	353
02:00		0	69			1	56				
02:15		1	43			1	50				
02:30		1	60			0	65				
02:45		1	54	3	226	0	64	2	235	5	461
03:00		2	52			2	84				
03:15		2	68			2	80				
03:30		0	52			0	96				
03:45		3	32	7	204	0	52	4	312	11	516
04:00		3	62			1	78				
04:15		3	60			1	75				
04:30		9	39			1	**84**				
04:45		4	**68**	19	229	1	**79**	4	316	23	545
05:00		7	**52**			12	**100**				
05:15		2	**74**			11	**89**				
05:30		16	**64**			6	62				
05:45		19	49	44	239	10	73	39	324	83	563
06:00		14	52			17	70				
06:15		21	36			19	70				
06:30		9	50			26	44				
06:45		44	32	88	170	28	50	90	234	178	404
07:00		66	32			**42**	45				
07:15		70	29			**54**	54				
07:30		**92**	29			**64**	42				
07:45		**94**	27	322	117	**52**	38	212	179	534	296
08:00		**80**	18			40	45				
08:15		**87**	20			38	38				
08:30		56	21			45	33				
08:45		47	18	270	77	28	23	151	139	421	216
09:00		42	14			26	25				
09:15		66	10			30	17				
09:30		49	4			34	17				
09:45		50	8	207	36	27	8	117	67	324	103
10:00		33	7			27	11				
10:15		40	5			40	11				
10:30		45	4			26	12				
10:45		46	3	164	19	32	4	125	38	289	57
11:00		29	6			32	7				
11:15		60	1			25	3				
11:30		48	4			25	5				
11:45		54	0	191	11	38	6	120	21	311	32
Total		1326	1629	1326	1629	889	2233	889	2233	2215	3862
Combined Total		2955		2955		3122		3122		6077	
AM Peak	-	07:30	-	-	-	07:00	-	-	-	-	-
Vol.	-	353	-	-	-	212	-	-	-	-	-
P.H.F.		0.939				0.828					
PM Peak	-	-	04:45	-	-	-	04:30	-	-	-	-
Vol.	-	-	258	-	-	-	352	-	-	-	-
P.H.F.			0.872				0.880				
Percentage		44.9%	55.1%			28.5%	71.5%				
ADT/AADT		ADT 6,077		AADT 6,077							

Counts Unlimited, Inc

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City of Redlands
Center Street
B/ Crescent Avenue - Ridge Street
24 Hour Directional Volume Count

RED024
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	7			0	8				
12:15		0	8			0	6				
12:30		0	10			0	1				
12:45		0	11	2	36	0	7	0	22	2	58
01:00		2	2			2	4				
01:15		1	3			0	8				
01:30		1	4			1	2				
01:45		0	7	4	16	0	7	3	21	7	37
02:00		1	7			0	5				
02:15		0	3			0	8				
02:30		0	12			1	5				
02:45		2	5	3	27	0	8	1	26	4	53
03:00		0	14			0	4				
03:15		0	5			0	6				
03:30		0	10			0	8				
03:45		0	3	0	32	1	6	1	24	1	56
04:00		0	9			1	5				
04:15		0	9			0	8				
04:30		0	7			1	6				
04:45		0	**9**	0	34	0	2	2	21	2	55
05:00		1	**10**			0	3				
05:15		0	**9**			1	**10**				
05:30		0	**10**			1	**6**				
05:45		2	9	3	38	2	**7**	4	26	7	64
06:00		0	7			3	**6**				
06:15		2	6			3	2				
06:30		4	10			6	4				
06:45		4	10	10	33	3	6	15	18	25	51
07:00		2	5			8	4				
07:15		6	10			14	3				
07:30		6	8			**18**	6				
07:45		**8**	5	22	28	**12**	0	52	13	74	41
08:00		**7**	6			**11**	3				
08:15		**7**	5			**16**	2				
08:30		**11**	1			16	0				
08:45		8	3	33	15	9	0	52	5	85	20
09:00		6	8			3	1				
09:15		7	3			14	3				
09:30		4	2			11	1				
09:45		6	5	23	18	11	1	39	6	62	24
10:00		6	2			5	1				
10:15		6	0			4	0				
10:30		10	1			2	1				
10:45		5	1	27	4	8	0	19	2	46	6
11:00		7	1			3	0				
11:15		3	0			5	1				
11:30		4	2			8	0				
11:45		3	0	17	3	6	0	22	1	39	4
Total		144	284	144	284	210	185	210	185	354	469
Combined Total		428		428		395		395		823	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	33	-	-	-	57	-	-	-	-	-
P.H.F.		0.750				0.792					
PM Peak	-	-	04:45	-	-	-	05:15	-	-	-	-
Vol.	-	-	38	-	-	-	29	-	-	-	-
P.H.F.			0.679				0.725				
Percentage		33.6%	66.4%			53.2%	46.8%				
ADT/AADT		ADT 823		AADT 823							

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City of Redlands
Central Avenue
B/ University Street - Judson Street
24 Hour Directional Volume Count

RED025
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	10			2	16				
12:15		3	11			1	21				
12:30		6	6			4	20				
12:45		2	8	12	35	2	24	9	81	21	116
01:00		2	11			1	22				
01:15		2	8			1	21				
01:30		3	14			0	18				
01:45		2	11	9	44	1	28	3	89	12	133
02:00		0	16			3	20				
02:15		0	11			0	28				
02:30		1	8			0	27				
02:45		2	9	3	44	6	41	9	116	12	160
03:00		2	11			2	23				
03:15		0	18			4	33				
03:30		0	16			9	25				
03:45		1	5	3	50	7	**48**	22	129	25	179
04:00		1	10			8	**33**				
04:15		0	6			7	**36**				
04:30		2	18			5	**33**				
04:45		2	13	5	47	9	24	29	126	34	173
05:00		0	12			13	31				
05:15		3	10			8	27				
05:30		0	14			17	32				
05:45		2	12	5	48	14	25	52	115	57	163
06:00		5	12			16	24				
06:15		5	6			18	16				
06:30		2	12			26	28				
06:45		6	14	18	44	28	25	88	93	106	137
07:00		8	14			35	27				
07:15		8	14			46	26				
07:30		8	5			48	14				
07:45		**12**	**10**	36	43	**70**	16	199	83	235	126
08:00		**13**	**28**			**47**	18				
08:15		**18**	**18**			**55**	23				
08:30		**13**	**8**			**54**	16				
08:45		12	5	56	59	51	17	207	74	263	133
09:00		7	7			26	10				
09:15		6	19			24	10				
09:30		6	7			15	7				
09:45		10	7	29	40	34	10	99	37	128	77
10:00		10	5			31	10				
10:15		6	9			23	12				
10:30		8	2			23	5				
10:45		5	0	29	16	34	4	111	31	140	47
11:00		3	1			31	8				
11:15		10	3			16	1				
11:30		15	3			21	8				
11:45		8	6	36	13	21	2	89	19	125	32
Total		241	483	241	483	917	993	917	993	1158	1476
Combined Total		724		724		1910		1910		2634	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	56	-	-	-	226	-	-	-	-	-
P.H.F.		0.778				0.807					
PM Peak	-	-	07:45	-	-	-	03:45	-	-	-	-
Vol.	-	-	64	-	-	-	150	-	-	-	-
P.H.F.			0.571				0.781				
Percentage		33.3%	66.7%			48.0%	52.0%				
ADT/AADT		ADT 2,634		AADT 2,634							

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City of Redlands
Church Street
B/ Pioneer Avenue - Redlands Boulevard
24 Hour Directional Volume Count

RED026
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	67			4	50				
12:15		4	65			3	64				
12:30		3	70			2	60				
12:45		3	68	14	270	5	68	14	242	28	512
01:00		0	78			0	73				
01:15		0	78			4	44				
01:30		0	100			2	60				
01:45		2	60	2	316	1	73	7	250	9	566
02:00		2	71			1	**78**				
02:15		1	81			3	**86**				
02:30		2	110			4	**86**				
02:45		1	80	6	342	1	**74**	9	324	15	666
03:00		0	86			2	62				
03:15		0	92			6	78				
03:30		5	72			3	70				
03:45		6	72	11	322	12	92	23	302	34	624
04:00		4	**107**			12	72				
04:15		7	**114**			14	69				
04:30		12	**105**			18	61				
04:45		8	**84**	31	410	24	54	68	256	99	666
05:00		16	78			22	61				
05:15		19	76			34	56				
05:30		24	80			25	51				
05:45		36	70	95	304	46	75	127	243	222	547
06:00		35	61			46	65				
06:15		48	60			57	43				
06:30		63	62			**72**	39				
06:45		**70**	68	216	251	**89**	46	264	193	480	444
07:00		**98**	39			**96**	43				
07:15		**101**	34			**86**	34				
07:30		**76**	32			67	26				
07:45		55	31	330	136	54	27	303	130	633	266
08:00		42	32			44	28				
08:15		51	30			60	25				
08:30		53	26			57	16				
08:45		49	21	195	109	63	14	224	83	419	192
09:00		49	16			60	23				
09:15		48	13			40	14				
09:30		72	11			48	9				
09:45		54	14	223	54	36	6	184	52	407	106
10:00		54	16			46	7				
10:15		50	10			46	6				
10:30		56	9			46	8				
10:45		58	3	218	38	58	6	196	27	414	65
11:00		54	6			58	6				
11:15		46	5			56	6				
11:30		44	3			48	8				
11:45		52	5	196	19	62	2	224	22	420	41
Total		1537	2571	1537	2571	1643	2124	1643	2124	3180	4695
Combined Total		4108		4108		3767		3767		7875	
AM Peak	-	06:45	-	-	-	06:30	-	-	-	-	-
Vol.	-	345	-	-	-	343	-	-	-	-	-
P.H.F.		0.854				0.893					
PM Peak	-	-	04:00	-	-	-	02:00	-	-	-	-
Vol.	-	-	410	-	-	-	324	-	-	-	-
P.H.F.			0.899				0.942				
Percentage		37.4%	62.6%			43.6%	56.4%				
ADT/AADT		ADT 7,875		AADT 7,875							

Counts Unlimited, Inc

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City of Redlands
Citrus Avenue
B/ Eureka Street - Orange Street
24 Hour Directional Volume Count

RED027
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	110			4	93				
12:15		6	78			3	85				
12:30		3	124			5	84				
12:45		2	100	14	412	2	80	14	342	28	754
01:00		0	84			1	81				
01:15		2	102			1	96				
01:30		1	94			1	103				
01:45		0	112	3	392	3	91	6	371	9	763
02:00		0	122			3	83				
02:15		2	154			0	79				
02:30		1	120			0	**132**				
02:45		3	117	6	513	2	**102**	5	396	11	909
03:00		3	**132**			3	**95**				
03:15		5	**129**			5	**85**				
03:30		5	**146**			2	84				
03:45		3	**167**	16	574	5	90	15	354	31	928
04:00		8	130			10	98				
04:15		10	126			2	71				
04:30		15	146			8	79				
04:45		9	134	42	536	20	90	40	338	82	874
05:00		24	134			16	64				
05:15		16	106			15	70				
05:30		16	104			34	78				
05:45		47	112	103	456	34	65	99	277	202	733
06:00		47	78			41	58				
06:15		60	58			79	70				
06:30		**82**	58			108	48				
06:45		**102**	58	291	252	**112**	44	340	220	631	472
07:00		**138**	47			**92**	44				
07:15		**146**	28			**110**	46				
07:30		70	43			**126**	39				
07:45		81	29	435	147	87	24	415	153	850	300
08:00		72	36			81	34				
08:15		92	23			66	34				
08:30		66	28			74	26				
08:45		84	19	314	106	68	19	289	113	603	219
09:00		84	16			64	27				
09:15		79	18			59	10				
09:30		79	9			69	12				
09:45		72	14	314	57	78	10	270	59	584	116
10:00		84	10			79	10				
10:15		101	11			76	5				
10:30		93	4			80	7				
10:45		83	8	361	33	88	7	323	29	684	62
11:00		76	6			74	9				
11:15		94	5			82	4				
11:30		78	2			74	4				
11:45		104	5	352	18	86	4	316	21	668	39
Total		2251	3496	2251	3496	2132	2673	2132	2673	4383	6169
Combined Total		5747		5747		4805		4805		10552	
AM Peak	-	06:30	-	-	-	06:45	-	-	-	-	-
Vol.	-	468	-	-	-	440	-	-	-	-	-
P.H.F.		0.801				0.873					
PM Peak	-	-	03:00	-	-	-	02:30	-	-	-	-
Vol.	-	-	574	-	-	-	414	-	-	-	-
P.H.F.			0.859				0.784				
Percentage		39.2%	60.8%			44.4%	55.6%				
ADT/AADT		ADT 10,552		AADT 10,552							

Counts Unlimited, Inc

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City of Redlands
Citrus Avenue
B/ Redlands Boulevard - University Street
24 Hour Directional Volume Count

RED028
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	74			6	76				
12:15		8	79			5	87				
12:30		10	76			8	54				
12:45		6	57	34	286	8	83	27	300	61	586
01:00		5	80			1	62				
01:15		7	67			5	60				
01:30		7	72			7	54				
01:45		4	62	23	281	3	64	16	240	39	521
02:00		3	78			3	72				
02:15		4	78			4	90				
02:30		3	89			3	72				
02:45		3	73	13	318	4	62	14	296	27	614
03:00		1	87			6	**88**				
03:15		4	128			4	**98**				
03:30		2	176			2	**104**				
03:45		4	116	11	507	4	**102**	16	392	27	899
04:00		1	129			8	63				
04:15		3	110			3	79				
04:30		5	126			4	82				
04:45		5	125	14	490	17	86	32	310	46	800
05:00		7	**148**			10	61				
05:15		5	**130**			15	73				
05:30		5	**142**			24	52				
05:45		14	**130**	31	550	20	74	69	260	100	810
06:00		15	112			16	70				
06:15		10	86			31	81				
06:30		18	116			44	47				
06:45		22	92	65	406	46	55	137	253	202	659
07:00		25	88			66	66				
07:15		48	70			117	65				
07:30		73	84			100	52				
07:45		**58**	80	204	322	**132**	56	415	239	619	561
08:00		**111**	67			**159**	50				
08:15		**160**	43			**187**	47				
08:30		**136**	44			**110**	35				
08:45		51	50	458	204	74	34	530	166	988	370
09:00		43	39			70	35				
09:15		56	50			70	28				
09:30		64	36			59	26				
09:45		44	21	207	146	80	17	279	106	486	252
10:00		56	22			46	10				
10:15		49	20			76	18				
10:30		54	19			64	16				
10:45		60	14	219	75	63	15	249	59	468	134
11:00		60	18			48	18				
11:15		66	19			57	10				
11:30		50	14			72	13				
11:45		50	14	226	65	70	10	247	51	473	116
Total		1505	3650	1505	3650	2031	2672	2031	2672	3536	6322
Combined Total		5155		5155		4703		4703		9858	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	465	-	-	-	588	-	-	-	-	-
P.H.F.		0.727				0.786					
PM Peak	-	-	05:00	-	-	-	03:00	-	-	-	-
Vol.	-	-	550	-	-	-	392	-	-	-	-
P.H.F.			0.781				0.942				
Percentage		29.2%	70.8%			43.2%	56.8%				
ADT/AADT		ADT 9,858		AADT 9,858							

Counts Unlimited, Inc

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City of Redlands
Citrus Avenue
B/ University Street - Wabash Avenue
24 Hour Directional Volume Count

RED029
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		7	85			1	52				
12:15		4	62			6	47				
12:30		7	61			1	59				
12:45		12	74	30	282	4	75	12	233	42	515
01:00		4	74			3	53				
01:15		10	86			3	48				
01:30		4	82			5	57				
01:45		2	82	20	324	5	60	16	218	36	542
02:00		3	73			2	78				
02:15		4	103			1	81				
02:30		1	101			2	62				
02:45		4	91	12	368	2	57	7	278	19	646
03:00		1	**117**			1	**76**				
03:15		2	**135**			6	**78**				
03:30		2	**141**			7	**145**				
03:45		7	**123**	12	516	3	**86**	17	385	29	901
04:00		2	112			2	67				
04:15		5	115			7	58				
04:30		11	126			17	46				
04:45		3	122	21	475	24	76	50	247	71	722
05:00		5	120			11	74				
05:15		5	127			13	72				
05:30		10	117			23	56				
05:45		11	113	31	477	19	45	66	247	97	724
06:00		10	98			27	48				
06:15		14	73			34	57				
06:30		26	125			35	56				
06:45		41	108	91	404	52	51	148	212	239	616
07:00		39	75			88	59				
07:15		52	65			98	32				
07:30		78	79			**146**	33				
07:45		**107**	68	276	287	**150**	26	482	150	758	437
08:00		**116**	61			**169**	26				
08:15		**86**	53			**144**	32				
08:30		**83**	45			112	29				
08:45		67	45	352	204	80	16	505	103	857	307
09:00		63	43			70	14				
09:15		60	45			55	19				
09:30		50	32			48	8				
09:45		58	28	231	148	59	8	232	49	463	197
10:00		59	25			49	16				
10:15		43	19			57	7				
10:30		55	19			49	3				
10:45		68	17	225	80	54	1	209	27	434	107
11:00		68	13			57	5				
11:15		67	15			53	6				
11:30		68	20			55	3				
11:45		66	13	269	61	58	6	223	20	492	81
Total		1570	3626	1570	3626	1967	2169	1967	2169	3537	5795
Combined Total		5196		5196		4136		4136		9332	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	392	-	-	-	609	-	-	-	-	-
P.H.F.		0.845				0.901					
PM Peak	-	-	03:00	-	-	-	03:00	-	-	-	-
Vol.	-	-	516	-	-	-	385	-	-	-	-
P.H.F.			0.915				0.664				
Percentage		30.2%	69.8%			47.6%	52.4%				
ADT/AADT		ADT 9,332		AADT 9,332							

Counts Unlimited, Inc

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City of Redlands
Colton Avenue
B/ Redlands Boulevard - Church Street
24 Hour Directional Volume Count

RED030
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	116			3	101				
12:15		14	102			6	120				
12:30		14	105			8	106				
12:45		10	98	48	421	1	110	18	437	66	858
01:00		6	90			3	**112**				
01:15		4	94			1	**110**				
01:30		5	104			3	**124**				
01:45		4	120	19	408	1	**114**	8	460	27	868
02:00		2	104			2	104				
02:15		2	92			2	88				
02:30		6	89			1	125				
02:45		8	96	18	381	4	125	9	442	27	823
03:00		4	94			3	102				
03:15		4	146			4	83				
03:30		4	162			8	96				
03:45		4	147	16	549	4	112	19	393	35	942
04:00		1	143			2	94				
04:15		7	138			4	101				
04:30		6	140			6	82				
04:45		9	132	23	553	9	88	21	365	44	918
05:00		12	156			8	84				
05:15		5	160			14	68				
05:30		18	152			9	84				
05:45		10	**184**	45	652	18	82	49	318	94	970
06:00		26	**156**			18	67				
06:15		29	**160**			20	80				
06:30		46	**164**			20	66				
06:45		35	147	136	627	47	78	105	291	241	918
07:00		48	147			40	75				
07:15		60	148			72	58				
07:30		68	98			74	46				
07:45		75	108	251	501	100	46	286	225	537	726
08:00		84	106			92	48				
08:15		99	99			84	42				
08:30		99	69			86	38				
08:45		**94**	72	376	346	84	33	346	161	722	507
09:00		**106**	48			72	26				
09:15		**96**	65			79	28				
09:30		**122**	37			100	26				
09:45		77	32	401	182	92	21	343	101	744	283
10:00		93	38			84	22				
10:15		107	35			94	18				
10:30		86	19			72	21				
10:45		66	20	352	112	84	20	334	81	686	193
11:00		70	44			**88**	14				
11:15		80	34			**109**	7				
11:30		72	16			**116**	6				
11:45		90	10	312	104	**122**	10	435	37	747	141
Total		1997	4836	1997	4836	1973	3311	1973	3311	3970	8147
Combined Total		6833		6833		5284		5284		12117	
AM Peak	-	08:45	-	-	-	11:00	-	-	-	-	-
Vol.	-	418	-	-	-	435	-	-	-	-	-
P.H.F.		0.857				0.891					
PM Peak	-	-	05:45	-	-	-	01:00	-	-	-	-
Vol.	-	-	664	-	-	-	460	-	-	-	-
P.H.F.			0.902				0.927				
Percentage		29.2%	70.8%			37.3%	62.7%				
ADT/AADT		ADT 12,117		AADT 12,117							

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City of Redlands
Colton Avenue
B/ Church Street - Grove Street
24 Hour Directional Volume Count

RED031
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	54			6	39				
12:15		4	46			2	43				
12:30		4	36			2	47				
12:45		3	51	13	187	2	39	12	168	25	355
01:00		2	66			2	44				
01:15		3	48			1	40				
01:30		1	48			1	43				
01:45		2	45	8	207	1	51	5	178	13	385
02:00		2	63			2	**65**				
02:15		3	72			0	**53**				
02:30		3	51			0	**52**				
02:45		0	70	8	256	0	**70**	2	240	10	496
03:00		1	78			3	60				
03:15		0	74			2	48				
03:30		2	**100**			0	48				
03:45		0	**94**	3	346	1	71	6	227	9	573
04:00		1	**100**			4	58				
04:15		1	**86**			2	56				
04:30		2	88			2	37				
04:45		3	88	7	362	5	47	13	198	20	560
05:00		2	88			7	49				
05:15		2	102			2	56				
05:30		4	91			9	48				
05:45		3	78	11	359	8	48	26	201	37	560
06:00		3	106			13	38				
06:15		9	78			12	35				
06:30		6	48			12	58				
06:45		10	81	28	313	18	45	55	176	83	489
07:00		18	62			32	44				
07:15		11	70			38	38				
07:30		42	52			64	38				
07:45		**54**	42	125	226	**84**	36	218	156	343	382
08:00		**48**	46			**68**	32				
08:15		**62**	48			**88**	34				
08:30		**82**	44			**74**	26				
08:45		39	42	231	180	69	19	299	111	530	291
09:00		19	32			54	20				
09:15		44	29			44	23				
09:30		34	30			38	24				
09:45		25	19	122	110	39	18	175	85	297	195
10:00		20	21			46	12				
10:15		34	28			46	16				
10:30		39	21			33	8				
10:45		40	10	133	80	36	9	161	45	294	125
11:00		42	12			48	12				
11:15		56	12			45	4				
11:30		34	10			42	5				
11:45		46	5	178	39	45	6	180	27	358	66
Total		867	2665	867	2665	1152	1812	1152	1812	2019	4477
Combined Total		3532		3532		2964		2964		6496	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	246	-	-	-	314	-	-	-	-	-
P.H.F.		0.750				0.892					
PM Peak	-	-	03:30	-	-	-	02:00	-	-	-	-
Vol.	-	-	380	-	-	-	240	-	-	-	-
P.H.F.			0.950				0.857				
Percentage		24.5%	75.5%			38.9%	61.1%				
ADT/AADT		ADT 6,496		AADT 6,496							

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City of Redlands
Colton Avenue
B/ Grove Street - Dearborn Street
24 Hour Directional Volume Count

RED032
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	65			7	62				
12:15		5	38			5	60				
12:30		9	50			2	56				
12:45		9	42	33	195	4	50	18	228	51	423
01:00		3	57			1	58				
01:15		8	52			2	49				
01:30		1	48			3	58				
01:45		4	52	16	209	12	64	18	229	34	438
02:00		5	61			3	42				
02:15		5	70			6	58				
02:30		5	57			3	80				
02:45		5	52	20	240	3	76	15	256	35	496
03:00		5	73			3	58				
03:15		6	94			1	58				
03:30		1	**103**			6	64				
03:45		2	**144**	14	414	10	**150**	20	330	34	744
04:00		2	**86**			14	**78**				
04:15		3	**108**			11	**70**				
04:30		3	82			12	**66**				
04:45		5	103	13	379	17	54	54	268	67	647
05:00		6	94			27	68				
05:15		6	81			20	64				
05:30		5	90			35	66				
05:45		6	88	23	353	41	58	123	256	146	609
06:00		9	98			42	71				
06:15		10	101			44	66				
06:30		16	80			57	70				
06:45		15	76	50	355	71	52	214	259	264	614
07:00		22	67			81	59				
07:15		24	71			82	50				
07:30		55	60			88	42				
07:45		47	60	148	258	**124**	40	375	191	523	449
08:00		**74**	50			**130**	32				
08:15		**106**	49			**111**	38				
08:30		**102**	52			**105**	20				
08:45		**62**	50	344	201	100	28	446	118	790	319
09:00		38	37			80	20				
09:15		26	40			76	14				
09:30		41	36			58	14				
09:45		38	38	143	151	52	13	266	61	409	212
10:00		37	27			54	9				
10:15		30	25			43	13				
10:30		50	22			46	11				
10:45		42	18	159	92	50	17	193	50	352	142
11:00		42	12			50	20				
11:15		53	19			58	10				
11:30		46	20			48	8				
11:45		35	12	176	63	55	8	211	46	387	109
Total		1139	2910	1139	2910	1953	2292	1953	2292	3092	5202
Combined Total		4049		4049		4245		4245		8294	
AM Peak	-	08:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	344	-	-	-	470	-	-	-	-	-
P.H.F.		0.811				0.904					
PM Peak	-	-	03:30	-	-	-	03:45	-	-	-	-
Vol.	-	-	441	-	-	-	364	-	-	-	-
P.H.F.			0.766				0.607				
Percentage		28.1%	71.9%			46.0%	54.0%				
ADT/AADT		ADT 8,294		AADT 8,294							

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City of Redlands
Colton Avenue
B/ Dearborn Street - Wabash Avenue
24 Hour Directional Volume Count

RED033
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	50			5	44				
12:15		4	40			4	54				
12:30		8	48			2	41				
12:45		3	42	25	180	2	44	13	183	38	363
01:00		5	51			2	58				
01:15		9	35			5	31				
01:30		1	44			10	46				
01:45		3	40	18	170	4	44	21	179	39	349
02:00		6	52			1	42				
02:15		3	56			4	51				
02:30		2	58			1	80				
02:45		3	38	14	204	1	69	7	242	21	446
03:00		2	66			4	48				
03:15		4	76			1	**57**				
03:30		1	**92**			1	**64**				
03:45		2	**98**	9	332	6	**120**	12	289	21	621
04:00		2	**76**			11	**66**				
04:15		3	**93**			11	55				
04:30		4	77			1	47				
04:45		4	90	13	336	12	62	35	230	48	566
05:00		4	85			16	50				
05:15		5	72			14	62				
05:30		6	81			23	52				
05:45		10	78	25	316	28	44	81	208	106	524
06:00		6	86			30	54				
06:15		14	78			30	57				
06:30		16	70			39	54				
06:45		26	54	62	288	49	57	148	222	210	510
07:00		18	48			48	52				
07:15		22	51			62	39				
07:30		54	42			71	26				
07:45		52	52	146	193	89	32	270	149	416	342
08:00		**97**	43			**100**	31				
08:15		**124**	38			**107**	31				
08:30		**122**	47			**117**	22				
08:45		**65**	40	408	168	**92**	24	416	108	824	276
09:00		36	27			63	16				
09:15		30	32			57	11				
09:30		32	32			43	11				
09:45		30	37	128	128	42	12	205	50	333	178
10:00		26	15			36	10				
10:15		20	25			38	10				
10:30		33	21			36	11				
10:45		32	14	111	75	33	17	143	48	254	123
11:00		34	6			28	16				
11:15		40	14			50	6				
11:30		48	13			42	8				
11:45		34	14	156	47	39	9	159	39	315	86
Total		1115	2437	1115	2437	1510	1947	1510	1947	2625	4384
Combined Total		3552		3552		3457		3457		7009	
AM Peak	-	08:00	-	-	-	08:00	-	-	-	-	-
Vol.	-	408	-	-	-	416	-	-	-	-	-
P.H.F.		0.823				0.889					
PM Peak	-	-	03:30	-	-	-	03:15	-	-	-	-
Vol.	-	-	359	-	-	-	307	-	-	-	-
P.H.F.			0.916				0.640				
Percentage		31.4%	68.6%			43.7%	56.3%				
ADT/AADT		ADT 7,009		AADT 7,009							

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City of Redlands
Crescent Avenue
B/ Ramona Drive - Serpentine Drive
24 Hour Directional Volume Count

RED034
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	37			8	51				
12:15		3	48			3	58				
12:30		2	45			3	62				
12:45		1	52	10	182	2	40	16	211	26	393
01:00		2	45			3	48				
01:15		4	30			1	66				
01:30		4	48			0	70				
01:45		3	48	13	171	5	68	9	252	22	423
02:00		1	68			1	42				
02:15		1	48			1	**105**				
02:30		2	49			0	**70**				
02:45		3	62	7	227	3	**56**	5	273	12	500
03:00		1	46			3	**96**				
03:15		1	66			6	58				
03:30		1	54			5	66				
03:45		2	78	5	244	3	82	17	302	22	546
04:00		3	43			2	90				
04:15		2	96			2	63				
04:30		4	61			6	72				
04:45		6	84	15	284	8	84	18	309	33	593
05:00		6	**97**			6	76				
05:15		5	**80**			11	88				
05:30		12	**81**			17	66				
05:45		21	**96**	44	354	14	64	48	294	92	648
06:00		19	87			24	62				
06:15		25	82			40	54				
06:30		32	50			42	59				
06:45		40	55	116	274	67	37	173	212	289	486
07:00		58	58			63	62				
07:15		36	34			74	60				
07:30		**70**	29			**114**	66				
07:45		**70**	26	234	147	**136**	76	387	264	621	411
08:00		**56**	22			**121**	35				
08:15		**65**	20			**80**	38				
08:30		66	8			110	37				
08:45		54	9	241	59	75	27	386	137	627	196
09:00		44	12			72	56				
09:15		56	18			47	28				
09:30		50	13			55	24				
09:45		50	7	200	50	52	7	226	115	426	165
10:00		52	8			50	16				
10:15		39	12			34	16				
10:30		33	14			56	6				
10:45		40	6	164	40	56	10	196	48	360	88
11:00		32	5			43	11				
11:15		54	7			44	14				
11:30		45	3			38	6				
11:45		42	5	173	20	45	7	170	38	343	58
Total		1222	2052	1222	2052	1651	2455	1651	2455	2873	4507
Combined Total		3274		3274		4106		4106		7380	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	261	-	-	-	451	-	-	-	-	-
P.H.F.		0.932				0.829					
PM Peak	-	-	05:00	-	-	-	02:15	-	-	-	-
Vol.	-	-	354	-	-	-	327	-	-	-	-
P.H.F.			0.912				0.779				
Percentage		37.3%	62.7%			40.2%	59.8%				
ADT/AADT		ADT 7,380		AADT 7,380							

Counts Unlimited, Inc

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City of Redlands
Crestview Road
B/ Ford Street - Buckingham Drive
24 Hour Directional Volume Count

RED035
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	1			0	2				
12:15		0	7			0	6				
12:30		0	3			0	4				
12:45		0	1	0	12	0	0	0	12	0	24
01:00		0	8			0	3				
01:15		0	3			0	5				
01:30		0	8			0	3				
01:45		0	1	0	20	0	3	0	14	0	34
02:00		0	4			0	3				
02:15		0	8			0	2				
02:30		0	2			0	4				
02:45		0	4	0	18	0	3	0	12	0	30
03:00		0	3			0	3				
03:15		1	9			0	7				
03:30		0	2			0	4				
03:45		1	5	2	19	0	2	0	16	2	35
04:00		0	4			0	3				
04:15		0	**6**			0	**6**				
04:30		1	**6**			0	**2**				
04:45		0	**10**	1	26	2	**3**	2	14	3	40
05:00		2	**7**			2	**8**				
05:15		0	6			0	2				
05:30		0	2			0	2				
05:45		2	6	4	21	0	4	2	16	6	37
06:00		0	3			2	6				
06:15		2	4			0	5				
06:30		2	7			0	4				
06:45		6	4	10	18	8	2	10	17	20	35
07:00		6	2			1	8				
07:15		5	3			2	1				
07:30		**13**	2			3	2				
07:45		**14**	1	38	8	4	8	10	19	48	27
08:00		**7**	0			2	2				
08:15		**8**	1			2	2				
08:30		1	1			**4**	2				
08:45		10	1	26	3	**10**	3	18	9	44	12
09:00		13	2			**3**	1				
09:15		4	0			**4**	4				
09:30		3	0			2	2				
09:45		6	0	26	2	0	1	9	8	35	10
10:00		4	0			7	0				
10:15		1	1			0	1				
10:30		5	0			1	0				
10:45		5	0	15	1	2	0	10	1	25	2
11:00		1	0			2	1				
11:15		8	0			4	0				
11:30		4	0			4	0				
11:45		2	0	15	0	8	0	18	1	33	1
Total		137	148	137	148	79	139	79	139	216	287
Combined Total		285		285		218		218		503	
AM Peak	-	07:30	-	-	-	08:30	-	-	-	-	-
Vol.	-	42	-	-	-	21	-	-	-	-	-
P.H.F.		0.750				0.525					
PM Peak	-	-	04:15	-	-	-	04:15	-	-	-	-
Vol.	-	-	29	-	-	-	19	-	-	-	-
P.H.F.			0.725				0.594				
Percentage		48.1%	51.9%			36.2%	63.8%				
ADT/AADT		ADT 503		AADT 503							

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City of Redlands
Cypress Avenue
B/ Terracina Boulevard - Center Street
24 Hour Directional Volume Count

RED036
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	34			2	40				
12:15		3	27			2	39				
12:30		1	31			2	44				
12:45		3	40	8	132	2	31	8	154	16	286
01:00		0	33			2	37				
01:15		2	32			0	45				
01:30		0	30			3	36				
01:45		1	31	3	126	1	45	6	163	9	289
02:00		2	59			2	38				
02:15		2	57			1	46				
02:30		1	67			0	46				
02:45		3	68	8	251	3	30	6	160	14	411
03:00		0	81			2	47				
03:15		2	84			4	**152**				
03:30		1	76			0	**104**				
03:45		2	70	5	311	4	**67**	10	370	15	681
04:00		1	71			2	**51**				
04:15		1	86			3	35				
04:30		3	**97**			3	53				
04:45		6	**87**	11	341	7	35	15	174	26	515
05:00		1	**109**			3	60				
05:15		4	**103**			9	37				
05:30		7	73			10	42				
05:45		6	59	18	344	21	44	43	183	61	527
06:00		10	34			17	49				
06:15		10	49			22	33				
06:30		16	42			34	33				
06:45		17	45	53	170	45	33	118	148	171	318
07:00		20	33			37	36				
07:15		39	34			49	22				
07:30		78	33			97	18				
07:45		**65**	26	202	126	**99**	18	282	94	484	220
08:00		**93**	19			**75**	21				
08:15		**95**	17			**137**	21				
08:30		**104**	13			**172**	25				
08:45		31	9	323	58	68	16	452	83	775	141
09:00		30	14			33	10				
09:15		34	7			33	13				
09:30		29	7			51	14				
09:45		30	5	123	33	35	5	152	42	275	75
10:00		34	11			26	7				
10:15		29	11			42	11				
10:30		29	8			32	4				
10:45		27	9	119	39	41	4	141	26	260	65
11:00		38	3			29	3				
11:15		31	2			31	1				
11:30		33	8			27	2				
11:45		44	6	146	19	45	2	132	8	278	27
Total		1019	1950	1019	1950	1365	1605	1365	1605	2384	3555
Combined Total		2969		2969		2970		2970		5939	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	357	-	-	-	483	-	-	-	-	-
P.H.F.		0.858				0.702					
PM Peak	-	-	04:30	-	-	-	03:15	-	-	-	-
Vol.	-	-	396	-	-	-	374	-	-	-	-
P.H.F.			0.908				0.615				
Percentage		34.3%	65.7%			46.0%	54.0%				
ADT/AADT		ADT 5,939		AADT 5,939							

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City of Redlands
Cypress Avenue
B/ Center Street - Redlands Boulevard
24 Hour Directional Volume Count

RED037
Site Code: 105-24810

Start Time	10/2/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	53			4	48				
12:15		0	44			4	46				
12:30		0	34			3	38				
12:45		1	45	3	176	2	58	13	190	16	366
01:00		0	56			1	48				
01:15		1	42			2	54				
01:30		5	46			3	46				
01:45		1	48	7	192	1	48	7	196	14	388
02:00		6	55			0	60				
02:15		2	76			0	64				
02:30		2	59			0	60				
02:45		0	61	10	251	0	54	0	238	10	489
03:00		3	62			3	**67**				
03:15		4	115			3	**81**				
03:30		5	130			3	**98**				
03:45		1	66	13	373	3	**64**	12	310	25	683
04:00		2	89			2	40				
04:15		4	82			2	52				
04:30		2	**117**			6	52				
04:45		5	**114**	13	402	8	64	18	208	31	610
05:00		1	**118**			7	64				
05:15		14	**117**			8	62				
05:30		14	96			10	54				
05:45		22	84	51	415	19	50	44	230	95	645
06:00		13	74			21	50				
06:15		24	56			30	49				
06:30		29	72			46	44				
06:45		34	50	100	252	64	34	161	177	261	429
07:00		44	38			72	31				
07:15		50	23			86	42				
07:30		**64**	44			69	37				
07:45		**98**	34	256	139	**92**	34	319	144	575	283
08:00		**90**	28			**90**	35				
08:15		**90**	20			**125**	22				
08:30		58	23			**114**	22				
08:45		52	16	290	87	65	27	394	106	684	193
09:00		44	17			48	21				
09:15		39	15			52	12				
09:30		50	11			58	24				
09:45		34	6	167	49	44	12	202	69	369	118
10:00		40	3			44	6				
10:15		46	10			44	12				
10:30		44	6			60	9				
10:45		61	7	191	26	44	4	192	31	383	57
11:00		40	3			38	5				
11:15		46	3			45	5				
11:30		48	6			47	2				
11:45		52	2	186	14	51	3	181	15	367	29
Total		1287	2376	1287	2376	1543	1914	1543	1914	2830	4290
Combined Total		3663		3663		3457		3457		7120	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	342	-	-	-	421	-	-	-	-	-
P.H.F.		0.872				0.842					
PM Peak	-	-	04:30	-	-	-	03:00	-	-	-	-
Vol.	-	-	466	-	-	-	310	-	-	-	-
P.H.F.			0.987				0.791				
Percentage		35.1%	64.9%			44.6%	55.4%				
ADT/AADT		ADT 7,120		AADT 7,120							

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City of Redlands
Cypress Avenue
B/ Redlands Boulevard - Citrus Avenue
24 Hour Directional Volume Count

RED038
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	57			9	72				
12:15		5	53			7	66				
12:30		2	52			3	64				
12:45		4	55	15	217	7	78	26	280	41	497
01:00		5	56			3	88				
01:15		3	47			2	91				
01:30		1	49			2	75				
01:45		2	54	11	206	2	76	9	330	20	536
02:00		2	57			4	74				
02:15		0	75			4	87				
02:30		2	54			2	86				
02:45		1	53	5	239	3	80	13	327	18	566
03:00		2	**95**			3	72				
03:15		8	**93**			2	**112**				
03:30		0	**110**			0	**118**				
03:45		6	**81**	16	379	6	**101**	11	403	27	782
04:00		3	64			2	**84**				
04:15		12	91			6	72				
04:30		6	74			8	80				
04:45		9	86	30	315	14	75	30	311	60	626
05:00		5	96			9	71				
05:15		11	103			9	70				
05:30		7	77			14	52				
05:45		8	55	31	331	21	67	53	260	84	591
06:00		19	63			23	73				
06:15		28	60			34	76				
06:30		31	49			41	68				
06:45		30	59	108	231	62	55	160	272	268	503
07:00		31	59			59	57				
07:15		39	61			78	48				
07:30		66	44			110	29				
07:45		**63**	31	199	195	**90**	35	337	169	536	364
08:00		**83**	31			**104**	38				
08:15		**92**	37			**189**	51				
08:30		**67**	32			**118**	40				
08:45		48	20	290	120	81	35	492	164	782	284
09:00		50	27			81	33				
09:15		41	26			52	36				
09:30		43	12			68	25				
09:45		41	12	175	77	74	23	275	117	450	194
10:00		47	11			70	20				
10:15		44	8			76	18				
10:30		42	19			91	16				
10:45		57	6	190	44	62	4	299	58	489	102
11:00		65	7			47	12				
11:15		41	3			63	10				
11:30		46	15			68	9				
11:45		61	3	213	28	68	5	246	36	459	64
Total		1283	2382	1283	2382	1951	2727	1951	2727	3234	5109
Combined Total		3665		3665		4678		4678		8343	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	305	-	-	-	501	-	-	-	-	-
P.H.F.		0.829				0.663					
PM Peak	-	-	03:00	-	-	-	03:15	-	-	-	-
Vol.	-	-	379	-	-	-	415	-	-	-	-
P.H.F.			0.861				0.879				
Percentage		35.0%	65.0%			41.7%	58.3%				
ADT/AADT		ADT 8,343		AADT 8,343							

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City of Redlands
Dearborn Street
B/ 5th Avenue - Colton Avenue
24 Hour Directional Volume Count

RED039
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	13			0	17				
12:15		0	15			0	18				
12:30		1	14			1	18				
12:45		1	14	3	56	1	18	2	71	5	127
01:00		0	14			0	12				
01:15		0	19			1	10				
01:30		0	20			1	15				
01:45		1	17	1	70	0	24	2	61	3	131
02:00		0	18			0	25				
02:15		1	22			1	33				
02:30		0	16			0	**29**				
02:45		0	22	1	78	0	**34**	1	121	2	199
03:00		0	**28**			0	**50**				
03:15		1	**99**			0	**80**				
03:30		2	**65**			1	29				
03:45		2	**28**	5	220	2	28	3	187	8	407
04:00		0	21			0	32				
04:15		1	16			0	31				
04:30		1	24			2	21				
04:45		5	26	7	87	5	29	7	113	14	200
05:00		1	24			0	39				
05:15		1	27			3	27				
05:30		4	35			5	32				
05:45		2	31	8	117	5	30	13	128	21	245
06:00		3	8			4	25				
06:15		8	17			7	24				
06:30		9	22			10	31				
06:45		7	16	27	63	10	29	31	109	58	172
07:00		18	13			14	18				
07:15		23	7			30	20				
07:30		42	5			26	11				
07:45		**38**	14	121	39	**31**	12	101	61	222	100
08:00		**36**	11			**53**	27				
08:15		**52**	10			**70**	17				
08:30		**69**	7			**47**	10				
08:45		28	4	185	32	22	8	192	62	377	94
09:00		15	6			13	10				
09:15		19	10			10	11				
09:30		15	9			15	6				
09:45		8	2	57	27	14	6	52	33	109	60
10:00		17	1			16	2				
10:15		14	2			13	6				
10:30		19	1			19	6				
10:45		15	6	65	10	21	3	69	17	134	27
11:00		13	1			11	2				
11:15		20	3			14	4				
11:30		17	1			23	3				
11:45		12	0	62	5	13	1	61	10	123	15
Total		542	804	542	804	534	973	534	973	1076	1777
Combined Total		1346		1346		1507		1507		2853	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	195	-	-	-	201	-	-	-	-	-
P.H.F.		0.707				0.718					
PM Peak	-	-	03:00	-	-	-	02:30	-	-	-	-
Vol.	-	-	220	-	-	-	193	-	-	-	-
P.H.F.			0.556				0.603				
Percentage		40.3%	59.7%			35.4%	64.6%				
ADT/AADT		ADT 2,853		AADT 2,853							

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City of Redlands
Dearborn Street
B/ Colton Avenue - Lugonia Avenue
24 Hour Directional Volume Count

RED040
Site Code: 105-24810

Start Time	10/2/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	21			1	12				
12:15		1	25			0	22				
12:30		1	16			1	29				
12:45		2	26	6	88	0	15	2	78	8	166
01:00		2	25			1	26				
01:15		3	19			4	26				
01:30		1	30			0	30				
01:45		0	36	6	110	1	23	6	105	12	215
02:00		1	32			0	22				
02:15		1	37			0	20				
02:30		0	31			2	33				
02:45		2	21	4	121	1	17	3	92	7	213
03:00		0	22			1	**36**				
03:15		1	**34**			0	**50**				
03:30		2	**54**			0	**33**				
03:45		0	**45**	3	155	2	**39**	3	158	6	313
04:00		1	**36**			0	25				
04:15		1	27			0	37				
04:30		0	30			2	36				
04:45		2	29	4	122	2	29	4	127	8	249
05:00		2	33			4	35				
05:15		3	32			4	24				
05:30		3	44			8	36				
05:45		6	29	14	138	7	32	23	127	37	265
06:00		6	32			9	40				
06:15		9	29			11	30				
06:30		9	47			13	28				
06:45		15	23	39	131	13	17	46	115	85	246
07:00		12	26			12	20				
07:15		17	23			30	21				
07:30		34	19			30	22				
07:45		**37**	18	100	86	**46**	21	118	84	218	170
08:00		**35**	20			**44**	14				
08:15		**29**	18			**34**	16				
08:30		**36**	12			**31**	13				
08:45		25	12	125	62	26	14	135	57	260	119
09:00		23	10			27	8				
09:15		23	14			31	7				
09:30		17	10			18	4				
09:45		20	8	83	42	23	7	99	26	182	68
10:00		20	4			18	3				
10:15		16	3			16	6				
10:30		20	4			18	3				
10:45		23	4	79	15	22	3	74	15	153	30
11:00		14	3			26	3				
11:15		17	2			11	0				
11:30		28	2			18	2				
11:45		24	1	83	8	12	3	67	8	150	16
Total		546	1078	546	1078	580	992	580	992	1126	2070
Combined Total		1624		1624		1572		1572		3196	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	137	-	-	-	155	-	-	-	-	-
P.H.F.		0.926				0.842					
PM Peak	-	-	03:15	-	-	-	03:00	-	-	-	-
Vol.	-	-	169	-	-	-	158	-	-	-	-
P.H.F.			0.782				0.790				
Percentage		33.6%	66.4%			36.9%	63.1%				
ADT/AADT		ADT 3,196		AADT 3,196							

Counts Unlimited, Inc

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City of Redlands
Dearborn Street
B/ Lugonia Avenue - San Bernardino Avenue
24 Hour Directional Volume Count

RED041
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	8			0	5				
12:15		0	10			0	13				
12:30		2	12			0	11				
12:45		1	12	3	42	0	11	0	40	3	82
01:00		0	11			0	6				
01:15		0	8			1	7				
01:30		1	7			1	3				
01:45		1	11	2	37	0	6	2	22	4	59
02:00		2	7			0	9				
02:15		0	9			0	13				
02:30		2	9			0	10				
02:45		0	14	4	39	1	14	1	46	5	85
03:00		0	13			0	10				
03:15		0	16			1	18				
03:30		1	22			0	19				
03:45		1	12	2	63	0	18	1	65	3	128
04:00		0	24			1	15				
04:15		0	6			1	23				
04:30		0	14			1	19				
04:45		3	12	3	56	1	24	4	81	7	137
05:00		3	18			0	24				
05:15		1	**26**			4	13				
05:30		6	**66**			0	28				
05:45		6	**66**	16	176	4	26	8	91	24	267
06:00		4	**20**			5	17				
06:15		5	18			2	**19**				
06:30		12	26			2	**12**				
06:45		10	35	31	99	6	**42**	15	90	46	189
07:00		22	18			7	**47**				
07:15		10	14			13	15				
07:30		**26**	10			14	8				
07:45		**18**	16	76	58	**18**	12	52	82	128	140
08:00		**24**	19			**25**	39				
08:15		**26**	13			**16**	23				
08:30		20	9			**18**	5				
08:45		20	5	90	46	10	9	69	76	159	122
09:00		10	4			10	5				
09:15		11	6			10	6				
09:30		8	4			6	3				
09:45		2	2	31	16	7	5	33	19	64	35
10:00		12	0			13	5				
10:15		18	2			12	5				
10:30		7	3			5	3				
10:45		10	3	47	8	4	1	34	14	81	22
11:00		9	0			6	3				
11:15		10	2			11	1				
11:30		10	6			10	0				
11:45		6	0	35	8	7	1	34	5	69	13
Total		340	648	340	648	253	631	253	631	593	1279
Combined Total		988		988		884		884		1872	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	94	-	-	-	77	-	-	-	-	-
P.H.F.		0.904				0.770					
PM Peak	-	-	05:15	-	-	-	06:15	-	-	-	-
Vol.	-	-	178	-	-	-	120	-	-	-	-
P.H.F.			0.674				0.638				
Percentage		34.4%	65.6%			28.6%	71.4%				
ADT/AADT		ADT 1,872		AADT 1,872							

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City of Redlands
Dearborn Street
B/ San Bernardino Avenue - Sessums Drive
24 Hour Directional Volume Count

RED042
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	8			0	6				
12:15		0	3			0	2				
12:30		0	7			1	4				
12:45		0	5	2	23	0	2	1	14	3	37
01:00		0	7			0	7				
01:15		0	4			1	6				
01:30		0	4			0	2				
01:45		1	3	1	18	0	6	1	21	2	39
02:00		1	5			0	3				
02:15		0	9			0	7				
02:30		0	9			0	4				
02:45		2	8	3	31	0	6	0	20	3	51
03:00		0	8			1	12				
03:15		0	7			0	5				
03:30		0	10			0	19				
03:45		1	12	1	37	0	16	1	52	2	89
04:00		0	12			1	13				
04:15		0	19			0	24				
04:30		1	14			1	21				
04:45		0	24	1	69	2	20	4	78	5	147
05:00		1	14			3	24				
05:15		1	12			0	26				
05:30		0	**30**			1	29				
05:45		2	**76**	4	132	1	64	5	143	9	275
06:00		1	**65**			3	41				
06:15		0	**25**			5	26				
06:30		1	27			3	**31**				
06:45		8	38	10	155	6	**24**	17	122	27	277
07:00		6	80			6	**91**				
07:15		11	28			2	**33**				
07:30		**14**	12			4	15				
07:45		**12**	10	43	130	**10**	12	22	151	65	281
08:00		**12**	17			**9**	15				
08:15		**12**	40			**10**	88				
08:30		5	9			**7**	34				
08:45		8	6	37	72	8	8	34	145	71	217
09:00		10	3			6	1				
09:15		2	1			5	4				
09:30		9	4			8	2				
09:45		6	3	27	11	1	2	20	9	47	20
10:00		2	3			3	8				
10:15		3	1			6	1				
10:30		7	2			1	2				
10:45		4	3	16	9	3	5	13	16	29	25
11:00		5	1			4	0				
11:15		5	1			5	2				
11:30		6	1			10	1				
11:45		6	2	22	5	2	0	21	3	43	8
Total		167	692	167	692	139	774	139	774	306	1466
Combined Total		859		859		913		913		1772	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	50	-	-	-	36	-	-	-	-	-
P.H.F.		0.893				0.900					
PM Peak	-	-	05:30	-	-	-	06:30	-	-	-	-
Vol.	-	-	196	-	-	-	179	-	-	-	-
P.H.F.			0.645				0.492				
Percentage		19.4%	80.6%			15.2%	84.8%				
ADT/AADT		ADT 1,772		AADT 1,772							

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City of Redlands
Elizabeth Street
B/ Garden Street - Crescent Avenue
24 Hour Directional Volume Count

RED043
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	14			0	11				
12:15		0	10			0	8				
12:30		1	9			0	12				
12:45		0	12	1	45	0	8	0	39	1	84
01:00		0	5			0	12				
01:15		1	6			0	9				
01:30		0	20			0	8				
01:45		1	21	2	52	0	**16**	0	45	2	97
02:00		0	17			0	**28**				
02:15		0	8			0	**15**				
02:30		0	9			2	**12**				
02:45		0	11	0	45	0	12	2	67	2	112
03:00		0	18			2	13				
03:15		1	18			1	10				
03:30		0	20			1	8				
03:45		1	21	2	77	1	10	5	41	7	118
04:00		1	15			0	4				
04:15		0	18			0	10				
04:30		1	21			0	8				
04:45		0	19	2	73	3	13	3	35	5	108
05:00		0	**26**			0	6				
05:15		0	**33**			1	12				
05:30		1	**16**			2	6				
05:45		2	**32**	3	107	4	7	7	31	10	138
06:00		3	21			3	5				
06:15		0	18			5	4				
06:30		4	8			8	5				
06:45		4	12	11	59	14	9	30	23	41	82
07:00		4	10			14	1				
07:15		**18**	3			**28**	5				
07:30		**20**	1			**64**	9				
07:45		**20**	2	62	16	**37**	2	143	17	205	33
08:00		**16**	8			**28**	4				
08:15		11	4			19	3				
08:30		11	3			13	0				
08:45		6	5	44	20	18	1	78	8	122	28
09:00		7	1			12	1				
09:15		10	2			9	0				
09:30		8	0			8	2				
09:45		10	1	35	4	9	0	38	3	73	7
10:00		2	3			6	0				
10:15		4	3			6	0				
10:30		6	0			12	0				
10:45		6	1	18	7	6	0	30	0	48	7
11:00		9	1			10	1				
11:15		11	0			3	0				
11:30		13	0			7	0				
11:45		8	1	41	2	9	0	29	1	70	3
Total		221	507	221	507	365	310	365	310	586	817
Combined Total		728		728		675		675		1403	
AM Peak	-	07:15	-	-	-	07:15	-	-	-	-	-
Vol.	-	74	-	-	-	157	-	-	-	-	-
P.H.F.		0.925				0.613					
PM Peak	-	-	05:00	-	-	-	01:45	-	-	-	-
Vol.	-	-	107	-	-	-	71	-	-	-	-
P.H.F.			0.811				0.634				
Percentage		30.4%	69.6%			54.1%	45.9%				
ADT/AADT		ADT 1,403		AADT 1,403							

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City of Redlands
Fern Avenue
B/ Redlands Boulevard - Cajon Street
24 Hour Directional Volume Count

RED044
Site Code: 105-24810

Start Time	10/2/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	36			3	26				
12:15		0	39			0	26				
12:30		1	20			0	27				
12:45		3	26	9	121	0	42	3	121	12	242
01:00		1	30			0	32				
01:15		0	26			3	36				
01:30		3	25			1	38				
01:45		1	40	5	121	1	38	5	144	10	265
02:00		4	33			0	30				
02:15		1	58			0	40				
02:30		0	37			0	33				
02:45		0	46	5	174	0	37	0	140	5	314
03:00		1	42			1	27				
03:15		1	**72**			2	**53**				
03:30		0	**92**			1	**83**				
03:45		4	**63**	6	269	1	**38**	5	201	11	470
04:00		1	**49**			1	**29**				
04:15		2	57			2	30				
04:30		2	49			2	28				
04:45		3	50	8	205	4	28	9	115	17	320
05:00		4	77			5	35				
05:15		4	75			2	28				
05:30		10	51			7	42				
05:45		7	42	25	245	10	34	24	139	49	384
06:00		12	48			5	27				
06:15		14	36			14	34				
06:30		14	30			10	30				
06:45		16	30	56	144	28	24	57	115	113	259
07:00		25	35			27	20				
07:15		34	21			46	21				
07:30		30	24			**64**	24				
07:45		**64**	20	153	100	**110**	30	247	95	400	195
08:00		**110**	23			**62**	23				
08:15		**110**	18			**74**	18				
08:30		**44**	18			58	10				
08:45		35	16	299	75	33	11	227	62	526	137
09:00		32	11			38	19				
09:15		31	16			24	14				
09:30		26	10			32	9				
09:45		23	3	112	40	31	6	125	48	237	88
10:00		42	4			40	6				
10:15		29	8			32	5				
10:30		19	4			38	5				
10:45		33	3	123	19	24	2	134	18	257	37
11:00		37	2			26	1				
11:15		31	3			32	2				
11:30		32	5			22	2				
11:45		27	4	127	14	22	5	102	10	229	24
Total		928	1527	928	1527	938	1208	938	1208	1866	2735
Combined Total		2455		2455		2146		2146		4601	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	328	-	-	-	310	-	-	-	-	-
P.H.F.		0.745				0.705					
PM Peak	-	-	03:15	-	-	-	03:15	-	-	-	-
Vol.	-	-	276	-	-	-	203	-	-	-	-
P.H.F.			0.750				0.611				
Percentage		37.8%	62.2%			43.7%	56.3%				
ADT/AADT		ADT 4,601		AADT 4,601							

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City of Redlands
Fern Avenue
B/ Cajon Street - Center Street
24 Hour Directional Volume Count

RED045
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	31			2	32				
12:15		1	18			0	22				
12:30		0	33			2	30				
12:45		2	27	5	109	2	33	6	117	11	226
01:00		0	26			0	28				
01:15		2	28			0	28				
01:30		1	38			0	20				
01:45		0	33	3	125	1	30	1	106	4	231
02:00		0	54			0	30				
02:15		0	36			1	28				
02:30		4	36			3	23				
02:45		0	29	4	155	0	**50**	4	131	8	286
03:00		3	46			2	**45**				
03:15		1	**78**			1	**50**				
03:30		1	**66**			1	**70**				
03:45		1	**52**	6	242	2	29	6	194	12	436
04:00		1	**58**			0	34				
04:15		1	45			1	38				
04:30		2	50			0	34				
04:45		2	44	6	197	2	46	3	152	9	349
05:00		4	64			3	21				
05:15		3	55			1	26				
05:30		7	38			2	27				
05:45		3	37	17	194	8	28	14	102	31	296
06:00		11	41			6	21				
06:15		14	26			10	28				
06:30		13	31			21	32				
06:45		30	30	68	128	19	17	56	98	124	226
07:00		32	32			34	26				
07:15		30	15			36	19				
07:30		**71**	28			36	16				
07:45		**88**	8	221	83	**64**	19	170	80	391	163
08:00		**98**	20			**48**	14				
08:15		**75**	12			**64**	14				
08:30		48	11			**44**	16				
08:45		28	18	249	61	32	12	188	56	437	117
09:00		20	12			26	14				
09:15		26	10			28	9				
09:30		20	7			29	14				
09:45		26	10	92	39	28	12	111	49	203	88
10:00		30	8			32	11				
10:15		22	4			32	5				
10:30		18	6			32	5				
10:45		17	6	87	24	25	4	121	25	208	49
11:00		32	5			22	4				
11:15		26	4			27	3				
11:30		33	2			32	2				
11:45		29	5	120	16	32	2	113	11	233	27
Total		878	1373	878	1373	793	1121	793	1121	1671	2494
Combined Total		2251		2251		1914		1914		4165	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	332	-	-	-	220	-	-	-	-	-
P.H.F.		0.847				0.859					
PM Peak	-	-	03:15	-	-	-	02:45	-	-	-	-
Vol.	-	-	254	-	-	-	215	-	-	-	-
P.H.F.			0.814				0.768				
Percentage		39.0%	61.0%			41.4%	58.6%				
ADT/AADT		ADT 4,165		AADT 4,165							

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City of Redlands
Fern Avenue
B/ Center Street - San Mateo Street
24 Hour Directional Volume Count

RED046
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	34			3	30				
12:15		2	28			0	20				
12:30		1	36			1	21				
12:45		0	28	5	126	0	26	4	97	9	223
01:00		0	38			0	26				
01:15		1	30			2	30				
01:30		3	40			0	25				
01:45		2	38	6	146	2	38	4	119	10	265
02:00		0	44			0	42				
02:15		0	31			1	32				
02:30		1	26			2	32				
02:45		0	36	1	137	0	**39**	3	145	4	282
03:00		1	50			2	**42**				
03:15		1	**100**			0	**56**				
03:30		1	**72**			0	**62**				
03:45		1	**46**	4	268	2	30	4	190	8	458
04:00		2	**61**			0	38				
04:15		0	65			3	26				
04:30		1	48			1	32				
04:45		2	48	5	222	2	38	6	134	11	356
05:00		3	78			2	28				
05:15		5	48			1	23				
05:30		4	42			5	24				
05:45		10	31	22	199	15	20	23	95	45	294
06:00		3	30			12	22				
06:15		8	28			10	31				
06:30		7	32			22	26				
06:45		20	30	38	120	19	16	63	95	101	215
07:00		29	25			32	23				
07:15		29	17			37	14				
07:30		**78**	15			**50**	17				
07:45		**87**	17	223	74	**72**	12	191	66	414	140
08:00		**104**	16			**56**	10				
08:15		**84**	12			**58**	20				
08:30		60	13			44	12				
08:45		32	16	280	57	36	7	194	49	474	106
09:00		21	11			20	12				
09:15		24	12			24	11				
09:30		22	4			24	12				
09:45		22	4	89	31	24	12	92	47	181	78
10:00		24	5			31	9				
10:15		26	3			23	6				
10:30		14	10			32	4				
10:45		25	1	89	19	24	3	110	22	199	41
11:00		42	1			15	1				
11:15		20	3			25	0				
11:30		34	5			31	5				
11:45		30	5	126	14	24	4	95	10	221	24
Total		888	1413	888	1413	789	1069	789	1069	1677	2482
Combined Total		2301		2301		1858		1858		4159	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	353	-	-	-	236	-	-	-	-	-
P.H.F.		0.849				0.819					
PM Peak	-	-	03:15	-	-	-	02:45	-	-	-	-
Vol.	-	-	279	-	-	-	199	-	-	-	-
P.H.F.			0.698				0.802				
Percentage		38.6%	61.4%			42.5%	57.5%				
ADT/AADT		ADT 4,159		AADT 4,159							

Counts Unlimited, Inc

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City of Redlands
Fern Avenue
B/ San Mateo Street - Terracina Boulevard
24 Hour Directional Volume Count

RED047
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	36			6	30				
12:15		1	30			0	20				
12:30		1	34			1	25				
12:45		0	32	5	132	1	28	8	103	13	235
01:00		0	26			0	24				
01:15		1	34			3	24				
01:30		1	28			0	26				
01:45		0	33	2	121	0	20	3	94	5	215
02:00		1	34			1	**44**				
02:15		0	32			1	**32**				
02:30		0	34			0	**32**				
02:45		0	42	1	142	1	**39**	3	147	4	289
03:00		0	44			0	28				
03:15		2	**63**			1	34				
03:30		1	**58**			0	46				
03:45		2	**45**	5	210	0	34	1	142	6	352
04:00		2	**65**			1	21				
04:15		1	48			2	28				
04:30		0	34			7	16				
04:45		2	58	5	205	3	26	13	91	18	296
05:00		0	64			5	22				
05:15		3	50			3	24				
05:30		1	52			4	13				
05:45		6	40	10	206	13	22	25	81	35	287
06:00		3	42			15	19				
06:15		8	24			16	13				
06:30		7	31			20	21				
06:45		12	18	30	115	41	22	92	75	122	190
07:00		12	21			31	17				
07:15		15	17			41	18				
07:30		**57**	22			46	12				
07:45		**66**	14	150	74	**60**	16	178	63	328	137
08:00		**48**	18			**62**	10				
08:15		**42**	11			**39**	18				
08:30		31	10			**57**	9				
08:45		21	12	142	51	38	9	196	46	338	97
09:00		24	10			32	5				
09:15		18	11			16	13				
09:30		18	1			32	8				
09:45		22	7	82	29	28	3	108	29	190	58
10:00		21	5			26	1				
10:15		19	3			26	5				
10:30		16	6			17	4				
10:45		19	3	75	17	30	6	99	16	174	33
11:00		26	5			18	4				
11:15		16	3			20	0				
11:30		32	4			24	3				
11:45		26	11	100	23	22	2	84	9	184	32
Total		607	1325	607	1325	810	896	810	896	1417	2221
Combined Total		1932		1932		1706		1706		3638	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	213	-	-	-	218	-	-	-	-	-
P.H.F.		0.807				0.879					
PM Peak	-	-	03:15	-	-	-	02:00	-	-	-	-
Vol.	-	-	231	-	-	-	147	-	-	-	-
P.H.F.			0.888				0.835				
Percentage		31.4%	68.6%			47.5%	52.5%				
ADT/AADT		ADT 3,638		AADT 3,638							

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City of Redlands
Fifth Avenue
B/ Ford Street - Dearborn Street
24 Hour Directional Volume Count

RED048
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		6	50			0	69				
12:15		3	64			1	56				
12:30		3	51			0	43				
12:45		3	59	15	224	0	54	1	222	16	446
01:00		2	54			0	58				
01:15		0	62			0	50				
01:30		4	51			2	65				
01:45		2	56	8	223	1	69	3	242	11	465
02:00		2	54			1	79				
02:15		1	75			2	53				
02:30		1	66			0	75				
02:45		2	68	6	263	0	70	3	277	9	540
03:00		2	98			3	59				
03:15		3	102			1	**116**				
03:30		2	114			4	**104**				
03:45		3	106	10	420	9	**66**	17	345	27	765
04:00		2	113			4	**64**				
04:15		2	115			1	68				
04:30		8	108			7	66				
04:45		8	125	20	461	7	67	19	265	39	726
05:00		9	118			11	62				
05:15		11	**131**			14	56				
05:30		9	**140**			20	59				
05:45		20	**126**	49	515	31	68	76	245	125	760
06:00		13	**126**			17	55				
06:15		29	77			27	65				
06:30		21	84			55	68				
06:45		34	48	97	335	63	78	162	266	259	601
07:00		26	63			100	65				
07:15		45	46			182	50				
07:30		**74**	40			**210**	40				
07:45		**75**	44	220	193	**199**	49	691	204	911	397
08:00		**118**	39			**179**	41				
08:15		**82**	46			**190**	47				
08:30		71	38			195	30				
08:45		37	21	308	144	104	32	668	150	976	294
09:00		53	28			95	23				
09:15		53	36			82	24				
09:30		61	25			78	20				
09:45		52	20	219	109	68	12	323	79	542	188
10:00		50	12			81	7				
10:15		44	12			60	10				
10:30		55	10			50	12				
10:45		52	12	201	46	49	5	240	34	441	80
11:00		38	4			53	7				
11:15		50	12			66	0				
11:30		54	6			70	4				
11:45		66	6	208	28	67	3	256	14	464	42
Total		1361	2961	1361	2961	2459	2343	2459	2343	3820	5304
Combined Total		4322		4322		4802		4802		9124	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	349	-	-	-	778	-	-	-	-	-
P.H.F.		0.739				0.926					
PM Peak	-	-	05:15	-	-	-	03:15	-	-	-	-
Vol.	-	-	523	-	-	-	350	-	-	-	-
P.H.F.			0.934				0.754				
Percentage		31.5%	68.5%			51.2%	48.8%				
ADT/AADT		ADT 9,124		AADT 9,124							

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City of Redlands
Fifth Avenue
B/ Dearborn Street - Wabash Avenue
24 Hour Directional Volume Count

RED049
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	44			0	62				
12:15		3	49			1	53				
12:30		2	56			0	41				
12:45		3	51	13	200	0	55	1	211	14	411
01:00		1	55			0	58				
01:15		0	49			0	49				
01:30		3	53			1	66				
01:45		2	53	6	210	1	58	2	231	8	441
02:00		2	45			1	62				
02:15		1	61			3	53				
02:30		1	60			0	66				
02:45		2	63	6	229	0	**75**	4	256	10	485
03:00		1	76			2	**72**				
03:15		1	113			0	**66**				
03:30		3	121			3	**71**				
03:45		2	98	7	408	5	63	10	272	17	680
04:00		1	108			4	56				
04:15		2	110			0	62				
04:30		5	94			6	62				
04:45		11	125	19	437	3	53	13	233	32	670
05:00		8	**118**			6	55				
05:15		15	**122**			10	53				
05:30		12	**123**			18	53				
05:45		17	**135**	52	498	28	55	62	216	114	714
06:00		11	113			12	52				
06:15		34	79			21	56				
06:30		21	84			45	68				
06:45		37	47	103	323	57	72	135	248	238	571
07:00		20	57			90	55				
07:15		39	41			**172**	45				
07:30		58	43			**204**	41				
07:45		**79**	29	196	170	**185**	44	651	185	847	355
08:00		**100**	34			**161**	43				
08:15		**101**	43			172	37				
08:30		**59**	33			138	31				
08:45		37	25	297	135	102	36	573	147	870	282
09:00		45	20			81	27				
09:15		56	32			75	23				
09:30		61	22			73	22				
09:45		55	18	217	92	70	12	299	84	516	176
10:00		45	13			69	5				
10:15		41	11			58	6				
10:30		55	12			42	11				
10:45		57	10	198	46	47	7	216	29	414	75
11:00		40	4			54	7				
11:15		43	12			61	3				
11:30		54	5			66	3				
11:45		66	4	203	25	62	3	243	16	446	41
Total		1317	2773	1317	2773	2209	2128	2209	2128	3526	4901
Combined Total		4090		4090		4337		4337		8427	
AM Peak	-	07:45	-	-	-	07:15	-	-	-	-	-
Vol.	-	339	-	-	-	722	-	-	-	-	-
P.H.F.		0.839				0.885					
PM Peak	-	-	05:00	-	-	-	02:45	-	-	-	-
Vol.	-	-	498	-	-	-	284	-	-	-	-
P.H.F.			0.922				0.947				
Percentage		32.2%	67.8%			50.9%	49.1%				
ADT/AADT		ADT 8,427		AADT 8,427							

Counts Unlimited, Inc

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City of Redlands
Ford Street
B/ Citrus Avenue - Fifth Avenue
24 Hour Directional Volume Count

RED050
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	42			1	43				
12:15		3	41			0	35				
12:30		1	39			2	29				
12:45		2	33	10	155	2	30	5	137	15	292
01:00		1	40			3	50				
01:15		3	40			2	42				
01:30		1	45			1	31				
01:45		0	42	5	167	0	38	6	161	11	328
02:00		1	39			2	49				
02:15		1	58			2	34				
02:30		0	38			1	48				
02:45		0	40	2	175	1	38	6	169	8	344
03:00		0	44			3	51				
03:15		1	**57**			1	**66**				
03:30		1	**65**			1	**82**				
03:45		0	**95**	2	261	0	**67**	5	266	7	527
04:00		5	**57**			2	**66**				
04:15		1	57			5	45				
04:30		5	54			7	63				
04:45		1	69	12	237	3	60	17	234	29	471
05:00		6	46			5	62				
05:15		4	70			4	64				
05:30		6	76			10	50				
05:45		3	50	19	242	7	49	26	225	45	467
06:00		5	50			14	53				
06:15		14	90			20	50				
06:30		9	49			21	37				
06:45		10	41	38	230	24	44	79	184	117	414
07:00		24	32			29	47				
07:15		30	29			29	36				
07:30		54	28			47	28				
07:45		53	30	161	119	**75**	28	180	139	341	258
08:00		57	34			**50**	18				
08:15		**87**	18			**63**	17				
08:30		**85**	28			**67**	29				
08:45		**82**	21	311	101	71	30	251	94	562	195
09:00		**74**	32			36	26				
09:15		39	22			42	16				
09:30		40	25			26	21				
09:45		21	13	174	92	28	14	132	77	306	169
10:00		34	14			33	7				
10:15		40	16			36	10				
10:30		47	14			27	8				
10:45		38	4	159	48	22	4	118	29	277	77
11:00		34	9			26	4				
11:15		27	5			29	2				
11:30		36	8			27	0				
11:45		34	4	131	26	30	2	112	8	243	34
Total		1024	1853	1024	1853	937	1723	937	1723	1961	3576
Combined Total		2877		2877		2660		2660		5537	
AM Peak	-	08:15	-	-	-	07:45	-	-	-	-	-
Vol.	-	328	-	-	-	255	-	-	-	-	-
P.H.F.		0.943				0.850					
PM Peak	-	-	03:15	-	-	-	03:15	-	-	-	-
Vol.	-	-	274	-	-	-	281	-	-	-	-
P.H.F.			0.721				0.857				
Percentage		35.6%	64.4%			35.2%	64.8%				
ADT/AADT		ADT 5,537		AADT 5,537							

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City of Redlands
Ford Street
B/ Fifth Avenue - Reservoir Road
24 Hour Directional Volume Count

RED051
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	66			4	72				
12:15		4	47			2	57				
12:30		4	51			2	49				
12:45		6	41	19	205	1	67	9	245	28	450
01:00		3	48			0	58				
01:15		1	56			0	46				
01:30		2	51			4	52				
01:45		1	55	7	210	1	79	5	235	12	445
02:00		3	58			6	74				
02:15		3	82			6	48				
02:30		3	52			1	46				
02:45		5	**78**	14	270	1	48	14	216	28	486
03:00		2	**86**			2	45				
03:15		2	**112**			3	58				
03:30		3	**70**			5	**137**				
03:45		4	64	11	332	7	**76**	17	316	28	648
04:00		4	84			6	**62**				
04:15		4	62			2	**66**				
04:30		9	80			8	48				
04:45		8	88	25	314	13	72	29	248	54	562
05:00		4	63			15	78				
05:15		14	78			16	72				
05:30		16	74			28	49				
05:45		16	91	50	306	21	70	80	269	130	575
06:00		18	82			30	59				
06:15		28	54			44	46				
06:30		22	73			46	69				
06:45		27	70	95	279	56	83	176	257	271	536
07:00		26	58			63	64				
07:15		49	60			100	62				
07:30		74	48			**144**	26				
07:45		**84**	40	233	206	**152**	48	459	200	692	406
08:00		**126**	39			**92**	37				
08:15		**112**	41			**117**	47				
08:30		**88**	44			142	20				
08:45		72	32	398	156	112	48	463	152	861	308
09:00		71	38			72	38				
09:15		62	43			68	22				
09:30		39	19			57	27				
09:45		50	23	222	123	53	20	250	107	472	230
10:00		42	12			69	14				
10:15		28	12			53	12				
10:30		52	12			55	5				
10:45		54	14	176	50	36	13	213	44	389	94
11:00		44	10			44	10				
11:15		52	5			59	3				
11:30		58	13			78	5				
11:45		62	9	216	37	86	4	267	22	483	59
Total		1466	2488	1466	2488	1982	2311	1982	2311	3448	4799
Combined Total		3954		3954		4293		4293		8247	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	410	-	-	-	505	-	-	-	-	-
P.H.F.		0.813				0.831					
PM Peak	-	-	02:45	-	-	-	03:30	-	-	-	-
Vol.	-	-	346	-	-	-	341	-	-	-	-
P.H.F.			0.772				0.622				
Percentage		37.1%	62.9%			46.2%	53.8%				
ADT/AADT		ADT 8,247		AADT 8,247							

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City of Redlands
Ford Street
B/ Reservoir Road - Sunset Drive
24 Hour Directional Volume Count

RED052
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	103			4	62				
12:15		1	54			4	61				
12:30		4	64			4	74				
12:45		1	62	9	283	4	94	16	291	25	574
01:00		0	61			2	66				
01:15		3	62			3	64				
01:30		0	65			3	83				
01:45		2	65	5	253	0	90	8	303	13	556
02:00		1	102			1	64				
02:15		0	99			0	68				
02:30		1	83			2	**84**				
02:45		2	**96**	4	380	2	**101**	5	317	9	697
03:00		2	**138**			2	**72**				
03:15		0	**111**			0	**74**				
03:30		4	**98**			1	69				
03:45		3	82	9	429	0	85	3	300	12	729
04:00		5	69			3	84				
04:15		8	90			1	67				
04:30		9	87			5	83				
04:45		17	85	39	331	0	82	9	316	48	647
05:00		10	79			8	75				
05:15		19	64			18	53				
05:30		14	75			15	85				
05:45		22	88	65	306	16	88	57	301	122	607
06:00		32	67			12	67				
06:15		32	52			14	65				
06:30		43	66			29	52				
06:45		44	58	151	243	50	52	105	236	256	479
07:00		60	40			32	58				
07:15		97	41			**77**	59				
07:30		**126**	45			**115**	46				
07:45		**144**	37	427	163	**117**	49	341	212	768	375
08:00		**144**	28			**70**	38				
08:15		**110**	27			59	54				
08:30		97	36			93	29				
08:45		81	21	432	112	105	29	327	150	759	262
09:00		95	18			73	22				
09:15		73	12			68	28				
09:30		91	15			58	30				
09:45		79	9	338	54	75	22	274	102	612	156
10:00		76	6			45	16				
10:15		64	2			58	9				
10:30		74	7			77	11				
10:45		72	6	286	21	65	7	245	43	531	64
11:00		77	2			48	9				
11:15		63	6			54	4				
11:30		58	0			57	7				
11:45		67	4	265	12	86	2	245	22	510	34
Total		2030	2587	2030	2587	1635	2593	1635	2593	3665	5180
Combined Total		4617		4617		4228		4228		8845	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	524	-	-	-	379	-	-	-	-	-
P.H.F.		0.910				0.810					
PM Peak	-	-	02:45	-	-	-	02:30	-	-	-	-
Vol.	-	-	443	-	-	-	331	-	-	-	-
P.H.F.			0.803				0.819				
Percentage		44.0%	56.0%			38.7%	61.3%				
ADT/AADT		ADT 8,845		AADT 8,845							

Counts Unlimited, Inc

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City of Redlands
Ford Street
B/ Sunset Drive - Garden Hill Drive
24 Hour Directional Volume Count

RED053
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	20			0	22				
12:15		0	19			3	11				
12:30		1	10			1	12				
12:45		0	5	2	54	1	20	5	65	7	119
01:00		0	13			1	12				
01:15		1	17			0	17				
01:30		0	11			2	15				
01:45		1	12	2	53	0	13	3	57	5	110
02:00		0	12			1	22				
02:15		0	22			0	20				
02:30		0	22			1	24				
02:45		0	**26**	0	82	1	**45**	3	111	3	193
03:00		1	**82**			1	**36**				
03:15		0	**23**			0	**24**				
03:30		0	**23**			0	**26**				
03:45		2	23	3	151	0	19	1	105	4	256
04:00		2	21			0	35				
04:15		0	27			0	23				
04:30		4	22			0	21				
04:45		4	20	10	90	1	25	1	104	11	194
05:00		5	13			0	25				
05:15		2	12			0	21				
05:30		4	20			6	21				
05:45		3	26	14	71	6	20	12	87	26	158
06:00		4	18			3	24				
06:15		8	6			4	22				
06:30		10	21			7	13				
06:45		14	13	36	58	18	15	32	74	68	132
07:00		12	5			17	17				
07:15		**24**	8			**18**	10				
07:30		**38**	7			**46**	9				
07:45		**63**	11	137	31	**84**	13	165	49	302	80
08:00		**58**	7			**29**	10				
08:15		21	6			10	18				
08:30		40	6			17	9				
08:45		18	6	137	25	16	11	72	48	209	73
09:00		18	7			17	8				
09:15		14	2			16	14				
09:30		19	6			11	9				
09:45		18	2	69	17	17	4	61	35	130	52
10:00		18	2			13	6				
10:15		12	4			18	3				
10:30		20	0			18	3				
10:45		14	2	64	8	14	2	63	14	127	22
11:00		16	0			16	2				
11:15		16	1			15	1				
11:30		19	1			16	1				
11:45		10	1	61	3	14	1	61	5	122	8
Total		535	643	535	643	479	754	479	754	1014	1397
Combined Total		1178		1178		1233		1233		2411	
AM Peak	-	07:15	-	-	-	07:15	-	-	-	-	-
Vol.	-	183	-	-	-	177	-	-	-	-	-
P.H.F.		0.726				0.527					
PM Peak	-	-	02:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	154	-	-	-	131	-	-	-	-
P.H.F.			0.470				0.728				
Percentage		45.4%	54.6%			38.8%	61.2%				
ADT/AADT		ADT 2,411		AADT 2,411							

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City of Redlands
Franklin Avenue
B/ Eucalyptus Drive - Oak Street
24 Hour Directional Volume Count

RED054
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	8			0	4				
12:15		0	6			0	4				
12:30		0	9			0	6				
12:45		2	4	2	27	0	8	0	22	2	49
01:00		0	6			0	4				
01:15		0	4			0	10				
01:30		0	11			0	3				
01:45		0	6	0	27	0	9	0	26	0	53
02:00		0	6			0	**17**				
02:15		0	7			0	**9**				
02:30		0	6			0	**4**				
02:45		0	10	0	29	0	**11**	0	41	0	70
03:00		1	6			0	6				
03:15		0	2			0	8				
03:30		0	6			0	9				
03:45		0	6	1	20	0	8	0	31	1	51
04:00		0	6			1	2				
04:15		0	8			0	6				
04:30		0	4			0	7				
04:45		1	4	1	22	1	2	2	17	3	39
05:00		1	**10**			2	8				
05:15		0	**11**			1	7				
05:30		0	**8**			0	6				
05:45		0	**8**	1	37	1	8	4	29	5	66
06:00		0	5			4	6				
06:15		1	4			3	8				
06:30		4	6			6	2				
06:45		4	5	9	20	4	6	17	22	26	42
07:00		**7**	4			8	1				
07:15		**19**	3			6	4				
07:30		**16**	6			12	4				
07:45		**14**	2	56	15	11	2	37	11	93	26
08:00		6	6			4	3				
08:15		3	2			10	2				
08:30		8	4			3	1				
08:45		5	3	22	15	8	0	25	6	47	21
09:00		12	2			**6**	1				
09:15		8	4			**11**	2				
09:30		5	2			**12**	0				
09:45		5	5	30	13	**10**	1	39	4	69	17
10:00		9	1			4	0				
10:15		6	1			6	0				
10:30		8	3			4	0				
10:45		3	0	26	5	4	0	18	0	44	5
11:00		6	0			7	2				
11:15		4	3			6	0				
11:30		7	2			10	1				
11:45		10	0	27	5	5	0	28	3	55	8
Total		175	235	175	235	170	212	170	212	345	447
Combined Total		410		410		382		382		792	
AM Peak	-	07:00	-	-	-	09:00	-	-	-	-	-
Vol.	-	56	-	-	-	39	-	-	-	-	-
P.H.F.		0.737				0.813					
PM Peak	-	-	05:00	-	-	-	02:00	-	-	-	-
Vol.	-	-	37	-	-	-	41	-	-	-	-
P.H.F.			0.841				0.603				
Percentage		42.7%	57.3%			44.5%	55.5%				
ADT/AADT		ADT 792		AADT 792							

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City of Redlands
Franklin Avenue
B/ Oak Street - Garden Street
24 Hour Directional Volume Count

RED055
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	5			0	8				
12:15		0	6			0	2				
12:30		0	8			1	6				
12:45		0	5	0	24	0	4	1	20	1	44
01:00		0	5			0	4				
01:15		0	4			0	9				
01:30		0	3			2	9				
01:45		0	3	0	15	0	9	2	31	2	46
02:00		0	8			2	8				
02:15		0	2			0	6				
02:30		0	5			0	3				
02:45		0	4	0	19	0	**7**	2	24	2	43
03:00		0	6			0	**9**				
03:15		0	**10**			0	**11**				
03:30		0	**6**			0	**9**				
03:45		0	**6**	0	28	0	7	0	36	0	64
04:00		0	**10**			0	6				
04:15		0	5			0	12				
04:30		0	7			1	10				
04:45		1	6	1	28	0	1	1	29	2	57
05:00		0	11			1	6				
05:15		2	7			0	8				
05:30		0	3			0	3				
05:45		1	6	3	27	1	10	2	27	5	54
06:00		3	8			3	6				
06:15		3	7			0	9				
06:30		2	3			5	5				
06:45		2	2	10	20	4	5	12	25	22	45
07:00		1	4			4	4				
07:15		1	4			4	4				
07:30		5	1			**13**	3				
07:45		4	4	11	13	**12**	1	33	12	44	25
08:00		5	5			**12**	4				
08:15		6	1			**9**	1				
08:30		4	0			9	3				
08:45		4	5	19	11	6	2	36	10	55	21
09:00		3	1			8	4				
09:15		**4**	0			8	2				
09:30		**6**	4			11	3				
09:45		**5**	2	18	7	7	0	34	9	52	16
10:00		**6**	0			6	0				
10:15		3	1			3	0				
10:30		6	0			8	0				
10:45		4	0	19	1	8	1	25	1	44	2
11:00		6	2			6	0				
11:15		2	1			5	1				
11:30		5	0			11	0				
11:45		8	0	21	3	4	0	26	1	47	4
Total		102	196	102	196	174	225	174	225	276	421
Combined Total		298		298		399		399		697	
AM Peak	-	09:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	21	-	-	-	46	-	-	-	-	-
P.H.F.		0.875				0.885					
PM Peak	-	-	03:15	-	-	-	02:45	-	-	-	-
Vol.	-	-	32	-	-	-	36	-	-	-	-
P.H.F.			0.800				0.818				
Percentage		34.2%	65.8%			43.6%	56.4%				
ADT/AADT		ADT 697		AADT 697							

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City of Redlands
Garden Street
B/ Mariposa Road - Cajon Street
24 Hour Directional Volume Count

RED056
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	20			0	18				
12:15		0	15			0	24				
12:30		0	22			0	28				
12:45		0	19	2	76	0	26	0	96	2	172
01:00		0	21			3	24				
01:15		0	24			0	23				
01:30		1	19			0	25				
01:45		0	28	1	92	0	22	3	94	4	186
02:00		0	21			0	35				
02:15		0	27			1	23				
02:30		0	**35**			0	22				
02:45		0	**25**	0	108	0	20	1	100	1	208
03:00		1	**28**			1	20				
03:15		0	**28**			0	31				
03:30		0	23			0	33				
03:45		0	25	1	104	0	46	1	130	2	234
04:00		0	22			0	27				
04:15		0	24			0	34				
04:30		3	13			0	27				
04:45		2	16	5	75	0	30	0	118	5	193
05:00		0	21			1	**48**				
05:15		0	30			0	**41**				
05:30		4	18			1	**37**				
05:45		8	18	12	87	2	**36**	4	162	16	249
06:00		6	24			1	34				
06:15		4	18			3	28				
06:30		10	20			5	24				
06:45		4	20	24	82	8	22	17	108	41	190
07:00		14	15			6	26				
07:15		16	10			18	18				
07:30		24	9			18	14				
07:45		**56**	4	110	38	18	24	60	82	170	120
08:00		**48**	8			22	12				
08:15		**52**	15			12	24				
08:30		**34**	8			14	8				
08:45		30	6	164	37	23	4	71	48	235	85
09:00		28	5			16	13				
09:15		23	2			17	13				
09:30		24	7			16	2				
09:45		24	7	99	21	19	6	68	34	167	55
10:00		27	3			14	3				
10:15		18	4			13	1				
10:30		17	3			19	3				
10:45		24	0	86	10	15	0	61	7	147	17
11:00		36	2			**24**	2				
11:15		22	1			**20**	1				
11:30		34	0			**20**	1				
11:45		16	0	108	3	**18**	0	82	4	190	7
Total		612	733	612	733	368	983	368	983	980	1716
Combined Total		1345		1345		1351		1351		2696	
AM Peak	-	07:45	-	-	-	11:00	-	-	-	-	-
Vol.	-	190	-	-	-	82	-	-	-	-	-
P.H.F.		0.848				0.854					
PM Peak	-	-	02:30	-	-	-	05:00	-	-	-	-
Vol.	-	-	116	-	-	-	162	-	-	-	-
P.H.F.			0.829				0.844				
Percentage		45.5%	54.5%			27.2%	72.8%				
ADT/AADT		ADT 2,696		AADT 2,696							

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City of Redlands
Grove Street
B/ Highland Avenue - Citrus Avenue
24 Hour Directional Volume Count

RED057
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	6			0	6				
12:15		0	3			0	13				
12:30		0	12			0	8				
12:45		4	12	5	33	2	6	2	33	7	66
01:00		1	8			0	8				
01:15		0	8			1	5				
01:30		0	5			0	11				
01:45		0	6	1	27	0	13	1	37	2	64
02:00		0	8			0	12				
02:15		0	14			0	12				
02:30		0	13			0	20				
02:45		0	6	0	41	2	12	2	56	2	97
03:00		0	5			1	15				
03:15		0	**14**			1	11				
03:30		0	**16**			1	15				
03:45		1	**8**	1	43	0	12	3	53	4	96
04:00		0	**12**			0	17				
04:15		0	5			1	**11**				
04:30		0	7			0	**11**				
04:45		0	8	0	32	3	**19**	4	58	4	90
05:00		2	10			1	**27**				
05:15		2	11			4	3				
05:30		1	13			0	10				
05:45		0	4	5	38	0	14	5	54	10	92
06:00		2	7			1	8				
06:15		6	11			2	15				
06:30		7	12			5	22				
06:45		6	8	21	38	8	12	16	57	37	95
07:00		12	10			**9**	14				
07:15		12	6			**12**	11				
07:30		**18**	4			**14**	5				
07:45		**24**	2	66	22	**14**	9	49	39	115	61
08:00		**22**	2			4	10				
08:15		**20**	10			8	11				
08:30		18	2			10	8				
08:45		11	5	71	19	6	7	28	36	99	55
09:00		17	5			8	7				
09:15		12	2			6	3				
09:30		6	1			8	1				
09:45		7	2	42	10	6	3	28	14	70	24
10:00		6	0			12	2				
10:15		6	1			6	6				
10:30		6	0			12	0				
10:45		7	1	25	2	11	1	41	9	66	11
11:00		9	0			6	1				
11:15		9	2			8	1				
11:30		8	0			8	3				
11:45		4	1	30	3	10	2	32	7	62	10
Total		267	308	267	308	211	453	211	453	478	761
Combined Total		575		575		664		664		1239	
AM Peak	-	07:30	-	-	-	07:00	-	-	-	-	-
Vol.	-	84	-	-	-	49	-	-	-	-	-
P.H.F.		0.875				0.875					
PM Peak	-	-	03:15	-	-	-	04:15	-	-	-	-
Vol.	-	-	50	-	-	-	68	-	-	-	-
P.H.F.			0.781				0.630				
Percentage		46.4%	53.6%			31.8%	68.2%				
ADT/AADT		ADT 1,239		AADT 1,239							

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City of Redlands
Grove Street
B/ Citrus Avenue - Brockton Avenue
24 Hour Directional Volume Count

RED058
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	19			2	34				
12:15		2	20			0	30				
12:30		1	21			3	25				
12:45		1	24	7	84	1	20	6	109	13	193
01:00		2	38			2	21				
01:15		4	14			2	16				
01:30		2	14			1	17				
01:45		2	16	10	82	1	19	6	73	16	155
02:00		1	22			0	26				
02:15		1	32			0	24				
02:30		0	19			0	42				
02:45		1	**31**	3	104	2	31	2	123	5	227
03:00		0	**38**			1	27				
03:15		2	**34**			1	26				
03:30		0	**35**			3	**32**				
03:45		0	22	2	129	0	**30**	5	115	7	244
04:00		1	24			2	**39**				
04:15		0	18			4	**32**				
04:30		1	24			1	28				
04:45		0	32	2	98	2	20	9	119	11	217
05:00		1	28			3	34				
05:15		2	32			1	26				
05:30		4	28			9	20				
05:45		9	28	16	116	8	28	21	108	37	224
06:00		5	20			6	22				
06:15		1	21			8	19				
06:30		6	26			6	21				
06:45		9	22	21	89	15	26	35	88	56	177
07:00		12	32			11	17				
07:15		22	22			**26**	22				
07:30		18	13			**36**	10				
07:45		36	22	88	89	**30**	24	103	73	191	162
08:00		25	16			**29**	16				
08:15		15	21			23	28				
08:30		**24**	8			32	19				
08:45		**28**	14	92	59	23	16	107	79	199	138
09:00		**22**	18			28	14				
09:15		**29**	16			12	16				
09:30		18	4			10	12				
09:45		12	2	81	40	22	14	72	56	153	96
10:00		14	10			15	16				
10:15		13	4			15	4				
10:30		20	0			22	8				
10:45		20	2	67	16	24	3	76	31	143	47
11:00		12	3			18	2				
11:15		15	4			15	6				
11:30		12	2			12	5				
11:45		12	1	51	10	9	3	54	16	105	26
Total		440	916	440	916	496	990	496	990	936	1906
Combined Total		1356		1356		1486		1486		2842	
AM Peak	-	08:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	103	-	-	-	121	-	-	-	-	-
P.H.F.		0.715				0.840					
PM Peak	-	-	02:45	-	-	-	03:30	-	-	-	-
Vol.	-	-	138	-	-	-	133	-	-	-	-
P.H.F.			0.908				0.853				
Percentage		32.4%	67.6%			33.4%	66.6%				
ADT/AADT		ADT 2,842		AADT 2,842							

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City of Redlands
Highland Avenue
B/ Ford Street - Cajon Street
24 Hour Directional Volume Count

RED059
Site Code: 105-24810

Start Time	10/2/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	26			3	36				
12:15		2	34			1	38				
12:30		0	36			0	28				
12:45		2	44	6	140	0	42	4	144	10	284
01:00		3	38			1	46				
01:15		1	38			0	29				
01:30		0	36			1	40				
01:45		1	36	5	148	0	29	2	144	7	292
02:00		3	62			2	32				
02:15		0	49			1	54				
02:30		0	44			0	42				
02:45		0	49	3	204	1	**52**	4	180	7	384
03:00		1	54			1	**64**				
03:15		2	75			2	**52**				
03:30		1	86			2	**71**				
03:45		4	59	8	274	1	44	6	231	14	505
04:00		0	64			1	34				
04:15		1	86			2	32				
04:30		2	70			1	28				
04:45		3	**90**	6	310	1	34	5	128	11	438
05:00		2	**72**			4	50				
05:15		4	**80**			4	48				
05:30		8	**96**			16	40				
05:45		6	82	20	330	19	41	43	179	63	509
06:00		9	69			16	51				
06:15		11	61			22	47				
06:30		16	62			27	24				
06:45		20	44	56	236	50	42	115	164	171	400
07:00		27	32			74	26				
07:15		30	35			**106**	13				
07:30		36	26			**142**	19				
07:45		**60**	34	153	127	**118**	18	440	76	593	203
08:00		**61**	30			**90**	22				
08:15		**55**	20			89	13				
08:30		**47**	18			97	24				
08:45		31	16	194	84	57	22	333	81	527	165
09:00		32	23			44	15				
09:15		32	9			45	14				
09:30		33	10			40	20				
09:45		42	9	139	51	44	4	173	53	312	104
10:00		25	5			44	12				
10:15		28	4			32	8				
10:30		36	4			30	3				
10:45		34	4	123	17	32	4	138	27	261	44
11:00		34	4			28	2				
11:15		31	4			30	2				
11:30		39	4			38	0				
11:45		42	2	146	14	43	0	139	4	285	18
Total		859	1935	859	1935	1402	1411	1402	1411	2261	3346
Combined Total		2794		2794		2813		2813		5607	
AM Peak	-	07:45	-	-	-	07:15	-	-	-	-	-
Vol.	-	223	-	-	-	456	-	-	-	-	-
P.H.F.		0.914				0.803					
PM Peak	-	-	04:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	338	-	-	-	239	-	-	-	-
P.H.F.			0.880				0.842				
Percentage		30.7%	69.3%			49.8%	50.2%				
ADT/AADT		ADT 5,607		AADT 5,607							

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City of Redlands
Highland Avenue
B/ Cajon Street - San Mateo Street
24 Hour Directional Volume Count

RED060
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	32			1	26				
12:15		4	24			0	21				
12:30		1	24			4	26				
12:45		2	24	8	104	2	16	7	89	15	193
01:00		1	29			0	32				
01:15		0	30			3	18				
01:30		0	26			0	19				
01:45		0	31	1	116	0	31	3	100	4	216
02:00		0	31			0	30				
02:15		0	29			1	**30**				
02:30		0	41			1	**38**				
02:45		0	28	0	129	0	**45**	2	143	2	272
03:00		0	70			0	**40**				
03:15		0	58			1	29				
03:30		3	62			0	37				
03:45		0	63	3	253	1	30	2	136	5	389
04:00		1	52			0	24				
04:15		2	76			1	28				
04:30		1	46			2	23				
04:45		2	54	6	228	0	25	3	100	9	328
05:00		1	**68**			4	24				
05:15		6	**68**			3	28				
05:30		5	**61**			8	25				
05:45		2	**68**	14	265	8	31	23	108	37	373
06:00		8	53			9	18				
06:15		6	54			15	25				
06:30		11	31			14	26				
06:45		12	28	37	166	26	18	64	87	101	253
07:00		19	24			35	19				
07:15		23	20			38	24				
07:30		**27**	18			**60**	18				
07:45		**38**	18	107	80	**80**	12	213	73	320	153
08:00		**44**	14			**62**	14				
08:15		**44**	11			**50**	19				
08:30		24	17			60	11				
08:45		28	12	140	54	35	16	207	60	347	114
09:00		28	13			28	11				
09:15		29	3			26	11				
09:30		26	6			17	7				
09:45		27	4	110	26	22	5	93	34	203	60
10:00		28	3			22	3				
10:15		22	4			23	7				
10:30		22	8			18	6				
10:45		27	2	99	17	20	3	83	19	182	36
11:00		20	4			31	6				
11:15		14	1			14	0				
11:30		32	2			27	1				
11:45		34	2	100	9	24	2	96	9	196	18
Total		625	1447	625	1447	796	958	796	958	1421	2405
Combined Total		2072		2072		1754		1754		3826	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	153	-	-	-	252	-	-	-	-	-
P.H.F.		0.869				0.788					
PM Peak	-	-	05:00	-	-	-	02:15	-	-	-	-
Vol.	-	-	265	-	-	-	153	-	-	-	-
P.H.F.			0.872				0.850				
Percentage		30.2%	69.8%			45.4%	54.6%				
ADT/AADT		ADT 3,826		AADT 3,826							

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City of Redlands
Highland Avenue
B/ San Mateo Street - Serpentine Drive
24 Hour Directional Volume Count

RED061
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	15			1	13				
12:15		1	10			0	10				
12:30		0	11			2	10				
12:45		1	12	3	48	0	14	3	47	6	95
01:00		1	8			2	15				
01:15		0	16			2	15				
01:30		0	13			0	**13**				
01:45		0	18	1	55	1	**20**	5	63	6	118
02:00		0	20			1	**22**				
02:15		0	15			0	**18**				
02:30		0	17			0	12				
02:45		0	18	0	70	0	19	1	71	1	141
03:00		0	21			0	18				
03:15		1	16			0	16				
03:30		1	13			0	17				
03:45		0	**30**	2	80	1	20	1	71	3	151
04:00		0	**18**			0	13				
04:15		0	**24**			1	16				
04:30		0	**24**			0	16				
04:45		1	17	1	83	0	12	1	57	2	140
05:00		0	22			2	14				
05:15		4	24			2	12				
05:30		3	16			4	12				
05:45		2	24	9	86	4	16	12	54	21	140
06:00		2	15			4	20				
06:15		3	22			5	12				
06:30		4	11			3	13				
06:45		8	8	17	56	13	8	25	53	42	109
07:00		10	7			13	6				
07:15		9	8			12	12				
07:30		**14**	7			22	15				
07:45		**18**	6	51	28	**32**	3	79	36	130	64
08:00		**16**	12			**38**	6				
08:15		**13**	6			**19**	10				
08:30		11	6			**25**	6				
08:45		14	7	54	31	16	8	98	30	152	61
09:00		14	3			14	9				
09:15		14	6			11	6				
09:30		14	2			3	5				
09:45		11	2	53	13	9	1	37	21	90	34
10:00		12	0			11	1				
10:15		13	0			13	3				
10:30		10	3			5	3				
10:45		13	4	48	7	15	2	44	9	92	16
11:00		12	1			8	0				
11:15		5	0			14	1				
11:30		16	0			15	0				
11:45		12	1	45	2	10	1	47	2	92	4
Total		284	559	284	559	353	514	353	514	637	1073
Combined Total		843		843		867		867		1710	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	61	-	-	-	114	-	-	-	-	-
P.H.F.		0.847				0.750					
PM Peak	-	-	03:45	-	-	-	01:30	-	-	-	-
Vol.	-	-	96	-	-	-	73	-	-	-	-
P.H.F.			0.800				0.830				
Percentage		33.7%	66.3%			40.7%	59.3%				
ADT/AADT		ADT 1,710		AADT 1,710							

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City of Redlands
Judson Street
B/ Citrus Avenue - Colton Avenue
24 Hour Directional Volume Count

RED062
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		7	47			6	44				
12:15		7	42			1	46				
12:30		8	46			2	46				
12:45		5	50	27	185	3	57	12	193	39	378
01:00		3	58			1	49				
01:15		4	58			2	43				
01:30		2	57			10	54				
01:45		5	43	14	216	5	61	18	207	32	423
02:00		1	58			4	68				
02:15		1	68			1	58				
02:30		2	80			3	64				
02:45		1	70	5	276	1	66	9	256	14	532
03:00		1	66			0	49				
03:15		4	95			2	58				
03:30		2	105			1	76				
03:45		3	58	10	324	5	88	8	271	18	595
04:00		4	72			7	70				
04:15		3	**86**			2	64				
04:30		4	**84**			6	80				
04:45		4	**92**	15	334	8	68	23	282	38	616
05:00		6	**93**			15	71				
05:15		4	81			11	63				
05:30		5	77			16	74				
05:45		14	76	29	327	24	76	66	284	95	611
06:00		10	72			24	61				
06:15		16	43			33	**77**				
06:30		18	73			40	**88**				
06:45		24	68	68	256	48	**69**	145	295	213	551
07:00		31	69			53	**90**				
07:15		53	58			61	50				
07:30		70	44			**95**	28				
07:45		**58**	46	212	217	**94**	30	303	198	515	415
08:00		**86**	36			**76**	32				
08:15		**70**	32			**64**	44				
08:30		**84**	34			80	32				
08:45		43	54	283	156	66	27	286	135	569	291
09:00		50	41			42	24				
09:15		42	36			52	22				
09:30		29	22			42	20				
09:45		40	12	161	111	72	17	208	83	369	194
10:00		44	13			39	14				
10:15		42	13			44	14				
10:30		40	11			50	10				
10:45		42	16	168	53	44	8	177	46	345	99
11:00		40	12			34	8				
11:15		28	8			40	10				
11:30		44	4			34	14				
11:45		54	8	166	32	52	13	160	45	326	77
Total		1158	2487	1158	2487	1415	2295	1415	2295	2573	4782
Combined Total		3645		3645		3710		3710		7355	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	298	-	-	-	329	-	-	-	-	-
P.H.F.		0.866				0.866					
PM Peak	-	-	04:15	-	-	-	06:15	-	-	-	-
Vol.	-	-	355	-	-	-	324	-	-	-	-
P.H.F.			0.845				0.900				
Percentage		31.8%	68.2%			38.1%	61.9%				
ADT/AADT		ADT 7,355		AADT 7,355							

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City of Redlands
Judson Street
B/ Colton Avenue - Lugonia Avenue
24 Hour Directional Volume Count

RED063
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	24			3	46				
12:15		3	29			0	38				
12:30		5	24			6	49				
12:45		2	30	13	107	2	46	11	179	24	286
01:00		4	27			0	46				
01:15		1	34			2	42				
01:30		0	38			4	56				
01:45		3	22	8	121	2	54	8	198	16	319
02:00		0	35			1	58				
02:15		0	41			0	76				
02:30		1	31			3	58				
02:45		1	39	2	146	1	87	5	279	7	425
03:00		2	30			1	67				
03:15		4	45			1	68				
03:30		2	55			1	**96**				
03:45		2	38	10	168	2	**86**	5	317	15	485
04:00		3	28			6	**86**				
04:15		3	40			4	**78**				
04:30		6	43			4	80				
04:45		5	41	17	152	5	88	19	332	36	484
05:00		2	40			11	94				
05:15		3	50			9	80				
05:30		4	38			14	84				
05:45		10	38	19	166	20	81	54	339	73	505
06:00		8	35			17	60				
06:15		19	**38**			32	60				
06:30		16	**37**			29	98				
06:45		18	**51**	61	161	36	70	114	288	175	449
07:00		20	**52**			44	84				
07:15		30	36			58	44				
07:30		44	30			**82**	39				
07:45		**51**	32	145	150	**78**	31	262	198	407	348
08:00		**62**	30			**80**	40				
08:15		**56**	26			**66**	48				
08:30		**65**	21			69	34				
08:45		35	36	218	113	48	20	263	142	481	255
09:00		37	34			27	20				
09:15		28	20			46	23				
09:30		18	18			43	24				
09:45		28	6	111	78	50	17	166	84	277	162
10:00		31	8			44	7				
10:15		28	8			50	18				
10:30		23	6			43	8				
10:45		20	6	102	28	48	6	185	39	287	67
11:00		22	8			37	2				
11:15		18	7			38	13				
11:30		26	1			33	8				
11:45		26	4	92	20	56	5	164	28	256	48
Total		798	1410	798	1410	1256	2423	1256	2423	2054	3833
Combined Total		2208		2208		3679		3679		5887	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	234	-	-	-	306	-	-	-	-	-
P.H.F.		0.900				0.933					
PM Peak	-	-	06:15	-	-	-	03:30	-	-	-	-
Vol.	-	-	178	-	-	-	346	-	-	-	-
P.H.F.			0.856				0.901				
Percentage		36.1%	63.9%			34.1%	65.9%				
ADT/AADT		ADT 5,887		AADT 5,887							

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City of Redlands
Judson Street
B/ Lugonia Avenue - Pioneer Avenue
24 Hour Directional Volume Count

RED064
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	28			1	24				
12:15		3	22			3	24				
12:30		0	30			0	30				
12:45		1	30	5	110	1	25	5	103	10	213
01:00		2	36			1	26				
01:15		1	36			1	29				
01:30		0	48			1	36				
01:45		0	40	3	160	0	29	3	120	6	280
02:00		0	34			1	50				
02:15		0	40			1	98				
02:30		1	40			1	42				
02:45		0	38	1	152	0	33	3	223	4	375
03:00		0	**40**			1	45				
03:15		2	**58**			1	34				
03:30		2	**60**			2	96				
03:45		2	**46**	6	204	1	76	5	251	11	455
04:00		2	36			1	40				
04:15		2	34			5	40				
04:30		3	36			1	34				
04:45		4	40	11	146	5	68	12	182	23	328
05:00		2	32			3	**59**				
05:15		7	44			6	**72**				
05:30		13	54			11	**72**				
05:45		3	58	25	188	10	**86**	30	289	55	477
06:00		11	44			14	49				
06:15		13	38			16	56				
06:30		18	30			17	51				
06:45		19	34	61	146	24	51	71	207	132	353
07:00		25	30			28	44				
07:15		38	30			32	46				
07:30		**66**	16			**72**	24				
07:45		**66**	33	195	109	**97**	12	229	126	424	235
08:00		**54**	25			**94**	29				
08:15		**58**	18			**45**	40				
08:30		56	17			52	14				
08:45		36	16	204	76	32	22	223	105	427	181
09:00		28	15			37	15				
09:15		27	24			26	6				
09:30		24	11			24	8				
09:45		18	6	97	56	24	4	111	33	208	89
10:00		22	9			18	9				
10:15		25	8			28	3				
10:30		21	6			34	3				
10:45		18	2	86	25	18	6	98	21	184	46
11:00		22	4			26	6				
11:15		27	3			15	6				
11:30		30	1			36	7				
11:45		20	1	99	9	33	4	110	23	209	32
Total		793	1381	793	1381	900	1683	900	1683	1693	3064
Combined Total		2174		2174		2583		2583		4757	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	244	-	-	-	308	-	-	-	-	-
P.H.F.		0.924				0.794					
PM Peak	-	-	03:00	-	-	-	05:00	-	-	-	-
Vol.	-	-	204	-	-	-	289	-	-	-	-
P.H.F.			0.850				0.840				
Percentage		36.5%	63.5%			34.8%	65.2%				
ADT/AADT		ADT 4,757		AADT 4,757							

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City of Redlands
Live Oak Canyon Road
B/ San Timoteo Canyon Road - East City Limit
24 Hour Directional Volume Count

RED065
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	30			0	28				
12:15		5	28			5	24				
12:30		3	38			2	19				
12:45		2	35	14	131	3	30	10	101	24	232
01:00		1	40			4	30				
01:15		4	42			1	37				
01:30		1	48			2	37				
01:45		1	48	7	178	2	50	9	154	16	332
02:00		2	44			1	41				
02:15		3	52			2	49				
02:30		2	32			2	34				
02:45		2	32	9	160	1	44	6	168	15	328
03:00		3	40			0	42				
03:15		1	54			4	56				
03:30		3	68			7	48				
03:45		2	14	9	176	6	68	17	214	26	390
04:00		5	**63**			7	42				
04:15		8	**52**			21	57				
04:30		6	**68**			24	50				
04:45		8	**56**	27	239	16	58	68	207	95	446
05:00		7	42			30	66				
05:15		18	52			41	86				
05:30		21	59			28	75				
05:45		26	50	72	203	30	**78**	129	305	201	508
06:00		24	30			31	**74**				
06:15		28	50			40	**78**				
06:30		42	42			39	**113**				
06:45		34	43	128	165	60	74	170	339	298	504
07:00		23	39			50	38				
07:15		16	21			**70**	36				
07:30		16	25			**54**	21				
07:45		19	28	74	113	**78**	26	252	121	326	234
08:00		24	31			**63**	16				
08:15		22	14			47	15				
08:30		30	16			54	14				
08:45		33	15	109	76	35	12	199	57	308	133
09:00		38	6			29	10				
09:15		22	10			27	16				
09:30		33	16			37	9				
09:45		18	2	111	34	24	6	117	41	228	75
10:00		28	18			28	6				
10:15		22	14			42	6				
10:30		36	6			34	5				
10:45		25	2	111	40	36	3	140	20	251	60
11:00		**52**	14			42	2				
11:15		**39**	8			40	4				
11:30		**43**	10			26	2				
11:45		**38**	7	172	39	18	4	126	12	298	51
Total		843	1554	843	1554	1243	1739	1243	1739	2086	3293
Combined Total		2397		2397		2982		2982		5379	
AM Peak	-	11:00	-	-	-	07:15	-	-	-	-	-
Vol.	-	172	-	-	-	265	-	-	-	-	-
P.H.F.		0.827				0.849					
PM Peak	-	-	04:00	-	-	-	05:45	-	-	-	-
Vol.	-	-	239	-	-	-	343	-	-	-	-
P.H.F.			0.879				0.759				
Percentage		35.2%	64.8%			41.7%	58.3%				
ADT/AADT		ADT 5,379		AADT 5,379							

Counts Unlimited, Inc

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City of Redlands
Lugonia Avenue
B/ 1500' W/ Research Avenue - California Street
24 Hour Directional Volume Count

RED066
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		28	27			12	31				
12:15		10	27			0	24				
12:30		8	36			8	36				
12:45		2	23	48	113	2	30	22	121	70	234
01:00		6	39			7	24				
01:15		5	29			4	26				
01:30		5	26			4	32				
01:45		0	29	16	123	5	19	20	101	36	224
02:00		8	51			8	20				
02:15		2	**46**			7	30				
02:30		5	**63**			2	32				
02:45		9	**49**	24	209	2	**42**	19	124	43	333
03:00		2	**56**			8	**34**				
03:15		3	22			10	**49**				
03:30		1	41			12	**34**				
03:45		0	25	6	144	20	36	50	153	56	297
04:00		4	36			4	26				
04:15		11	22			10	24				
04:30		1	51			11	22				
04:45		4	33	20	142	34	23	59	95	79	237
05:00		8	28			25	28				
05:15		16	23			12	28				
05:30		13	28			**30**	26				
05:45		3	17	40	96	**52**	24	119	106	159	202
06:00		23	45			**43**	15				
06:15		18	37			**32**	16				
06:30		21	33			18	17				
06:45		10	25	72	140	44	9	137	57	209	197
07:00		7	47			21	11				
07:15		13	29			26	12				
07:30		17	29			39	15				
07:45		21	15	58	120	38	10	124	48	182	168
08:00		17	24			38	5				
08:15		25	12			30	8				
08:30		18	8			33	14				
08:45		23	13	83	57	38	8	139	35	222	92
09:00		28	20			33	6				
09:15		31	9			29	11				
09:30		26	12			24	9				
09:45		23	5	108	46	47	10	133	36	241	82
10:00		**46**	18			18	4				
10:15		**34**	5			26	6				
10:30		**34**	5			44	4				
10:45		**29**	5	143	33	34	12	122	26	265	59
11:00		24	6			25	2				
11:15		33	11			36	6				
11:30		34	8			22	13				
11:45		20	9	111	34	52	8	135	29	246	63
Total		729	1257	729	1257	1079	931	1079	931	1808	2188
Combined Total		1986		1986		2010		2010		3996	
AM Peak	-	10:00	-	-	-	05:30	-	-	-	-	-
Vol.	-	143	-	-	-	157	-	-	-	-	-
P.H.F.		0.777				0.755					
PM Peak	-	-	02:15	-	-	-	02:45	-	-	-	-
Vol.	-	-	214	-	-	-	159	-	-	-	-
P.H.F.			0.849				0.811				
Percentage		36.7%	63.3%			53.7%	46.3%				
ADT/AADT		ADT 3,996		AADT 3,996							

Counts Unlimited, Inc

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City of Redlands
Lugonia Avenue
B/ California Street - Alabama Street (EB)
24 Hour Directional Volume Count

RED067
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		9	66			2	59				
12:15		3	54			5	72				
12:30		2	53			3	75				
12:45		1	57	15	230	5	60	15	266	30	496
01:00		2	55			4	63				
01:15		2	38			1	54				
01:30		1	47			1	71				
01:45		2	41	7	181	2	52	8	240	15	421
02:00		2	60			2	60				
02:15		1	44			4	**60**				
02:30		1	63			34	**71**				
02:45		0	68	4	235	2	**69**	42	260	46	495
03:00		0	47			2	**82**				
03:15		2	46			3	49				
03:30		4	53			4	61				
03:45		2	70	8	216	2	54	11	246	19	462
04:00		2	46			7	41				
04:15		6	54			6	46				
04:30		8	54			8	32				
04:45		7	**60**	23	214	10	49	31	168	54	382
05:00		3	**61**			7	63				
05:15		12	**65**			4	34				
05:30		5	**57**			23	41				
05:45		10	54	30	237	15	48	49	186	79	423
06:00		14	66			24	42				
06:15		27	50			30	33				
06:30		31	38			33	51				
06:45		28	38	100	192	31	49	118	175	218	367
07:00		27	30			47	33				
07:15		19	29			**58**	33				
07:30		27	23			**62**	29				
07:45		51	10	124	92	**41**	25	208	120	332	212
08:00		31	19			**59**	28				
08:15		33	11			49	14				
08:30		32	18			51	22				
08:45		38	10	134	58	57	15	216	79	350	137
09:00		47	9			38	30				
09:15		40	8			35	21				
09:30		41	10			56	13				
09:45		39	8	167	35	38	9	167	73	334	108
10:00		44	6			36	8				
10:15		50	7			43	7				
10:30		42	9			46	8				
10:45		**50**	12	186	34	53	9	178	32	364	66
11:00		**56**	7			49	7				
11:15		**46**	3			58	9				
11:30		**52**	3			51	7				
11:45		41	0	195	13	54	5	212	28	407	41
Total		993	1737	993	1737	1255	1873	1255	1873	2248	3610
Combined Total		2730		2730		3128		3128		5858	
AM Peak	-	10:45	-	-	-	07:15	-	-	-	-	-
Vol.	-	204	-	-	-	220	-	-	-	-	-
P.H.F.		0.911				0.887					
PM Peak	-	-	04:45	-	-	-	02:15	-	-	-	-
Vol.	-	-	243	-	-	-	282	-	-	-	-
P.H.F.			0.935				0.860				
Percentage		36.4%	63.6%			40.1%	59.9%				
ADT/AADT		ADT 5,858		AADT 5,858							

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City of Redlands
Lugonia Avenue
B/ Alabama Street - Tennessee Street (EB)
24 Hour Directional Volume Count

RED068
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		27	143			12	169				
12:15		15	143			13	157				
12:30		21	169			12	**169**				
12:45		10	155	73	610	11	**153**	48	648	121	1258
01:00		12	169			8	**159**				
01:15		13	159			7	**171**				
01:30		12	162			8	151				
01:45		9	155	46	645	9	146	32	627	78	1272
02:00		4	148			6	152				
02:15		12	121			11	154				
02:30		8	172			7	159				
02:45		6	138	30	579	6	146	30	611	60	1190
03:00		5	149			4	165				
03:15		2	164			4	144				
03:30		8	170			6	165				
03:45		4	153	19	636	7	159	21	633	40	1269
04:00		4	164			9	135				
04:15		4	185			12	147				
04:30		7	182			20	123				
04:45		7	**202**	22	733	24	161	65	566	87	1299
05:00		8	**228**			15	144				
05:15		7	**210**			19	164				
05:30		9	**200**			32	134				
05:45		12	157	36	795	50	139	116	581	152	1376
06:00		21	183			33	154				
06:15		15	191			41	171				
06:30		31	174			53	145				
06:45		24	161	91	709	81	144	208	614	299	1323
07:00		37	156			56	159				
07:15		33	158			87	151				
07:30		41	143			121	113				
07:45		48	116	159	573	132	109	396	532	555	1105
08:00		64	151			154	92				
08:15		58	90			150	103				
08:30		48	79			147	78				
08:45		81	65	251	385	122	79	573	352	824	737
09:00		76	63			94	80				
09:15		66	85			123	54				
09:30		75	77			112	54				
09:45		66	49	283	274	137	45	466	233	749	507
10:00		121	55			114	38				
10:15		116	47			**153**	36				
10:30		123	33			**138**	27				
10:45		113	24	473	159	**153**	18	558	119	1031	278
11:00		**129**	31			**142**	25				
11:15		**136**	25			149	23				
11:30		**135**	18			139	18				
11:45		**122**	23	522	97	154	18	584	84	1106	181
Total		2005	6195	2005	6195	3097	5600	3097	5600	5102	11795
Combined Total		8200		8200		8697		8697		16897	
AM Peak	-	11:00	-	-	-	10:15	-	-	-	-	-
Vol.	-	522	-	-	-	586	-	-	-	-	-
P.H.F.		0.960				0.951					
PM Peak	-	-	04:45	-	-	-	00:30	-	-	-	-
Vol.	-	-	840	-	-	-	652	-	-	-	-
P.H.F.			0.921				0.953				
Percentage		24.5%	75.5%			35.6%	64.4%				
ADT/AADT		ADT 16,897		AADT 16,897							

Counts Unlimited, Inc

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City of Redlands
Lugonia Avenue
B/ Tennessee Street - Texas Street
24 Hour Directional Volume Count

RED069
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		30	226			21	160				
12:15		24	209			12	173				
12:30		16	203			19	153				
12:45		20	205	90	843	13	167	65	653	155	1496
01:00		12	188			5	167				
01:15		17	226			13	152				
01:30		8	215			11	140				
01:45		9	249	46	878	11	121	40	580	86	1458
02:00		7	173			4	144				
02:15		11	236			8	**177**				
02:30		7	239			9	**215**				
02:45		3	253	28	901	4	**203**	25	739	53	1640
03:00		9	266			19	**190**				
03:15		16	324			9	167				
03:30		10	373			20	169				
03:45		17	289	52	1252	24	229	72	755	124	2007
04:00		11	374			14	139				
04:15		13	352			26	148				
04:30		10	335			33	155				
04:45		18	**408**	52	1469	44	165	117	607	169	2076
05:00		21	**396**			45	160				
05:15		21	**426**			41	184				
05:30		17	**351**			76	116				
05:45		28	339	87	1512	75	120	237	580	324	2092
06:00		32	348			61	166				
06:15		36	300			69	119				
06:30		44	258			81	145				
06:45		68	271	180	1177	130	142	341	572	521	1749
07:00		38	223			118	146				
07:15		67	209			188	124				
07:30		79	219			247	91				
07:45		88	155	272	806	251	90	804	451	1076	1257
08:00		128	153			**260**	89				
08:15		120	166			**265**	102				
08:30		105	144			**279**	70				
08:45		103	120	456	583	**260**	63	1064	324	1520	907
09:00		101	130			100	60				
09:15		93	110			118	67				
09:30		102	115			121	43				
09:45		123	95	419	450	131	39	470	209	889	659
10:00		151	77			123	31				
10:15		122	54			116	31				
10:30		138	48			117	35				
10:45		148	54	559	233	136	38	492	135	1051	368
11:00		**142**	52			125	35				
11:15		**158**	38			158	32				
11:30		**186**	38			148	19				
11:45		**183**	33	669	161	162	22	593	108	1262	269
Total		2910	10265	2910	10265	4320	5713	4320	5713	7230	15978
Combined Total		13175		13175		10033		10033		23208	
AM Peak	-	11:00	-	-	-	08:00	-	-	-	-	-
Vol.	-	669	-	-	-	1064	-	-	-	-	-
P.H.F.		0.899				0.953					
PM Peak	-	-	04:45	-	-	-	02:15	-	-	-	-
Vol.	-	-	1581	-	-	-	785	-	-	-	-
P.H.F.			0.928				0.913				
Percentage		22.1%	77.9%			43.1%	56.9%				
ADT/AADT		ADT 23,208		AADT 23,208							

Counts Unlimited, Inc

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City of Redlands
Lugonia Avenue
B/ Texas Street - Orange Street
24 Hour Directional Volume Count

RED070
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		20	144			4	118				
12:15		21	117			4	112				
12:30		14	118			4	112				
12:45		9	124	64	503	3	101	15	443	79	946
01:00		8	142			5	120				
01:15		6	138			2	111				
01:30		10	136			8	111				
01:45		7	145	31	561	4	98	19	440	50	1001
02:00		5	142			5	105				
02:15		4	118			5	125				
02:30		7	157			6	107				
02:45		7	171	23	588	3	99	19	436	42	1024
03:00		7	163			6	98				
03:15		3	187			6	**105**				
03:30		9	175			5	**127**				
03:45		4	231	23	756	13	**113**	30	443	53	1199
04:00		2	204			8	**113**				
04:15		9	203			18	90				
04:30		11	213			25	111				
04:45		8	211	30	831	27	98	78	412	108	1243
05:00		8	**242**			24	95				
05:15		14	**229**			29	96				
05:30		17	**268**			29	91				
05:45		18	**218**	57	957	54	119	136	401	193	1358
06:00		22	209			37	104				
06:15		21	204			49	110				
06:30		42	220			64	87				
06:45		34	199	119	832	99	88	249	389	368	1221
07:00		53	148			74	123				
07:15		47	142			143	94				
07:30		66	137			147	79				
07:45		63	108	229	535	**154**	65	518	361	747	896
08:00		84	99			**147**	53				
08:15		93	85			**152**	49				
08:30		82	78			**154**	46				
08:45		88	63	347	325	132	58	585	206	932	531
09:00		92	66			111	46				
09:15		80	58			90	36				
09:30		98	53			115	26				
09:45		79	56	349	233	88	31	404	139	753	372
10:00		110	44			98	23				
10:15		92	44			109	30				
10:30		110	26			100	15				
10:45		96	30	408	144	118	15	425	83	833	227
11:00		**102**	23			116	15				
11:15		**122**	20			146	8				
11:30		**113**	21			107	18				
11:45		**122**	19	459	83	115	11	484	52	943	135
Total		2139	6348	2139	6348	2962	3805	2962	3805	5101	10153
Combined Total		8487		8487		6767		6767		15254	
AM Peak	-	11:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	459	-	-	-	607	-	-	-	-	-
P.H.F.		0.941				0.985					
PM Peak	-	-	05:00	-	-	-	03:15	-	-	-	-
Vol.	-	-	957	-	-	-	458	-	-	-	-
P.H.F.			0.893				0.902				
Percentage		25.2%	74.8%			43.8%	56.2%				
ADT/AADT		ADT 15,254		AADT 15,254							

Counts Unlimited, Inc

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City of Redlands
Mariposa Drive
B/ Wabash Avenue - Country Club Drive
24 Hour Directional Volume Count

RED071
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	8			0	4				
12:15		0	6			0	2				
12:30		0	4			2	3				
12:45		0	4	1	22	0	4	2	13	3	35
01:00		0	4			0	8				
01:15		1	3			0	1				
01:30		0	4			0	2				
01:45		0	4	1	15	0	**8**	0	19	1	34
02:00		0	8			0	**5**				
02:15		0	10			0	**9**				
02:30		0	10			0	**3**				
02:45		0	4	0	32	0	5	0	22	0	54
03:00		0	10			0	6				
03:15		0	10			0	4				
03:30		0	8			0	4				
03:45		0	8	0	36	0	3	0	17	0	53
04:00		0	8			0	1				
04:15		0	**11**			0	6				
04:30		0	**10**			0	4				
04:45		1	**4**	1	33	1	6	1	17	2	50
05:00		0	**14**			0	3				
05:15		0	3			0	5				
05:30		0	8			2	2				
05:45		0	9	0	34	0	5	2	15	2	49
06:00		2	6			1	2				
06:15		2	6			2	2				
06:30		2	2			3	8				
06:45		3	2	9	16	5	6	11	18	20	34
07:00		0	2			4	1				
07:15		3	4			**7**	0				
07:30		**8**	1			**12**	2				
07:45		**12**	4	23	11	**8**	1	31	4	54	15
08:00		**1**	6			**11**	2				
08:15		**8**	2			6	3				
08:30		3	4			6	4				
08:45		3	2	15	14	4	1	27	10	42	24
09:00		6	3			8	0				
09:15		7	3			3	0				
09:30		10	5			2	2				
09:45		4	0	27	11	6	0	19	2	46	13
10:00		2	0			7	1				
10:15		4	1			4	2				
10:30		4	0			5	0				
10:45		4	0	14	1	2	0	18	3	32	4
11:00		8	1			4	0				
11:15		8	0			3	0				
11:30		4	2			6	0				
11:45		7	0	27	3	3	0	16	0	43	3
Total		118	228	118	228	127	140	127	140	245	368
Combined Total		346		346		267		267		613	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	29	-	-	-	38	-	-	-	-	-
P.H.F.		0.604				0.792					
PM Peak	-	-	04:15	-	-	-	01:45	-	-	-	-
Vol.	-	-	39	-	-	-	25	-	-	-	-
P.H.F.			0.696				0.694				
Percentage		34.1%	65.9%			47.6%	52.4%				
ADT/AADT		ADT 613		AADT 613							

Counts Unlimited, Inc

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City of Redlands
Mariposa Drive
B/ Country Club Drive - Garden Street
24 Hour Directional Volume Count

RED072
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	30			0	15				
12:15		0	24			0	16				
12:30		1	14			1	14				
12:45		1	17	3	85	0	25	1	70	4	155
01:00		1	20			1	22				
01:15		1	12			1	17				
01:30		1	28			0	10				
01:45		0	25	3	85	0	**20**	2	69	5	154
02:00		0	36			0	**24**				
02:15		0	16			0	**38**				
02:30		0	22			0	**28**				
02:45		0	17	0	91	0	18	0	108	0	199
03:00		0	30			0	20				
03:15		0	30			0	26				
03:30		0	32			1	17				
03:45		0	27	0	119	1	31	2	94	2	213
04:00		0	32			0	14				
04:15		0	34			1	22				
04:30		4	32			4	16				
04:45		3	32	7	130	4	12	9	64	16	194
05:00		0	**46**			0	16				
05:15		0	**38**			5	18				
05:30		1	**40**			5	13				
05:45		1	**42**	2	166	8	22	18	69	20	235
06:00		3	32			4	14				
06:15		2	42			8	14				
06:30		6	20			12	16				
06:45		4	24	15	118	20	14	44	58	59	176
07:00		2	17			18	10				
07:15		**16**	18			**40**	4				
07:30		**28**	11			**58**	9				
07:45		**38**	21	84	67	**64**	4	180	27	264	94
08:00		**11**	14			**56**	10				
08:15		12	8			33	7				
08:30		17	8			32	6				
08:45		16	16	56	46	28	5	149	28	205	74
09:00		14	8			22	5				
09:15		18	10			14	2				
09:30		21	8			14	4				
09:45		16	2	69	28	20	0	70	11	139	39
10:00		9	3			25	3				
10:15		13	2			21	1				
10:30		18	1			19	1				
10:45		8	1	48	7	14	1	79	6	127	13
11:00		22	1			20	2				
11:15		24	3			18	0				
11:30		16	1			16	1				
11:45		17	1	79	6	20	2	74	5	153	11
Total		366	948	366	948	628	609	628	609	994	1557
Combined Total		1314		1314		1237		1237		2551	
AM Peak	-	07:15	-	-	-	07:15	-	-	-	-	-
Vol.	-	93	-	-	-	218	-	-	-	-	-
P.H.F.		0.612				0.852					
PM Peak	-	-	05:00	-	-	-	01:45	-	-	-	-
Vol.	-	-	166	-	-	-	110	-	-	-	-
P.H.F.			0.902				0.724				
Percentage		27.9%	72.1%			50.8%	49.2%				
ADT/AADT		ADT 2,551		AADT 2,551							

Counts Unlimited, Inc

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City of Redlands
Mariposa Drive
B/ Halsey Street - Dwight Street
24 Hour Directional Volume Count

RED073
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	2			0	4				
12:15		0	3			0	1				
12:30		0	1			0	0				
12:45		0	2	0	8	0	2	0	7	0	15
01:00		0	1			0	1				
01:15		0	1			0	2				
01:30		0	2			0	1				
01:45		0	0	0	4	0	2	0	6	0	10
02:00		0	1			0	1				
02:15		0	1			0	2				
02:30		0	**1**			0	0				
02:45		0	**3**	0	6	0	2	0	5	0	11
03:00		0	**4**			0	2				
03:15		0	**2**			0	4				
03:30		0	0			0	1				
03:45		0	4	0	10	0	2	0	9	0	19
04:00		0	1			0	1				
04:15		0	3			0	1				
04:30		0	0			0	1				
04:45		0	1	0	5	0	2	0	5	0	10
05:00		2	0			2	0				
05:15		1	2			2	1				
05:30		0	0			0	0				
05:45		0	2	3	4	0	4	4	5	7	9
06:00		0	0			0	0				
06:15		0	0			0	**2**				
06:30		0	1			0	**12**				
06:45		1	2	1	3	1	**10**	1	24	2	27
07:00		1	2			2	**1**				
07:15		1	1			0	0				
07:30		1	0			1	0				
07:45		1	1	4	4	3	0	6	1	10	5
08:00		2	1			1	0				
08:15		0	0			0	2				
08:30		0	0			1	0				
08:45		**3**	0	5	1	1	1	3	3	8	4
09:00		**1**	0			3	0				
09:15		**0**	0			1	0				
09:30		**3**	0			0	0				
09:45		2	0	6	0	4	0	8	0	14	0
10:00		1	0			2	0				
10:15		0	0			1	0				
10:30		0	0			1	0				
10:45		1	1	2	1	**4**	0	8	0	10	1
11:00		0	0			**2**	0				
11:15		2	0			**2**	0				
11:30		1	1			**2**	0				
11:45		4	1	7	2	3	0	9	0	16	2
Total		28	48	28	48	39	65	39	65	67	113
Combined Total		76		76		104		104		180	
AM Peak	-	08:45	-	-	-	10:45	-	-	-	-	-
Vol.	-	7	-	-	-	10	-	-	-	-	-
P.H.F.		0.583				0.625					
PM Peak	-	-	02:30	-	-	-	06:15	-	-	-	-
Vol.	-	-	10	-	-	-	25	-	-	-	-
P.H.F.			0.625				0.521				
Percentage		36.8%	63.2%			37.5%	62.5%				
ADT/AADT		ADT 180		AADT 180							

Counts Unimited, Inc.

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City of Redlands
Mountain View Avenue
B/ Interstate 10 - Central Avenue
24 Hour Directional Volume Count

RED074
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		38	77			19	62				
12:15		38	108			36	85				
12:30		21	90			20	96				
12:45		27	80	124	355	17	61	92	304	216	659
01:00		19	81			28	72				
01:15		22	70			43	81				
01:30		30	105			54	127				
01:45		23	100	94	356	20	104	145	384	239	740
02:00		30	95			17	118				
02:15		37	111			39	80				
02:30		25	96			26	**142**				
02:45		23	85	115	387	14	**122**	96	462	211	849
03:00		24	91			26	**114**				
03:15		25	96			14	**90**				
03:30		33	105			17	115				
03:45		30	110	112	402	28	110	85	429	197	831
04:00		27	94			26	111				
04:15		47	78			39	92				
04:30		51	132			50	117				
04:45		71	**113**	196	417	53	102	168	422	364	839
05:00		39	**110**			64	125				
05:15		55	**114**			28	112				
05:30		69	**134**			45	116				
05:45		117	100	280	458	40	75	177	428	457	886
06:00		95	105			38	136				
06:15		81	90			69	84				
06:30		**100**	76			45	88				
06:45		**118**	78	394	349	60	72	212	380	606	729
07:00		**78**	56			**80**	65				
07:15		**127**	58			**81**	69				
07:30		97	47			**77**	80				
07:45		66	48	368	209	**89**	52	327	266	695	475
08:00		97	66			80	38				
08:15		101	44			68	48				
08:30		49	34			69	36				
08:45		63	38	310	182	65	40	282	162	592	344
09:00		60	54			81	52				
09:15		72	30			72	38				
09:30		52	40			66	27				
09:45		60	38	244	162	76	28	295	145	539	307
10:00		58	54			70	29				
10:15		60	34			52	20				
10:30		64	26			50	40				
10:45		58	28	240	142	86	32	258	121	498	263
11:00		49	31			64	32				
11:15		62	24			87	31				
11:30		62	34			80	39				
11:45		61	34	234	123	88	33	319	135	553	258
Total		2711	3542	2711	3542	2456	3638	2456	3638	5167	7180
Combined Total		6253		6253		6094		6094		12347	
AM Peak	-	06:30	-	-	-	07:00	-	-	-	-	-
Vol.	-	423	-	-	-	327	-	-	-	-	-
P.H.F.		0.833				0.919					
PM Peak	-	-	04:45	-	-	-	02:30	-	-	-	-
Vol.	-	-	471	-	-	-	468	-	-	-	-
P.H.F.			0.879				0.824				
Percentage		43.4%	56.6%			40.3%	59.7%				
ADT/AADT		ADT 12,347		AADT 12,347							

Counts Unlimited, Inc

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City of Redlands
New York Street
B/ Colton Avenue - Lugonia Avenue
24 Hour Directional Volume Count

RED075
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	63			5	82				
12:15		2	51			4	78				
12:30		3	63			6	76				
12:45		0	56	7	233	0	98	15	334	22	567
01:00		2	54			3	79				
01:15		0	62			4	82				
01:30		1	58			4	70				
01:45		1	48	4	222	5	82	16	313	20	535
02:00		1	49			4	80				
02:15		2	56			3	82				
02:30		0	56			1	78				
02:45		0	49	3	210	1	78	9	318	12	528
03:00		2	52			0	80				
03:15		4	47			4	73				
03:30		1	62			2	98				
03:45		2	70	9	231	8	112	14	363	23	594
04:00		3	78			4	100				
04:15		4	54			10	76				
04:30		4	**70**			7	**104**				
04:45		4	**64**	15	266	8	**106**	29	386	44	652
05:00		5	**68**			10	**107**				
05:15		3	**85**			4	**122**				
05:30		8	53			10	101				
05:45		12	46	28	252	12	82	36	412	64	664
06:00		8	51			11	86				
06:15		7	35			13	72				
06:30		13	40			16	53				
06:45		21	44	49	170	39	70	79	281	128	451
07:00		8	50			21	62				
07:15		25	37			38	52				
07:30		12	20			34	36				
07:45		28	34	73	141	43	48	136	198	209	339
08:00		48	17			72	38				
08:15		33	32			55	38				
08:30		48	15			66	33				
08:45		38	18	167	82	58	27	251	136	418	218
09:00		28	20			44	28				
09:15		32	22			50	32				
09:30		34	11			36	20				
09:45		39	13	133	66	65	20	195	100	328	166
10:00		36	8			57	22				
10:15		35	8			66	8				
10:30		32	12			46	19				
10:45		32	12	135	40	57	14	226	63	361	103
11:00		**44**	8			**58**	15				
11:15		**40**	8			**62**	14				
11:30		**56**	4			**62**	8				
11:45		**58**	8	198	28	**82**	11	264	48	462	76
Total		821	1941	821	1941	1270	2952	1270	2952	2091	4893
Combined Total		2762		2762		4222		4222		6984	
AM Peak	-	11:00	-	-	-	11:00	-	-	-	-	-
Vol.	-	198	-	-	-	264	-	-	-	-	-
P.H.F.		0.853				0.805					
PM Peak	-	-	04:30	-	-	-	04:30	-	-	-	-
Vol.	-	-	287	-	-	-	439	-	-	-	-
P.H.F.			0.844				0.900				
Percentage		29.7%	70.3%			30.1%	69.9%				
ADT/AADT		ADT 6,984		AADT 6,984							

Counts Unlimited, Inc

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City of Redlands
Olive Avenue
B/ Citrus Avenue - San Mateo Street
24 Hour Directional Volume Count

RED076
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	39			4	**55**				
12:15		0	22			2	**53**				
12:30		0	30			0	**48**				
12:45		2	32	4	123	0	**48**	6	204	10	327
01:00		2	34			2	45				
01:15		1	26			3	56				
01:30		0	32			2	38				
01:45		1	38	4	130	3	56	10	195	14	325
02:00		3	56			2	43				
02:15		0	36			3	41				
02:30		2	40			1	40				
02:45		1	38	6	170	0	48	6	172	12	342
03:00		0	44			1	43				
03:15		0	**54**			1	38				
03:30		0	**57**			0	57				
03:45		1	**40**	1	195	1	37	3	175	4	370
04:00		2	**45**			1	42				
04:15		1	43			1	33				
04:30		2	47			1	44				
04:45		4	50	9	185	1	42	4	161	13	346
05:00		6	50			3	50				
05:15		8	44			2	48				
05:30		11	40			7	48				
05:45		11	44	36	178	8	55	20	201	56	379
06:00		10	43			14	41				
06:15		12	42			14	47				
06:30		14	21			21	48				
06:45		20	23	56	129	23	30	72	166	128	295
07:00		25	22			24	36				
07:15		34	15			30	34				
07:30		**38**	14			49	34				
07:45		**70**	16	167	67	**68**	28	171	132	338	199
08:00		**52**	14			**62**	24				
08:15		**46**	16			**66**	22				
08:30		37	8			**51**	37				
08:45		40	12	175	50	39	18	218	101	393	151
09:00		26	12			24	12				
09:15		32	5			38	26				
09:30		29	10			32	12				
09:45		28	3	115	30	34	10	128	60	243	90
10:00		19	11			38	13				
10:15		27	4			44	8				
10:30		30	0			45	8				
10:45		26	4	102	19	38	12	165	41	267	60
11:00		23	16			56	6				
11:15		34	1			44	5				
11:30		29	3			45	2				
11:45		44	5	130	25	54	0	199	13	329	38
Total		805	1301	805	1301	1002	1621	1002	1621	1807	2922
Combined Total		2106		2106		2623		2623		4729	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	206	-	-	-	247	-	-	-	-	-
P.H.F.		0.736				0.908					
PM Peak	-	-	03:15	-	-	-	12:00	-	-	-	-
Vol.	-	-	196	-	-	-	204	-	-	-	-
P.H.F.			0.860				0.927				
Percentage		38.2%	61.8%			38.2%	61.8%				
ADT/AADT		ADT 4,729		AADT 4,729							

Counts Unlimited, Inc

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City of Redlands
Olive Avenue
B/ San Mateo Street - Terracina Boulevard
24 Hour Directional Volume Count

RED077
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	30			2	21				
12:15		0	13			0	23				
12:30		1	19			0	26				
12:45		3	15	7	77	1	23	3	93	10	170
01:00		2	18			0	30				
01:15		0	21			0	25				
01:30		0	28			0	13				
01:45		1	22	3	89	0	17	0	85	3	174
02:00		1	23			1	**26**				
02:15		0	18			1	**37**				
02:30		0	33			1	**31**				
02:45		1	29	2	103	0	**31**	3	125	5	228
03:00		0	33			0	24				
03:15		1	35			1	30				
03:30		0	43			0	35				
03:45		0	37	1	148	2	23	3	112	4	260
04:00		0	29			2	26				
04:15		0	27			2	19				
04:30		2	**34**			3	18				
04:45		1	**32**	3	122	2	30	9	93	12	215
05:00		2	**49**			7	24				
05:15		2	**35**			4	13				
05:30		2	25			7	15				
05:45		3	19	9	128	10	23	28	75	37	203
06:00		5	26			4	17				
06:15		5	22			13	13				
06:30		5	18			8	17				
06:45		2	5	17	71	27	10	52	57	69	128
07:00		11	15			23	11				
07:15		**25**	11			25	8				
07:30		**27**	13			**53**	12				
07:45		**39**	13	102	52	**80**	8	181	39	283	91
08:00		**32**	10			**52**	11				
08:15		23	5			**39**	9				
08:30		21	4			43	7				
08:45		24	5	100	24	21	4	155	31	255	55
09:00		12	7			19	7				
09:15		15	2			21	9				
09:30		23	7			17	8				
09:45		19	4	69	20	20	7	77	31	146	51
10:00		16	6			17	2				
10:15		13	5			21	8				
10:30		30	0			21	1				
10:45		18	3	77	14	18	5	77	16	154	30
11:00		19	1			25	3				
11:15		21	2			22	0				
11:30		23	6			20	1				
11:45		34	2	97	11	30	1	97	5	194	16
Total		487	859	487	859	685	762	685	762	1172	1621
Combined Total		1346		1346		1447		1447		2793	
AM Peak	-	07:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	123	-	-	-	224	-	-	-	-	-
P.H.F.		0.788				0.700					
PM Peak	-	-	04:30	-	-	-	02:00	-	-	-	-
Vol.	-	-	150	-	-	-	125	-	-	-	-
P.H.F.			0.765				0.845				
Percentage		36.2%	63.8%			47.3%	52.7%				
ADT/AADT		ADT 2,793		AADT 2,793							

Counts Unlimited, Inc

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City of Redlands
Orange Street
B/ Lugonia Avenue - Pioneer Avenue
24 Hour Directional Volume Count

RED078
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	90			11	78				
12:15		4	74			8	88				
12:30		8	86			3	70				
12:45		5	83	27	333	5	86	27	322	54	655
01:00		3	64			4	84				
01:15		1	89			2	80				
01:30		3	92			4	74				
01:45		3	90	10	335	4	99	14	337	24	672
02:00		4	77			9	104				
02:15		3	100			5	84				
02:30		4	81			5	90				
02:45		5	94	16	352	3	106	22	384	38	736
03:00		8	90			4	**122**				
03:15		7	122			13	**168**				
03:30		10	140			18	**134**				
03:45		5	104	30	456	9	**112**	44	536	74	992
04:00		10	108			6	110				
04:15		10	112			10	118				
04:30		13	**122**			14	102				
04:45		15	**140**	48	482	5	80	35	410	83	892
05:00		16	**114**			7	108				
05:15		14	**144**			15	90				
05:30		30	104			16	84				
05:45		29	126	89	488	22	100	60	382	149	870
06:00		22	104			26	103				
06:15		39	96			38	92				
06:30		40	66			46	80				
06:45		48	83	149	349	55	95	165	370	314	719
07:00		56	62			45	88				
07:15		98	52			67	92				
07:30		**104**	40			84	96				
07:45		**106**	56	364	210	**92**	69	288	345	652	555
08:00		**102**	58			**106**	77				
08:15		**115**	40			**118**	42				
08:30		92	42			**86**	55				
08:45		60	43	369	183	54	37	364	211	733	394
09:00		86	33			70	46				
09:15		61	25			75	29				
09:30		56	20			64	36				
09:45		62	23	265	101	72	30	281	141	546	242
10:00		70	13			77	36				
10:15		75	11			76	24				
10:30		80	14			72	17				
10:45		78	12	303	50	80	17	305	94	608	144
11:00		63	6			68	20				
11:15		65	14			63	9				
11:30		76	10			85	11				
11:45		74	3	278	33	82	8	298	48	576	81
Total		1948	3372	1948	3372	1903	3580	1903	3580	3851	6952
Combined Total		5320		5320		5483		5483		10803	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	427	-	-	-	402	-	-	-	-	-
P.H.F.		0.928				0.852					
PM Peak	-	-	04:30	-	-	-	03:00	-	-	-	-
Vol.	-	-	520	-	-	-	536	-	-	-	-
P.H.F.			0.903				0.798				
Percentage		36.6%	63.4%			34.7%	65.3%				
ADT/AADT		ADT 10,803		AADT 10,803							

Counts Unlimited, Inc

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City of Redlands
Orange Street
B/ Pioneer Avenue - Hubbard Court
24 Hour Directional Volume Count

RED079
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		6	80			11	88				
12:15		11	70			6	88				
12:30		7	83			9	73				
12:45		7	94	31	327	5	74	31	323	62	650
01:00		7	88			4	62				
01:15		5	90			5	80				
01:30		4	74			3	92				
01:45		4	80	20	332	4	96	16	330	36	662
02:00		8	94			2	113				
02:15		2	154			8	115				
02:30		9	108			6	112				
02:45		6	106	25	462	5	110	21	450	46	912
03:00		6	110			8	164				
03:15		10	**206**			3	179				
03:30		13	**270**			7	168				
03:45		4	**177**	33	763	11	120	29	631	62	1394
04:00		10	**148**			6	136				
04:15		6	121			18	166				
04:30		8	123			12	159				
04:45		8	114	32	506	15	183	51	644	83	1150
05:00		19	128			9	**190**				
05:15		17	146			24	**211**				
05:30		20	116			48	**226**				
05:45		28	140	84	530	50	**184**	131	811	215	1341
06:00		48	128			43	130				
06:15		50	120			54	131				
06:30		51	156			46	100				
06:45		56	168	205	572	64	126	207	487	412	1059
07:00		94	162			91	80				
07:15		112	85			136	70				
07:30		**150**	114			**144**	56				
07:45		**154**	75	510	436	**242**	60	613	266	1123	702
08:00		**164**	106			**250**	49				
08:15		**200**	98			**174**	49				
08:30		140	73			91	48				
08:45		74	56	578	333	80	48	595	194	1173	527
09:00		74	69			79	39				
09:15		76	32			82	34				
09:30		80	51			67	31				
09:45		68	29	298	181	67	22	295	126	593	307
10:00		61	34			78	20				
10:15		65	31			89	23				
10:30		80	27			88	12				
10:45		80	20	286	112	78	24	333	79	619	191
11:00		72	18			68	19				
11:15		73	12			56	15				
11:30		64	8			88	11				
11:45		79	8	288	46	64	8	276	53	564	99
Total		2390	4600	2390	4600	2598	4394	2598	4394	4988	8994
Combined Total		6990		6990		6992		6992		13982	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	668	-	-	-	810	-	-	-	-	-
P.H.F.		0.835				0.810					
PM Peak	-	-	03:15	-	-	-	05:00	-	-	-	-
Vol.	-	-	801	-	-	-	811	-	-	-	-
P.H.F.			0.742				0.897				
Percentage		34.2%	65.8%			37.2%	62.8%				
ADT/AADT		ADT 13,982		AADT 13,982							

Counts Unlimited, Inc

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City of Redlands
Orange Street
B/ Hubbard Court - City Limit
24 Hour Directional Volume Count

RED080
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		7	84			13	86				
12:15		10	69			7	87				
12:30		7	77			9	72				
12:45		5	95	29	325	6	73	35	318	64	643
01:00		6	86			5	63				
01:15		5	78			5	84				
01:30		4	80			4	93				
01:45		4	75	19	319	4	99	18	339	37	658
02:00		6	99			2	111				
02:15		4	150			8	117				
02:30		9	110			6	112				
02:45		5	104	24	463	5	116	21	456	45	919
03:00		6	103			8	170				
03:15		9	**190**			4	180				
03:30		12	**272**			8	172				
03:45		3	**184**	30	749	12	117	32	639	62	1388
04:00		10	**156**			8	131				
04:15		6	120			19	163				
04:30		7	122			12	162				
04:45		4	119	27	517	16	180	55	636	82	1153
05:00		24	124			8	**196**				
05:15		16	149			24	**206**				
05:30		22	111			46	**225**				
05:45		28	148	90	532	48	**186**	126	813	216	1345
06:00		46	112			46	134				
06:15		49	132			55	134				
06:30		50	156			48	96				
06:45		56	158	201	558	60	134	209	498	410	1056
07:00		88	160			96	86				
07:15		110	88			144	70				
07:30		136	112			**150**	60				
07:45		**160**	78	494	438	**246**	58	636	274	1130	712
08:00		**163**	101			**256**	48				
08:15		**189**	101			**182**	50				
08:30		**150**	70			90	52				
08:45		74	55	576	327	80	48	608	198	1184	525
09:00		70	68			80	42				
09:15		81	30			77	35				
09:30		78	51			70	32				
09:45		66	28	295	177	68	24	295	133	590	310
10:00		64	33			76	21				
10:15		60	30			92	26				
10:30		78	26			88	14				
10:45		77	19	279	108	80	23	336	84	615	192
11:00		70	20			68	18				
11:15		75	10			58	15				
11:30		62	8			87	12				
11:45		78	20	285	58	66	10	279	55	564	113
Total		2349	4571	2349	4571	2650	4443	2650	4443	4999	9014
Combined Total		6920		6920		7093		7093		14013	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	662	-	-	-	834	-	-	-	-	-
P.H.F.		0.876				0.814					
PM Peak	-	-	03:15	-	-	-	05:00	-	-	-	-
Vol.	-	-	802	-	-	-	813	-	-	-	-
P.H.F.			0.737				0.903				
Percentage		33.9%	66.1%			37.4%	62.6%				
ADT/AADT		ADT 14,013		AADT 14,013							

Counts Unlimited, Inc

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City of Redlands
Orange Tree Lane
B/ California Street - Nevada Street
24 Hour Directional Volume Count

RED081
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	52			2	55				
12:15		2	43			1	42				
12:30		5	31			2	36				
12:45		7	57	19	183	0	39	5	172	24	355
01:00		6	45			1	37				
01:15		10	42			2	47				
01:30		8	42			3	52				
01:45		2	35	26	164	1	26	7	162	33	326
02:00		1	41			1	47				
02:15		7	40			1	55				
02:30		11	39			4	73				
02:45		2	48	21	168	1	42	7	217	28	385
03:00		12	26			1	53				
03:15		14	37			0	40				
03:30		16	30			0	61				
03:45		11	43	53	136	1	40	2	194	55	330
04:00		7	**55**			1	63				
04:15		8	**40**			1	35				
04:30		13	**45**			0	**74**				
04:45		8	**50**	36	190	6	**57**	8	229	44	419
05:00		10	48			7	**70**				
05:15		17	44			5	**65**				
05:30		18	34			8	41				
05:45		24	37	69	163	8	33	28	209	97	372
06:00		21	26			9	35				
06:15		25	19			2	27				
06:30		17	20			29	28				
06:45		32	19	95	84	12	9	52	99	147	183
07:00		27	22			23	14				
07:15		24	21			18	13				
07:30		33	26			29	15				
07:45		**75**	16	159	85	28	9	98	51	257	136
08:00		**57**	14			30	12				
08:15		**51**	22			25	14				
08:30		**55**	9			30	15				
08:45		73	2	236	47	24	10	109	51	345	98
09:00		44	10			31	7				
09:15		39	12			31	4				
09:30		33	10			30	7				
09:45		34	13	150	45	33	3	125	21	275	66
10:00		33	10			26	4				
10:15		26	3			24	2				
10:30		36	2			27	10				
10:45		35	10	130	25	**48**	1	125	17	255	42
11:00		36	3			**30**	8				
11:15		29	3			**34**	1				
11:30		33	0			**51**	4				
11:45		37	7	135	13	39	1	154	14	289	27
Total		1129	1303	1129	1303	720	1436	720	1436	1849	2739
Combined Total		2432		2432		2156		2156		4588	
AM Peak	-	07:45	-	-	-	10:45	-	-	-	-	-
Vol.	-	238	-	-	-	163	-	-	-	-	-
P.H.F.		0.793				0.799					
PM Peak	-	-	04:00	-	-	-	04:30	-	-	-	-
Vol.	-	-	190	-	-	-	266	-	-	-	-
P.H.F.			0.864				0.899				
Percentage		46.4%	53.6%			33.4%	66.6%				
ADT/AADT		ADT 4,588		AADT 4,588							

Counts Unlimited, Inc

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City of Redlands
Orange Tree Lane
B/ Nevada Street - Alabama Street
24 Hour Directional Volume Count

RED082
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	49			1	29				
12:15		1	42			0	**32**				
12:30		1	32			1	**28**				
12:45		4	22	7	145	1	**44**	3	133	10	278
01:00		0	26			0	**33**				
01:15		1	33			0	28				
01:30		1	23			1	25				
01:45		0	26	2	108	1	30	2	116	4	224
02:00		1	22			1	36				
02:15		0	28			1	30				
02:30		0	50			0	26				
02:45		0	30	1	130	2	28	4	120	5	250
03:00		1	25			0	22				
03:15		1	37			1	22				
03:30		1	41			2	30				
03:45		3	28	6	131	0	17	3	91	9	222
04:00		4	38			3	30				
04:15		3	36			7	29				
04:30		3	**50**			3	32				
04:45		1	**52**	11	176	10	29	23	120	34	296
05:00		1	**92**			6	28				
05:15		5	**60**			8	13				
05:30		4	50			11	11				
05:45		6	24	16	226	24	14	49	66	65	292
06:00		6	30			13	20				
06:15		4	22			12	13				
06:30		5	18			13	17				
06:45		4	21	19	91	37	15	75	65	94	156
07:00		9	12			36	10				
07:15		5	14			24	4				
07:30		18	12			35	19				
07:45		18	9	50	47	**50**	14	145	47	195	94
08:00		18	5			**26**	10				
08:15		13	8			**32**	2				
08:30		12	5			**44**	8				
08:45		14	3	57	21	35	8	137	28	194	49
09:00		26	6			24	5				
09:15		23	3			30	4				
09:30		18	2			27	8				
09:45		32	4	99	15	28	3	109	20	208	35
10:00		22	4			28	5				
10:15		18	0			27	0				
10:30		17	4			25	6				
10:45		23	2	80	10	34	0	114	11	194	21
11:00		**34**	4			22	4				
11:15		**30**	3			22	1				
11:30		**34**	1			31	1				
11:45		**46**	2	144	10	29	0	104	6	248	16
Total		492	1110	492	1110	768	823	768	823	1260	1933
Combined Total		1602		1602		1591		1591		3193	
AM Peak	-	11:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	144	-	-	-	152	-	-	-	-	-
P.H.F.		0.783				0.760					
PM Peak	-	-	04:30	-	-	-	00:15	-	-	-	-
Vol.	-	-	254	-	-	-	137	-	-	-	-
P.H.F.			0.690				0.778				
Percentage		30.7%	69.3%			48.3%	51.7%				
ADT/AADT		ADT 3,193		AADT 3,193							

Counts Unlimited, Inc

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City of Redlands
Pacific Street
B/ Crescent Avenue - Carob Street
24 Hour Directional Volume Count

RED083
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	4			0	2				
12:15		0	3			0	2				
12:30		0	0			0	2				
12:45		0	0	0	7	0	2	0	8	0	15
01:00		0	4			0	3				
01:15		1	2			0	8				
01:30		0	7			1	1				
01:45		1	5	2	18	1	4	2	16	4	34
02:00		0	6			0	5				
02:15		0	8			0	4				
02:30		1	3			0	2				
02:45		0	2	1	19	1	4	1	15	2	34
03:00		0	**5**			0	7				
03:15		0	**11**			0	3				
03:30		0	**6**			0	**6**				
03:45		0	**9**	0	31	0	**4**	0	20	0	51
04:00		0	3			0	**3**				
04:15		0	7			1	**9**				
04:30		0	0			0	5				
04:45		0	6	0	16	0	4	1	21	1	37
05:00		0	5			1	4				
05:15		1	3			0	2				
05:30		0	7			1	3				
05:45		2	4	3	19	1	1	3	10	6	29
06:00		0	2			3	3				
06:15		0	4			3	4				
06:30		1	4			6	1				
06:45		2	6	3	16	5	3	17	11	20	27
07:00		0	4			7	2				
07:15		2	2			4	1				
07:30		3	3			3	2				
07:45		0	1	5	10	5	1	19	6	24	16
08:00		**2**	2			4	2				
08:15		**4**	1			**12**	3				
08:30		**6**	0			**3**	0				
08:45		**2**	2	14	5	**7**	0	26	5	40	10
09:00		2	1			**5**	2				
09:15		3	1			0	0				
09:30		2	4			2	0				
09:45		3	1	10	7	3	1	10	3	20	10
10:00		2	0			1	1				
10:15		4	0			1	2				
10:30		5	1			10	0				
10:45		0	1	11	2	3	1	15	4	26	6
11:00		2	0			5	0				
11:15		4	0			4	0				
11:30		2	0			4	0				
11:45		4	1	12	1	6	1	19	1	31	2
Total		61	151	61	151	113	120	113	120	174	271
Combined Total		212		212		233		233		445	
AM Peak	-	08:00	-	-	-	08:15	-	-	-	-	-
Vol.	-	14	-	-	-	27	-	-	-	-	-
P.H.F.		0.583				0.563					
PM Peak	-	-	03:00	-	-	-	03:30	-	-	-	-
Vol.	-	-	31	-	-	-	22	-	-	-	-
P.H.F.			0.705				0.611				
Percentage		28.8%	71.2%			48.5%	51.5%				
ADT/AADT		ADT 445		AADT 445							

Counts Unlimited, Inc

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City of Redlands
Pacific Street
B/ Carob Street - Ridge Street
24 Hour Directional Volume Count

RED084
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	1			0	1				
12:15		0	2			0	2				
12:30		0	1			0	0				
12:45		0	0	0	4	0	1	0	4	0	8
01:00		0	0			0	0				
01:15		0	**4**			0	4				
01:30		0	**3**			0	1				
01:45		0	**2**	0	9	0	3	0	8	0	17
02:00		0	**3**			0	**3**				
02:15		1	1			0	**5**				
02:30		0	6			0	**1**				
02:45		0	2	1	12	0	**4**	0	13	1	25
03:00		0	1			0	1				
03:15		0	1			0	2				
03:30		0	1			0	1				
03:45		0	3	0	6	0	0	0	4	0	10
04:00		0	2			0	5				
04:15		0	4			0	6				
04:30		0	0			0	0				
04:45		0	3	0	9	0	0	0	11	0	20
05:00		0	2			0	2				
05:15		0	2			0	1				
05:30		0	2			2	3				
05:45		2	1	2	7	2	1	4	7	6	14
06:00		0	1			2	3				
06:15		0	4			0	3				
06:30		0	2			1	0				
06:45		1	4	1	11	1	0	4	6	5	17
07:00		2	0			**4**	1				
07:15		1	1			**3**	0				
07:30		4	1			**1**	0				
07:45		0	0	7	2	**5**	0	13	1	20	3
08:00		4	2			0	1				
08:15		1	0			2	2				
08:30		1	0			0	0				
08:45		1	1	7	3	1	1	3	4	10	7
09:00		1	2			0	1				
09:15		1	1			5	1				
09:30		0	1			0	0				
09:45		2	2	4	6	2	0	7	2	11	8
10:00		2	0			3	0				
10:15		**2**	0			1	3				
10:30		**2**	0			1	0				
10:45		**4**	0	10	0	2	0	7	3	17	3
11:00		**3**	0			1	0				
11:15		1	0			3	0				
11:30		2	0			0	0				
11:45		0	0	6	0	2	1	6	1	12	1
Total		38	69	38	69	44	64	44	64	82	133
Combined Total		107		107		108		108		215	
AM Peak	-	10:15	-	-	-	07:00	-	-	-	-	-
Vol.	-	11	-	-	-	13	-	-	-	-	-
P.H.F.		0.688				0.650					
PM Peak	-	-	01:15	-	-	-	02:00	-	-	-	-
Vol.	-	-	12	-	-	-	13	-	-	-	-
P.H.F.			0.750				0.650				
Percentage		35.5%	64.5%			40.7%	59.3%				
ADT/AADT		ADT 215		AADT 215							

Counts Unlimited, Inc

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City of Redlands
Palm Avenue
B/ Serpentine Drive - San Mateo Street
24 Hour Directional Volume Count

RED085
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	10			0	14				
12:15		1	12			0	5				
12:30		0	15			0	10				
12:45		0	6	1	43	0	6	0	35	1	78
01:00		0	4			0	6				
01:15		0	10			0	9				
01:30		0	16			0	6				
01:45		0	11	0	41	0	16	0	37	0	78
02:00		0	6			1	12				
02:15		0	6			0	14				
02:30		0	12			0	10				
02:45		0	12	0	36	0	**18**	1	54	1	90
03:00		0	16			0	**16**				
03:15		0	18			2	**14**				
03:30		0	14			0	**15**				
03:45		2	8	2	56	0	10	2	55	4	111
04:00		0	15			0	10				
04:15		0	20			1	4				
04:30		0	10			2	12				
04:45		0	**18**	0	63	2	14	5	40	5	103
05:00		2	**16**			0	12				
05:15		3	**22**			0	8				
05:30		1	**19**			0	16				
05:45		1	16	7	73	5	8	5	44	12	117
06:00		1	10			1	8				
06:15		3	8			1	10				
06:30		5	6			6	5				
06:45		2	10	11	34	12	4	20	27	31	61
07:00		15	5			14	3				
07:15		6	4			16	6				
07:30		**21**	4			**33**	7				
07:45		**18**	4	60	17	**36**	7	99	23	159	40
08:00		**24**	3			**36**	3				
08:15		**10**	2			**26**	8				
08:30		8	6			24	6				
08:45		11	4	53	15	8	3	94	20	147	35
09:00		6	3			19	1				
09:15		13	5			4	4				
09:30		5	2			9	0				
09:45		10	1	34	11	4	1	36	6	70	17
10:00		5	2			2	1				
10:15		10	3			8	2				
10:30		6	2			10	2				
10:45		12	0	33	7	6	2	26	7	59	14
11:00		6	2			12	1				
11:15		10	1			8	0				
11:30		8	1			10	0				
11:45		14	0	38	4	14	1	44	2	82	6
Total		239	400	239	400	332	350	332	350	571	750
Combined Total		639		639		682		682		1321	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	73	-	-	-	131	-	-	-	-	-
P.H.F.		0.760				0.910					
PM Peak	-	-	04:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	75	-	-	-	63	-	-	-	-
P.H.F.			0.852				0.875				
Percentage		37.4%	62.6%			48.7%	51.3%				
ADT/AADT		ADT 1,321		AADT 1,321							

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City of Redlands
Palm Avenue
B/ San Mateo Street - Ford Street
24 Hour Directional Volume Count

RED086
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	33			2	31				
12:15		1	37			0	30				
12:30		2	25			3	27				
12:45		0	27	7	122	2	38	7	126	14	248
01:00		1	31			1	29				
01:15		0	24			1	34				
01:30		0	31			1	31				
01:45		2	46	3	132	0	**56**	3	150	6	282
02:00		2	84			1	**40**				
02:15		1	42			1	**52**				
02:30		0	30			0	**42**				
02:45		3	44	6	200	0	30	2	164	8	364
03:00		3	54			1	42				
03:15		0	72			0	42				
03:30		0	63			0	47				
03:45		1	52	4	241	2	43	3	174	7	415
04:00		2	50			0	30				
04:15		2	68			1	26				
04:30		0	47			1	30				
04:45		1	**72**	5	237	3	54	5	140	10	377
05:00		7	**52**			5	45				
05:15		1	**68**			0	43				
05:30		4	**51**			6	35				
05:45		3	43	15	214	10	28	21	151	36	365
06:00		8	26			10	37				
06:15		9	36			9	38				
06:30		10	30			13	31				
06:45		16	29	43	121	21	38	53	144	96	265
07:00		24	22			36	29				
07:15		26	23			39	26				
07:30		**68**	18			**68**	30				
07:45		**95**	22	213	85	**74**	16	217	101	430	186
08:00		**88**	9			**51**	23				
08:15		**62**	17			**44**	16				
08:30		32	17			43	15				
08:45		30	8	212	51	34	14	172	68	384	119
09:00		24	12			41	12				
09:15		38	11			35	5				
09:30		34	7			44	4				
09:45		32	4	128	34	29	2	149	23	277	57
10:00		26	6			22	6				
10:15		16	7			28	2				
10:30		23	3			35	4				
10:45		24	4	89	20	28	2	113	14	202	34
11:00		27	2			36	3				
11:15		34	4			31	2				
11:30		33	2			38	4				
11:45		37	1	131	9	28	2	133	11	264	20
Total		856	1466	856	1466	878	1266	878	1266	1734	2732
Combined Total		2322		2322		2144		2144		4466	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	313	-	-	-	237	-	-	-	-	-
P.H.F.		0.824				0.801					
PM Peak	-	-	04:45	-	-	-	01:45	-	-	-	-
Vol.	-	-	243	-	-	-	190	-	-	-	-
P.H.F.			0.844				0.848				
Percentage		36.9%	63.1%			41.0%	59.0%				
ADT/AADT		ADT 4,466		AADT 4,466							

Counts Unlimited, Inc

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City of Redlands
Palmetto Avenue
B/ Nevada Street - California Street (WB)
24 Hour Directional Volume Count

RED087
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	22			5	18				
12:15		2	18			4	18				
12:30		0	21			7	18				
12:45		2	15	9	76	0	17	16	71	25	147
01:00		5	18			14	12				
01:15		6	8			2	11				
01:30		1	27			16	14				
01:45		4	36	16	89	7	25	39	62	55	151
02:00		4	**24**			2	**24**				
02:15		2	**32**			3	**32**				
02:30		5	**53**			2	**52**				
02:45		4	**64**	15	173	2	**28**	9	136	24	309
03:00		0	23			2	19				
03:15		8	26			1	18				
03:30		14	24			18	24				
03:45		28	38	50	111	22	10	43	71	93	182
04:00		2	42			15	18				
04:15		8	18			6	11				
04:30		6	32			14	18				
04:45		18	26	34	118	30	16	65	63	99	181
05:00		10	20			8	11				
05:15		9	36			4	8				
05:30		5	22			22	18				
05:45		**24**	16	48	94	**28**	8	62	45	110	139
06:00		**22**	14			**28**	5				
06:15		**18**	18			**8**	8				
06:30		**25**	12			**28**	14				
06:45		24	12	89	56	25	10	89	37	178	93
07:00		18	5			8	16				
07:15		12	8			18	13				
07:30		9	7			20	18				
07:45		13	8	52	28	16	7	62	54	114	82
08:00		13	9			20	15				
08:15		10	12			18	12				
08:30		11	9			14	12				
08:45		17	6	51	36	26	12	78	51	129	87
09:00		17	10			17	6				
09:15		18	17			10	5				
09:30		14	10			16	10				
09:45		9	4	58	41	8	8	51	29	109	70
10:00		18	6			6	4				
10:15		10	6			12	8				
10:30		8	4			16	3				
10:45		14	4	50	20	15	5	49	20	99	40
11:00		14	2			26	7				
11:15		13	6			6	4				
11:30		22	8			6	10				
11:45		15	10	64	26	16	9	54	30	118	56
Total		536	868	536	868	617	669	617	669	1153	1537
Combined Total		1404		1404		1286		1286		2690	
AM Peak	-	05:45	-	-	-	05:45	-	-	-	-	-
Vol.	-	89	-	-	-	92	-	-	-	-	-
P.H.F.		0.890				0.821					
PM Peak	-	-	02:00	-	-	-	02:00	-	-	-	-
Vol.	-	-	173	-	-	-	136	-	-	-	-
P.H.F.			0.676				0.654				
Percentage		38.2%	61.8%			48.0%	52.0%				
ADT/AADT		ADT 2,690		AADT 2,690							

Counts Unlimited, Inc

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City of Redlands
Palmetto Avenue
B/ California Street - Marigold Avenue
24 Hour Directional Volume Count

RED088
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	12			9	10				
12:15		2	11			4	16				
12:30		4	22			2	6				
12:45		0	8	8	53	6	17	21	49	29	102
01:00		2	10			7	13				
01:15		0	14			1	10				
01:30		0	19			5	12				
01:45		1	12	3	55	4	12	17	47	20	102
02:00		3	**16**			6	13				
02:15		2	**22**			4	**20**				
02:30		0	**28**			1	**70**				
02:45		7	**14**	12	80	0	**30**	11	133	23	213
03:00		2	5			1	**16**				
03:15		2	20			1	12				
03:30		12	24			4	24				
03:45		19	12	35	61	15	18	21	70	56	131
04:00		4	22			12	13				
04:15		4	5			1	16				
04:30		4	5			5	12				
04:45		8	5	20	37	18	20	36	61	56	98
05:00		4	15			9	14				
05:15		5	32			2	8				
05:30		**12**	12			**16**	8				
05:45		**26**	8	47	67	**22**	8	49	38	96	105
06:00		**11**	18			**14**	8				
06:15		**8**	13			**6**	6				
06:30		3	13			12	9				
06:45		16	6	38	50	15	5	47	28	85	78
07:00		6	2			10	6				
07:15		12	6			8	6				
07:30		10	4			6	13				
07:45		18	4	46	16	14	3	38	28	84	44
08:00		8	8			6	15				
08:15		4	2			9	3				
08:30		8	1			10	2				
08:45		15	0	35	11	14	4	39	24	74	35
09:00		12	0			19	6				
09:15		10	0			14	5				
09:30		8	2			6	7				
09:45		6	3	36	5	6	4	45	22	81	27
10:00		6	4			4	1				
10:15		10	2			10	4				
10:30		4	4			9	2				
10:45		4	1	24	11	12	1	35	8	59	19
11:00		8	2			8	3				
11:15		6	2			9	2				
11:30		6	1			14	6				
11:45		6	5	26	10	12	7	43	18	69	28
Total		330	456	330	456	402	526	402	526	732	982
Combined Total		786		786		928		928		1714	
AM Peak	-	05:30	-	-	-	05:30	-	-	-	-	-
Vol.	-	57	-	-	-	58	-	-	-	-	-
P.H.F.		0.548				0.659					
PM Peak	-	-	02:00	-	-	-	02:15	-	-	-	-
Vol.	-	-	80	-	-	-	136	-	-	-	-
P.H.F.			0.714				0.486				
Percentage		42.0%	58.0%			43.3%	56.7%				
ADT/AADT		ADT 1,714		AADT 1,714							

Counts Unlimited, Inc

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City of Redlands
Palo Alto Drive
B/ Country Club Drive - Mirasol Drive
24 Hour Directional Volume Count

RED089
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	16			0	8				
12:15		0	10			0	6				
12:30		0	6			0	7				
12:45		1	8	1	40	0	9	0	30	1	70
01:00		1	10			1	12				
01:15		0	3			1	10				
01:30		0	17			0	4				
01:45		2	20	3	50	0	**10**	2	36	5	86
02:00		0	28			0	**17**				
02:15		0	12			0	**38**				
02:30		0	14			0	**18**				
02:45		0	6	0	60	0	9	0	82	0	142
03:00		0	14			0	12				
03:15		0	21			0	12				
03:30		0	16			1	11				
03:45		0	14	0	65	0	11	1	46	1	111
04:00		0	14			0	6				
04:15		0	22			0	6				
04:30		1	15			1	11				
04:45		2	19	3	70	2	7	3	30	6	100
05:00		0	**23**			0	8				
05:15		0	**19**			0	8				
05:30		2	**25**			1	4				
05:45		0	**20**	2	87	2	9	3	29	5	116
06:00		0	15			0	6				
06:15		1	21			4	3				
06:30		6	15			8	8				
06:45		0	12	7	63	5	5	17	22	24	85
07:00		2	9			9	9				
07:15		**10**	9			**25**	6				
07:30		**21**	6			**36**	6				
07:45		**30**	6	63	30	**52**	3	122	24	185	54
08:00		**10**	4			**36**	4				
08:15		3	3			13	0				
08:30		8	4			16	3				
08:45		7	4	28	15	20	0	85	7	113	22
09:00		8	2			11	2				
09:15		7	4			7	0				
09:30		8	1			6	1				
09:45		8	1	31	8	8	0	32	3	63	11
10:00		8	3			10	2				
10:15		10	0			13	0				
10:30		5	0			10	0				
10:45		4	0	27	3	10	1	43	3	70	6
11:00		11	0			13	1				
11:15		12	0			8	0				
11:30		8	0			5	0				
11:45		3	0	34	0	11	2	37	3	71	3
Total		199	491	199	491	345	315	345	315	544	806
Combined Total		690		690		660		660		1350	
AM Peak	-	07:15	-	-	-	07:15	-	-	-	-	-
Vol.	-	71	-	-	-	149	-	-	-	-	-
P.H.F.		0.592				0.716					
PM Peak	-	-	05:00	-	-	-	01:45	-	-	-	-
Vol.	-	-	87	-	-	-	83	-	-	-	-
P.H.F.			0.870				0.546				
Percentage		28.8%	71.2%			52.3%	47.7%				
ADT/AADT		ADT 1,350		AADT 1,350							

Counts Unlimited, Inc

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City of Redlands
Palo Alto Drive
B/ Mirasol Drive - Sunset Drive
24 Hour Directional Volume Count

RED090
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	8			0	6				
12:15		0	8			0	4				
12:30		0	2			0	5				
12:45		0	1	0	19	0	7	0	22	0	41
01:00		0	7			0	9				
01:15		1	5			0	8				
01:30		0	**16**			0	**12**				
01:45		0	**14**	1	42	0	**10**	0	39	1	81
02:00		0	**31**			0	**6**				
02:15		0	**35**			0	**16**				
02:30		0	8			0	6				
02:45		0	9	0	83	0	3	0	31	0	114
03:00		0	16			0	8				
03:15		0	14			0	10				
03:30		0	20			1	10				
03:45		0	6	0	56	0	6	1	34	1	90
04:00		0	10			0	5				
04:15		0	20			0	6				
04:30		0	14			1	6				
04:45		2	11	2	55	0	5	1	22	3	77
05:00		0	20			0	12				
05:15		0	13			0	4				
05:30		1	22			1	6				
05:45		0	14	1	69	1	8	2	30	3	99
06:00		0	16			0	5				
06:15		0	14			2	5				
06:30		4	12			6	5				
06:45		3	9	7	51	3	2	11	17	18	68
07:00		2	12			10	3				
07:15		**5**	9			**30**	3				
07:30		**9**	4			**49**	8				
07:45		**16**	2	32	27	**78**	2	167	16	199	43
08:00		**28**	4			**39**	2				
08:15		4	8			6	1				
08:30		5	4			9	1				
08:45		4	2	41	18	14	0	68	4	109	22
09:00		6	2			10	0				
09:15		5	1			4	0				
09:30		7	3			6	0				
09:45		6	1	24	7	3	0	23	0	47	7
10:00		7	0			9	1				
10:15		18	0			8	0				
10:30		2	0			4	0				
10:45		4	0	31	0	6	0	27	1	58	1
11:00		8	0			4	1				
11:15		8	0			4	0				
11:30		4	1			9	0				
11:45		6	0	26	1	12	2	29	3	55	4
Total		165	428	165	428	329	219	329	219	494	647
Combined Total		593		593		548		548		1141	
AM Peak	-	07:15	-	-	-	07:15	-	-	-	-	-
Vol.	-	58	-	-	-	196	-	-	-	-	-
P.H.F.		0.518				0.628					
PM Peak	-	-	01:30	-	-	-	01:30	-	-	-	-
Vol.	-	-	96	-	-	-	44	-	-	-	-
P.H.F.			0.686				0.688				
Percentage		27.8%	72.2%			60.0%	40.0%				
ADT/AADT		ADT 1,141		AADT 1,141							

Counts Unlimited, Inc

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City of Redlands
Pennsylvania Avenue
B/ Texas Street - Orange Street
24 Hour Directional Volume Count

RED091
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	14			4	14				
12:15		1	16			1	12				
12:30		2	13			1	13				
12:45		2	16	8	59	0	12	6	51	14	110
01:00		0	14			1	12				
01:15		1	14			2	18				
01:30		0	28			1	14				
01:45		1	34	2	90	2	13	6	57	8	147
02:00		1	26			0	32				
02:15		0	29			0	40				
02:30		1	16			0	24				
02:45		1	24	3	95	0	25	0	121	3	216
03:00		0	25			0	22				
03:15		1	41			2	17				
03:30		1	54			1	**48**				
03:45		0	36	2	156	4	**42**	7	129	9	285
04:00		1	31			1	**16**				
04:15		0	40			5	**29**				
04:30		0	37			9	24				
04:45		1	31	2	139	5	32	20	101	22	240
05:00		2	36			5	28				
05:15		0	**60**			3	26				
05:30		3	**56**			8	31				
05:45		4	**40**	9	192	5	36	21	121	30	313
06:00		6	**41**			6	35				
06:15		4	37			4	30				
06:30		4	34			14	15				
06:45		6	20	20	132	18	25	42	105	62	237
07:00		12	26			18	20				
07:15		17	36			27	26				
07:30		**34**	18			**40**	14				
07:45		**32**	22	95	102	**48**	20	133	80	228	182
08:00		**26**	18			**47**	18				
08:15		**31**	21			**51**	16				
08:30		34	15			36	13				
08:45		9	12	100	66	20	4	154	51	254	117
09:00		12	12			13	5				
09:15		10	8			16	12				
09:30		16	9			14	4				
09:45		8	6	46	35	24	10	67	31	113	66
10:00		15	6			12	7				
10:15		12	10			10	5				
10:30		15	1			18	4				
10:45		8	6	50	23	8	3	48	19	98	42
11:00		10	6			11	6				
11:15		12	6			22	1				
11:30		11	4			14	3				
11:45		20	4	53	20	16	2	63	12	116	32
Total		390	1109	390	1109	567	878	567	878	957	1987
Combined Total		1499		1499		1445		1445		2944	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	123	-	-	-	186	-	-	-	-	-
P.H.F.		0.904				0.912					
PM Peak	-	-	05:15	-	-	-	03:30	-	-	-	-
Vol.	-	-	197	-	-	-	135	-	-	-	-
P.H.F.			0.821				0.703				
Percentage		26.0%	74.0%			39.2%	60.8%				
ADT/AADT		ADT 2,944		AADT 2,944							

Counts Unlimited, Inc

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City of Redlands
Pennsylvania Avenue
B/ Orange Street - Church Street
24 Hour Directional Volume Count

RED092
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	18			1	20				
12:15		1	8			0	17				
12:30		3	13			0	12				
12:45		1	14	5	53	0	10	1	59	6	112
01:00		0	10			0	13				
01:15		2	11			0	15				
01:30		1	20			0	16				
01:45		0	22	3	63	0	28	0	72	3	135
02:00		1	48			0	27				
02:15		0	29			0	36				
02:30		0	13			1	25				
02:45		0	22	1	112	0	30	1	118	2	230
03:00		0	10			0	**40**				
03:15		1	62			0	**88**				
03:30		0	115			0	**174**				
03:45		0	54	1	241	0	**48**	0	350	1	591
04:00		0	44			0	21				
04:15		1	42			6	26				
04:30		1	38			2	20				
04:45		2	52	4	176	4	48	12	115	16	291
05:00		0	**68**			2	52				
05:15		1	**73**			3	16				
05:30		4	**78**			3	26				
05:45		6	**58**	11	277	0	34	8	128	19	405
06:00		1	46			5	36				
06:15		3	32			3	24				
06:30		4	25			12	16				
06:45		9	18	17	121	8	26	28	102	45	223
07:00		6	22			14	17				
07:15		14	20			44	24				
07:30		42	21			99	8				
07:45		**50**	12	112	75	**129**	13	286	62	398	137
08:00		**47**	17			**157**	32				
08:15		**54**	14			**180**	29				
08:30		**89**	14			**238**	14				
08:45		28	9	218	54	37	6	612	81	830	135
09:00		9	12			12	10				
09:15		9	4			20	12				
09:30		12	4			25	8				
09:45		12	4	42	24	16	4	73	34	115	58
10:00		9	3			11	7				
10:15		14	4			16	2				
10:30		16	4			16	0				
10:45		14	3	53	14	10	3	53	12	106	26
11:00		10	0			10	1				
11:15		11	3			12	1				
11:30		16	2			12	1				
11:45		16	2	53	7	15	4	49	7	102	14
Total		520	1217	520	1217	1123	1140	1123	1140	1643	2357
Combined Total		1737		1737		2263		2263		4000	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	240	-	-	-	704	-	-	-	-	-
P.H.F.		0.674				0.739					
PM Peak	-	-	05:00	-	-	-	03:00	-	-	-	-
Vol.	-	-	277	-	-	-	350	-	-	-	-
P.H.F.			0.602				0.503				
Percentage		29.9%	70.1%			49.6%	50.4%				
ADT/AADT		ADT 4,000		AADT 4,000							

Counts Unlimited, Inc

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City of Redlands
Pennsylvania Avenue
B/ Church Street - University Street
24 Hour Directional Volume Count

RED093
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	12			0	12				
12:15		4	10			1	8				
12:30		1	8			0	6				
12:45		2	12	7	42	0	4	1	30	8	72
01:00		0	10			1	9				
01:15		0	15			1	4				
01:30		1	14			0	11				
01:45		1	18	2	57	0	7	2	31	4	88
02:00		0	14			0	15				
02:15		1	16			0	22				
02:30		0	13			0	16				
02:45		0	16	1	59	0	13	0	66	1	125
03:00		0	6			0	**15**				
03:15		1	**28**			0	**36**				
03:30		0	**70**			2	**39**				
03:45		0	**34**	1	138	0	**19**	2	109	3	247
04:00		1	**25**			0	11				
04:15		1	20			5	17				
04:30		1	30			2	13				
04:45		1	34	4	109	3	19	10	60	14	169
05:00		0	30			3	12				
05:15		0	50			5	16				
05:30		1	29			2	13				
05:45		4	32	5	141	4	14	14	55	19	196
06:00		0	30			4	16				
06:15		2	22			3	10				
06:30		3	16			9	5				
06:45		6	10	11	78	7	16	23	47	34	125
07:00		4	13			7	6				
07:15		9	14			16	12				
07:30		24	13			30	4				
07:45		14	9	51	49	**18**	8	71	30	122	79
08:00		**22**	15			**39**	4				
08:15		**31**	21			**47**	9				
08:30		**30**	10			**50**	4				
08:45		**18**	7	101	53	10	3	146	20	247	73
09:00		4	8			8	3				
09:15		6	9			9	5				
09:30		11	6			12	2				
09:45		10	3	31	26	9	4	38	14	69	40
10:00		8	0			7	6				
10:15		10	4			10	1				
10:30		6	0			8	2				
10:45		11	0	35	4	9	2	34	11	69	15
11:00		7	1			7	1				
11:15		3	1			7	0				
11:30		8	3			9	1				
11:45		12	3	30	8	11	2	34	4	64	12
Total		279	764	279	764	375	477	375	477	654	1241
Combined Total		1043		1043		852		852		1895	
AM Peak	-	08:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	101	-	-	-	154	-	-	-	-	-
P.H.F.		0.815				0.770					
PM Peak	-	-	03:15	-	-	-	03:00	-	-	-	-
Vol.	-	-	157	-	-	-	109	-	-	-	-
P.H.F.			0.561				0.699				
Percentage		26.7%	73.3%			44.0%	56.0%				
ADT/AADT		ADT 1,895		AADT 1,895							

Counts Unlimited, Inc

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City of Redlands
Pennsylvania Avenue
B/ University Street - Judson Street
24 Hour Directional Volume Count

RED094
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	10			0	9				
12:15		2	10			0	9				
12:30		0	7			1	8				
12:45		2	9	4	36	0	10	1	36	5	72
01:00		0	7			0	7				
01:15		0	15			0	11				
01:30		0	12			0	3				
01:45		0	19	0	53	0	3	0	24	0	77
02:00		0	23			0	16				
02:15		1	14			0	23				
02:30		0	5			0	18				
02:45		0	12	1	54	0	10	0	67	1	121
03:00		0	10			0	11				
03:15		0	**26**			0	**34**				
03:30		1	**54**			0	**30**				
03:45		1	**31**	2	121	0	**19**	0	94	2	215
04:00		0	**14**			0	**13**				
04:15		0	17			4	16				
04:30		1	23			0	12				
04:45		1	29	2	83	2	17	6	58	8	141
05:00		1	24			2	4				
05:15		1	38			5	12				
05:30		4	24			2	11				
05:45		1	28	7	114	0	10	9	37	16	151
06:00		2	14			4	15				
06:15		1	14			2	10				
06:30		6	12			12	8				
06:45		4	10	13	50	3	12	21	45	34	95
07:00		4	10			8	4				
07:15		9	9			12	9				
07:30		**32**	10			26	2				
07:45		**22**	6	67	35	**23**	6	69	21	136	56
08:00		**19**	10			**39**	4				
08:15		**25**	16			**40**	8				
08:30		28	5			**36**	6				
08:45		15	3	87	34	7	2	122	20	209	54
09:00		5	9			7	6				
09:15		2	6			13	3				
09:30		7	4			10	3				
09:45		12	3	26	22	4	4	34	16	60	38
10:00		9	0			8	3				
10:15		10	0			6	1				
10:30		10	0			8	3				
10:45		4	0	33	0	10	2	32	9	65	9
11:00		6	0			6	1				
11:15		2	1			6	0				
11:30		6	1			8	0				
11:45		10	0	24	2	8	0	28	1	52	3
Total		266	604	266	604	322	428	322	428	588	1032
Combined Total		870		870		750		750		1620	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	98	-	-	-	138	-	-	-	-	-
P.H.F.		0.766				0.863					
PM Peak	-	-	03:15	-	-	-	03:15	-	-	-	-
Vol.	-	-	125	-	-	-	96	-	-	-	-
P.H.F.			0.579				0.706				
Percentage		30.6%	69.4%			42.9%	57.1%				
ADT/AADT		ADT 1,620		AADT 1,620							

Counts Unlimited, Inc

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City of Redlands
Pioneer Avenue
B/ Texas Street - Orange Street
24 Hour Directional Volume Count

RED095
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		7	32			0	34				
12:15		4	30			0	25				
12:30		3	24			2	31				
12:45		4	50	18	136	3	28	5	118	23	254
01:00		13	29			0	34				
01:15		2	26			2	25				
01:30		1	38			1	24				
01:45		2	36	18	129	0	26	3	109	21	238
02:00		3	29			3	46				
02:15		1	104			1	54				
02:30		1	62			1	48				
02:45		1	54	6	249	1	**42**	6	190	12	439
03:00		1	50			3	**83**				
03:15		0	108			8	**124**				
03:30		1	122			5	**98**				
03:45		3	100	5	380	11	42	27	347	32	727
04:00		0	100			4	32				
04:15		1	118			4	48				
04:30		1	113			10	36				
04:45		4	**132**	6	463	19	39	37	155	43	618
05:00		6	**102**			4	32				
05:15		4	**161**			7	52				
05:30		5	**184**			24	94				
05:45		9	120	24	567	31	65	66	243	90	810
06:00		6	114			19	60				
06:15		6	106			30	60				
06:30		10	78			44	43				
06:45		7	49	29	347	42	40	135	203	164	550
07:00		28	90			47	42				
07:15		27	56			66	28				
07:30		46	52			**102**	26				
07:45		**68**	28	169	226	**141**	34	356	130	525	356
08:00		**94**	36			**142**	38				
08:15		**120**	30			**120**	28				
08:30		**88**	32			68	21				
08:45		25	20	327	118	47	16	377	103	704	221
09:00		18	16			28	10				
09:15		26	19			34	12				
09:30		24	14			30	11				
09:45		28	10	96	59	26	11	118	44	214	103
10:00		18	12			28	10				
10:15		20	10			25	6				
10:30		22	6			20	6				
10:45		18	4	78	32	36	6	109	28	187	60
11:00		18	4			17	1				
11:15		29	3			34	4				
11:30		16	12			21	2				
11:45		26	3	89	22	26	3	98	10	187	32
Total		865	2728	865	2728	1337	1680	1337	1680	2202	4408
Combined Total		3593		3593		3017		3017		6610	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	370	-	-	-	505	-	-	-	-	-
P.H.F.		0.771				0.889					
PM Peak	-	-	04:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	579	-	-	-	347	-	-	-	-
P.H.F.			0.787				0.700				
Percentage		24.1%	75.9%			44.3%	55.7%				
ADT/AADT		ADT 6,610		AADT 6,610							

Counts Unlimited, Inc

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City of Redlands
Pioneer Avenue
B/ Orange Street - Occidental Drive
24 Hour Directional Volume Count

RED096
Site Code: 105-24810

Start Time	10/2/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	27			1	28				
12:15		2	24			3	26				
12:30		3	21			2	26				
12:45		6	25	15	97	1	27	7	107	22	204
01:00		5	36			2	30				
01:15		1	36			0	19				
01:30		2	34			1	28				
01:45		3	43	11	149	1	36	4	113	15	262
02:00		0	32			0	55				
02:15		1	53			0	50				
02:30		1	50			2	33				
02:45		3	56	5	191	2	35	4	173	9	364
03:00		5	48			2	30				
03:15		2	66			2	**46**				
03:30		0	64			5	**67**				
03:45		1	62	8	240	8	**56**	17	199	25	439
04:00		1	60			3	**42**				
04:15		3	92			6	40				
04:30		4	89			9	40				
04:45		5	**98**	13	339	14	56	32	178	45	517
05:00		5	**92**			12	48				
05:15		6	**126**			10	36				
05:30		16	**91**			16	50				
05:45		17	90	44	399	17	46	55	180	99	579
06:00		14	83			14	49				
06:15		19	61			32	28				
06:30		22	56			31	36				
06:45		22	56	77	256	34	26	111	139	188	395
07:00		27	46			45	35				
07:15		26	26			**54**	23				
07:30		**45**	28			**90**	21				
07:45		**46**	36	144	136	**76**	23	265	102	409	238
08:00		**47**	24			**56**	34				
08:15		**44**	22			46	38				
08:30		36	21			62	18				
08:45		26	11	153	78	46	13	210	103	363	181
09:00		24	22			40	20				
09:15		27	23			24	11				
09:30		25	15			30	20				
09:45		23	10	99	70	24	17	118	68	217	138
10:00		28	8			26	11				
10:15		20	5			26	5				
10:30		25	10			28	6				
10:45		28	9	101	32	28	5	108	27	209	59
11:00		28	9			28	2				
11:15		20	4			14	2				
11:30		18	9			28	8				
11:45		32	6	98	28	18	4	88	16	186	44
Total		768	2015	768	2015	1019	1405	1019	1405	1787	3420
Combined Total		2783		2783		2424		2424		5207	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	182	-	-	-	276	-	-	-	-	-
P.H.F.		0.968				0.767					
PM Peak	-	-	04:45	-	-	-	03:15	-	-	-	-
Vol.	-	-	407	-	-	-	211	-	-	-	-
P.H.F.			0.808				0.787				
Percentage		27.6%	72.4%			42.0%	58.0%				
ADT/AADT		ADT 5,207		AADT 5,207							

Counts Unlimited, Inc

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City of Redlands
Pioneer Avenue
B/ Occidental Drive - Dearborn Street
24 Hour Directional Volume Count

RED097
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	16			2	16				
12:15		2	20			1	24				
12:30		1	17			0	9				
12:45		0	16	3	69	1	19	4	68	7	137
01:00		1	19			3	10				
01:15		2	22			1	12				
01:30		3	20			0	16				
01:45		1	28	7	89	0	12	4	50	11	139
02:00		1	30			0	32				
02:15		1	34			0	38				
02:30		0	24			1	18				
02:45		0	27	2	115	2	17	3	105	5	220
03:00		1	36			2	24				
03:15		1	63			1	16				
03:30		2	46			1	72				
03:45		1	37	5	182	1	39	5	151	10	333
04:00		0	59			0	26				
04:15		3	80			2	28				
04:30		2	60			0	31				
04:45		6	70	11	269	1	28	3	113	14	382
05:00		2	**72**			5	36				
05:15		5	**89**			5	24				
05:30		8	**136**			8	56				
05:45		9	**89**	24	386	8	46	26	162	50	548
06:00		6	62			12	38				
06:15		17	56			8	**34**				
06:30		30	54			20	**47**				
06:45		38	41	91	213	18	**80**	58	199	149	412
07:00		15	26			23	**48**				
07:15		**28**	21			25	20				
07:30		**40**	10			**46**	15				
07:45		**58**	19	141	76	**38**	20	132	103	273	179
08:00		**30**	10			**38**	43				
08:15		24	6			**30**	25				
08:30		24	12			30	12				
08:45		20	8	98	36	14	10	112	90	210	126
09:00		15	7			18	9				
09:15		20	6			17	3				
09:30		20	6			15	5				
09:45		20	7	75	26	22	3	72	20	147	46
10:00		12	2			6	6				
10:15		16	3			17	3				
10:30		12	3			14	4				
10:45		11	5	51	13	14	2	51	15	102	28
11:00		12	2			16	2				
11:15		18	2			8	1				
11:30		13	3			11	4				
11:45		13	2	56	9	15	3	50	10	106	19
Total		564	1483	564	1483	520	1086	520	1086	1084	2569
Combined Total		2047		2047		1606		1606		3653	
AM Peak	-	07:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	156	-	-	-	152	-	-	-	-	-
P.H.F.		0.672				0.826					
PM Peak	-	-	05:00	-	-	-	06:15	-	-	-	-
Vol.	-	-	386	-	-	-	209	-	-	-	-
P.H.F.			0.710				0.653				
Percentage		27.6%	72.4%			32.4%	67.6%				
ADT/AADT		ADT 3,653		AADT 3,653							

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City of Redlands
Pioneer Avenue
B/ Texas Street - Interstate 210
24 Hour Directional Volume Count

RED098
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	31			3	13				
12:15		8	25			9	34				
12:30		3	39			0	32				
12:45		9	33	23	128	6	28	18	107	41	235
01:00		12	15			0	23				
01:15		0	31			1	23				
01:30		3	35			3	22				
01:45		1	35	16	116	3	29	7	97	23	213
02:00		2	28			1	44				
02:15		5	98			0	52				
02:30		1	54			3	50				
02:45		2	49	10	229	1	41	5	187	15	416
03:00		2	19			2	63				
03:15		0	63			7	**137**				
03:30		1	79			10	**133**				
03:45		3	67	6	228	14	**84**	33	417	39	645
04:00		3	91			8	**66**				
04:15		3	92			7	57				
04:30		5	95			10	62				
04:45		8	103	19	381	24	65	49	250	68	631
05:00		6	137			9	43				
05:15		3	**133**			12	52				
05:30		12	**192**			29	44				
05:45		20	**234**	41	696	48	65	98	204	139	900
06:00		12	**226**			17	48				
06:15		5	106			24	53				
06:30		18	167			37	46				
06:45		20	114	55	613	49	30	127	177	182	790
07:00		12	112			43	45				
07:15		24	55			106	26				
07:30		36	33			**132**	30				
07:45		**59**	26	131	226	**137**	20	418	121	549	347
08:00		**76**	40			**162**	33				
08:15		**92**	36			**193**	26				
08:30		**54**	45			90	16				
08:45		25	17	247	138	37	14	482	89	729	227
09:00		31	19			31	8				
09:15		29	20			40	34				
09:30		27	11			34	6				
09:45		18	9	105	59	29	13	134	61	239	120
10:00		17	12			15	13				
10:15		24	6			15	4				
10:30		22	6			26	3				
10:45		15	4	78	28	24	2	80	22	158	50
11:00		22	3			14	1				
11:15		29	3			13	5				
11:30		33	4			24	7				
11:45		42	6	126	16	20	1	71	14	197	30
Total		857	2858	857	2858	1522	1746	1522	1746	2379	4604
Combined Total		3715		3715		3268		3268		6983	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	281	-	-	-	624	-	-	-	-	-
P.H.F.		0.764				0.808					
PM Peak	-	-	05:15	-	-	-	03:15	-	-	-	-
Vol.	-	-	785	-	-	-	420	-	-	-	-
P.H.F.			0.839				0.766				
Percentage		23.1%	76.9%			46.6%	53.4%				
ADT/AADT		ADT 6,983		AADT 6,983							

Counts Unlimited, Inc

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City of Redlands
Redlands Boulevard
B/ California Street - Texas Street
24 Hour Directional Volume Count

RED099
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		6	74			6	70				
12:15		1	78			6	70				
12:30		4	56			6	60				
12:45		4	62	15	270	8	52	26	252	41	522
01:00		6	74			8	56				
01:15		4	78			1	56				
01:30		5	84			2	63				
01:45		5	68	20	304	2	60	13	235	33	539
02:00		3	64			3	67				
02:15		4	58			2	53				
02:30		4	69			2	44				
02:45		2	80	13	271	2	**66**	9	230	22	501
03:00		4	84			3	**51**				
03:15		2	72			1	**66**				
03:30		5	86			0	**86**				
03:45		1	80	12	322	9	60	13	263	25	585
04:00		5	102			7	56				
04:15		2	108			4	58				
04:30		4	110			10	57				
04:45		1	**114**	12	434	10	48	31	219	43	653
05:00		4	**114**			8	68				
05:15		4	**124**			7	46				
05:30		4	**140**			8	45				
05:45		7	94	19	472	18	51	41	210	60	682
06:00		19	112			15	36				
06:15		14	114			26	30				
06:30		17	92			30	46				
06:45		22	63	72	381	21	34	92	146	164	527
07:00		16	37			29	40				
07:15		16	26			44	25				
07:30		16	32			50	25				
07:45		32	26	80	121	46	30	169	120	249	241
08:00		52	32			**59**	15				
08:15		49	20			**67**	18				
08:30		44	29			**79**	22				
08:45		44	28	189	109	**52**	15	257	70	446	179
09:00		54	26			42	12				
09:15		38	14			43	20				
09:30		52	16			56	24				
09:45		56	12	200	68	70	16	211	72	411	140
10:00		59	8			50	14				
10:15		56	10			56	5				
10:30		57	6			64	8				
10:45		**57**	8	229	32	48	10	218	37	447	69
11:00		**57**	8			68	8				
11:15		**70**	8			72	8				
11:30		**63**	6			62	3				
11:45		46	8	236	30	52	4	254	23	490	53
Total		1097	2814	1097	2814	1334	1877	1334	1877	2431	4691
Combined Total		3911		3911		3211		3211		7122	
AM Peak	-	10:45	-	-	-	08:00	-	-	-	-	-
Vol.	-	247	-	-	-	257	-	-	-	-	-
P.H.F.		0.882				0.813					
PM Peak	-	-	04:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	492	-	-	-	269	-	-	-	-
P.H.F.			0.879				0.782				
Percentage		28.0%	72.0%			41.5%	58.5%				
ADT/AADT		ADT 7,122		AADT 7,122							

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City of Redlands
Redlands Boulevard
B/ Texas Street - Eureka Street
24 Hour Directional Volume Count

RED100
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		11	133			6	106				
12:15		3	135			10	121				
12:30		10	117			14	105				
12:45		9	130	33	515	11	107	41	439	74	954
01:00		6	117			3	106				
01:15		4	127			5	103				
01:30		16	107			11	95				
01:45		5	127	31	478	2	102	21	406	52	884
02:00		6	118			6	101				
02:15		4	108			6	113				
02:30		5	117			2	111				
02:45		3	147	18	490	4	**123**	18	448	36	938
03:00		3	174			3	**93**				
03:15		2	183			0	**110**				
03:30		9	185			1	**124**				
03:45		1	186	15	728	8	114	12	441	27	1169
04:00		6	217			4	81				
04:15		6	201			5	91				
04:30		3	221			8	87				
04:45		5	**238**	20	877	17	100	34	359	54	1236
05:00		4	**264**			7	88				
05:15		9	**266**			17	76				
05:30		7	**237**			12	75				
05:45		18	192	38	959	29	68	65	307	103	1266
06:00		24	220			22	56				
06:15		18	189			24	51				
06:30		29	169			39	65				
06:45		38	116	109	694	55	57	140	229	249	923
07:00		55	92			79	57				
07:15		40	63			97	44				
07:30		65	71			122	38				
07:45		70	45	230	271	**167**	48	465	187	695	458
08:00		120	45			**177**	45				
08:15		111	41			**184**	37				
08:30		77	47			**155**	34				
08:45		75	40	383	173	116	23	632	139	1015	312
09:00		99	26			119	24				
09:15		76	29			79	36				
09:30		80	28			110	39				
09:45		109	21	364	104	100	22	408	121	772	225
10:00		83	13			87	24				
10:15		85	13			98	14				
10:30		87	13			71	22				
10:45		101	7	356	46	79	10	335	70	691	116
11:00		**100**	7			97	10				
11:15		**127**	17			89	7				
11:30		**132**	9			83	21				
11:45		**113**	8	472	41	93	16	362	54	834	95
Total		2069	5376	2069	5376	2533	3200	2533	3200	4602	8576
Combined Total		7445		7445		5733		5733		13178	
AM Peak	-	11:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	472	-	-	-	683	-	-	-	-	-
P.H.F.		0.894				0.928					
PM Peak	-	-	04:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	1005	-	-	-	450	-	-	-	-
P.H.F.			0.945				0.907				
Percentage		27.8%	72.2%			44.2%	55.8%				
ADT/AADT		ADT 13,178		AADT 13,178							

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City of Redlands
Redlands Boulevard
B/ Eureka Street - Citrus Avenue
24 Hour Directional Volume Count

RED101
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		10	123			14	145				
12:15		10	137			11	142				
12:30		11	128			18	113				
12:45		8	123	39	511	16	155	59	555	98	1066
01:00		15	123			4	151				
01:15		8	122			5	136				
01:30		6	122			7	120				
01:45		7	112	36	479	2	126	18	533	54	1012
02:00		4	134			10	129				
02:15		5	107			4	141				
02:30		7	133			2	165				
02:45		3	134	19	508	4	150	20	585	39	1093
03:00		8	195			6	**139**				
03:15		2	200			2	**169**				
03:30		8	187			5	**192**				
03:45		4	177	22	759	14	**158**	27	658	49	1417
04:00		4	189			8	133				
04:15		8	164			6	122				
04:30		6	**223**			13	129				
04:45		2	**199**	20	775	19	156	46	540	66	1315
05:00		5	**245**			20	122				
05:15		10	**247**			23	129				
05:30		11	219			28	101				
05:45		25	192	51	903	40	103	111	455	162	1358
06:00		18	199			35	100				
06:15		18	176			39	89				
06:30		28	151			49	93				
06:45		35	121	99	647	63	76	186	358	285	1005
07:00		36	120			101	89				
07:15		54	104			107	84				
07:30		72	77			142	79				
07:45		68	56	230	357	**208**	75	558	327	788	684
08:00		119	62			**189**	61				
08:15		132	49			**244**	69				
08:30		92	50			**207**	68				
08:45		75	50	418	211	133	55	773	253	1191	464
09:00		90	44			156	46				
09:15		85	37			147	60				
09:30		101	40			130	56				
09:45		101	32	377	153	135	42	568	204	945	357
10:00		101	22			116	45				
10:15		112	34			133	30				
10:30		83	17			113	19				
10:45		**104**	15	400	88	110	16	472	110	872	198
11:00		**85**	20			143	22				
11:15		**136**	19			132	17				
11:30		**126**	22			142	26				
11:45		98	15	445	76	156	16	573	81	1018	157
Total		2156	5467	2156	5467	3411	4659	3411	4659	5567	10126
Combined Total		7623		7623		8070		8070		15693	
AM Peak	-	10:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	451	-	-	-	848	-	-	-	-	-
P.H.F.		0.829				0.869					
PM Peak	-	-	04:30	-	-	-	03:00	-	-	-	-
Vol.	-	-	914	-	-	-	658	-	-	-	-
P.H.F.			0.925				0.857				
Percentage		28.3%	71.7%			42.3%	57.7%				
ADT/AADT		ADT 15,693		AADT 15,693							

Counts Unlimited, Inc

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City of Redlands
Redlands Boulevard
B/ Citrus Avenue - Highland Avenue
24 Hour Directional Volume Count

RED102
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		4	108			6	108				
12:15		6	122			5	87				
12:30		3	121			6	77				
12:45		4	100	17	451	3	86	20	358	37	809
01:00		4	94			1	82				
01:15		7	114			4	94				
01:30		1	104			1	94				
01:45		4	111	16	423	2	74	8	344	24	767
02:00		2	118			4	93				
02:15		0	122			3	107				
02:30		2	124			2	91				
02:45		3	125	7	489	3	**92**	12	383	19	872
03:00		3	147			3	**93**				
03:15		4	187			3	**96**				
03:30		1	169			4	**106**				
03:45		2	192	10	695	6	75	16	370	26	1065
04:00		0	163			9	91				
04:15		1	166			6	66				
04:30		2	**200**			11	83				
04:45		8	**216**	11	745	13	86	39	326	50	1071
05:00		10	**236**			11	77				
05:15		8	**236**			8	80				
05:30		10	196			16	63				
05:45		18	208	46	876	29	98	64	318	110	1194
06:00		24	200			22	62				
06:15		19	184			42	64				
06:30		18	158			40	70				
06:45		14	138	75	680	79	62	183	258	258	938
07:00		49	104			90	66				
07:15		35	102			149	47				
07:30		44	84			**209**	69				
07:45		63	79	191	369	**256**	39	704	221	895	590
08:00		75	70			**231**	46				
08:15		63	70			**226**	33				
08:30		92	48			153	28				
08:45		45	47	275	235	149	34	759	141	1034	376
09:00		71	51			153	36				
09:15		65	33			145	26				
09:30		78	39			104	30				
09:45		74	22	288	145	90	18	492	110	780	255
10:00		71	24			83	13				
10:15		70	16			90	10				
10:30		**92**	17			66	10				
10:45		**114**	12	347	69	89	9	328	42	675	111
11:00		**96**	10			79	6				
11:15		**90**	9			86	3				
11:30		92	6			74	7				
11:45		110	9	388	34	86	7	325	23	713	57
Total		1671	5211	1671	5211	2950	2894	2950	2894	4621	8105
Combined Total		6882		6882		5844		5844		12726	
AM Peak	-	10:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	392	-	-	-	922	-	-	-	-	-
P.H.F.		0.860				0.900					
PM Peak	-	-	04:30	-	-	-	02:45	-	-	-	-
Vol.	-	-	888	-	-	-	387	-	-	-	-
P.H.F.			0.941				0.904				
Percentage		24.3%	75.7%			50.5%	49.5%				
ADT/AADT		ADT 12,726		AADT 12,726							

Counts Unlimited, Inc

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City of Redlands
Redlands Boulevard
B/ Highland Avenue - Ford Street
24 Hour Directional Volume Count

RED103
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		12	107			9	95				
12:15		11	112			2	71				
12:30		5	110			3	78				
12:45		4	95	32	424	2	81	16	325	48	749
01:00		4	115			2	82				
01:15		10	116			4	102				
01:30		7	104			1	82				
01:45		3	109	24	444	6	76	13	342	37	786
02:00		2	137			3	70				
02:15		2	134			1	**100**				
02:30		2	137			0	**91**				
02:45		2	125	8	533	4	**104**	8	365	16	898
03:00		4	189			3	**93**				
03:15		2	173			3	85				
03:30		5	204			4	85				
03:45		3	206	14	772	6	93	16	356	30	1128
04:00		3	180			5	73				
04:15		4	214			6	83				
04:30		8	227			14	76				
04:45		16	222	31	843	12	90	37	322	68	1165
05:00		23	245			10	69				
05:15		19	238			15	59				
05:30		27	**293**			18	68				
05:45		24	**337**	93	1113	35	84	78	280	171	1393
06:00		36	**292**			27	59				
06:15		35	**276**			54	59				
06:30		50	236			54	61				
06:45		52	193	173	997	84	77	219	256	392	1253
07:00		79	147			107	46				
07:15		76	138			134	53				
07:30		83	112			**184**	54				
07:45		96	119	334	516	**199**	36	624	189	958	705
08:00		113	86			**176**	48				
08:15		93	120			**180**	39				
08:30		108	63			148	47				
08:45		83	81	397	350	166	32	670	166	1067	516
09:00		97	68			133	38				
09:15		106	61			140	23				
09:30		99	48			89	23				
09:45		105	38	407	215	87	22	449	106	856	321
10:00		113	34			97	13				
10:15		**121**	28			80	15				
10:30		**130**	21			84	7				
10:45		**140**	11	504	94	81	14	342	49	846	143
11:00		**123**	25			64	3				
11:15		110	7			74	9				
11:30		129	19			65	9				
11:45		140	14	502	65	79	6	282	27	784	92
Total		2519	6366	2519	6366	2754	2783	2754	2783	5273	9149
Combined Total		8885		8885		5537		5537		14422	
AM Peak	-	10:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	514	-	-	-	739	-	-	-	-	-
P.H.F.		0.918				0.928					
PM Peak	-	-	05:30	-	-	-	02:15	-	-	-	-
Vol.	-	-	1198	-	-	-	388	-	-	-	-
P.H.F.			0.889				0.933				
Percentage		28.4%	71.6%			49.7%	50.3%				
ADT/AADT		ADT 14,422		AADT 14,422							

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City of Redlands
Reservoir Road
B/ Ford Street - Wabash Avenue
24 Hour Directional Volume Count

RED104
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	18			2	20				
12:15		0	27			0	26				
12:30		1	13			2	22				
12:45		1	17	3	75	1	10	5	78	8	153
01:00		0	18			0	30				
01:15		0	19			0	16				
01:30		1	26			0	18				
01:45		3	40	4	103	0	19	0	83	4	186
02:00		0	26			0	**44**				
02:15		1	19			1	**45**				
02:30		0	11			1	**27**				
02:45		0	14	1	70	2	**34**	4	150	5	220
03:00		0	15			0	28				
03:15		0	22			1	21				
03:30		0	25			1	19				
03:45		0	17	0	79	0	25	2	93	2	172
04:00		0	22			3	22				
04:15		0	20			4	18				
04:30		0	22			3	17				
04:45		2	**30**	2	94	4	14	14	71	16	165
05:00		1	**32**			5	26				
05:15		1	**25**			3	26				
05:30		1	**29**			8	22				
05:45		0	21	3	107	4	26	20	100	23	207
06:00		5	24			4	15				
06:15		8	22			13	16				
06:30		5	15			15	30				
06:45		14	15	32	76	21	25	53	86	85	162
07:00		10	24			28	22				
07:15		**28**	20			34	5				
07:30		**43**	18			**54**	11				
07:45		**40**	18	121	80	**66**	10	182	48	303	128
08:00		**18**	20			**70**	14				
08:15		19	10			**44**	13				
08:30		22	22			41	9				
08:45		9	10	68	62	44	6	199	42	267	104
09:00		11	20			31	8				
09:15		12	20			20	4				
09:30		7	12			19	3				
09:45		12	7	42	59	12	8	82	23	124	82
10:00		12	6			15	2				
10:15		16	6			16	6				
10:30		14	3			17	2				
10:45		8	3	50	18	24	2	72	12	122	30
11:00		14	0			14	2				
11:15		25	2			24	2				
11:30		22	1			16	1				
11:45		20	2	81	5	20	4	74	9	155	14
Total		407	828	407	828	707	795	707	795	1114	1623
Combined Total		1235		1235		1502		1502		2737	
AM Peak	-	07:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	129	-	-	-	234	-	-	-	-	-
P.H.F.		0.750				0.836					
PM Peak	-	-	04:45	-	-	-	02:00	-	-	-	-
Vol.	-	-	116	-	-	-	150	-	-	-	-
P.H.F.			0.725				0.833				
Percentage		33.0%	67.0%			47.1%	52.9%				
ADT/AADT		ADT 2,737		AADT 2,737							

Counts Unlimited, Inc

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City of Redlands
Rossmont Drive
B/ Garden Street - Sunset Drive
24 Hour Directional Volume Count

RED105
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	10			0	3				
12:15		0	9			0	8				
12:30		0	5			0	2				
12:45		1	5	1	29	0	6	0	19	1	48
01:00		0	9			1	12				
01:15		0	12			0	9				
01:30		0	5			1	5				
01:45		0	6	0	32	4	7	6	33	6	65
02:00		0	4			0	7				
02:15		0	**7**			0	4				
02:30		0	**11**			0	5				
02:45		0	**8**	0	30	1	6	1	22	1	52
03:00		1	**7**			0	7				
03:15		0	4			0	10				
03:30		0	2			0	11				
03:45		0	4	1	17	0	8	0	36	1	53
04:00		0	5			0	5				
04:15		0	7			0	4				
04:30		2	2			0	7				
04:45		4	4	6	18	0	10	0	26	6	44
05:00		1	2			0	8				
05:15		0	8			1	6				
05:30		2	4			2	9				
05:45		1	5	4	19	0	**9**	3	32	7	51
06:00		3	3			2	**9**				
06:15		3	2			2	**11**				
06:30		3	5			1	**12**				
06:45		2	4	11	14	5	8	10	40	21	54
07:00		5	3			5	6				
07:15		8	2			3	4				
07:30		**12**	6			3	4				
07:45		**17**	4	42	15	**8**	5	19	19	61	34
08:00		**13**	5			**5**	6				
08:15		**9**	0			**8**	10				
08:30		10	1			**4**	4				
08:45		5	2	37	8	2	3	19	23	56	31
09:00		10	2			4	4				
09:15		10	0			8	1				
09:30		9	5			6	3				
09:45		11	0	40	7	5	1	23	9	63	16
10:00		4	0			3	3				
10:15		9	2			6	1				
10:30		3	0			6	1				
10:45		9	0	25	2	4	0	19	5	44	7
11:00		4	0			4	1				
11:15		12	1			7	2				
11:30		8	1			10	1				
11:45		3	0	27	2	4	1	25	5	52	7
Total		194	193	194	193	125	269	125	269	319	462
Combined Total		387		387		394		394		781	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	51	-	-	-	25	-	-	-	-	-
P.H.F.		0.750				0.781					
PM Peak	-	-	02:15	-	-	-	05:45	-	-	-	-
Vol.	-	-	33	-	-	-	41	-	-	-	-
P.H.F.			0.688				0.854				
Percentage		50.1%	49.9%			31.7%	68.3%				
ADT/AADT		ADT 781		AADT 781							

Counts Unlimited, Inc

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City of Redlands
San Bernardino Avenue
B/ Tennessee Street - Orange Street
24 Hour Directional Volume Count

RED106
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		24	108			8	89				
12:15		23	102			17	154				
12:30		23	117			6	103				
12:45		16	115	86	442	14	87	45	433	131	875
01:00		15	111			11	110				
01:15		15	126			7	112				
01:30		14	118			13	103				
01:45		8	136	52	491	8	121	39	446	91	937
02:00		17	122			6	**143**				
02:15		18	147			8	**151**				
02:30		8	140			7	**128**				
02:45		12	148	55	557	14	**142**	35	564	90	1121
03:00		14	173			19	128				
03:15		10	206			18	136				
03:30		16	165			26	156				
03:45		14	186	54	730	44	138	107	558	161	1288
04:00		10	178			28	94				
04:15		8	198			36	123				
04:30		13	198			60	109				
04:45		20	188	51	762	70	138	194	464	245	1226
05:00		26	**228**			53	123				
05:15		26	**200**			74	126				
05:30		26	**224**			84	131				
05:45		30	**212**	108	864	78	128	289	508	397	1372
06:00		36	214			81	114				
06:15		42	178			108	108				
06:30		64	181			154	129				
06:45		61	168	203	741	180	106	523	457	726	1198
07:00		71	144			**194**	142				
07:15		78	160			**170**	106				
07:30		88	150			**142**	84				
07:45		**120**	114	357	568	**205**	76	711	408	1068	976
08:00		**114**	120			174	113				
08:15		**126**	104			184	140				
08:30		**95**	114			142	78				
08:45		70	101	405	439	144	50	644	381	1049	820
09:00		80	89			122	57				
09:15		105	79			124	58				
09:30		72	71			114	44				
09:45		94	79	351	318	130	46	490	205	841	523
10:00		80	66			132	42				
10:15		100	55			131	25				
10:30		68	42			104	28				
10:45		75	53	323	216	104	22	471	117	794	333
11:00		96	42			102	28				
11:15		110	33			106	22				
11:30		90	30			100	19				
11:45		110	46	406	151	124	20	432	89	838	240
Total		2451	6279	2451	6279	3980	4630	3980	4630	6431	10909
Combined Total		8730		8730		8610		8610		17340	
AM Peak	-	07:45	-	-	-	07:00	-	-	-	-	-
Vol.	-	455	-	-	-	711	-	-	-	-	-
P.H.F.		0.903				0.867					
PM Peak	-	-	05:00	-	-	-	02:00	-	-	-	-
Vol.	-	-	864	-	-	-	564	-	-	-	-
P.H.F.			0.947				0.934				
Percentage		28.1%	71.9%			46.2%	53.8%				
ADT/AADT		ADT 17,340		AADT 17,340							

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City of Redlands
San Bernardino Avenue
B/ Orange Street - University Street
24 Hour Directional Volume Count

RED107
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		14	67			6	71				
12:15		11	82			8	76				
12:30		6	76			4	54				
12:45		7	79	38	304	8	58	26	259	64	563
01:00		7	68			6	65				
01:15		13	72			8	56				
01:30		8	90			2	80				
01:45		5	87	33	317	1	78	17	279	50	596
02:00		4	95			5	76				
02:15		5	100			1	98				
02:30		2	88			5	76				
02:45		5	96	16	379	5	88	16	338	32	717
03:00		6	94			9	84				
03:15		6	102			3	112				
03:30		6	76			12	154				
03:45		12	104	30	376	18	148	42	498	72	874
04:00		1	112			13	80				
04:15		6	128			16	69				
04:30		7	**122**			27	91				
04:45		13	**128**	27	490	23	84	79	324	106	814
05:00		12	**135**			28	**108**				
05:15		17	**132**			25	**118**				
05:30		20	102			36	**154**				
05:45		22	113	71	482	46	**149**	135	529	206	1011
06:00		22	126			47	102				
06:15		21	116			58	62				
06:30		46	108			88	84				
06:45		41	116	130	466	100	87	293	335	423	801
07:00		55	80			96	88				
07:15		58	100			**144**	54				
07:30		52	88			**154**	62				
07:45		**92**	103	257	371	**145**	54	539	258	796	629
08:00		**74**	84			**125**	108				
08:15		**98**	60			124	80				
08:30		**104**	64			108	58				
08:45		48	62	324	270	80	38	437	284	761	554
09:00		40	52			67	26				
09:15		65	41			78	36				
09:30		46	37			77	22				
09:45		62	39	213	169	82	27	304	111	517	280
10:00		40	36			71	30				
10:15		60	26			58	17				
10:30		49	15			52	10				
10:45		56	23	205	100	56	13	237	70	442	170
11:00		46	17			55	4				
11:15		66	16			74	11				
11:30		57	12			56	10				
11:45		63	29	232	74	67	15	252	40	484	114
Total		1576	3798	1576	3798	2377	3325	2377	3325	3953	7123
Combined Total		5374		5374		5702		5702		11076	
AM Peak	-	07:45	-	-	-	07:15	-	-	-	-	-
Vol.	-	368	-	-	-	568	-	-	-	-	-
P.H.F.		0.885				0.922					
PM Peak	-	-	04:30	-	-	-	05:00	-	-	-	-
Vol.	-	-	517	-	-	-	529	-	-	-	-
P.H.F.			0.957				0.859				
Percentage		29.3%	70.7%			41.7%	58.3%				
ADT/AADT		ADT 11,076		AADT 11,076							

Counts Unlimited, Inc

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City of Redlands
San Bernardino Avenue
B/ University Street - Wabash Avenue
24 Hour Directional Volume Count

RED108
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		7	50			8	56				
12:15		6	62			6	60				
12:30		8	64			3	38				
12:45		5	42	26	218	8	44	25	198	51	416
01:00		6	47			5	50				
01:15		2	55			6	45				
01:30		5	72			4	57				
01:45		2	72	15	246	2	48	17	200	32	446
02:00		6	60			1	50				
02:15		4	66			2	**95**				
02:30		1	58			5	**78**				
02:45		2	63	13	247	4	**77**	12	300	25	547
03:00		4	71			3	**60**				
03:15		3	85			3	72				
03:30		5	104			7	69				
03:45		9	107	21	367	10	62	23	263	44	630
04:00		2	102			5	60				
04:15		3	100			6	54				
04:30		5	102			10	66				
04:45		11	101	21	405	13	75	34	255	55	660
05:00		9	**118**			18	48				
05:15		11	**116**			14	66				
05:30		17	**116**			28	66				
05:45		12	**108**	49	458	31	84	91	264	140	722
06:00		18	96			26	54				
06:15		20	88			38	50				
06:30		32	77			60	62				
06:45		32	94	102	355	60	68	184	234	286	589
07:00		50	57			58	88				
07:15		36	62			91	53				
07:30		54	62			**104**	36				
07:45		**74**	66	214	247	**113**	40	366	217	580	464
08:00		**62**	52			**101**	56				
08:15		**62**	40			**98**	53				
08:30		**84**	40			88	43				
08:45		55	42	263	174	59	20	346	172	609	346
09:00		46	31			53	22				
09:15		43	30			56	20				
09:30		43	21			43	12				
09:45		44	23	176	105	52	18	204	72	380	177
10:00		30	26			42	21				
10:15		43	11			43	12				
10:30		45	8			42	8				
10:45		38	13	156	58	42	10	169	51	325	109
11:00		35	9			35	2				
11:15		46	7			42	8				
11:30		47	11			44	5				
11:45		40	19	168	46	56	8	177	23	345	69
Total		1224	2926	1224	2926	1648	2249	1648	2249	2872	5175
Combined Total		4150		4150		3897		3897		8047	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	282	-	-	-	416	-	-	-	-	-
P.H.F.		0.839				0.920					
PM Peak	-	-	05:00	-	-	-	02:15	-	-	-	-
Vol.	-	-	458	-	-	-	310	-	-	-	-
P.H.F.			0.970				0.816				
Percentage		29.5%	70.5%			42.3%	57.7%				
ADT/AADT		ADT 8,047		AADT 8,047							

Counts Unlimited, Inc

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City of Redlands
San Bernardino Avenue
B/ Mountain View Avenue - California Street
24 Hour Directional Volume Count

RED109
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		22	86			12	91				
12:15		24	112			12	92				
12:30		16	98			8	111				
12:45		16	84	78	380	16	100	48	394	126	774
01:00		22	112			28	88				
01:15		18	80			14	98				
01:30		12	138			30	104				
01:45		8	102	60	432	12	118	84	408	144	840
02:00		9	120			10	118				
02:15		8	125			18	**132**				
02:30		8	139			24	**202**				
02:45		14	110	39	494	3	**154**	55	606	94	1100
03:00		8	104			16	**127**				
03:15		90	126			16	124				
03:30		38	134			22	147				
03:45		72	154	208	518	26	126	80	524	288	1042
04:00		17	148			16	122				
04:15		19	162			18	118				
04:30		40	**205**			35	117				
04:45		71	**204**	147	719	40	123	109	480	256	1199
05:00		46	**243**			31	122				
05:15		37	**204**			36	133				
05:30		64	174			40	136				
05:45		80	160	227	781	34	138	141	529	368	1310
06:00		73	171			44	118				
06:15		66	143			52	82				
06:30		84	101			58	92				
06:45		97	88	320	503	89	78	243	370	563	873
07:00		84	84			103	69				
07:15		72	62			**146**	88				
07:30		**105**	65			**164**	57				
07:45		**92**	44	353	255	**172**	51	585	265	938	520
08:00		**88**	42			**118**	54				
08:15		**75**	30			127	50				
08:30		60	19			108	32				
08:45		67	22	290	113	100	39	453	175	743	288
09:00		95	28			80	40				
09:15		68	23			74	34				
09:30		84	24			66	34				
09:45		47	12	294	87	66	32	286	140	580	227
10:00		68	18			62	38				
10:15		53	21			68	11				
10:30		82	24			56	42				
10:45		77	25	280	88	89	28	275	119	555	207
11:00		73	10			78	22				
11:15		76	24			88	24				
11:30		103	28			90	30				
11:45		100	41	352	103	84	14	340	90	692	193
Total		2648	4473	2648	4473	2699	4100	2699	4100	5347	8573
Combined Total		7121		7121		6799		6799		13920	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	360	-	-	-	600	-	-	-	-	-
P.H.F.		0.857				0.872					
PM Peak	-	-	04:30	-	-	-	02:15	-	-	-	-
Vol.	-	-	856	-	-	-	615	-	-	-	-
P.H.F.			0.881				0.761				
Percentage		37.2%	62.8%			39.7%	60.3%				
ADT/AADT		ADT 13,920		AADT 13,920							

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City of Redlands
San Mateo Street
B/ Brookside Avenue - Fern Avenue
24 Hour Directional Volume Count

RED110
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	61			2	55				
12:15		1	62			5	73				
12:30		2	73			7	85				
12:45		4	69	9	265	2	60	16	273	25	538
01:00		3	59			3	65				
01:15		0	74			3	65				
01:30		0	48			4	98				
01:45		35	62	38	243	1	87	11	315	49	558
02:00		21	99			1	87				
02:15		2	101			2	71				
02:30		29	74			1	82				
02:45		2	71	54	345	1	102	5	342	59	687
03:00		1	56			1	**134**				
03:15		3	**120**			1	**144**				
03:30		1	**109**			1	**114**				
03:45		6	**74**	11	359	3	**111**	6	503	17	862
04:00		4	**69**			1	129				
04:15		5	70			0	143				
04:30		9	64			4	119				
04:45		14	60	32	263	1	104	6	495	38	758
05:00		13	60			7	134				
05:15		11	58			5	133				
05:30		19	62			4	112				
05:45		24	69	67	249	6	112	22	491	89	740
06:00		20	55			10	95				
06:15		31	56			14	75				
06:30		34	49			15	69				
06:45		55	30	140	190	28	63	67	302	207	492
07:00		65	55			46	58				
07:15		67	24			74	40				
07:30		124	17			**113**	33				
07:45		**163**	36	419	132	**111**	48	344	179	763	311
08:00		**195**	31			**89**	38				
08:15		**156**	20			**114**	43				
08:30		**153**	19			96	36				
08:45		96	17	600	87	53	25	352	142	952	229
09:00		55	15			42	24				
09:15		61	15			43	24				
09:30		56	13			49	19				
09:45		78	11	250	54	51	14	185	81	435	135
10:00		59	12			45	22				
10:15		57	15			59	13				
10:30		41	6			40	10				
10:45		50	4	207	37	59	14	203	59	410	96
11:00		56	16			51	9				
11:15		51	2			77	4				
11:30		71	3			77	8				
11:45		78	9	256	30	66	3	271	24	527	54
Total		2083	2254	2083	2254	1488	3206	1488	3206	3571	5460
Combined Total		4337		4337		4694		4694		9031	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	667	-	-	-	427	-	-	-	-	-
P.H.F.		0.855				0.936					
PM Peak	-	-	03:15	-	-	-	03:00	-	-	-	-
Vol.	-	-	372	-	-	-	503	-	-	-	-
P.H.F.			0.775				0.873				
Percentage		48.0%	52.0%			31.7%	68.3%				
ADT/AADT		ADT 9,031		AADT 9,031							

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City of Redlands
San Mateo
B/ Fern Avenue - Highland Avenue
24 Hour Directional Volume Count

RED111
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	32			2	49				
12:15		1	39			4	48				
12:30		3	35			3	52				
12:45		1	33	7	139	2	41	11	190	18	329
01:00		1	29			2	35				
01:15		2	25			3	38				
01:30		0	25			1	44				
01:45		0	32	3	111	2	39	8	156	11	267
02:00		1	**44**			1	46				
02:15		0	**52**			0	49				
02:30		0	**47**			0	51				
02:45		0	**54**	1	197	0	52	1	198	2	395
03:00		0	35			0	91				
03:15		3	41			0	84				
03:30		0	40			2	117				
03:45		3	31	6	147	2	73	4	365	10	512
04:00		1	36			0	79				
04:15		1	31			1	**117**				
04:30		4	40			2	**77**				
04:45		4	43	10	150	0	**96**	3	369	13	519
05:00		11	32			4	**108**				
05:15		10	44			5	93				
05:30		15	35			3	92				
05:45		12	40	48	151	3	95	15	388	63	539
06:00		11	31			5	77				
06:15		18	35			9	54				
06:30		24	27			9	60				
06:45		37	19	90	112	15	35	38	226	128	338
07:00		47	18			24	38				
07:15		57	14			17	25				
07:30		**79**	19			34	29				
07:45		**80**	14	263	65	**40**	30	115	122	378	187
08:00		**63**	8			**43**	26				
08:15		**63**	10			**45**	24				
08:30		58	18			**52**	30				
08:45		56	11	240	47	38	18	178	98	418	145
09:00		36	8			29	12				
09:15		42	11			28	12				
09:30		43	6			27	9				
09:45		41	6	162	31	39	9	123	42	285	73
10:00		29	4			22	5				
10:15		34	5			37	10				
10:30		27	3			36	6				
10:45		35	2	125	14	33	7	128	28	253	42
11:00		35	2			37	3				
11:15		33	1			33	1				
11:30		39	2			47	6				
11:45		34	2	141	7	42	2	159	12	300	19
Total		1096	1171	1096	1171	783	2194	783	2194	1879	3365
Combined Total		2267		2267		2977		2977		5244	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	285	-	-	-	180	-	-	-	-	-
P.H.F.		0.891				0.865					
PM Peak	-	-	02:00	-	-	-	04:15	-	-	-	-
Vol.	-	-	197	-	-	-	398	-	-	-	-
P.H.F.			0.912				0.850				
Percentage		48.3%	51.7%			26.3%	73.7%				
ADT/AADT		ADT 5,244		AADT 5,244							

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City of Redlands
San Timoteo Canyon Road
B/ Fern Avenue - Barton Road
24 Hour Directional Volume Count

RED112
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	51			3	86				
12:15		3	60			6	66				
12:30		1	80			7	72				
12:45		5	61	14	252	3	60	19	284	33	536
01:00		4	38			2	64				
01:15		6	74			6	62				
01:30		2	54			2	81				
01:45		4	55	16	221	6	99	16	306	32	527
02:00		4	**74**			3	82				
02:15		3	**75**			5	59				
02:30		6	**80**			6	103				
02:45		4	**74**	17	303	3	**114**	17	358	34	661
03:00		6	60			2	**116**				
03:15		7	67			4	**136**				
03:30		10	69			5	**114**				
03:45		9	96	32	292	3	84	14	450	46	742
04:00		10	58			4	132				
04:15		20	46			7	109				
04:30		13	92			8	94				
04:45		20	36	63	232	6	88	25	423	88	655
05:00		18	59			3	112				
05:15		30	52			16	102				
05:30		62	42			27	74				
05:45		52	53	162	206	24	84	70	372	232	578
06:00		43	48			15	82				
06:15		60	46			36	74				
06:30		82	41			59	66				
06:45		108	43	293	178	60	57	170	279	463	457
07:00		88	28			52	68				
07:15		84	26			**54**	46				
07:30		**140**	23			**67**	40				
07:45		**132**	18	444	95	**66**	35	239	189	683	284
08:00		**94**	5			**62**	54				
08:15		**120**	15			54	31				
08:30		132	30			49	34				
08:45		124	14	470	64	56	38	221	157	691	221
09:00		104	18			44	20				
09:15		86	10			51	22				
09:30		88	18			48	19				
09:45		74	13	352	59	49	18	192	79	544	138
10:00		73	12			39	14				
10:15		70	5			34	20				
10:30		38	9			50	17				
10:45		86	7	267	33	68	9	191	60	458	93
11:00		60	4			46	9				
11:15		53	8			56	8				
11:30		60	6			42	12				
11:45		59	4	232	22	57	6	201	35	433	57
Total		2362	1957	2362	1957	1375	2992	1375	2992	3737	4949
Combined Total		4319		4319		4367		4367		8686	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	486	-	-	-	249	-	-	-	-	-
P.H.F.		0.868				0.929					
PM Peak	-	-	02:00	-	-	-	02:45	-	-	-	-
Vol.	-	-	303	-	-	-	480	-	-	-	-
P.H.F.			0.947				0.882				
Percentage		54.7%	45.3%			31.5%	68.5%				
ADT/AADT		ADT 8,686		AADT 8,686							

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City of Redlands
Sunnyside Avenue
B/ Fern Avenue - Cypress Avenue
24 Hour Directional Volume Count

RED113
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	7			0	7				
12:15		0	6			0	2				
12:30		0	6			0	3				
12:45		0	7	0	26	0	8	0	20	0	46
01:00		0	8			0	9				
01:15		1	8			0	14				
01:30		0	8			0	4				
01:45		0	6	1	30	0	8	0	35	1	65
02:00		0	8			0	10				
02:15		0	6			0	13				
02:30		0	6			0	10				
02:45		0	1	0	21	0	4	0	37	0	58
03:00		0	8			0	4				
03:15		0	11			0	10				
03:30		0	10			0	**10**				
03:45		0	8	0	37	0	**12**	0	36	0	73
04:00		0	8			0	**11**				
04:15		0	10			0	**12**				
04:30		2	4			1	4				
04:45		0	**8**	2	30	2	6	3	33	5	63
05:00		0	**12**			0	2				
05:15		0	**8**			0	4				
05:30		1	**10**			2	7				
05:45		0	4	1	34	0	5	2	18	3	52
06:00		2	8			3	8				
06:15		0	8			2	6				
06:30		2	10			2	10				
06:45		3	3	7	29	6	0	13	24	20	53
07:00		3	0			2	10				
07:15		2	4			**10**	4				
07:30		4	3			**17**	2				
07:45		8	6	17	13	**25**	3	54	19	71	32
08:00		5	1			**14**	0				
08:15		4	1			6	0				
08:30		6	8			6	6				
08:45		5	1	20	11	10	2	36	8	56	19
09:00		**11**	2			6	0				
09:15		**2**	2			6	0				
09:30		**6**	1			6	2				
09:45		**10**	4	29	9	23	4	41	6	70	15
10:00		2	1			5	2				
10:15		4	0			4	0				
10:30		6	0			9	0				
10:45		7	0	19	1	6	0	24	2	43	3
11:00		4	1			6	2				
11:15		4	1			6	1				
11:30		6	0			7	0				
11:45		3	0	17	2	13	2	32	5	49	7
Total		113	243	113	243	205	243	205	243	318	486
Combined Total		356		356		448		448		804	
AM Peak	-	09:00	-	-	-	07:15	-	-	-	-	-
Vol.	-	29	-	-	-	66	-	-	-	-	-
P.H.F.		0.659				0.660					
PM Peak	-	-	04:45	-	-	-	03:30	-	-	-	-
Vol.	-	-	38	-	-	-	45	-	-	-	-
P.H.F.			0.792				0.938				
Percentage		31.7%	68.3%			45.8%	54.2%				
ADT/AADT		ADT 804		AADT 804							

Counts Unlimited, Inc

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City of Redlands
Sunnyside Avenue
B/ Cypress Avenue - Smiley Heights Drive
24 Hour Directional Volume Count

RED114
Site Code: 105-24810

Start Time	9/26/24 Thu	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	4			0	5				
12:15		1	1			0	2				
12:30		0	8			0	0				
12:45		0	2	1	15	0	2	0	9	1	24
01:00		0	5			0	3				
01:15		0	4			0	4				
01:30		1	3			0	2				
01:45		0	3	1	15	0	**4**	0	13	1	28
02:00		0	4			1	**2**				
02:15		0	4			0	**6**				
02:30		0	6			0	**4**				
02:45		0	6	0	20	0	2	1	14	1	34
03:00		0	4			0	4				
03:15		0	8			0	3				
03:30		0	6			0	3				
03:45		0	7	0	25	1	3	1	13	1	38
04:00		0	5			0	5				
04:15		0	3			0	3				
04:30		1	4			0	2				
04:45		1	2	2	14	1	4	1	14	3	28
05:00		0	**5**			0	3				
05:15		0	**6**			0	3				
05:30		0	**8**			1	3				
05:45		0	**8**	0	27	0	4	1	13	1	40
06:00		1	4			1	3				
06:15		0	1			2	3				
06:30		1	6			1	2				
06:45		1	2	3	13	6	2	10	10	13	23
07:00		2	4			**5**	3				
07:15		2	1			**5**	2				
07:30		1	0			**8**	2				
07:45		3	4	8	9	**13**	1	31	8	39	17
08:00		4	4			3	1				
08:15		3	1			7	1				
08:30		2	5			4	1				
08:45		2	2	11	12	6	0	20	3	31	15
09:00		**7**	0			5	0				
09:15		**5**	0			7	2				
09:30		**5**	3			2	2				
09:45		**3**	2	20	5	4	0	18	4	38	9
10:00		1	0			2	1				
10:15		1	1			3	1				
10:30		1	1			1	0				
10:45		0	1	3	3	2	0	8	2	11	5
11:00		2	0			2	0				
11:15		4	0			0	1				
11:30		3	1			3	0				
11:45		3	0	12	1	3	0	8	1	20	2
Total		61	159	61	159	99	104	99	104	160	263
Combined Total		220		220		203		203		423	
AM Peak	-	09:00	-	-	-	07:00	-	-	-	-	-
Vol.	-	20	-	-	-	31	-	-	-	-	-
P.H.F.		0.714				0.596					
PM Peak	-	-	05:00	-	-	-	01:45	-	-	-	-
Vol.	-	-	27	-	-	-	16	-	-	-	-
P.H.F.			0.844				0.667				
Percentage		27.7%	72.3%			48.8%	51.2%				
ADT/AADT		ADT 423		AADT 423							

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City of Redlands
Sunset Drive North
B/ Alta Vista Drive - Panorama Point Drive
24 Hour Directional Volume Count

RED115
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	5			1	0				
12:15		0	4			0	3				
12:30		0	4			0	2				
12:45		0	4	0	17	0	3	1	8	1	25
01:00		0	4			0	4				
01:15		0	0			0	2				
01:30		1	4			0	4				
01:45		0	4	1	12	0	5	0	15	1	27
02:00		0	3			0	2				
02:15		0	2			1	5				
02:30		0	7			0	3				
02:45		1	1	1	13	0	4	1	14	2	27
03:00		0	2			0	5				
03:15		1	6			0	3				
03:30		0	2			0	**8**				
03:45		0	5	1	15	0	**7**	0	23	1	38
04:00		0	6			0	**10**				
04:15		2	4			0	**12**				
04:30		0	6			0	6				
04:45		0	2	2	18	2	7	2	35	4	53
05:00		1	4			2	4				
05:15		0	1			0	7				
05:30		1	**7**			0	3				
05:45		2	**3**	4	15	0	14	2	28	6	43
06:00		2	**4**			0	10				
06:15		1	**8**			1	7				
06:30		3	6			3	6				
06:45		0	2	6	20	2	8	6	31	12	51
07:00		2	3			1	2				
07:15		**15**	3			3	4				
07:30		**16**	1			7	2				
07:45		**14**	3	47	10	2	5	13	13	60	23
08:00		**6**	3			3	2				
08:15		10	4			3	5				
08:30		16	4			**6**	2				
08:45		11	2	43	13	**4**	2	16	11	59	24
09:00		5	3			**4**	2				
09:15		4	2			**4**	0				
09:30		6	4			3	2				
09:45		4	6	19	15	4	2	15	6	34	21
10:00		4	1			5	2				
10:15		2	3			4	1				
10:30		1	0			3	1				
10:45		3	1	10	5	1	0	13	4	23	9
11:00		1	0			1	0				
11:15		4	2			8	0				
11:30		2	0			1	1				
11:45		5	1	12	3	4	0	14	1	26	4
Total		146	156	146	156	83	189	83	189	229	345
Combined Total		302		302		272		272		574	
AM Peak	-	07:15	-	-	-	08:30	-	-	-	-	-
Vol.	-	51	-	-	-	18	-	-	-	-	-
P.H.F.		0.797				0.750					
PM Peak	-	-	05:30	-	-	-	03:30	-	-	-	-
Vol.	-	-	22	-	-	-	37	-	-	-	-
P.H.F.			0.688				0.771				
Percentage		48.3%	51.7%			30.5%	69.5%				
ADT/AADT		ADT 574		AADT 574							

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City of Redlands
Sunset Drive North
B/ Panorama Point Drive - Wabash Avenue
24 Hour Directional Volume Count

RED116
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	6			1	1				
12:15		0	5			1	9				
12:30		0	3			0	6				
12:45		0	7	1	21	0	5	2	21	3	42
01:00		0	8			0	2				
01:15		0	8			0	3				
01:30		1	3			0	7				
01:45		1	7	2	26	1	6	1	18	3	44
02:00		0	3			0	1				
02:15		1	2			0	3				
02:30		0	5			0	9				
02:45		0	1	1	11	2	4	2	17	3	28
03:00		0	8			0	4				
03:15		0	3			0	4				
03:30		0	15			1	3				
03:45		0	3	0	29	0	1	1	12	1	41
04:00		0	**11**			2	6				
04:15		2	**12**			2	6				
04:30		0	**12**			0	7				
04:45		2	**12**	4	47	2	**6**	6	25	10	72
05:00		0	7			4	**7**				
05:15		0	10			0	**5**				
05:30		0	5			2	**10**				
05:45		0	17	0	39	1	3	7	25	7	64
06:00		1	13			2	3				
06:15		2	6			1	4				
06:30		1	8			3	5				
06:45		4	12	8	39	5	4	11	16	19	55
07:00		1	4			9	4				
07:15		6	10			**19**	1				
07:30		1	3			**16**	1				
07:45		**6**	7	14	24	**18**	2	62	8	76	32
08:00		**4**	6			**10**	8				
08:15		**4**	5			12	3				
08:30		**5**	9			16	6				
08:45		1	3	14	23	13	2	51	19	65	42
09:00		4	4			8	4				
09:15		3	5			3	5				
09:30		3	3			6	0				
09:45		3	1	13	13	5	5	22	14	35	27
10:00		6	2			5	2				
10:15		7	6			6	1				
10:30		2	0			2	1				
10:45		0	0	15	8	2	3	15	7	30	15
11:00		5	3			5	1				
11:15		3	2			9	1				
11:30		4	1			3	1				
11:45		6	1	18	7	7	0	24	3	42	10
Total		90	287	90	287	204	185	204	185	294	472
Combined Total		377		377		389		389		766	
AM Peak	-	07:45	-	-	-	07:15	-	-	-	-	-
Vol.	-	19	-	-	-	63	-	-	-	-	-
P.H.F.		0.792				0.829					
PM Peak	-	-	04:00	-	-	-	04:45	-	-	-	-
Vol.	-	-	47	-	-	-	28	-	-	-	-
P.H.F.			0.979				0.700				
Percentage		23.9%	76.1%			52.4%	47.6%				
ADT/AADT		ADT 766		AADT 766							

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City of Redlands
Sunset Drive North
B/ Wabash Avenue - Ford Street
24 Hour Directional Volume Count

RED117
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	16			0	8				
12:15		0	18			1	8				
12:30		0	31			1	10				
12:45		0	19	0	84	0	11	2	37	2	121
01:00		0	18			0	10				
01:15		0	**26**			0	10				
01:30		0	**13**			0	14				
01:45		2	**38**	2	95	0	14	0	48	2	143
02:00		0	**30**			0	**14**				
02:15		0	18			0	**20**				
02:30		0	16			1	**14**				
02:45		0	16	0	80	0	**15**	1	63	1	143
03:00		0	26			0	6				
03:15		0	26			0	8				
03:30		0	28			0	8				
03:45		1	25	1	105	2	10	2	32	3	137
04:00		0	21			1	6				
04:15		0	26			1	7				
04:30		0	16			2	12				
04:45		4	19	4	82	2	6	6	31	10	113
05:00		0	20			3	12				
05:15		0	20			1	6				
05:30		2	27			6	20				
05:45		0	30	2	97	4	8	14	46	16	143
06:00		0	16			4	9				
06:15		4	18			4	5				
06:30		6	24			5	8				
06:45		6	14	16	72	6	6	19	28	35	100
07:00		7	13			12	14				
07:15		12	20			**22**	4				
07:30		**16**	9			**26**	4				
07:45		**38**	12	73	54	**31**	6	91	28	164	82
08:00		**22**	14			**34**	0				
08:15		**15**	12			16	2				
08:30		14	17			17	4				
08:45		11	6	62	49	14	4	81	10	143	59
09:00		9	13			13	3				
09:15		12	16			14	5				
09:30		19	6			16	1				
09:45		12	8	52	43	12	0	55	9	107	52
10:00		11	4			7	3				
10:15		12	5			8	0				
10:30		6	2			10	0				
10:45		12	2	41	13	6	1	31	4	72	17
11:00		19	2			11	2				
11:15		18	2			8	1				
11:30		13	4			8	0				
11:45		12	8	62	16	12	0	39	3	101	19
Total		315	790	315	790	341	339	341	339	656	1129
Combined Total		1105		1105		680		680		1785	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	91	-	-	-	113	-	-	-	-	-
P.H.F.		0.599				0.831					
PM Peak	-	-	01:15	-	-	-	02:00	-	-	-	-
Vol.	-	-	107	-	-	-	63	-	-	-	-
P.H.F.			0.704				0.788				
Percentage		28.5%	71.5%			50.1%	49.9%				
ADT/AADT		ADT 1,785		AADT 1,785							

Counts Unlimited, Inc

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City of Redlands
Sunset Drive North
B/ Ford Street - Franklin Avenue
24 Hour Directional Volume Count

RED118
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	10			0	13				
12:15		0	10			0	6				
12:30		0	12			1	5				
12:45		0	6	1	38	0	7	1	31	2	69
01:00		0	10			0	8				
01:15		0	14			1	**10**				
01:30		0	14			0	**12**				
01:45		0	16	0	54	0	**12**	1	42	1	96
02:00		0	19			0	**16**				
02:15		0	10			0	7				
02:30		0	**21**			1	10				
02:45		1	**17**	1	67	0	9	1	42	2	109
03:00		0	**22**			0	8				
03:15		0	**16**			0	5				
03:30		2	14			0	8				
03:45		0	16	2	68	0	6	0	27	2	95
04:00		0	12			0	8				
04:15		2	11			0	10				
04:30		3	19			0	4				
04:45		1	18	6	60	0	4	0	26	6	86
05:00		3	17			0	7				
05:15		2	11			1	4				
05:30		0	16			5	13				
05:45		3	16	8	60	0	10	6	34	14	94
06:00		2	11			0	9				
06:15		9	11			2	4				
06:30		6	10			5	4				
06:45		8	11	25	43	3	9	10	26	35	69
07:00		12	10			3	5				
07:15		12	4			**22**	5				
07:30		**25**	13			**15**	2				
07:45		**25**	8	74	35	**15**	11	55	23	129	58
08:00		**18**	2			**9**	10				
08:15		**15**	6			10	9				
08:30		18	2			11	2				
08:45		6	6	57	16	5	4	35	25	92	41
09:00		10	3			10	2				
09:15		11	1			9	3				
09:30		14	1			7	2				
09:45		19	2	54	7	16	1	42	8	96	15
10:00		11	1			12	2				
10:15		7	2			6	2				
10:30		4	1			4	1				
10:45		12	1	34	5	5	1	27	6	61	11
11:00		13	0			5	1				
11:15		11	0			9	1				
11:30		7	1			6	3				
11:45		8	0	39	1	12	0	32	5	71	6
Total		301	454	301	454	210	295	210	295	511	749
Combined Total		755		755		505		505		1260	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	83	-	-	-	61	-	-	-	-	-
P.H.F.		0.830				0.693					
PM Peak	-	-	02:30	-	-	-	01:15	-	-	-	-
Vol.	-	-	76	-	-	-	50	-	-	-	-
P.H.F.			0.864				0.781				
Percentage		39.9%	60.1%			41.6%	58.4%				
ADT/AADT		ADT 1,260		AADT 1,260							

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City of Redlands
Sunset Drive South
B/ Serpentine Road - Alessandro Drive
24 Hour Directional Volume Count

RED120
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	2			0	3				
12:15		0	1			0	1				
12:30		0	8			0	3				
12:45		0	0	0	11	0	2	0	9	0	20
01:00		0	1			0	3				
01:15		2	4			0	1				
01:30		0	5			0	4				
01:45		0	1	2	11	0	2	0	10	2	21
02:00		0	3			0	2				
02:15		0	4			0	1				
02:30		0	1			0	2				
02:45		0	4	0	12	0	4	0	9	0	21
03:00		0	3			0	3				
03:15		0	5			0	5				
03:30		1	4			0	1				
03:45		0	4	1	16	0	2	0	11	1	27
04:00		0	4			0	**7**				
04:15		0	3			0	**6**				
04:30		0	3			0	**4**				
04:45		0	**4**	0	14	0	**3**	0	20	0	34
05:00		2	**4**			0	4				
05:15		0	**3**			0	1				
05:30		0	**9**			0	6				
05:45		0	1	2	17	0	8	0	19	2	36
06:00		1	4			1	2				
06:15		1	0			0	4				
06:30		3	6			0	4				
06:45		2	2	7	12	3	1	4	11	11	23
07:00		**6**	0			0	0				
07:15		**4**	1			2	3				
07:30		**6**	7			0	1				
07:45		**3**	1	19	9	0	1	2	5	21	14
08:00		0	1			1	1				
08:15		3	0			1	2				
08:30		3	0			1	0				
08:45		4	1	10	2	1	1	4	4	14	6
09:00		2	2			0	2				
09:15		2	1			**3**	1				
09:30		4	0			**4**	1				
09:45		5	1	13	4	**4**	0	11	4	24	8
10:00		3	0			**4**	0				
10:15		1	0			1	0				
10:30		4	1			0	3				
10:45		1	0	9	1	4	0	9	3	18	4
11:00		6	0			8	0				
11:15		1	0			0	0				
11:30		1	1			0	0				
11:45		4	0	12	1	2	0	10	0	22	1
Total		75	110	75	110	40	105	40	105	115	215
Combined Total		185		185		145		145		330	
AM Peak	-	07:00	-	-	-	09:15	-	-	-	-	-
Vol.	-	19	-	-	-	15	-	-	-	-	-
P.H.F.		0.792				0.938					
PM Peak	-	-	04:45	-	-	-	04:00	-	-	-	-
Vol.	-	-	20	-	-	-	20	-	-	-	-
P.H.F.			0.556				0.714				
Percentage		40.5%	59.5%			27.6%	72.4%				
ADT/AADT		ADT 330		AADT 330							

Counts Unlimited, Inc

PO Box 1178
Corona, CA 92878
Phone: 951-268-6268
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City of Redlands
Sunset Drive South
B/ Alessandro Drive - Ridge Street
24 Hour Directional Volume Count

RED121
Site Code: 105-24810

Start Time	9/25/24 Wed	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	5			1	**10**				
12:15		0	7			0	**4**				
12:30		0	9			0	**6**				
12:45		0	2	0	23	0	**5**	1	25	1	48
01:00		0	4			0	8				
01:15		0	5			2	3				
01:30		0	8			0	3				
01:45		0	4	0	21	0	3	2	17	2	38
02:00		0	7			0	10				
02:15		0	12			0	8				
02:30		0	0			0	0				
02:45		0	1	0	20	0	6	0	24	0	44
03:00		0	7			0	2				
03:15		0	10			0	4				
03:30		1	**6**			2	2				
03:45		0	**7**	1	30	0	2	2	10	3	40
04:00		1	**10**			0	4				
04:15		0	**14**			0	6				
04:30		0	4			0	4				
04:45		0	8	1	36	1	3	1	17	2	53
05:00		0	11			1	1				
05:15		0	8			0	6				
05:30		0	7			0	2				
05:45		0	7	0	33	2	2	3	11	3	44
06:00		2	14			6	8				
06:15		1	6			4	2				
06:30		**11**	9			8	7				
06:45		**7**	2	21	31	4	4	22	21	43	52
07:00		**4**	0			6	0				
07:15		**6**	2			4	2				
07:30		4	5			**9**	3				
07:45		1	2	15	9	**12**	1	31	6	46	15
08:00		9	4			**5**	1				
08:15		5	2			**6**	0				
08:30		4	1			9	6				
08:45		4	1	22	8	5	3	25	10	47	18
09:00		6	0			7	2				
09:15		4	2			3	1				
09:30		6	2			4	0				
09:45		2	1	18	5	2	1	16	4	34	9
10:00		4	1			4	0				
10:15		10	1			8	0				
10:30		0	0			8	1				
10:45		7	0	21	2	4	0	24	1	45	3
11:00		4	1			4	0				
11:15		6	0			1	0				
11:30		6	0			4	2				
11:45		4	0	20	1	5	0	14	2	34	3
Total		119	219	119	219	141	148	141	148	260	367
Combined Total		338		338		289		289		627	
AM Peak	-	06:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	28	-	-	-	32	-	-	-	-	-
P.H.F.		0.636				0.667					
PM Peak	-	-	03:30	-	-	-	12:00	-	-	-	-
Vol.	-	-	37	-	-	-	25	-	-	-	-
P.H.F.			0.661				0.625				
Percentage		35.2%	64.8%			48.8%	51.2%				
ADT/AADT		ADT 627		AADT 627							

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City of Redlands
Sunset Drive South
B/ Ridge Street - Helen Drive
24 Hour Directional Volume Count

RED122
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	10			1	5				
12:15		0	12			0	6				
12:30		0	8			0	5				
12:45		0	6	0	36	0	**12**	1	28	1	64
01:00		0	12			0	**12**				
01:15		0	8			1	**6**				
01:30		0	14			0	**7**				
01:45		1	10	1	44	0	6	1	31	2	75
02:00		0	4			0	9				
02:15		0	8			0	4				
02:30		0	10			0	7				
02:45		0	10	0	32	0	8	0	28	0	60
03:00		0	8			0	8				
03:15		0	15			0	6				
03:30		0	18			0	4				
03:45		1	11	1	52	0	4	0	22	1	74
04:00		0	8			0	10				
04:15		0	14			0	8				
04:30		0	11			1	5				
04:45		0	7	0	40	2	5	3	28	3	68
05:00		0	**14**			1	5				
05:15		1	**13**			3	6				
05:30		1	**16**			3	4				
05:45		0	**12**	2	55	2	8	9	23	11	78
06:00		0	12			4	6				
06:15		1	12			5	5				
06:30		2	6			3	7				
06:45		9	14	12	44	10	7	22	25	34	69
07:00		6	6			8	2				
07:15		1	7			16	5				
07:30		3	7			**14**	6				
07:45		6	5	16	25	**16**	1	54	14	70	39
08:00		4	3			**12**	0				
08:15		9	7			**20**	3				
08:30		6	1			14	2				
08:45		**11**	4	30	15	11	2	57	7	87	22
09:00		**5**	4			6	1				
09:15		**14**	5			8	5				
09:30		**10**	1			18	1				
09:45		2	1	31	11	8	1	40	8	71	19
10:00		2	1			6	0				
10:15		5	0			8	0				
10:30		6	0			8	0				
10:45		8	1	21	2	8	1	30	1	51	3
11:00		8	2			8	0				
11:15		8	1			10	0				
11:30		4	0			6	3				
11:45		10	0	30	3	10	0	34	3	64	6
Total		144	359	144	359	251	218	251	218	395	577
Combined Total		503		503		469		469		972	
AM Peak	-	08:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	40	-	-	-	62	-	-	-	-	-
P.H.F.		0.714				0.775					
PM Peak	-	-	05:00	-	-	-	00:45	-	-	-	-
Vol.	-	-	55	-	-	-	37	-	-	-	-
P.H.F.			0.764				0.771				
Percentage		28.6%	71.4%			53.5%	46.5%				
ADT/AADT		ADT 972		AADT 972							

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City of Redlands
Sunset Drive South
B/ Helen Drive - Alta Vista Drive
24 Hour Directional Volume Count

RED119
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	10			1	5				
12:15		0	9			0	4				
12:30		1	8			0	4				
12:45		0	13	1	40	0	8	1	21	2	61
01:00		0	12			0	13				
01:15		0	8			1	4				
01:30		0	14			0	8				
01:45		0	5	0	39	0	6	1	31	1	70
02:00		0	11			0	**9**				
02:15		0	15			0	**12**				
02:30		0	10			0	**11**				
02:45		0	10	0	46	0	**12**	0	44	0	90
03:00		0	10			0	8				
03:15		0	11			0	4				
03:30		0	12			0	11				
03:45		0	**12**	0	45	0	6	0	29	0	74
04:00		1	**16**			0	5				
04:15		0	**10**			0	6				
04:30		1	**14**			1	12				
04:45		1	8	3	48	0	3	1	26	4	74
05:00		2	10			1	7				
05:15		2	16			0	12				
05:30		3	7			2	3				
05:45		2	9	9	42	1	4	4	26	13	68
06:00		2	6			4	8				
06:15		4	8			2	5				
06:30		2	6			3	6				
06:45		5	5	13	25	9	7	18	26	31	51
07:00		4	5			**11**	3				
07:15		8	9			**9**	6				
07:30		**14**	4			**12**	8				
07:45		**17**	3	43	21	**11**	5	43	22	86	43
08:00		**14**	6			6	7				
08:15		**9**	5			10	5				
08:30		4	5			9	6				
08:45		10	3	37	19	11	2	36	20	73	39
09:00		7	1			4	6				
09:15		9	2			4	4				
09:30		10	1			6	5				
09:45		5	0	31	4	10	0	24	15	55	19
10:00		5	1			7	2				
10:15		9	2			10	0				
10:30		7	0			8	1				
10:45		9	1	30	4	6	0	31	3	61	7
11:00		8	1			6	1				
11:15		10	0			8	1				
11:30		3	1			8	2				
11:45		6	0	27	2	10	0	32	4	59	6
Total		194	335	194	335	191	267	191	267	385	602
Combined Total		529		529		458		458		987	
AM Peak	-	07:30	-	-	-	07:00	-	-	-	-	-
Vol.	-	54	-	-	-	43	-	-	-	-	-
P.H.F.		0.794				0.896					
PM Peak	-	-	03:45	-	-	-	02:00	-	-	-	-
Vol.	-	-	52	-	-	-	44	-	-	-	-
P.H.F.			0.813				0.917				
Percentage		36.7%	63.3%			41.7%	58.3%				
ADT/AADT		ADT 987		AADT 987							

Counts Unimited, Inc.

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City of Redlands
Tennessee Street
B/ Colton Avenue - Brookside Avenue
24 Hour Directional Volume Count

RED124
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	99			14	75				
12:15		1	94			8	94				
12:30		4	88			10	93				
12:45		5	106	15	387	8	89	40	351	55	738
01:00		4	99			10	87				
01:15		2	107			5	74				
01:30		4	99			3	107				
01:45		5	84	15	389	8	86	26	354	41	743
02:00		3	103			6	102				
02:15		3	135			8	86				
02:30		5	115			2	90				
02:45		4	**139**	15	492	6	**125**	22	403	37	895
03:00		6	**133**			1	**183**				
03:15		6	**132**			3	**138**				
03:30		12	**122**			2	**135**				
03:45		10	128	34	515	7	111	13	567	47	1082
04:00		15	112			4	145				
04:15		8	105			1	126				
04:30		16	94			7	101				
04:45		35	102	74	413	3	113	15	485	89	898
05:00		17	112			11	137				
05:15		22	135			10	141				
05:30		32	75			14	135				
05:45		40	97	111	419	19	142	54	555	165	974
06:00		39	101			28	109				
06:15		66	80			21	104				
06:30		75	81			23	100				
06:45		100	79	280	341	33	85	105	398	385	739
07:00		104	62			38	75				
07:15		**145**	47			42	78				
07:30		**171**	50			**111**	68				
07:45		**222**	44	642	203	**152**	77	343	298	985	501
08:00		**175**	47			**125**	69				
08:15		126	35			**63**	62				
08:30		138	50			69	51				
08:45		131	34	570	166	57	54	314	236	884	402
09:00		89	19			55	42				
09:15		93	21			57	40				
09:30		109	21			62	38				
09:45		92	14	383	75	70	23	244	143	627	218
10:00		86	9			61	34				
10:15		89	9			74	24				
10:30		86	15			59	39				
10:45		86	11	347	44	65	22	259	119	606	163
11:00		98	11			82	19				
11:15		92	11			87	11				
11:30		103	6			78	13				
11:45		81	5	374	33	87	16	334	59	708	92
Total		2860	3477	2860	3477	1769	3968	1769	3968	4629	7445
Combined Total		6337		6337		5737		5737		12074	
AM Peak	-	07:15	-	-	-	07:30	-	-	-	-	-
Vol.	-	713	-	-	-	451	-	-	-	-	-
P.H.F.		0.803				0.742					
PM Peak	-	-	02:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	526	-	-	-	581	-	-	-	-
P.H.F.			0.946				0.794				
Percentage		45.1%	54.9%			30.8%	69.2%				
ADT/AADT		ADT 12,074		AADT 12,074							

Counts Unlimited, Inc

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City of Redlands
Terracina Boulevard
B/ Barton Road - Olive Avenue
24 Hour Directional Volume Count

RED125
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		8	82			2	66				
12:15		5	58			5	58				
12:30		5	74			1	68				
12:45		2	62	20	276	4	72	12	264	32	540
01:00		6	64			2	64				
01:15		3	83			3	77				
01:30		7	76			0	78				
01:45		3	68	19	291	4	68	9	287	28	578
02:00		3	88			3	60				
02:15		1	88			0	93				
02:30		1	88			2	94				
02:45		1	**92**	6	356	0	84	5	331	11	687
03:00		3	**126**			1	90				
03:15		1	**121**			2	97				
03:30		6	**114**			6	92				
03:45		4	72	14	433	7	94	16	373	30	806
04:00		6	106			5	92				
04:15		2	64			3	68				
04:30		17	89			15	**98**				
04:45		8	72	33	331	17	**102**	40	360	73	691
05:00		12	96			4	**126**				
05:15		17	67			8	**99**				
05:30		26	67			17	84				
05:45		19	55	74	285	40	98	69	407	143	692
06:00		42	64			31	62				
06:15		35	62			60	62				
06:30		36	54			57	66				
06:45		56	32	169	212	69	62	217	252	386	464
07:00		70	45			56	58				
07:15		116	39			62	34				
07:30		**175**	64			**74**	48				
07:45		**140**	27	501	175	**90**	36	282	176	783	351
08:00		**122**	30			**98**	28				
08:15		**132**	25			**98**	35				
08:30		134	26			72	18				
08:45		70	20	458	101	74	15	342	96	800	197
09:00		83	28			56	18				
09:15		58	23			34	14				
09:30		62	19			66	16				
09:45		84	16	287	86	72	10	228	58	515	144
10:00		73	13			55	10				
10:15		76	7			56	7				
10:30		79	20			59	12				
10:45		58	11	286	51	64	15	234	44	520	95
11:00		67	30			56	9				
11:15		61	11			54	9				
11:30		70	20			56	5				
11:45		68	10	266	71	60	5	226	28	492	99
Total		2133	2668	2133	2668	1680	2676	1680	2676	3813	5344
Combined Total		4801		4801		4356		4356		9157	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	569	-	-	-	360	-	-	-	-	-
P.H.F.		0.813				0.918					
PM Peak	-	-	02:45	-	-	-	04:30	-	-	-	-
Vol.	-	-	453	-	-	-	425	-	-	-	-
P.H.F.			0.899				0.843				
Percentage		44.4%	55.6%			38.6%	61.4%				
ADT/AADT		ADT 9,157		AADT 9,157							

Counts Unlimited, Inc

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City of Redlands
Terracina Boulevard
B/ Olive Avenue - Cypress Avenue
24 Hour Directional Volume Count

RED126
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	50			2	44				
12:15		7	32			5	22				
12:30		3	33			4	27				
12:45		2	40	13	155	4	36	15	129	28	284
01:00		3	38			1	34				
01:15		0	28			3	50				
01:30		3	40			0	39				
01:45		0	42	6	148	2	45	6	168	12	316
02:00		2	43			0	42				
02:15		1	69			2	49				
02:30		0	58			3	57				
02:45		1	**48**	4	218	2	57	7	205	11	423
03:00		3	**38**			1	77				
03:15		2	**57**			1	66				
03:30		1	**80**			0	91				
03:45		6	40	12	215	0	84	2	318	14	533
04:00		2	41			2	72				
04:15		1	20			0	78				
04:30		9	38			6	87				
04:45		6	31	18	130	2	**101**	10	338	28	468
05:00		7	37			2	**125**				
05:15		14	27			2	**105**				
05:30		14	39			3	**92**				
05:45		29	35	64	138	6	86	13	408	77	546
06:00		32	40			6	54				
06:15		36	41			9	53				
06:30		36	39			15	52				
06:45		75	30	179	150	17	42	47	201	226	351
07:00		63	27			18	44				
07:15		96	17			25	30				
07:30		**124**	12			**61**	35				
07:45		**130**	11	413	67	**43**	43	147	152	560	219
08:00		**106**	14			**49**	21				
08:15		**118**	9			**51**	26				
08:30		110	15			34	14				
08:45		73	9	407	47	27	6	161	67	568	114
09:00		64	14			24	16				
09:15		46	9			20	7				
09:30		46	9			21	6				
09:45		48	7	204	39	36	8	101	37	305	76
10:00		48	9			31	16				
10:15		54	4			21	9				
10:30		50	9			24	4				
10:45		40	3	192	25	26	10	102	39	294	64
11:00		36	2			26	6				
11:15		28	0			39	3				
11:30		31	3			41	10				
11:45		43	4	138	9	41	7	147	26	285	35
Total		1650	1341	1650	1341	758	2088	758	2088	2408	3429
Combined Total		2991		2991		2846		2846		5837	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	478	-	-	-	204	-	-	-	-	-
P.H.F.		0.919				0.836					
PM Peak	-	-	02:45	-	-	-	04:45	-	-	-	-
Vol.	-	-	223	-	-	-	423	-	-	-	-
P.H.F.			0.697				0.846				
Percentage		55.2%	44.8%			26.6%	73.4%				
ADT/AADT		ADT 5,837		AADT 5,837							

Counts Unlimited, Inc

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City of Redlands
Texas Street
B/ Redlands Boulevard - Lugonia Avenue
24 Hour Directional Volume Count

RED127
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	72			5	58				
12:15		4	74			2	54				
12:30		5	49			4	68				
12:45		5	72	17	267	4	73	15	253	32	520
01:00		2	78			3	74				
01:15		1	70			3	54				
01:30		0	82			2	66				
01:45		3	68	6	298	0	67	8	261	14	559
02:00		1	76			2	64				
02:15		4	94			3	83				
02:30		2	78			0	81				
02:45		0	96	7	344	2	61	7	289	14	633
03:00		4	124			0	73				
03:15		2	106			1	90				
03:30		5	102			0	**110**				
03:45		6	128	17	460	5	**114**	6	387	23	847
04:00		3	119			4	**78**				
04:15		5	126			4	**104**				
04:30		2	126			6	82				
04:45		6	112	16	483	11	108	25	372	41	855
05:00		5	**150**			12	84				
05:15		6	**142**			8	76				
05:30		11	**130**			22	77				
05:45		10	**131**	32	553	21	77	63	314	95	867
06:00		20	114			23	82				
06:15		14	90			28	80				
06:30		23	68			36	52				
06:45		14	86	71	358	59	66	146	280	217	638
07:00		40	60			58	72				
07:15		50	72			70	51				
07:30		35	60			108	46				
07:45		**66**	62	191	254	**144**	37	380	206	571	460
08:00		**95**	50			**110**	34				
08:15		**74**	45			**111**	50				
08:30		**68**	46			**115**	34				
08:45		56	26	293	167	87	24	423	142	716	309
09:00		51	39			63	36				
09:15		47	30			47	21				
09:30		46	31			66	14				
09:45		54	21	198	121	66	15	242	86	440	207
10:00		46	19			56	15				
10:15		52	17			69	4				
10:30		59	16			59	8				
10:45		66	12	223	64	70	9	254	36	477	100
11:00		60	10			62	9				
11:15		66	12			64	11				
11:30		80	15			65	6				
11:45		94	10	300	47	90	4	281	30	581	77
Total		1371	3416	1371	3416	1850	2656	1850	2656	3221	6072
Combined Total		4787		4787		4506		4506		9293	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	303	-	-	-	480	-	-	-	-	-
P.H.F.		0.797				0.833					
PM Peak	-	-	05:00	-	-	-	03:30	-	-	-	-
Vol.	-	-	553	-	-	-	406	-	-	-	-
P.H.F.			0.922				0.890				
Percentage		28.6%	71.4%			41.1%	58.9%				
ADT/AADT		ADT 9,293		AADT 9,293							

Counts Unlimited, Inc

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City of Redlands
Texas Street
B/ Lugonia Avenue - San Bernardino Avenue
24 Hour Directional Volume Count

RED128
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	30			2	23				
12:15		1	42			1	36				
12:30		7	28			3	32				
12:45		4	50	17	150	3	45	9	136	26	286
01:00		3	27			2	34				
01:15		3	28			4	42				
01:30		0	38			0	34				
01:45		2	42	8	135	4	42	10	152	18	287
02:00		1	43			1	31				
02:15		3	58			4	48				
02:30		2	45			2	37				
02:45		2	66	8	212	3	46	10	162	18	374
03:00		2	68			1	**41**				
03:15		5	72			2	**76**				
03:30		7	60			0	**124**				
03:45		8	57	22	257	3	**68**	6	309	28	566
04:00		3	49			2	40				
04:15		9	60			3	51				
04:30		13	**70**			4	56				
04:45		5	**55**	30	234	7	66	16	213	46	447
05:00		7	**70**			6	49				
05:15		6	**72**			5	56				
05:30		18	56			7	50				
05:45		6	48	37	246	7	76	25	231	62	477
06:00		13	68			20	54				
06:15		18	62			14	52				
06:30		15	38			9	43				
06:45		35	52	81	220	27	57	70	206	151	426
07:00		43	48			28	42				
07:15		36	34			34	28				
07:30		40	43			62	24				
07:45		**68**	28	187	153	**56**	20	180	114	367	267
08:00		**99**	32			**74**	23				
08:15		**69**	25			**88**	19				
08:30		**42**	28			**82**	20				
08:45		36	24	246	109	51	14	295	76	541	185
09:00		22	19			36	17				
09:15		31	13			30	10				
09:30		32	9			36	2				
09:45		35	10	120	51	34	9	136	38	256	89
10:00		22	10			16	8				
10:15		32	7			30	9				
10:30		29	10			24	3				
10:45		23	7	106	34	32	5	102	25	208	59
11:00		34	4			21	4				
11:15		35	6			24	7				
11:30		34	4			34	3				
11:45		24	8	127	22	30	6	109	20	236	42
Total		989	1823	989	1823	968	1682	968	1682	1957	3505
Combined Total		2812		2812		2650		2650		5462	
AM Peak	-	07:45	-	-	-	07:45	-	-	-	-	-
Vol.	-	278	-	-	-	300	-	-	-	-	-
P.H.F.		0.702				0.852					
PM Peak	-	-	04:30	-	-	-	03:00	-	-	-	-
Vol.	-	-	267	-	-	-	309	-	-	-	-
P.H.F.			0.927				0.623				
Percentage		35.2%	64.8%			36.5%	63.5%				
ADT/AADT		ADT 5,462		AADT 5,462							

Counts Unlimited, Inc

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City of Redlands
Texas Street
B/ San Bernardino Avenue - Domestic Avenue
24 Hour Directional Volume Count

RED129
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		5	37			0	34				
12:15		5	34			3	45				
12:30		6	34			1	35				
12:45		5	38	21	143	0	32	4	146	25	289
01:00		6	31			9	36				
01:15		0	27			2	37				
01:30		3	32			1	32				
01:45		4	37	13	127	1	35	13	140	26	267
02:00		1	49			2	35				
02:15		0	45			3	71				
02:30		0	49			0	39				
02:45		1	56	2	199	1	36	6	181	8	380
03:00		2	**82**			4	29				
03:15		1	**118**			2	**173**				
03:30		6	**67**			3	**87**				
03:45		3	**59**	12	326	4	**57**	13	346	25	672
04:00		4	54			3	**42**				
04:15		2	56			9	58				
04:30		4	41			7	58				
04:45		4	58	14	209	6	50	25	208	39	417
05:00		3	47			6	44				
05:15		4	57			7	53				
05:30		15	51			10	45				
05:45		15	60	37	215	20	42	43	184	80	399
06:00		17	65			17	66				
06:15		13	34			13	44				
06:30		27	35			26	55				
06:45		32	34	89	168	33	35	89	200	178	368
07:00		34	48			48	32				
07:15		42	43			60	25				
07:30		**64**	41			65	32				
07:45		**90**	48	230	180	**79**	30	252	119	482	299
08:00		**161**	76			**102**	42				
08:15		**175**	35			**202**	21				
08:30		52	28			**79**	12				
08:45		27	34	415	173	38	15	421	90	836	263
09:00		31	17			28	24				
09:15		32	17			41	11				
09:30		26	7			32	14				
09:45		56	10	145	51	27	7	128	56	273	107
10:00		32	14			24	3				
10:15		32	11			40	13				
10:30		29	7			32	3				
10:45		25	11	118	43	23	2	119	21	237	64
11:00		28	4			31	4				
11:15		28	2			46	4				
11:30		28	7			42	4				
11:45		36	4	120	17	27	0	146	12	266	29
Total		1216	1851	1216	1851	1259	1703	1259	1703	2475	3554
Combined Total		3067		3067		2962		2962		6029	
AM Peak	-	07:30	-	-	-	07:45	-	-	-	-	-
Vol.	-	490	-	-	-	462	-	-	-	-	-
P.H.F.		0.700				0.572					
PM Peak	-	-	03:00	-	-	-	03:15	-	-	-	-
Vol.	-	-	326	-	-	-	359	-	-	-	-
P.H.F.			0.691				0.519				
Percentage		39.6%	60.4%			42.5%	57.5%				
ADT/AADT		ADT 6,029		AADT 6,029							

Counts Unlimited, Inc

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City of Redlands
University Street
B/ Cypress Avenue - Colton Avenue
24 Hour Directional Volume Count

RED130
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		22	82			24	112				
12:15		31	109			10	128				
12:30		28	107			16	98				
12:45		27	116	108	414	14	100	64	438	172	852
01:00		20	108			11	102				
01:15		13	98			7	122				
01:30		20	108			15	130				
01:45		14	108	67	422	10	96	43	450	110	872
02:00		12	106			8	104				
02:15		8	**110**			12	119				
02:30		15	**109**			14	121				
02:45		13	**150**	48	475	6	105	40	449	88	924
03:00		13	**132**			16	100				
03:15		10	107			24	130				
03:30		9	106			38	136				
03:45		13	100	45	445	40	131	118	497	163	942
04:00		11	100			39	164				
04:15		12	110			51	150				
04:30		19	78			66	123				
04:45		24	92	66	380	80	118	236	555	302	935
05:00		27	78			79	130				
05:15		32	97			96	142				
05:30		38	103			117	109				
05:45		39	111	136	389	116	134	408	515	544	904
06:00		46	114			112	130				
06:15		52	122			130	134				
06:30		64	127			**189**	152				
06:45		58	116	220	479	**174**	**180**	605	596	825	1075
07:00		80	130			**162**	**241**				
07:15		94	110			**157**	**205**				
07:30		126	110			162	**154**				
07:45		138	120	438	470	168	151	649	751	1087	1221
08:00		151	94			154	147				
08:15		126	97			160	130				
08:30		**130**	96			120	103				
08:45		**108**	89	515	376	136	72	570	452	1085	828
09:00		**174**	111			165	65				
09:15		**142**	87			150	68				
09:30		90	78			126	53				
09:45		80	98	486	374	108	33	549	219	1035	593
10:00		80	72			115	52				
10:15		80	48			110	42				
10:30		108	36			82	40				
10:45		84	42	352	198	108	40	415	174	767	372
11:00		94	44			112	18				
11:15		89	34			102	20				
11:30		100	37			116	21				
11:45		94	33	377	148	113	28	443	87	820	235
Total		2858	4570	2858	4570	4140	5183	4140	5183	6998	9753
Combined Total		7428		7428		9323		9323		16751	
AM Peak	-	08:30	-	-	-	06:30	-	-	-	-	-
Vol.	-	554	-	-	-	682	-	-	-	-	-
P.H.F.		0.796				0.902					
PM Peak	-	-	02:15	-	-	-	06:45	-	-	-	-
Vol.	-	-	501	-	-	-	780	-	-	-	-
P.H.F.			0.835				0.809				
Percentage		38.5%	61.5%			44.4%	55.6%				
ADT/AADT		ADT 16,751		AADT 16,751							

Counts Unlimited, Inc

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City of Redlands
University Street
B/ Colton Avenue - Lugonia Avenue
24 Hour Directional Volume Count

RED131
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		17	80			15	64				
12:15		18	90			7	68				
12:30		17	66			7	64				
12:45		17	76	69	312	10	63	39	259	108	571
01:00		14	72			7	80				
01:15		9	80			2	78				
01:30		14	88			8	83				
01:45		3	81	40	321	6	70	23	311	63	632
02:00		8	**93**			4	79				
02:15		4	**81**			8	74				
02:30		7	**101**			13	64				
02:45		6	**108**	25	383	5	63	30	280	55	663
03:00		4	88			10	64				
03:15		9	84			15	**88**				
03:30		6	83			24	**88**				
03:45		8	82	27	337	22	**81**	71	321	98	658
04:00		7	72			20	**80**				
04:15		6	91			31	78				
04:30		16	67			42	83				
04:45		17	72	46	302	50	87	143	328	189	630
05:00		14	86			46	89				
05:15		27	76			59	64				
05:30		18	89			73	62				
05:45		31	88	90	339	74	88	252	303	342	642
06:00		33	88			60	78				
06:15		30	92			78	80				
06:30		40	76			98	72				
06:45		25	90	128	346	104	60	340	290	468	636
07:00		50	87			97	77				
07:15		55	102			**126**	80				
07:30		**100**	84			**118**	44				
07:45		**86**	100	291	373	**102**	48	443	249	734	622
08:00		**51**	67			**102**	51				
08:15		**73**	63			104	67				
08:30		70	78			69	37				
08:45		47	76	241	284	95	46	370	201	611	485
09:00		58	68			82	42				
09:15		60	72			93	34				
09:30		43	53			83	21				
09:45		50	60	211	253	78	29	336	126	547	379
10:00		61	59			84	31				
10:15		48	54			86	32				
10:30		68	25			70	20				
10:45		74	24	251	162	67	23	307	106	558	268
11:00		62	32			59	14				
11:15		69	24			64	16				
11:30		86	27			75	12				
11:45		52	18	269	101	72	18	270	60	539	161
Total		1688	3513	1688	3513	2624	2834	2624	2834	4312	6347
Combined Total		5201		5201		5458		5458		10659	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	310	-	-	-	448	-	-	-	-	-
P.H.F.		0.775				0.889					
PM Peak	-	-	02:00	-	-	-	03:15	-	-	-	-
Vol.	-	-	383	-	-	-	337	-	-	-	-
P.H.F.			0.887				0.957				
Percentage		32.5%	67.5%			48.1%	51.9%				
ADT/AADT		ADT 10,659		AADT 10,659							

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City of Redlands
University Street
B/ Lugonia Avenue - San Bernardino Avenue
24 Hour Directional Volume Count

RED132
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	9			2	6				
12:15		2	18			2	10				
12:30		2	4			4	16				
12:45		0	12	4	43	1	10	9	42	13	85
01:00		0	10			1	15				
01:15		1	6			0	13				
01:30		2	12			0	17				
01:45		1	11	4	39	0	8	1	53	5	92
02:00		1	18			0	10				
02:15		0	14			0	16				
02:30		0	11			3	15				
02:45		0	**24**	1	67	0	20	3	61	4	128
03:00		0	**26**			0	12				
03:15		1	**26**			0	26				
03:30		2	**25**			2	26				
03:45		0	11	3	88	4	20	6	84	9	172
04:00		0	12			2	14				
04:15		1	14			2	20				
04:30		2	14			3	**27**				
04:45		1	19	4	59	4	**24**	11	85	15	144
05:00		1	16			3	**18**				
05:15		3	13			4	**21**				
05:30		0	18			7	20				
05:45		5	20	9	67	6	22	20	81	29	148
06:00		3	18			8	18				
06:15		3	22			7	17				
06:30		6	17			11	21				
06:45		6	13	18	70	14	14	40	70	58	140
07:00		10	18			12	18				
07:15		16	25			16	14				
07:30		**22**	14			**36**	10				
07:45		**17**	14	65	71	**21**	8	85	50	150	121
08:00		**16**	15			**31**	15				
08:15		**29**	10			**29**	7				
08:30		19	12			23	4				
08:45		10	9	74	46	24	6	107	32	181	78
09:00		10	14			16	11				
09:15		6	13			18	6				
09:30		12	10			17	2				
09:45		6	4	34	41	6	4	57	23	91	64
10:00		13	16			10	0				
10:15		10	12			12	4				
10:30		8	6			14	4				
10:45		9	2	40	36	12	6	48	14	88	50
11:00		10	4			3	2				
11:15		11	5			9	2				
11:30		18	4			12	5				
11:45		11	6	50	19	13	0	37	9	87	28
Total		306	646	306	646	424	604	424	604	730	1250
Combined Total		952		952		1028		1028		1980	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	84	-	-	-	117	-	-	-	-	-
P.H.F.		0.724				0.813					
PM Peak	-	-	02:45	-	-	-	04:30	-	-	-	-
Vol.	-	-	101	-	-	-	90	-	-	-	-
P.H.F.			0.971				0.833				
Percentage		32.1%	67.9%			41.2%	58.8%				
ADT/AADT		ADT 1,980		AADT 1,980							

Counts Unlimited, Inc

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City of Redlands
Via Vista Drive
B/ Country Club Drive - Helena Lane
24 Hour Directional Volume Count

RED133
Site Code: 105-24810

Start Time	9/24/24 Tue	Eastbound Morning	Eastbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Westbound Morning	Westbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	2			0	2				
12:15		0	2			0	1				
12:30		0	1			0	3				
12:45		0	2	0	7	0	0	0	6	0	13
01:00		0	0			0	1				
01:15		0	1			0	0				
01:30		0	0			0	2				
01:45		0	4	0	5	0	3	0	6	0	11
02:00		0	3			0	0				
02:15		0	1			0	2				
02:30		0	2			0	4				
02:45		0	4	0	10	0	1	0	7	0	17
03:00		0	2			0	2				
03:15		0	4			0	3				
03:30		0	2			0	3				
03:45		0	4	0	12	0	0	0	8	0	20
04:00		0	1			0	2				
04:15		0	3			0	2				
04:30		0	1			0	**1**				
04:45		0	**2**	0	7	0	**2**	0	7	0	14
05:00		0	**4**			0	**4**				
05:15		0	**4**			0	**4**				
05:30		0	**6**			0	0				
05:45		1	2	1	16	0	1	0	9	1	25
06:00		0	1			0	0				
06:15		0	1			1	2				
06:30		0	6			0	1				
06:45		1	2	1	10	1	2	2	5	3	15
07:00		2	2			0	0				
07:15		0	2			4	0				
07:30		0	0			4	2				
07:45		0	0	2	4	0	1	8	3	10	7
08:00		4	1			**3**	0				
08:15		2	2			**4**	1				
08:30		0	1			**3**	0				
08:45		2	0	8	4	**4**	1	14	2	22	6
09:00		2	0			2	0				
09:15		0	2			2	0				
09:30		1	0			1	1				
09:45		0	0	3	2	0	0	5	1	8	3
10:00		1	1			3	0				
10:15		2	0			0	0				
10:30		5	0			2	0				
10:45		1	0	9	1	1	0	6	0	15	1
11:00		**0**	2			2	0				
11:15		**8**	0			5	0				
11:30		**6**	0			2	1				
11:45		**2**	0	16	2	0	0	9	1	25	3
Total		40	80	40	80	44	55	44	55	84	135
Combined Total		120		120		99		99		219	
AM Peak	-	11:00	-	-	-	08:00	-	-	-	-	-
Vol.	-	16	-	-	-	14	-	-	-	-	-
P.H.F.		0.500				0.875					
PM Peak	-	-	04:45	-	-	-	04:30	-	-	-	-
Vol.	-	-	16	-	-	-	11	-	-	-	-
P.H.F.			0.667				0.688				
Percentage		33.3%	66.7%			44.4%	55.6%				
ADT/AADT		ADT 219		AADT 219							

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City of Redlands
Wabash Avenue
B/ Fifth Avenue - Citrus Avenue
24 Hour Directional Volume Count

RED134
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	32			2	32				
12:15		3	18			0	36				
12:30		0	24			0	45				
12:45		1	32	6	106	1	36	3	149	9	255
01:00		1	30			0	35				
01:15		0	34			0	25				
01:30		0	32			0	38				
01:45		1	23	2	119	2	22	2	120	4	239
02:00		2	44			0	32				
02:15		1	26			2	45				
02:30		0	31			1	31				
02:45		0	37	3	138	2	45	5	153	8	291
03:00		0	34			1	47				
03:15		1	**55**			0	55				
03:30		0	**52**			1	62				
03:45		2	**51**	3	192	4	60	6	224	9	416
04:00		0	**41**			1	68				
04:15		2	32			1	58				
04:30		4	40			2	**72**				
04:45		4	54	10	167	1	**73**	5	271	15	438
05:00		3	35			2	**81**				
05:15		5	34			5	**71**				
05:30		5	21			7	61				
05:45		9	40	22	130	20	71	34	284	56	414
06:00		8	38			14	63				
06:15		13	38			10	46				
06:30		10	40			14	57				
06:45		17	36	48	152	22	44	60	210	108	362
07:00		22	27			28	37				
07:15		41	24			28	37				
07:30		**64**	32			**39**	25				
07:45		**86**	13	213	96	**52**	32	147	131	360	227
08:00		**68**	21			**46**	20				
08:15		**70**	36			**49**	23				
08:30		42	28			32	33				
08:45		41	17	221	102	19	15	146	91	367	193
09:00		30	13			30	15				
09:15		24	16			34	10				
09:30		22	8			42	10				
09:45		32	11	108	48	31	12	137	47	245	95
10:00		25	13			27	7				
10:15		22	8			25	10				
10:30		24	8			36	8				
10:45		30	4	101	33	21	2	109	27	210	60
11:00		21	4			28	4				
11:15		36	5			27	6				
11:30		27	2			30	0				
11:45		32	1	116	12	35	1	120	11	236	23
Total		853	1295	853	1295	774	1718	774	1718	1627	3013
Combined Total		2148		2148		2492		2492		4640	
AM Peak	-	07:30	-	-	-	07:30	-	-	-	-	-
Vol.	-	288	-	-	-	186	-	-	-	-	-
P.H.F.		0.837				0.894					
PM Peak	-	-	03:15	-	-	-	04:30	-	-	-	-
Vol.	-	-	199	-	-	-	297	-	-	-	-
P.H.F.			0.905				0.917				
Percentage		39.7%	60.3%			31.1%	68.9%				
ADT/AADT		ADT 4,640		AADT 4,640							

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City of Redlands
Wabash Avenue
B/ Citrus Avenue - Colton Avenue
24 Hour Directional Volume Count

RED135
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		8	46			3	44				
12:15		7	35			4	39				
12:30		0	44			1	52				
12:45		2	34	17	159	1	52	9	187	26	346
01:00		7	39			0	33				
01:15		1	31			6	49				
01:30		3	35			0	47				
01:45		1	30	12	135	1	75	7	204	19	339
02:00		1	**99**			1	58				
02:15		1	**77**			2	52				
02:30		0	**52**			1	51				
02:45		0	**40**	2	268	2	48	6	209	8	477
03:00		2	46			0	56				
03:15		4	61			1	56				
03:30		6	66			3	87				
03:45		6	60	18	233	1	63	5	262	23	495
04:00		8	46			3	72				
04:15		2	61			1	54				
04:30		8	60			5	74				
04:45		9	53	27	220	1	67	10	267	37	487
05:00		7	62			3	64				
05:15		7	56			9	**77**				
05:30		12	68			10	**80**				
05:45		11	52	37	238	12	**77**	34	298	71	536
06:00		17	66			21	**69**				
06:15		17	47			21	58				
06:30		21	37			18	62				
06:45		31	39	86	189	17	54	77	243	163	432
07:00		36	49			35	60				
07:15		42	49			**52**	37				
07:30		**66**	49			**91**	39				
07:45		**81**	41	225	188	**105**	43	283	179	508	367
08:00		**93**	26			**40**	43				
08:15		**50**	28			33	46				
08:30		31	22			32	27				
08:45		28	24	202	100	40	25	145	141	347	241
09:00		46	10			33	24				
09:15		34	17			29	29				
09:30		29	14			41	12				
09:45		40	13	149	54	37	12	140	77	289	131
10:00		32	13			35	19				
10:15		40	13			22	13				
10:30		37	5			28	6				
10:45		26	6	135	37	42	16	127	54	262	91
11:00		33	11			37	5				
11:15		33	7			43	3				
11:30		49	5			38	7				
11:45		44	4	159	27	27	3	145	18	304	45
Total		1069	1848	1069	1848	988	2139	988	2139	2057	3987
Combined Total		2917		2917		3127		3127		6044	
AM Peak	-	07:30	-	-	-	07:15	-	-	-	-	-
Vol.	-	290	-	-	-	288	-	-	-	-	-
P.H.F.		0.780				0.686					
PM Peak	-	-	02:00	-	-	-	05:15	-	-	-	-
Vol.	-	-	268	-	-	-	303	-	-	-	-
P.H.F.			0.677				0.947				
Percentage		36.6%	63.4%			31.6%	68.4%				
ADT/AADT		ADT 6,044		AADT 6,044							

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City of Redlands
Wabash Avenue
B/ Colton Avenue - Sessums Drive
24 Hour Directional Volume Count

RED136
Site Code: 105-24810

Start Time	9/26/24 Thu	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	64			11	65				
12:15		1	66			5	72				
12:30		2	84			3	89				
12:45		5	73	10	287	2	79	21	305	31	592
01:00		5	62			4	62				
01:15		3	59			7	91				
01:30		4	49			3	73				
01:45		2	73	14	243	2	81	16	307	30	550
02:00		1	63			2	86				
02:15		2	108			2	92				
02:30		1	95			2	100				
02:45		3	68	7	334	2	109	8	387	15	721
03:00		2	73			1	117				
03:15		2	91			4	146				
03:30		4	**168**			3	**160**				
03:45		5	**95**	13	427	4	**157**	12	580	25	1007
04:00		9	**87**			3	**146**				
04:15		5	**94**			5	**153**				
04:30		13	94			10	124				
04:45		25	89	52	364	7	126	25	549	77	913
05:00		8	104			2	145				
05:15		19	95			6	133				
05:30		17	109			15	127				
05:45		18	79	62	387	19	127	42	532	104	919
06:00		25	122			25	96				
06:15		24	70			33	110				
06:30		28	64			39	90				
06:45		48	69	125	325	31	91	128	387	253	712
07:00		49	68			38	103				
07:15		65	64			58	81				
07:30		76	72			**72**	65				
07:45		**94**	50	284	254	**108**	69	276	318	560	572
08:00		**114**	49			**102**	63				
08:15		**132**	48			**99**	70				
08:30		**80**	40			57	58				
08:45		51	28	377	165	53	46	311	237	688	402
09:00		65	24			70	43				
09:15		67	46			57	34				
09:30		51	32			60	19				
09:45		61	29	244	131	51	24	238	120	482	251
10:00		52	28			45	29				
10:15		58	22			41	23				
10:30		50	11			49	10				
10:45		53	12	213	73	64	20	199	82	412	155
11:00		51	12			57	9				
11:15		58	6			66	6				
11:30		63	10			57	9				
11:45		61	5	233	33	74	6	254	30	487	63
Total		1634	3023	1634	3023	1530	3834	1530	3834	3164	6857
Combined Total		4657		4657		5364		5364		10021	
AM Peak	-	07:45	-	-	-	07:30	-	-	-	-	-
Vol.	-	420	-	-	-	381	-	-	-	-	-
P.H.F.		0.795				0.882					
PM Peak	-	-	03:30	-	-	-	03:30	-	-	-	-
Vol.	-	-	444	-	-	-	616	-	-	-	-
P.H.F.			0.661				0.963				
Percentage		35.1%	64.9%			28.5%	71.5%				
ADT/AADT		ADT 10,021		AADT 10,021							

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City of Redlands
Wabash Avenue
B/ Fifth Avenue - Panorama Drive
24 Hour Directional Volume Count

RED137
Site Code: 105-24810

Start Time	9/25/24 Wed	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		1	3			3	4				
12:15		1	6			0	8				
12:30		0	6			0	6				
12:45		0	10	2	25	0	10	3	28	5	53
01:00		0	2			0	5				
01:15		0	5			1	0				
01:30		0	1			0	6				
01:45		0	5	0	13	0	7	1	18	1	31
02:00		0	4			0	6				
02:15		0	5			1	3				
02:30		0	3			0	8				
02:45		0	**10**	0	22	0	**8**	1	25	1	47
03:00		0	**6**			0	**10**				
03:15		0	**10**			0	**7**				
03:30		0	**14**			0	**9**				
03:45		0	5	0	35	0	2	0	28	0	63
04:00		0	8			0	8				
04:15		0	12			0	5				
04:30		1	4			0	8				
04:45		1	7	2	31	0	6	0	27	2	58
05:00		0	0			0	4				
05:15		2	4			0	2				
05:30		2	4			0	8				
05:45		1	2	5	10	0	1	0	15	5	25
06:00		1	4			2	8				
06:15		2	6			2	5				
06:30		2	5			2	7				
06:45		6	10	11	25	3	3	9	23	20	48
07:00		6	9			9	6				
07:15		9	3			2	1				
07:30		2	1			3	5				
07:45		**6**	2	23	15	5	5	19	17	42	32
08:00		**10**	3			**6**	8				
08:15		**14**	4			**9**	4				
08:30		**9**	3			**6**	5				
08:45		4	0	37	10	**8**	1	29	18	66	28
09:00		4	1			4	2				
09:15		4	0			6	3				
09:30		6	0			9	2				
09:45		7	2	21	3	4	3	23	10	44	13
10:00		4	0			3	1				
10:15		6	0			8	0				
10:30		3	0			4	2				
10:45		8	0	21	0	1	1	16	4	37	4
11:00		4	0			6	0				
11:15		5	0			1	0				
11:30		5	0			4	1				
11:45		7	2	21	2	5	0	16	1	37	3
Total		143	191	143	191	117	214	117	214	260	405
Combined Total		334		334		331		331		665	
AM Peak	-	07:45	-	-	-	08:00	-	-	-	-	-
Vol.	-	39	-	-	-	29	-	-	-	-	-
P.H.F.		0.696				0.806					
PM Peak	-	-	02:45	-	-	-	02:45	-	-	-	-
Vol.	-	-	40	-	-	-	34	-	-	-	-
P.H.F.			0.714				0.850				
Percentage		42.8%	57.2%			35.3%	64.7%				
ADT/AADT		ADT 665		AADT 665							

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City of Redlands
Wabash Avenue
B/ Reservoir Road - Palo Alto Drive
24 Hour Directional Volume Count

RED138
Site Code: 105-24810

Start Time	9/24/24 Tue	Northbound Morning	Northbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Southbound Morning	Southbound Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	14			1	7				
12:15		2	22			0	17				
12:30		1	13			0	12				
12:45		2	14	8	63	0	14	1	50	9	113
01:00		0	19			1	29				
01:15		1	9			0	**20**				
01:30		1	18			0	**25**				
01:45		2	**15**	4	61	0	**52**	1	126	5	187
02:00		2	**68**			2	**46**				
02:15		0	**78**			0	10				
02:30		0	**20**			0	14				
02:45		0	15	2	181	0	13	2	83	4	264
03:00		0	20			0	18				
03:15		2	20			2	21				
03:30		0	30			0	27				
03:45		0	28	2	98	0	15	2	81	4	179
04:00		1	15			0	16				
04:15		0	22			0	11				
04:30		2	18			0	12				
04:45		4	25	7	80	0	24	0	63	7	143
05:00		4	18			1	14				
05:15		4	27			0	14				
05:30		2	14			0	16				
05:45		4	20	14	79	2	14	3	58	17	137
06:00		6	16			2	14				
06:15		7	14			2	8				
06:30		13	12			5	16				
06:45		16	20	42	62	4	14	13	52	55	114
07:00		20	14			**18**	14				
07:15		24	20			**32**	8				
07:30		**73**	18			**64**	9				
07:45		**87**	13	204	65	**47**	6	161	37	365	102
08:00		**73**	10			10	8				
08:15		**30**	11			8	9				
08:30		28	10			20	6				
08:45		16	10	147	41	14	10	52	33	199	74
09:00		20	4			8	10				
09:15		18	5			4	4				
09:30		26	8			16	4				
09:45		18	4	82	21	12	4	40	22	122	43
10:00		20	6			8	0				
10:15		15	5			20	3				
10:30		17	2			14	0				
10:45		20	0	72	13	7	0	49	3	121	16
11:00		14	4			11	2				
11:15		14	2			8	2				
11:30		21	2			28	0				
11:45		22	1	71	9	9	0	56	4	127	13
Total		655	773	655	773	380	612	380	612	1035	1385
Combined Total		1428		1428		992		992		2420	
AM Peak	-	07:30	-	-	-	07:00	-	-	-	-	-
Vol.	-	263	-	-	-	161	-	-	-	-	-
P.H.F.		0.756				0.629					
PM Peak	-	-	01:45	-	-	-	01:15	-	-	-	-
Vol.	-	-	181	-	-	-	143	-	-	-	-
P.H.F.			0.580				0.688				
Percentage		45.9%	54.1%			38.3%	61.7%				
ADT/AADT		ADT 2,420		AADT 2,420							

Appendix D
E&TS Traffic Conditions Forms

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**1**
Roadway Segment:	**Alabama Street**
From:	**Barton Road to Park Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.82
Roadway Width (feet):	64 - 104
Lane Configuration:	4 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	14,254

Speed Characteristics:

85th percentile Speed (mph):	46
Average Speed (mph):	42
50th Percentile Speed (mph):	42
Range of Speeds (mph):	35 - 51
10 MPH Pace Speed (mph):	38 - 47
Percent in 10 MPH Pace:	83%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	21
Total Collision Rate per MVMT[1]:	1.42
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• High accident rate • Consistency with the adjacent roadway segment speed limit



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**2**
Roadway Segment:	**Alabama Street**
From:	**Park Avenue to Lugonia Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.76
Roadway Width (feet):	64 - 84
Lane Configuration:	4 lanes, divided
Median Type:	Painted/Raised
On Street Parking:	No
Speed Limit (mph):	35
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	18,050

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • High accident rate • Presence of crosswalks

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	33 - 48
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	67
Total Collision Rate per MVMT[1]:	3.88
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

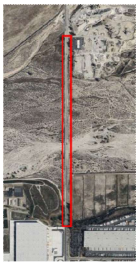
Jurisdiction:	**City of Redlands**
Roadway Number:	**3**
Roadway Segment:	**Alabama Street**
From:	**City Limit South Of Santa Ana River to City Limit Line North Of Santa Ana River**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.87
Roadway Width (feet):	26
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	55
Adjacent Land Uses:	Vacant
Frequency of Driveways:	None
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	16,422

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	55
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	59
Average Speed (mph):	53
50th Percentile Speed (mph):	54
Range of Speeds (mph):	44 - 65
10 MPH Pace Speed (mph):	48 - 57
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	55

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	0.49
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**4**
Roadway Segment:	**Alessandro Road**
From:	**Crescent Avenue to Sunset Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.40
Roadway Width (feet):	36 - 50
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	No
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	7,045

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	29 - 49
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	1.25
Caltrans Collision Rate:	No



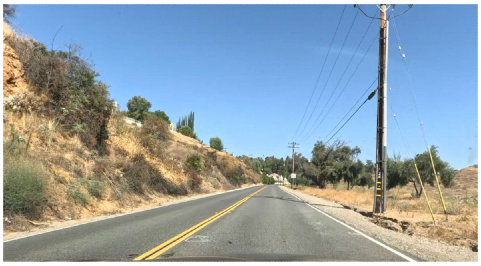
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**5**
Roadway Segment:	**Alessandro Road**
From:	**Sunset Drive to Creekside Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.80
Roadway Width (feet):	26 - 30
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Vacant
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6,448

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	39
50th Percentile Speed (mph):	39
Range of Speeds (mph):	31 - 49
10 MPH Pace Speed (mph):	36 - 45
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.46
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**6**
Roadway Segment:	**Alessandro Road**
From:	**Creekside Drive to San Timoteo Canyon Road**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.27
Roadway Width (feet):	26 - 30
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	35
Adjacent Land Uses:	Vacant
Frequency of Driveways:	None
Sidewalks Present:	No
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,410

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Railroad Crossing

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	36
Average Speed (mph):	32
50th Percentile Speed (mph):	32
Range of Speeds (mph):	21 - 42
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	77%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.68
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**7**
Roadway Segment:	**Alta Vista Drive**
From:	**Florida Street to Sunset Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.66
Roadway Width (feet):	26 - 50
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	2,722

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment

Speed Characteristics:

85th percentile Speed (mph):	42
Average Speed (mph):	37
50th Percentile Speed (mph):	37
Range of Speeds (mph):	28 - 46
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	73%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	2
Total Collision Rate per MVMT[1]:	0.9
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**8**
Roadway Segment:	**Barton Road**
From:	**West City Limit to Terracina Boulevard**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.26
Roadway Width (feet):	82 - 88
Lane Configuration:	4 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	23,882

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• High accident rate

Speed Characteristics:

85th percentile Speed (mph):	46
Average Speed (mph):	43
50th Percentile Speed (mph):	42
Range of Speeds (mph):	35 - 52
10 MPH Pace Speed (mph):	38 - 47
Percent in 10 MPH Pace:	84%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	11
Total Collision Rate per MVMT[1]:	1.79
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**9**
Roadway Segment:	**Barton Road**
From:	**Terracina Boulevard to Alabama Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.33
Roadway Width (feet):	86 - 88
Lane Configuration:	4 lanes, divided
Median Type:	Raised
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	16,672

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• High accident rate • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	46
Average Speed (mph):	41
50th Percentile Speed (mph):	40
Range of Speeds (mph):	32 - 52
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	75%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	7
Total Collision Rate per MVMT[1]:	1.18
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**10**
Roadway Segment:	**Barton Road**
From:	**Alabama Street to Lakeside Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.40
Roadway Width (feet):	86 - 88
Lane Configuration:	4 lanes, divided
Median Type:	Raised
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	15,573

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	45
Average Speed (mph):	41
50th Percentile Speed (mph):	41
Range of Speeds (mph):	34 - 52
10 MPH Pace Speed (mph):	36 - 45
Percent in 10 MPH Pace:	82%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	10
Total Collision Rate per MVMT[1]:	1.42
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**11**
Roadway Segment:	**Brockton Avenue**
From:	**New York Street to Texas Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.25
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	30
Adjacent Land Uses:	Residential & Commercial
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,041

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	36
Average Speed (mph):	30
50th Percentile Speed (mph):	31
Range of Speeds (mph):	20 - 44
10 MPH Pace Speed (mph):	26 - 35
Percent in 10 MPH Pace:	56%
Posted Speed Limit:	30

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

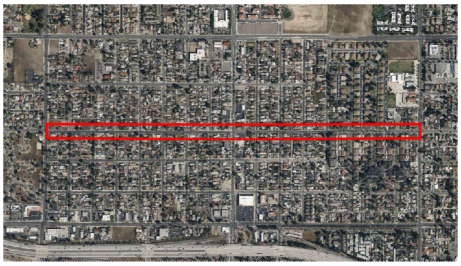
Jurisdiction:	**City of Redlands**
Roadway Number:	**12**
Roadway Segment:	**Brockton Avenue**
From:	**Texas Street to Church Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,482

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate • Presence of sidewalks • Presence of crosswalks • Presence of bikeways • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	34
50th Percentile Speed (mph):	34
Range of Speeds (mph):	24 - 45
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	71%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	26
Total Collision Rate per MVMT[1]:	8.1
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

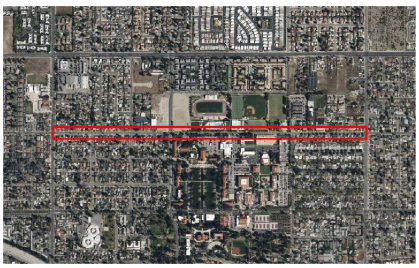
Jurisdiction:	**City of Redlands**
Roadway Number:	**13**
Roadway Segment:	**Brockton Avenue**
From:	**Church Street to Judson Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,693

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • Presence of sidewalks • Presence of crosswalks • Presence of bikeways • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	35
Average Speed (mph):	32
50th Percentile Speed (mph):	32
Range of Speeds (mph):	22 - 42
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	84%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	10
Total Collision Rate per MVMT[1]:	1.65
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

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City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

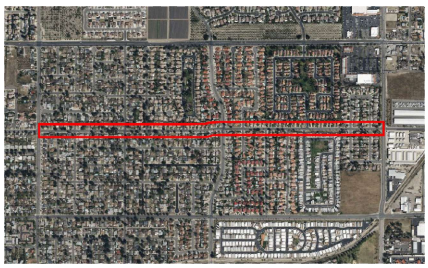
Jurisdiction:	**City of Redlands**
Roadway Number:	**14**
Roadway Segment:	**Brockton Avenue**
From:	**Judson Street to Wabash Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,394

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate • Presence of sidewalks • Presence of crosswalks • Presence of bikeways • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	36
Average Speed (mph):	32
50th Percentile Speed (mph):	32
Range of Speeds (mph):	22 - 41
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	2.91
Caltrans Collision Rate:	Yes



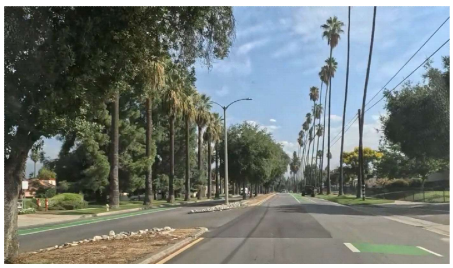
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**15**
Roadway Segment:	**Brookside Avenue**
From:	**Lakeside Avenue to Center Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	64 - 80
Lane Configuration:	2 lanes, divided
Median Type:	Painted/Raised
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	12,487

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • High accident rate • Presence of crosswalks • Presence of bikeways

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	39
50th Percentile Speed (mph):	38
Range of Speeds (mph):	30 - 48
10 MPH Pace Speed (mph):	34 - 43
Percent in 10 MPH Pace:	86%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	23
Total Collision Rate per MVMT[1]:	1.95
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**16**
Roadway Segment:	**Brookside Avenue**
From:	**Center Street to Eureka Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.37
Roadway Width (feet):	66 - 68
Lane Configuration:	2 lanes, divided
Median Type:	Raised
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential & Commercial
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	11,337

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	37
Average Speed (mph):	33
50th Percentile Speed (mph):	32
Range of Speeds (mph):	26 - 41
10 MPH Pace Speed (mph):	28 - 37
Percent in 10 MPH Pace:	85%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	1.93
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**17**
Roadway Segment:	**Cajon Street**
From:	**Vine Street to Fern Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.35
Roadway Width (feet):	50
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	30
Adjacent Land Uses:	Residential & Commercial
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	10,456

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane & Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	35
Average Speed (mph):	32
50th Percentile Speed (mph):	31
Range of Speeds (mph):	24 - 41
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	89%
Posted Speed Limit:	30

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	1
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**18**
Roadway Segment:	**Cajon Street**
From:	**Fern Avenue to Garden Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.98
Roadway Width (feet):	50
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,876

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane & Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	37
Average Speed (mph):	33
50th Percentile Speed (mph):	33
Range of Speeds (mph):	23 - 45
10 MPH Pace Speed (mph):	28 - 37
Percent in 10 MPH Pace:	82%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	20
Total Collision Rate per MVMT[1]:	2.69
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**19**
Roadway Segment:	**California Street**
From:	**Palmetto Avenue to Almond Avenue (Southboun**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	80 - 115
Lane Configuration:	4 lanes, divided
Median Type:	Raised
On Street Parking:	Limited
Speed Limit (mph):	45
Adjacent Land Uses:	Industrial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,889

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	42
Average Speed (mph):	38
50th Percentile Speed (mph):	38
Range of Speeds (mph):	27 - 49
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**20**
Roadway Segment:	**California Street**
From:	**Almond Avenue to Redlands Boulevard**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	75 - 115
Lane Configuration:	5 lanes, divided & 6 lanes, divided
Median Type:	Painted/Raised
On Street Parking:	No
Speed Limit (mph):	Not Posted
Adjacent Land Uses:	Industrial & Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	20,906

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Railroad Crossing

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Not Applicable
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	28 - 47
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	82%
Posted Speed Limit:	Not Posted

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	55
Total Collision Rate per MVMT[1]:	2.79
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

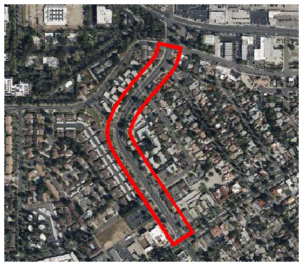
Jurisdiction:	**City of Redlands**
Roadway Number:	**21**
Roadway Segment:	**Center Street**
From:	**State Street to Brookside Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.38
Roadway Width (feet):	62 - 64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	8,917

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Truck Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	35
50th Percentile Speed (mph):	34
Range of Speeds (mph):	27 - 45
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	86%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.79
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

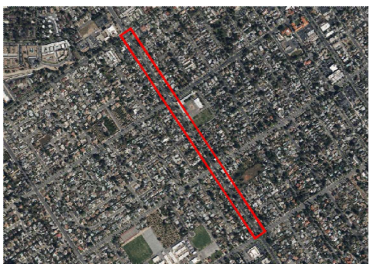
Jurisdiction:	**City of Redlands**
Roadway Number:	**22**
Roadway Segment:	**Center Street**
From:	**Brookside Avenue to Cypress Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	45
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6,070

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Truck Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	37
Average Speed (mph):	33
50th Percentile Speed (mph):	32
Range of Speeds (mph):	25 - 43
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	74%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	6
Total Collision Rate per MVMT[1]:	1.05
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**23**
Roadway Segment:	**Center Street**
From:	**Cypress Avenue to Crescent Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.66
Roadway Width (feet):	50
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6,077

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	24 - 45
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	81%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	7
Total Collision Rate per MVMT[1]:	1.41
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**24**
Roadway Segment:	**Center Street**
From:	**Crescent Avenue to Ridge Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	30 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	823

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	34
50th Percentile Speed (mph):	34
Range of Speeds (mph):	22 - 45
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	1.29
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

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City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**25**
Roadway Segment:	**Central Avenue**
From:	**University Street to Judson Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.60
Roadway Width (feet):	32 - 35
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	30
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,634

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	35
Average Speed (mph):	30
50th Percentile Speed (mph):	30
Range of Speeds (mph):	21 - 39
10 MPH Pace Speed (mph):	24 - 33
Percent in 10 MPH Pace:	72%
Posted Speed Limit:	30

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	10
Total Collision Rate per MVMT[1]:	5.18
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**26**
Roadway Segment:	**Church Street**
From:	**Pioneer Avenue to Redlands Boulevard**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.9
Roadway Width (feet):	30 - 65
Lane Configuration:	2 lanes, undivided & divided
Median Type:	Painted/Raised (Partial)
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	7,875

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane/Route & Railroad Crossing

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	36
Average Speed (mph):	333
50th Percentile Speed (mph):	34
Range of Speeds (mph):	23 - 42
10 MPH Pace Speed (mph):	28 - 37
Percent in 10 MPH Pace:	83%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	43
Total Collision Rate per MVMT[1]:	2.14
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**27**
Roadway Segment:	**Citrus Avenue**
From:	**Eureka Street to Orange Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.17
Roadway Width (feet):	63 - 68
Lane Configuration:	4 lanes, divided
Median Type:	Raised
On Street Parking:	No
Speed Limit (mph):	30
Adjacent Land Uses:	Commercial
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	10,552

Speed Characteristics:

85th percentile Speed (mph):	34
Average Speed (mph):	31
50th Percentile Speed (mph):	31
Range of Speeds (mph):	23 - 40
10 MPH Pace Speed (mph):	26 - 35
Percent in 10 MPH Pace:	85%
Posted Speed Limit:	30

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	2.16
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate



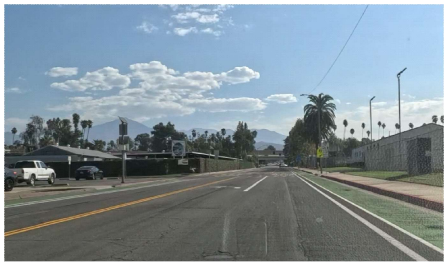
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**28**
Roadway Segment:	**Citrus Avenue**
From:	**Redlands Boulevard to University Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.51
Roadway Width (feet):	48 - 64
Lane Configuration:	2 lanes, divided
Median Type:	Painted/Raised
On Street Parking:	No
Speed Limit (mph):	30
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	9,858

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	35
Average Speed (mph):	31
50th Percentile Speed (mph):	31
Range of Speeds (mph):	23 - 39
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	84%
Posted Speed Limit:	30

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	1.5
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

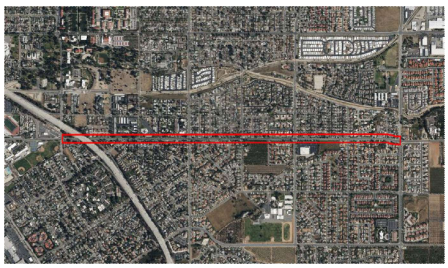
Jurisdiction:	**City of Redlands**
Roadway Number:	**29**
Roadway Segment:	**Citrus Avenue**
From:	**University Street to Wabash Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.60
Roadway Width (feet):	40 - 65
Lane Configuration:	4 lanes, undivided & 2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	9,332

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane & Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • High accident rate • Religious Facilities & Cultural Areas • Presence of sidewalks • Presence of crosswalks • Presence of bikeways

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	39
50th Percentile Speed (mph):	39
Range of Speeds (mph):	29 - 49
10 MPH Pace Speed (mph):	34 - 43
Percent in 10 MPH Pace:	80%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	21
Total Collision Rate per MVMT[1]:	1.06
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**30**
Roadway Segment:	**Colton Avenue**
From:	**Redlands Boulevard to Church Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**12/19/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.86
Roadway Width (feet):	64
Lane Configuration:	4 lanes, divided & 2 lanes, undivided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	12,117

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	28 - 46
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	76%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	5
Total Number of Collisions:	111
Total Collision Rate per MVMT[1]:	3.67
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Railroad Crossing



Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not apparent to driver • Roadside development • Parking and ped activity • High accident rate • Presence of retail • Presence of recreation • Presence of sidewalks • Presence of crosswalks

[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**31**
Roadway Segment:	**Colton Avenue**
From:	**Church Street to Grove Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**12/19/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.77
Roadway Width (feet):	45 - 48
Lane Configuration:	2 lanes, undivided & divided
Median Type:	Raised
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6,496

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	36
50th Percentile Speed (mph):	35
Range of Speeds (mph):	27 - 44
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	76%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	16
Total Collision Rate per MVMT[1]:	2.54
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development • Parking and ped activity • High accident rate • Presence of schools/university • Presence of religious / cultural areas • Presence of sidewalks • Presence of crosswalks

REGISTERED PROFESSIONAL ENGINEER
ROBERT KAHN
No. 0555
Exp. 12/31/25
TRAFFIC
STATE OF CALIFORNIA

[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**32**
Roadway Segment:	**Colton Avenue**
From:	**Grove Street to Dearborn Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**12/19/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.73
Roadway Width (feet):	48 - 64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	8,294

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	39
50th Percentile Speed (mph):	39
Range of Speeds (mph):	29 - 50
10 MPH Pace Speed (mph):	34 - 43
Percent in 10 MPH Pace:	74%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	7
Total Collision Rate per MVMT[1]:	0.92
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development • Parking and ped activity • Presence of sidewalks • Presence of crosswalks



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

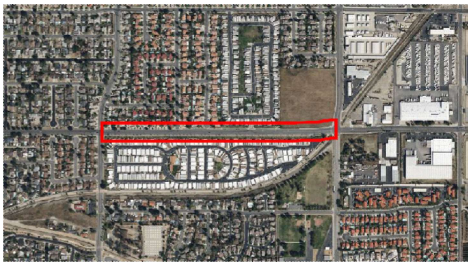
Jurisdiction:	**City of Redlands**
Roadway Number:	**33**
Roadway Segment:	**Colton Avenue**
From:	**Dearborn Street to Wabash Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.49
Roadway Width (feet):	64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	7,009

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • Parks, Multi-use Trails, & Recreational Destinations • Presence of sidewalks • Presence of crosswalks • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	49
Average Speed (mph):	43
50th Percentile Speed (mph):	43
Range of Speeds (mph):	34 - 54
10 MPH Pace Speed (mph):	37 - 46
Percent in 10 MPH Pace:	67%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.25
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**34**
Roadway Segment:	**Crescent Avenue**
From:	**Ramona Drive to Serpentine Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	32 - 44
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	Partial
Two-Way Daily Traffic Volume (ADT):	7,380

Speed Characteristics:

85th percentile Speed (mph):	37
Average Speed (mph):	33
50th Percentile Speed (mph):	32
Range of Speeds (mph):	25 - 42
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	73%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	7
Total Collision Rate per MVMT[1]:	0.73
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**35**
Roadway Segment:	**Crestview Road**
From:	**Ford Street to Buckingham Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.92
Roadway Width (feet):	36 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	30
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	503

Speed Characteristics:

85th percentile Speed (mph):	32
Average Speed (mph):	28
50th Percentile Speed (mph):	29
Range of Speeds (mph):	19 - 38
10 MPH Pace Speed (mph):	23 - 32
Percent in 10 MPH Pace:	87%
Posted Speed Limit:	30

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Prima Facie speed limit established per CVC 22352 (b)(1)



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

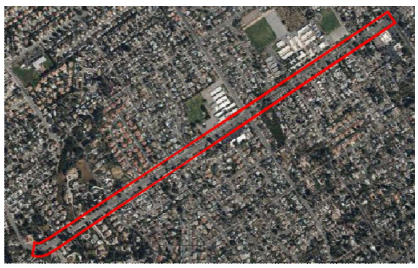
Jurisdiction:	**City of Redlands**
Roadway Number:	**36**
Roadway Segment:	**Cypress Avenue**
From:	**Terracina Boulevard to Center Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.23
Roadway Width (feet):	70
Lane Configuration:	4 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,939

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	37
50th Percentile Speed (mph):	37
Range of Speeds (mph):	27 - 45
10 MPH Pace Speed (mph):	34 - 43
Percent in 10 MPH Pace:	75%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	18
Total Collision Rate per MVMT[1]:	1.88
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

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City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**37**
Roadway Segment:	**Cypress Avenue**
From:	**Center Street to Redlands Boulevard**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.87
Roadway Width (feet):	70
Lane Configuration:	4 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	7,120

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane & Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate • Schools / Universities • Presence of sidewalks • Presence of crosswalks • Presence of bikeways

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	31 - 52
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	14
Total Collision Rate per MVMT[1]:	1.77
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

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City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**38**
Roadway Segment:	**Cypress Avenue**
From:	**Redlands Boulevard to Citrus Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.66
Roadway Width (feet):	57 - 62
Lane Configuration:	3 lanes, undivided & 4 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	8,343

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate • Religious Facilities & Cultural Areas • Presence of sidewalks • Presence of crosswalks • Presence of bikeways

Speed Characteristics:

85th percentile Speed (mph):	45
Average Speed (mph):	41
50th Percentile Speed (mph):	40
Range of Speeds (mph):	31 - 51
10 MPH Pace Speed (mph):	37 - 46
Percent in 10 MPH Pace:	80%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	14
Total Collision Rate per MVMT[1]:	2.05
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

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City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**39**
Roadway Segment:	**Dearborn Street**
From:	**5th Avenue to Colton Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.99
Roadway Width (feet):	64
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,853

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	24 - 45
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.82
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

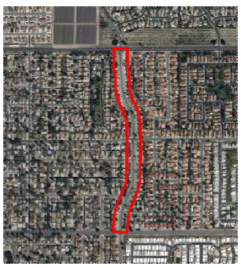
Jurisdiction:	**City of Redlands**
Roadway Number:	**40**
Roadway Segment:	**Dearborn Street**
From:	**Colton Avenue to Lugonia Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.52
Roadway Width (feet):	64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	3,196

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lanes

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	34
50th Percentile Speed (mph):	34
Range of Speeds (mph):	25 - 44
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	75%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	2
Total Collision Rate per MVMT[1]:	1.01
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

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City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**41**
Roadway Segment:	**Dearborn Street**
From:	**Lugonia Avenue to San Bernardino Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.51
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,872

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	46
Average Speed (mph):	40
50th Percentile Speed (mph):	40
Range of Speeds (mph):	26 - 51
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	62%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**42**
Roadway Segment:	**Dearborn Street**
From:	**San Bernardino Avenue to Sessums Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.36
Roadway Width (feet):	48
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Vacant
Frequency of Driveways:	None
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,772

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	33
50th Percentile Speed (mph):	33
Range of Speeds (mph):	23 - 45
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	68%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**43**
Roadway Segment:	**Elizabeth Street**
From:	**Garden Street to Crescent Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.97
Roadway Width (feet):	35 - 50
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,403

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	Yes
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	42
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	27 - 46
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	67%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	5
Total Collision Rate per MVMT[1]:	2.85
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**44**
Roadway Segment:	**Fern Avenue**
From:	**Redlands Boulevard to Cajon Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.35
Roadway Width (feet):	60
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,601

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	27 - 47
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	74%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.57
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**45**
Roadway Segment:	**Fern Avenue**
From:	**Cajon Street to Center Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	60
Lane Configuration:	2 lanes, undivided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,165

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	34
50th Percentile Speed (mph):	34
Range of Speeds (mph):	25 - 45
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	2
Total Collision Rate per MVMT[1]:	0.81
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

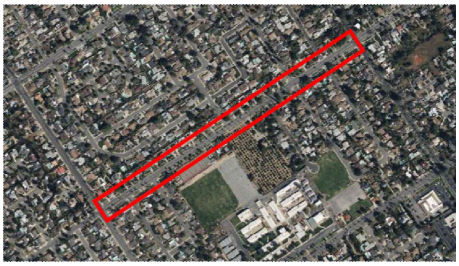
Jurisdiction:	**City of Redlands**
Roadway Number:	**46**
Roadway Segment:	**Fern Avenue**
From:	**Center Street to San Mateo Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	60
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,159

Speed Characteristics:

85th percentile Speed (mph):	42
Average Speed (mph):	37
50th Percentile Speed (mph):	37
Range of Speeds (mph):	27 - 49
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	6
Total Collision Rate per MVMT[1]:	2.43
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane



Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate • Consistency with the adjacent roadway segment speed limit

[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**47**
Roadway Segment:	**Fern Avenue**
From:	**San Mateo Street to Terracina Boulevard**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.71
Roadway Width (feet):	40 - 45
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	3,638

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	27 - 46
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	35

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	5
Total Collision Rate per MVMT[1]:	1.55
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**48**
Roadway Segment:	**Fifth Avenue**
From:	**Ford Street to Dearborn Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.52
Roadway Width (feet):	62 - 64
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	9,124

Speed Characteristics:

85th percentile Speed (mph):	47
Average Speed (mph):	43
50th Percentile Speed (mph):	42
Range of Speeds (mph):	34 - 52
10 MPH Pace Speed (mph):	38 - 47
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	2
Total Collision Rate per MVMT[1]:	0.35
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	Yes
Other:	Bike Lane



Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians

[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**49**
Roadway Segment:	**Fifth Avenue**
From:	**Dearborn Street to Wabash Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	64
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	8,427

Speed Characteristics:

85th percentile Speed (mph):	48
Average Speed (mph):	43
50th Percentile Speed (mph):	43
Range of Speeds (mph):	31 - 59
10 MPH Pace Speed (mph):	39 - 48
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	45

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.2
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Parking practices & pedestrians • Religious Facilities & Cultural Areas • Presence of sidewalks • Presence of bikeways



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**50**
Roadway Segment:	**Ford Street**
From:	**Citrus Avenue to Fifth Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.42
Roadway Width (feet):	63
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,537

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	40
50th Percentile Speed (mph):	40
Range of Speeds (mph):	31 - 49
10 MPH Pace Speed (mph):	37 - 46
Percent in 10 MPH Pace:	84%
Posted Speed Limit:	40

Collision History:

Dates Observed:	1/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.38
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**51**
Roadway Segment:	**Ford Street**
From:	**Fifth Avenue to Reservoir Road**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.55
Roadway Width (feet):	34 - 60
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Commercial
Frequency of Driveways:	None
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	8,247

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	31 - 49
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	87%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	12
Total Collision Rate per MVMT[1]:	2.19
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • High accident rate



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

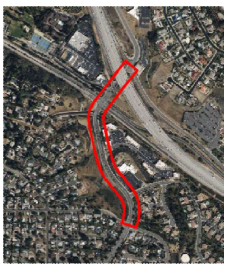
Jurisdiction:	**City of Redlands**
Roadway Number:	**52**
Roadway Segment:	**Ford Street**
From:	**Reservoir Road to Sunset Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.45
Roadway Width (feet):	64
Lane Configuration:	4 lanes, divided
Median Type:	Painted / Raised
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Commercial
Frequency of Driveways:	None
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	8,845

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	35
50th Percentile Speed (mph):	36
Range of Speeds (mph):	26 - 44
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	89%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	12
Total Collision Rate per MVMT[1]:	2.59
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**53**
Roadway Segment:	**Ford Street**
From:	**Sunset Drive to Garden Hill Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.55
Roadway Width (feet):	24 - 64
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,411

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	Yes
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	Yes
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	38
50th Percentile Speed (mph):	38
Range of Speeds (mph):	26 - 49
10 MPH Pace Speed (mph):	34 - 43
Percent in 10 MPH Pace:	73%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**54**
Roadway Segment:	**Franklin Avenue**
From:	**Eucalyptus Drive to Oak Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.48
Roadway Width (feet):	39
Lane Configuration:	2 lanes, undivided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	792

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate • Prima Facie speed limit established per CVC 22352 (b)(1) • Presence of sidewalks

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	32
50th Percentile Speed (mph):	31
Range of Speeds (mph):	22 - 44
10 MPH Pace Speed (mph):	24 - 33
Percent in 10 MPH Pace:	63%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	8.93
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**55**
Roadway Segment:	**Franklin Avenue**
From:	**Oak Street to Garden Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.49
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	697

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians • High accident rate • Prima Facie speed limit established per CVC 22352 (b)(1)

Speed Characteristics:

85th percentile Speed (mph):	31
Average Speed (mph):	28
50th Percentile Speed (mph):	27
Range of Speeds (mph):	20 - 38
10 MPH Pace Speed (mph):	24 - 33
Percent in 10 MPH Pace:	85%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**56**
Roadway Segment:	**Garden Street**
From:	**Mariposa Drive to Cajon Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**12/19/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.35
Roadway Width (feet):	50 - 65
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,696

Speed Characteristics:

85th percentile Speed (mph):	46
Average Speed (mph):	42
50th Percentile Speed (mph):	42
Range of Speeds (mph):	31 - 51
10 MPH Pace Speed (mph):	37 - 46
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	0.83
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--



Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians • Parks, Multi-use Trails, & Recreational Destinations • Presence of sidewalks • Presence of crosswalks

[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**57**
Roadway Segment:	**Grove Street**
From:	**Highland Avenue to Citrus Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.49
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,239

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	32
Average Speed (mph):	28
50th Percentile Speed (mph):	27
Range of Speeds (mph):	19 - 37
10 MPH Pace Speed (mph):	23 - 32
Percent in 10 MPH Pace:	86%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	1.39
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

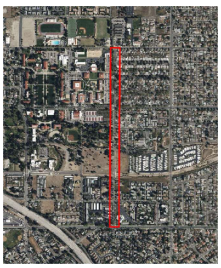
Jurisdiction:	**City of Redlands**
Roadway Number:	**58**
Roadway Segment:	**Grove Street**
From:	**Citrus Avenue to Brockton Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.74
Roadway Width (feet):	38
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,842

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • High accident rate • Parks, Multi-use Trails, & Recreational Destinations • Schools / Universities • Religious Facilities & Cultural Areas

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	21 - 46
10 MPH Pace Speed (mph):	32 - 41
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	7
Total Collision Rate per MVMT[1]:	2.65
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**59**
Roadway Segment:	**Highland Avenue**
From:	**Ford Street to Cajon Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	48 - 50
Lane Configuration:	2 lanes, divided & undivided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,607

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	47
Average Speed (mph):	43
50th Percentile Speed (mph):	42
Range of Speeds (mph):	31 - 53
10 MPH Pace Speed (mph):	39 - 48
Percent in 10 MPH Pace:	74%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	8
Total Collision Rate per MVMT[1]:	1.1
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**60**
Roadway Segment:	**Highland Avenue**
From:	**Cajon Street to San Mateo Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	38 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	3,826

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate • Retain current speed limit or immediately prior speed limit per CVC 22358.8

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	39
50th Percentile Speed (mph):	38
Range of Speeds (mph):	26 - 52
10 MPH Pace Speed (mph):	32 - 41
Percent in 10 MPH Pace:	66%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	1.82
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**61**
Roadway Segment:	**Highland Avenue**
From:	**San Mateo Street to Serpentine Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.29
Roadway Width (feet):	40 - 42
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	30
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,710

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians • Retain current speed limit or immediately prior speed limit per CVC 22358.8

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	34
50th Percentile Speed (mph):	34
Range of Speeds (mph):	23 - 44
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	67%
Posted Speed Limit:	30

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**62**
Roadway Segment:	**Judson Street**
From:	**Citrus Avenue to Colton Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.49
Roadway Width (feet):	32 - 62
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	7,355

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane / Route & Railroad Crossing

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	37
50th Percentile Speed (mph):	37
Range of Speeds (mph):	30 - 48
10 MPH Pace Speed (mph):	32 - 41
Percent in 10 MPH Pace:	87%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	5
Total Collision Rate per MVMT[1]:	1.17
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

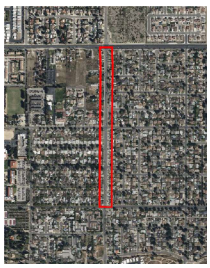
Jurisdiction:	**City of Redlands**
Roadway Number:	**63**
Roadway Segment:	**Judson Street**
From:	**Colton Avenue to Lugonia Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.49
Roadway Width (feet):	58 - 64
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,887

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	37
50th Percentile Speed (mph):	36
Range of Speeds (mph):	27 - 46
10 MPH Pace Speed (mph):	32 - 41
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	1.17
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**64**
Roadway Segment:	**Judson Street**
From:	**Lugonia Avenue to Pioneer Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	44 - 64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,757

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	25 - 45
10 MPH Pace Speed (mph):	32 - 41
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	35

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane / Route

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.22
Caltrans Collision Rate:	No

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

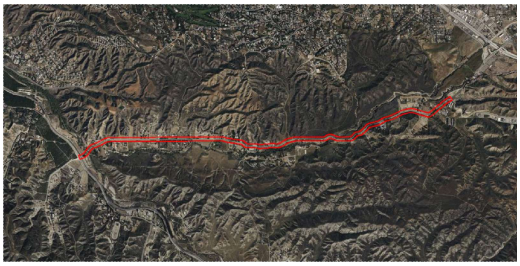
Jurisdiction:	**City of Redlands**
Roadway Number:	**65**
Roadway Segment:	**Live Oak Canyon Road**
From:	**San Timoteo Canyon Road to Easterly Boundary**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	3.68
Roadway Width (feet):	22-24
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Vacant
Frequency of Driveways:	Rare
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	5,379

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Railroad Crossing / Traffic Calming

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	30 - 50
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	7
Total Collision Rate per MVMT[1]:	0.26
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

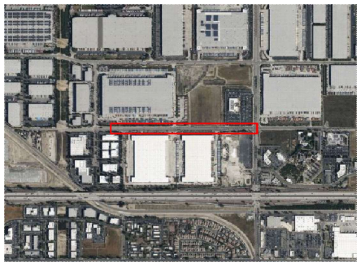
Jurisdiction:	**City of Redlands**
Roadway Number:	**66**
Roadway Segment:	**Lugonia Avenue**
From:	**1500' W/O Research Avenue to California Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.58
Roadway Width (feet):	80
Lane Configuration:	4 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	50
Adjacent Land Uses:	Industrial
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	3,996

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	45
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	51
Average Speed (mph):	45
50th Percentile Speed (mph):	46
Range of Speeds (mph):	28 - 56
10 MPH Pace Speed (mph):	43 - 52
Percent in 10 MPH Pace:	64%
Posted Speed Limit:	50

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

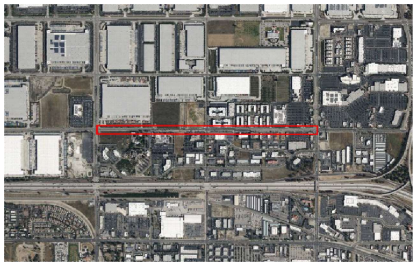
Jurisdiction:	**City of Redlands**
Roadway Number:	**67**
Roadway Segment:	**Lugonia Avenue**
From:	**California Street to Alabama Street (Eastbound)**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.99
Roadway Width (feet):	54
Lane Configuration:	3 lanes, undivided & 4 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Commercial & Industrial
Frequency of Driveways:	None
Sidewalks Present:	No
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,858

Speed Characteristics:

85th percentile Speed (mph):	46
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	29 - 52
10 MPH Pace Speed (mph):	34 - 43
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	0.53
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Parking practices & pedestrians



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

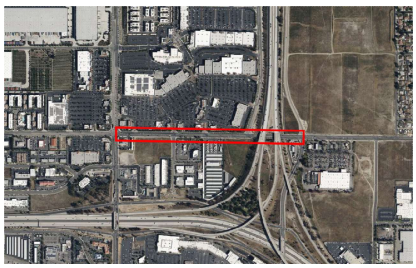
Jurisdiction:	**City of Redlands**
Roadway Number:	**68**
Roadway Segment:	**Lugonia Avenue**
From:	**Alabama Street to Tennessee Street (Eastbound)**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/25/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.55
Roadway Width (feet):	70
Lane Configuration:	4 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	16,897

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	36
50th Percentile Speed (mph):	35
Range of Speeds (mph):	28 - 46
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	13
Total Collision Rate per MVMT[1]:	1.16
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**69**
Roadway Segment:	**Lugonia Avenue**
From:	**Tennessee Street to Texas Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.46
Roadway Width (feet):	64
Lane Configuration:	4 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential & Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	23,208

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	35
50th Percentile Speed (mph):	34
Range of Speeds (mph):	30 - 44
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	83%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	20
Total Collision Rate per MVMT[1]:	1.6
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**70**
Roadway Segment:	**Lugonia Avenue**
From:	**Texas Street to Orange Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	60
Lane Configuration:	4 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	15,254

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	45
Average Speed (mph):	41
50th Percentile Speed (mph):	41
Range of Speeds (mph):	33 - 52
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	76%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	21
Total Collision Rate per MVMT[1]:	2.32
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**71**
Roadway Segment:	**Mariposa Drive**
From:	**Wabash Avenue to Country Club Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.42
Roadway Width (feet):	36 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	613

Speed Characteristics:

85th percentile Speed (mph):	34
Average Speed (mph):	30
50th Percentile Speed (mph):	29
Range of Speeds (mph):	19 - 40
10 MPH Pace Speed (mph):	25 - 34
Percent in 10 MPH Pace:	72%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**72**
Roadway Segment:	**Mariposa Drive**
From:	**Country Club Drive to Garden Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.55
Roadway Width (feet):	24 - 38
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	2,551

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	22 - 47
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • Parks, Multi-use Trails, & Recreational Destinations



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**73**
Roadway Segment:	**Mariposa Drive**
From:	**Halsey Street to Dwight Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.34
Roadway Width (feet):	28
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	180

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	24
Average Speed (mph):	19
50th Percentile Speed (mph):	19
Range of Speeds (mph):	10 - 29
10 MPH Pace Speed (mph):	16 - 25
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



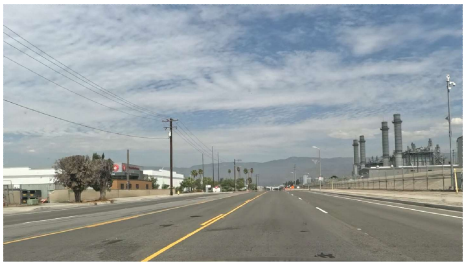
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**74**
Roadway Segment:	**Mountain View Avenue**
From:	**I-10 Freeway to Central Avenue (Northbound)**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.29
Roadway Width (feet):	40 (NB Only)
Lane Configuration:	4 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	45 / 50
Adjacent Land Uses:	Commercial & Industrial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	12,347

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Railroad Crossing

Conclusions:

Recommended Speed Limit (mph):	45
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Speed limit remains the same for the entirety of the segment
Reasoning for Recommendations:	• 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	49
Average Speed (mph):	43
50th Percentile Speed (mph):	42
Range of Speeds (mph):	33 - 56
10 MPH Pace Speed (mph):	37 - 46
Percent in 10 MPH Pace:	67%
Posted Speed Limit:	45 / 50

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	0.43
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**75**
Roadway Segment:	**New York Street**
From:	**Colton Avenue to Lugonia Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.51
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6,984

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	39
50th Percentile Speed (mph):	39
Range of Speeds (mph):	28 - 51
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	5
Total Collision Rate per MVMT[1]:	1.18
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**76**
Roadway Segment:	**Olive Avenue**
From:	**Citrus Avenue to San Mateo Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.26
Roadway Width (feet):	60
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,729

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	34
50th Percentile Speed (mph):	34
Range of Speeds (mph):	25 - 42
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	85%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	10
Total Collision Rate per MVMT[1]:	1.28
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**77**
Roadway Segment:	**Olive Avenue**
From:	**San Mateo Street to Terracina Boulevard**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.79
Roadway Width (feet):	58 - 64
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,793

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane / Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	24 - 46
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	72%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	6
Total Collision Rate per MVMT[1]:	2.15
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**78**
Roadway Segment:	**Orange Street**
From:	**Lugonia Avenue to Pioneer Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	40 - 64
Lane Configuration:	2 lanes, undivided & 4 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential & Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	10,803

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	42
Average Speed (mph):	39
50th Percentile Speed (mph):	39
Range of Speeds (mph):	32 - 48
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	91%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	29
Total Collision Rate per MVMT[1]:	2.85
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**79**
Roadway Segment:	**Orange Street**
From:	**Pioneer Avenue to Hubbard Court**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.22
Roadway Width (feet):	64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	13,982

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	45
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	48
Average Speed (mph):	44
50th Percentile Speed (mph):	43
Range of Speeds (mph):	35 - 54
10 MPH Pace Speed (mph):	39 - 48
Percent in 10 MPH Pace:	75%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	6
Total Collision Rate per MVMT[1]:	2.13
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**80**
Roadway Segment:	**Orange Street**
From:	**Hubbard Court to City Limits**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.95
Roadway Width (feet):	24 - 70
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	50
Adjacent Land Uses:	Vacant
Frequency of Driveways:	None
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	14,013

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	50
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Retain current speed limit or immediately prior speed limit per CVC 22358.8

Speed Characteristics:

85th percentile Speed (mph):	57
Average Speed (mph):	53
50th Percentile Speed (mph):	53
Range of Speeds (mph):	41 - 62
10 MPH Pace Speed (mph):	48 - 57
Percent in 10 MPH Pace:	75%
Posted Speed Limit:	50

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	4
Total Number of Collisions:	17
Total Collision Rate per MVMT[1]:	0.99
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**81**
Roadway Segment:	**Orange Tree Lane**
From:	**California Street to Nevada Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.53
Roadway Width (feet):	46
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,588

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	35
50th Percentile Speed (mph):	36
Range of Speeds (mph):	26 - 47
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	75%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	1.03
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

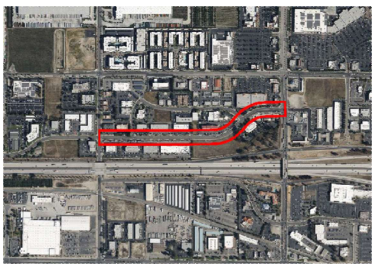
Jurisdiction:	**City of Redlands**
Roadway Number:	**82**
Roadway Segment:	**Orange Tree Lane**
From:	**Nevada Street to Alabama Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.52
Roadway Width (feet):	48
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	3,193

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Parking practices & pedestrians • Health / Medical Facilities • Presence of sidewalks • Presence of crosswalks • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	38
50th Percentile Speed (mph):	38
Range of Speeds (mph):	25 - 49
10 MPH Pace Speed (mph):	32 - 41
Percent in 10 MPH Pace:	68%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.5
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**83**
Roadway Segment:	**Pacific Street**
From:	**Crescent Avenue to Carob Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.35
Roadway Width (feet):	36
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	445

Speed Characteristics:

85th percentile Speed (mph):	33
Average Speed (mph):	28
50th Percentile Speed (mph):	28
Range of Speeds (mph):	19 - 37
10 MPH Pace Speed (mph):	24 - 33
Percent in 10 MPH Pace:	77%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Prima Facie speed limit established per CVC 22352 (b)(1) • Retain current speed limit or immediately prior speed limit per CVC 22358.8



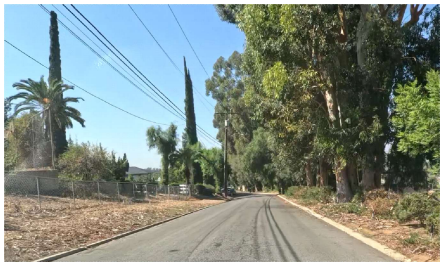
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

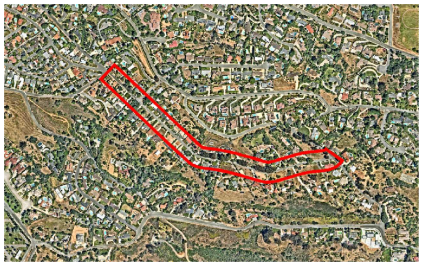
Jurisdiction:	**City of Redlands**
Roadway Number:	**84**
Roadway Segment:	**Pacific Street**
From:	**Carob Street to Ridge Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	24
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	215

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians • Prima Facie speed limit established per CVC 22352 (b)(1)

Speed Characteristics:

85th percentile Speed (mph):	32
Average Speed (mph):	25
50th Percentile Speed (mph):	25
Range of Speeds (mph):	12 - 38
10 MPH Pace Speed (mph):	24 - 33
Percent in 10 MPH Pace:	59%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**85**
Roadway Segment:	**Palm Avenue**
From:	**Serpentine Drive to San Mateo Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.24
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	30
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,321

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians • Presence of sidewalks

Speed Characteristics:

85th percentile Speed (mph):	37
Average Speed (mph):	31
50th Percentile Speed (mph):	30
Range of Speeds (mph):	20 - 44
10 MPH Pace Speed (mph):	26 - 35
Percent in 10 MPH Pace:	61%
Posted Speed Limit:	30

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**86**
Roadway Segment:	**Palm Avenue**
From:	**San Mateo Street to Ford Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	2.21
Roadway Width (feet):	50
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,466

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	Yes
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	42
Average Speed (mph):	38
50th Percentile Speed (mph):	38
Range of Speeds (mph):	30 - 49
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	81%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	13
Total Collision Rate per MVMT[1]:	0.97
Caltrans Collision Rate:	No



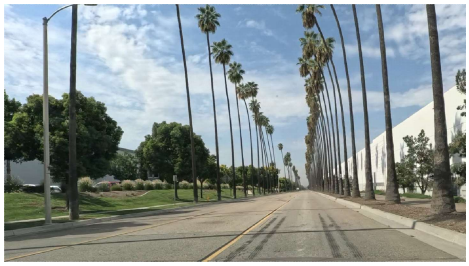
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

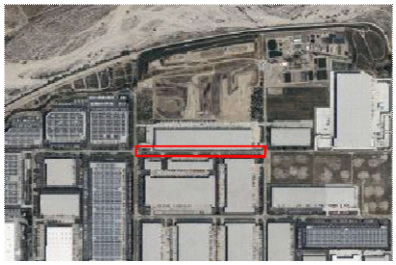
Jurisdiction:	**City of Redlands**
Roadway Number:	**87**
Roadway Segment:	**Palmetto Avenue**
From:	**Nevada Street to California Street (Westbound)**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	44
Lane Configuration:	2 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	30 EB / 40 WB
Adjacent Land Uses:	Industrial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,690

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	34
50th Percentile Speed (mph):	33
Range of Speeds (mph):	23 - 49
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	54%
Posted Speed Limit:	30 EB / 40 WB

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**88**
Roadway Segment:	**Palmetto Avenue**
From:	**California Street to Marigold Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.39
Roadway Width (feet):	64
Lane Configuration:	4 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	Not Posted
Adjacent Land Uses:	Industrial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,714

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• High accident rate

Speed Characteristics:

85th percentile Speed (mph):	46
Average Speed (mph):	39
50th Percentile Speed (mph):	40
Range of Speeds (mph):	21 - 54
10 MPH Pace Speed (mph):	38 - 47
Percent in 10 MPH Pace:	57%
Posted Speed Limit:	Not Posted

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	1.33
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**89**
Roadway Segment:	**Palo Alto Drive**
From:	**Country Club Drive to Mirasol Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.27
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,350

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	37
50th Percentile Speed (mph):	37
Range of Speeds (mph):	27 - 47
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	81%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



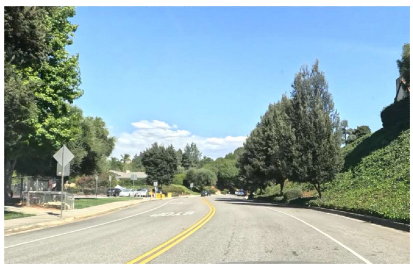
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**90**
Roadway Segment:	**Palo Alto Drive**
From:	**Mirasol Drive to Sunset Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.68
Roadway Width (feet):	44
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	30
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Partial
Two-Way Daily Traffic Volume (ADT):	1,141

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	Yes
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	35
Average Speed (mph):	31
50th Percentile Speed (mph):	31
Range of Speeds (mph):	21 - 40
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	30

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

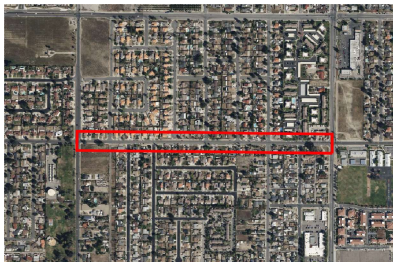
Jurisdiction:	**City of Redlands**
Roadway Number:	**91**
Roadway Segment:	**Pennsylvania Avenue**
From:	**Texas Street to Orange Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	30 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35 posted & 30 painted
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,944

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	36
50th Percentile Speed (mph):	37
Range of Speeds (mph):	26 - 46
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	77%
Posted Speed Limit:	35 posted & 30 painted

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	1.72
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route



Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Painted speed limit is equal to posted speed limit
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate

[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**92**
Roadway Segment:	**Pennsylvania Avenue**
From:	**Orange Street to Church Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4,000

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	36
Average Speed (mph):	31
50th Percentile Speed (mph):	30
Range of Speeds (mph):	23 - 41
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	73%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	1.26
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**93**
Roadway Segment:	**Pennsylvania Avenue**
From:	**Church Street to University Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.37
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,895

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	34
50th Percentile Speed (mph):	33
Range of Speeds (mph):	25 - 44
10 MPH Pace Speed (mph):	28 - 37
Percent in 10 MPH Pace:	80%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**94**
Roadway Segment:	**Pennsylvania Avenue**
From:	**University Street to Judson Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.63
Roadway Width (feet):	30 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1,620

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	25 - 46
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	64%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.8
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**95**
Roadway Segment:	**Pioneer Avenue**
From:	**Texas Street to Orange Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.51
Roadway Width (feet):	28 - 38
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6,610

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	35
50th Percentile Speed (mph):	34
Range of Speeds (mph):	23 - 44
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	81%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	11
Total Collision Rate per MVMT[1]:	2.74
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**96**
Roadway Segment:	**Pioneer Avenue**
From:	**Orange Street to Occidental Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5,207

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	37
50th Percentile Speed (mph):	38
Range of Speeds (mph):	25 - 46
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	81%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.61
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

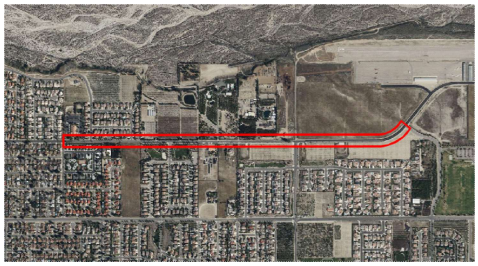
Jurisdiction:	**City of Redlands**
Roadway Number:	**97**
Roadway Segment:	**Pioneer Avenue**
From:	**Occidental Drive to Dearborn Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.12
Roadway Width (feet):	32 - 44
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	3,653

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Religious Facilities & Cultural Areas • Presence of sidewalks

Speed Characteristics:

85th percentile Speed (mph):	48
Average Speed (mph):	42
50th Percentile Speed (mph):	41
Range of Speeds (mph):	28 - 55
10 MPH Pace Speed (mph):	36 - 45
Percent in 10 MPH Pace:	67%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	5
Total Collision Rate per MVMT[1]:	0.94
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

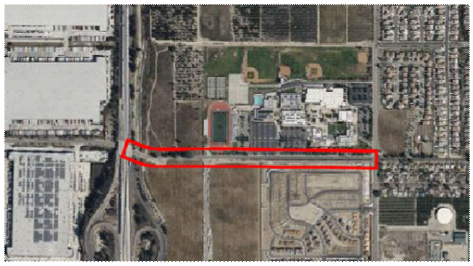
Jurisdiction:	**City of Redlands**
Roadway Number:	**98**
Roadway Segment:	**Pioneer Avenue**
From:	**Texas Street to I-210 Freeway**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.55
Roadway Width (feet):	24 - 42
Lane Configuration:	2 lanes, divided & undivided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	Not Posted
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6,983

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	39
50th Percentile Speed (mph):	38
Range of Speeds (mph):	29 - 51
10 MPH Pace Speed (mph):	33 - 42
Percent in 10 MPH Pace:	73%
Posted Speed Limit:	Not Posted

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	6
Total Collision Rate per MVMT[1]:	1.3
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**99**
Roadway Segment:	**Redlands Boulevard**
From:	**California Street to Texas Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	2.1
Roadway Width (feet):	76
Lane Configuration:	4 lanes, divided
Median Type:	Painted / Raised
On Street Parking:	No
Speed Limit (mph):	40
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	7,122

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• High accident rate

Speed Characteristics:

85th percentile Speed (mph):	45
Average Speed (mph):	41
50th Percentile Speed (mph):	41
Range of Speeds (mph):	30 - 49
10 MPH Pace Speed (mph):	36 - 45
Percent in 10 MPH Pace:	80%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	66
Total Collision Rate per MVMT[1]:	3.27
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**100**
Roadway Segment:	**Redlands Boulevard**
From:	**Texas Street to Eureka Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.33
Roadway Width (feet):	76 - 85
Lane Configuration:	4 lanes, divided
Median Type:	Painted / Raised
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	13,178

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	37
50th Percentile Speed (mph):	37
Range of Speeds (mph):	27 - 46
10 MPH Pace Speed (mph):	32 - 41
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	7
Total Collision Rate per MVMT[1]:	1.49
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

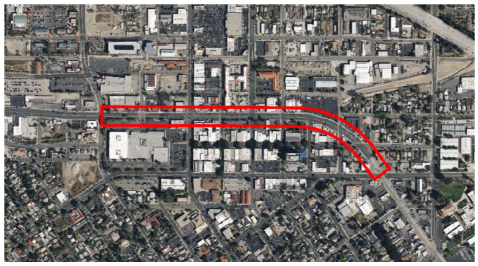
Jurisdiction:	**City of Redlands**
Roadway Number:	**101**
Roadway Segment:	**Redlands Boulevard**
From:	**Eureka Street to Citrus Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.63
Roadway Width (feet):	84 - 92
Lane Configuration:	4 lanes, divided
Median Type:	Raised
On Street Parking:	Limited
Speed Limit (mph):	30
Adjacent Land Uses:	Commercial
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	15693

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	32
Average Speed (mph):	29
50th Percentile Speed (mph):	29
Range of Speeds (mph):	21 - 39
10 MPH Pace Speed (mph):	24 - 33
Percent in 10 MPH Pace:	84%
Posted Speed Limit:	30

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	26
Total Collision Rate per MVMT[1]:	2.14
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**102**
Roadway Segment:	**Redlands Boulevard**
From:	**Citrus Avenue to Highland Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.95
Roadway Width (feet):	88 - 105
Lane Configuration:	4 lanes, divided
Median Type:	Raised
On Street Parking:	Limited
Speed Limit (mph):	35 (30 NB n/o Cypress Ave)
Adjacent Land Uses:	Residential & Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	12726

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	30
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Speed limit remains the same for the entirety of the segment
Reasoning for Recommendations:	• 10 mph pace speed • High accident rate • Presence of Retail • Religious Facilities & Cultural Areas • Presence of sidewalks • Presence of crosswalks

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	27 - 44
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	81%
Posted Speed Limit:	35 (30 NB n/o Cypress Ave)

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	30
Total Collision Rate per MVMT[1]:	1.93
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**103**
Roadway Segment:	**Redlands Boulevard**
From:	**Highland Avenue to Ford Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.61
Roadway Width (feet):	74 - 90
Lane Configuration:	4 lanes, divided
Median Type:	Raised
On Street Parking:	No
Speed Limit (mph):	50
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	No
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	14422

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	50
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	54
Average Speed (mph):	49
50th Percentile Speed (mph):	49
Range of Speeds (mph):	37 - 59
10 MPH Pace Speed (mph):	45 - 54
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	50

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	0.37
Caltrans Collision Rate:	No



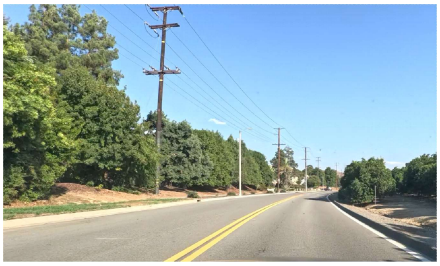
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**104**
Roadway Segment:	**Reservoir Road**
From:	**Ford Street to Wabash Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.11
Roadway Width (feet):	36
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	50
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2737

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	45
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	47
Average Speed (mph):	41
50th Percentile Speed (mph):	41
Range of Speeds (mph):	30 - 54
10 MPH Pace Speed (mph):	38 - 47
Percent in 10 MPH Pace:	66%
Posted Speed Limit:	50

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.76
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**105**
Roadway Segment:	**Rossmont Drive**
From:	**Garden Street to Sunset Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.46
Roadway Width (feet):	25
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	781

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Prima Facie speed limit established per CVC 22352 (b)(1) • Retain current speed limit or immediately prior speed limit per Cvc 22358.8

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	33
50th Percentile Speed (mph):	33
Range of Speeds (mph):	21 - 44
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	66%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**106**
Roadway Segment:	**San Bernardino Avenue**
From:	**Tennessee Street to Orange Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.97
Roadway Width (feet):	34 - 72
Lane Configuration:	2 lanes, undivided & 3 lanes, divided
Median Type:	Raised
On Street Parking:	Limited
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	17340

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Parking practices & pedestrians • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	45
Average Speed (mph):	41
50th Percentile Speed (mph):	40
Range of Speeds (mph):	34 - 49
10 MPH Pace Speed (mph):	37 - 46
Percent in 10 MPH Pace:	84%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	24
Total Collision Rate per MVMT[1]:	1.11
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

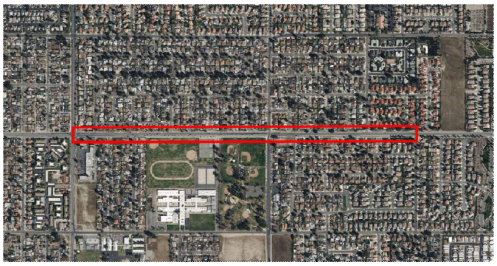
Jurisdiction:	**City of Redlands**
Roadway Number:	**107**
Roadway Segment:	**San Bernardino Avenue**
From:	**Orange Street to University Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.88
Roadway Width (feet):	64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	40 (35 posted e/o Joanne St)
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	11076

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Speed limit remains the same for the entirety of the segment
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	32 - 51
10 MPH Pace Speed (mph):	36 - 45
Percent in 10 MPH Pace:	84%
Posted Speed Limit:	40 (35 posted e/o Joanne St)

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	0.72
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

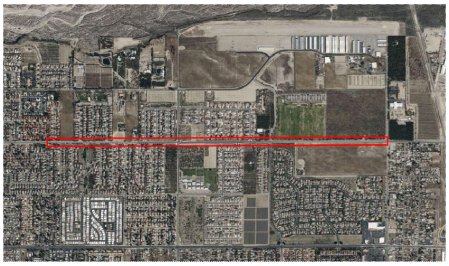
Jurisdiction:	**City of Redlands**
Roadway Number:	**108**
Roadway Segment:	**San Bernardino Avenue**
From:	**University Street to Wabash Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.62
Roadway Width (feet):	37 - 64
Lane Configuration:	2 lanes, undivided & 3 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	8047

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane & Bike Route

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Presence of sidewalks • Presence of crosswalks • Presence of bikeways • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	50
Average Speed (mph):	45
50th Percentile Speed (mph):	46
Range of Speeds (mph):	33 - 56
10 MPH Pace Speed (mph):	40 - 49
Percent in 10 MPH Pace:	71%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	15
Total Collision Rate per MVMT[1]:	0.86
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

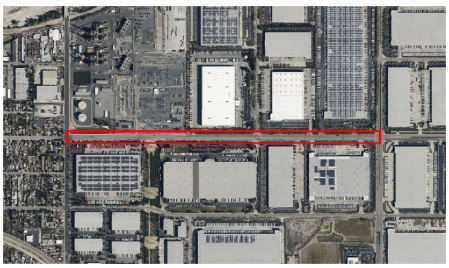
Jurisdiction:	**City of Redlands**
Roadway Number:	**109**
Roadway Segment:	**San Bernardino Avenue**
From:	**Mountain View Avenue to California Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	102
Lane Configuration:	6 lanes, divided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	50 EB & 45 WB
Adjacent Land Uses:	Industrial
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	13920

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	50
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Speed limit remains the same for the entirety of the segment
Reasoning for Recommendations:	• 10 mph pace speed

Speed Characteristics:

85th percentile Speed (mph):	56 EB / 56 WB
Average Speed (mph):	50 EB / 50 WB
50th Percentile Speed (mph):	50 EB / 50 WB
Range of Speeds (mph):	42 - 60 EB / 43 - 61 WB
10 MPH Pace Speed (mph):	45 - 54 EB / 45 - 54 WB
Percent in 10 MPH Pace:	78% EB / 72% WB
Posted Speed Limit:	50 EB & 45 WB

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.17
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**110**
Roadway Segment:	**San Mateo Street**
From:	**Brookside Avenue to Fern Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	64
Lane Configuration:	4 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	9031

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	29 - 47
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	90%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.56
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**111**
Roadway Segment:	**San Mateo Street**
From:	**Fern Avenue to Highland Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.75
Roadway Width (feet):	64
Lane Configuration:	2 lanes, undivided & 4 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5244

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	35
50th Percentile Speed (mph):	34
Range of Speeds (mph):	26 - 45
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.61
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**112**
Roadway Segment:	**San Timoteo Canyon Road**
From:	**Fern Avenue to Barton Road**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.32
Roadway Width (feet):	22
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Vacant & Residential
Frequency of Driveways:	Rare
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	8686

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	39
50th Percentile Speed (mph):	39
Range of Speeds (mph):	31 - 48
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	81%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	21
Total Collision Rate per MVMT[1]:	1.39
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**113**
Roadway Segment:	**Sunnyside Avenue**
From:	**Fern Avenue to Cypress Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.26
Roadway Width (feet):	28 - 36
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	804

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment

Speed Characteristics:

85th percentile Speed (mph):	29
Average Speed (mph):	24
50th Percentile Speed (mph):	25
Range of Speeds (mph):	12 - 37
10 MPH Pace Speed (mph):	20 - 29
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**114**
Roadway Segment:	**Sunnyside Avenue**
From:	**Cypress Avenue to Smiley Heights Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.37
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	423

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment

Speed Characteristics:

85th percentile Speed (mph):	29
Average Speed (mph):	24
50th Percentile Speed (mph):	24
Range of Speeds (mph):	11 - 34
10 MPH Pace Speed (mph):	21 - 30
Percent in 10 MPH Pace:	72%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**115**
Roadway Segment:	**Sunset Drive N**
From:	**Alta Vista Drive to Panorama Point**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.57
Roadway Width (feet):	30 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	35 NB / 30 SB
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	574

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Speed Characteristics:

85th percentile Speed (mph):	29
Average Speed (mph):	24
50th Percentile Speed (mph):	23
Range of Speeds (mph):	14 - 33
10 MPH Pace Speed (mph):	19 - 28
Percent in 10 MPH Pace:	74%
Posted Speed Limit:	35 NB / 30 SB

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Speed limit remains the same for the entirety of the segment
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Consistency with the adjacent roadway segment speed limit



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**116**
Roadway Segment:	**Sunset Drive N**
From:	**Panorama Point to Wabash Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.57
Roadway Width (feet):	42
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	30 NB / 35 SB
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	766

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Speed limit remains the same for the entirety of the segment
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	28
Average Speed (mph):	23
50th Percentile Speed (mph):	22
Range of Speeds (mph):	15 - 37
10 MPH Pace Speed (mph):	17 - 26
Percent in 10 MPH Pace:	76%
Posted Speed Limit:	30 NB / 35 SB

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	6
Total Collision Rate per MVMT[1]:	11.33
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**117**
Roadway Segment:	**Sunset Drive N**
From:	**Wabash Avenue to Ford Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.26
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1785

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	36
Average Speed (mph):	32
50th Percentile Speed (mph):	32
Range of Speeds (mph):	23 - 40
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	83%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**118**
Roadway Segment:	**Sunset Drive N**
From:	**Ford Street to Franklin Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.21
Roadway Width (feet):	40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1260

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	31
Average Speed (mph):	27
50th Percentile Speed (mph):	26
Range of Speeds (mph):	18 - 39
10 MPH Pace Speed (mph):	23 - 32
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

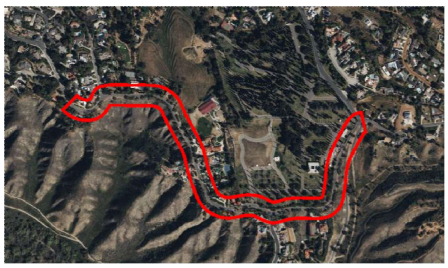
Jurisdiction:	**City of Redlands**
Roadway Number:	**119**
Roadway Segment:	**Sunset Drive S**
From:	**Serpentine Road to Alessandro Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.73
Roadway Width (feet):	22 - 25
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	330

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	30
Average Speed (mph):	26
50th Percentile Speed (mph):	25
Range of Speeds (mph):	16 - 35
10 MPH Pace Speed (mph):	21 - 30
Percent in 10 MPH Pace:	76%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	3.31
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**120**
Roadway Segment:	**Sunset Drive S**
From:	**Alessandro Drive to Ridge Street**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.70
Roadway Width (feet):	28 - 48
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	627

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	32
Average Speed (mph):	27
50th Percentile Speed (mph):	27
Range of Speeds (mph):	18 - 39
10 MPH Pace Speed (mph):	22 - 31
Percent in 10 MPH Pace:	76%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	1.83
Caltrans Collision Rate:	Yes



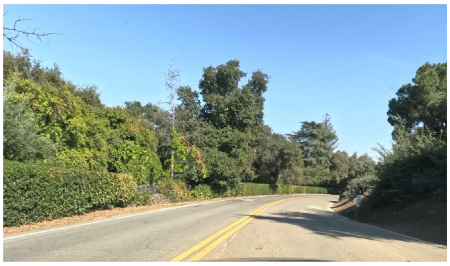
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

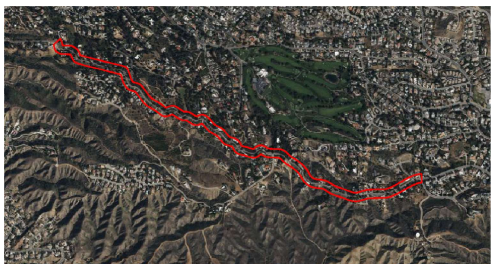
Jurisdiction:	**City of Redlands**
Roadway Number:	**121**
Roadway Segment:	**Sunset Drive S**
From:	**Ridge Street to Helen Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.92
Roadway Width (feet):	22 - 38
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	972

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	25
Average Speed (mph):	20
50th Percentile Speed (mph):	18
Range of Speeds (mph):	11 - 29
10 MPH Pace Speed (mph):	15 - 24
Percent in 10 MPH Pace:	67%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	4
Total Collision Rate per MVMT[1]:	1.6
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**122**
Roadway Segment:	**Sunset Drive S**
From:	**Helen Drive to Alta Vista Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.78
Roadway Width (feet):	42 - 62
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	987

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	30
Average Speed (mph):	26
50th Percentile Speed (mph):	25
Range of Speeds (mph):	16 - 35
10 MPH Pace Speed (mph):	21 - 30
Percent in 10 MPH Pace:	76%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	2
Total Collision Rate per MVMT[1]:	2.06
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**123**
Roadway Segment:	**Tennessee Street & San Mateo Street**
From:	**Colton Avenue to Brookside Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.0
Roadway Width (feet):	64
Lane Configuration:	4 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	12074

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	Bike Route

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	44
Average Speed (mph):	40
50th Percentile Speed (mph):	39
Range of Speeds (mph):	33 - 50
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	83%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	40
Total Collision Rate per MVMT[1]:	2.56
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**124**
Roadway Segment:	**Terracina Boulevard**
From:	**Barton Road to Olive Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.78
Roadway Width (feet):	56
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	9157

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	Bike Lane

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	56dhij consistent
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • Senior centers • Presence of sidewalks • Presence of crosswalks • Presence of bikeways • Consistency with the adjacent roadway segment speed limit

Speed Characteristics:

85th percentile Speed (mph):	49
Average Speed (mph):	44
50th Percentile Speed (mph):	43
Range of Speeds (mph):	32 - 56
10 MPH Pace Speed (mph):	38 - 47
Percent in 10 MPH Pace:	68%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	2
Total Collision Rate per MVMT[1]:	0.22
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**125**
Roadway Segment:	**Terracina Boulevard**
From:	**Olive Avenue to Cypress Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.49
Roadway Width (feet):	64 - 72
Lane Configuration:	4 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5837

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	36
50th Percentile Speed (mph):	37
Range of Speeds (mph):	25 - 49
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	71%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

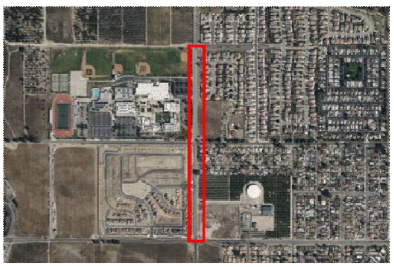
Jurisdiction:	**City of Redlands**
Roadway Number:	**126**
Roadway Segment:	**Texas Street**
From:	**Redlands Boulevard to Lugonia Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.85
Roadway Width (feet):	64
Lane Configuration:	4 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	9293

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	Yes
Other:	Railroad Crossing

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate

Speed Characteristics:

85th percentile Speed (mph):	40
Average Speed (mph):	36
50th Percentile Speed (mph):	35
Range of Speeds (mph):	26 -46
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	78%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	2
Total Number of Collisions:	23
Total Collision Rate per MVMT[1]:	2.29
Caltrans Collision Rate:	Yes



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

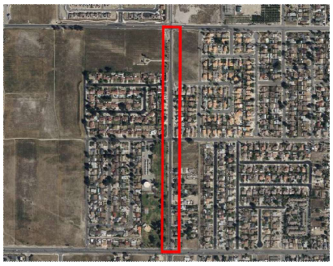
Jurisdiction:	**City of Redlands**
Roadway Number:	**127**
Roadway Segment:	**Texas Street**
From:	**Lugonia Avenue to San Bernardino Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	26 - 60
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	5462

Speed Characteristics:

85th percentile Speed (mph):	43
Average Speed (mph):	39
50th Percentile Speed (mph):	39
Range of Speeds (mph):	28 - 48
10 MPH Pace Speed (mph):	35 - 44
Percent in 10 MPH Pace:	77%
Posted Speed Limit:	35

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	2
Total Collision Rate per MVMT[1]:	0.62
Caltrans Collision Rate:	No

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians • High accident rate • Parks, Multi-use Trails, & Recreational Destinations • Presence of crosswalks



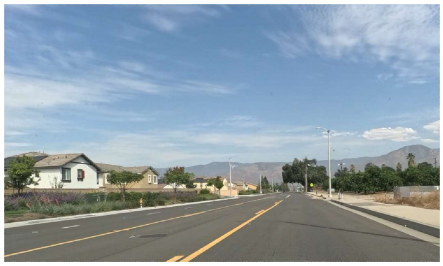
[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**128**
Roadway Segment:	**Texas Street**
From:	**San Bernardino Avenue to Domestic Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	48 - 62
Lane Configuration:	3 lanes, divided
Median Type:	Painted
On Street Parking:	No
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6029

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment

Speed Characteristics:

85th percentile Speed (mph):	42
Average Speed (mph):	37
50th Percentile Speed (mph):	37
Range of Speeds (mph):	26 - 49
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.84
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

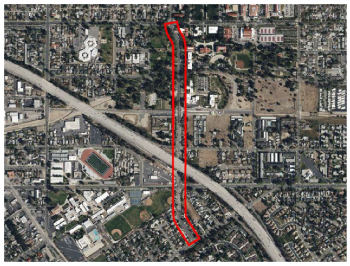
Jurisdiction:	**City of Redlands**
Roadway Number:	**129**
Roadway Segment:	**University Street**
From:	**Cypress Avenue to Colton Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.69
Roadway Width (feet):	62
Lane Configuration:	2 lanes, divided & 4 lanes, undivided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	16751

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	36
50th Percentile Speed (mph):	36
Range of Speeds (mph):	28 - 45
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	92%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	36
Total Collision Rate per MVMT[1]:	2.5
Caltrans Collision Rate:	Yes

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians • High accident rate



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**130**
Roadway Segment:	**University Street**
From:	**Colton Avenue to Lugonia Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	38 - 62
Lane Configuration:	2 lanes, undivided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	35
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	10659

Speed Characteristics:

85th percentile Speed (mph):	38
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	27 - 45
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	88%
Posted Speed Limit:	35

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	9
Total Collision Rate per MVMT[1]:	1.42
Caltrans Collision Rate:	No

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Parking practices & pedestrians



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**131**
Roadway Segment:	**University Street**
From:	**Lugonia Avenue to San Bernardino Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.50
Roadway Width (feet):	38 - 40
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	1980

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• 10 mph pace speed • Roadside development & environment • Presence of crosswalks

Speed Characteristics:

85th percentile Speed (mph):	34
Average Speed (mph):	29
50th Percentile Speed (mph):	29
Range of Speeds (mph):	21 - 40
10 MPH Pace Speed (mph):	24 - 33
Percent in 10 MPH Pace:	73%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.85
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**132**
Roadway Segment:	**Via Vista Drive**
From:	**Country Club Drive to Helena Lane**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.64
Roadway Width (feet):	38
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Yes
Speed Limit (mph):	30
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	No
Street Illumination:	No
Two-Way Daily Traffic Volume (ADT):	219

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Prima Facie speed limit established per CVC 22352 (b)(1)

Speed Characteristics:

85th percentile Speed (mph):	31
Average Speed (mph):	26
50th Percentile Speed (mph):	27
Range of Speeds (mph):	14 - 36
10 MPH Pace Speed (mph):	23 - 32
Percent in 10 MPH Pace:	69%
Posted Speed Limit:	30

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**133**
Roadway Segment:	**Wabash Avenue**
From:	**Fifth Avenue to Citrus Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.49
Roadway Width (feet):	64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	45
Adjacent Land Uses:	Residential
Frequency of Driveways:	None
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	4640

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	40
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	47
Average Speed (mph):	42
50th Percentile Speed (mph):	43
Range of Speeds (mph):	31 - 52
10 MPH Pace Speed (mph):	38 - 47
Percent in 10 MPH Pace:	70%
Posted Speed Limit:	45

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	1
Total Collision Rate per MVMT[1]:	0.37
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

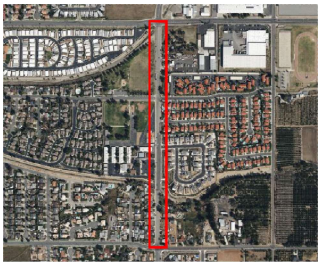
Jurisdiction:	**City of Redlands**
Roadway Number:	**134**
Roadway Segment:	**Wabash Avenue**
From:	**Citrus Avenue to Colton Avenue**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.51
Roadway Width (feet):	50 - 64
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	40
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Yes
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	6044

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	Yes
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadside development & environment • Parking practices & pedestrians

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	35
50th Percentile Speed (mph):	34
Range of Speeds (mph):	27 - 46
10 MPH Pace Speed (mph):	30 - 39
Percent in 10 MPH Pace:	82%
Posted Speed Limit:	40

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	3
Total Collision Rate per MVMT[1]:	0.82
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

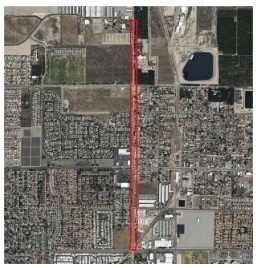
Jurisdiction:	**City of Redlands**
Roadway Number:	**135**
Roadway Segment:	**Wabash Avenue**
From:	**Colton Avenue to Sessums Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/22/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	1.39
Roadway Width (feet):	26 - 64
Lane Configuration:	4 lanes, divided & 2 lanes, undivided
Median Type:	Painted
On Street Parking:	Limited
Speed Limit (mph):	40 (35 n/o Lugania Ave)
Adjacent Land Uses:	Residential & Commercial
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	10021

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	No
Vertical Curves:	No
Horizontal Curves:	No
School Speed Zones:	No
Other:	--

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	• Speed limit remains the same for the entirety of the segment
Reasoning for Recommendations:	N/A

Speed Characteristics:

85th percentile Speed (mph):	39
Average Speed (mph):	35
50th Percentile Speed (mph):	35
Range of Speeds (mph):	27 - 44
10 MPH Pace Speed (mph):	29 - 38
Percent in 10 MPH Pace:	79%
Posted Speed Limit:	40 (35 n/o Lugania Ave)

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	1
Total Number of Collisions:	13
Total Collision Rate per MVMT[1]:	0.71
Caltrans Collision Rate:	No



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**136**
Roadway Segment:	**Wabash Avenue**
From:	**Fifth Avenue to Panorama Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/25/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.79
Roadway Width (feet):	24 - 50
Lane Configuration:	2 lanes, undivided & 3 lanes, undivided
Median Type:	N/A
On Street Parking:	No
Speed Limit (mph):	Not Posted
Adjacent Land Uses:	Residential
Frequency of Driveways:	Frequent
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	665

Speed Characteristics:

85th percentile Speed (mph):	41
Average Speed (mph):	34
50th Percentile Speed (mph):	34
Range of Speeds (mph):	22 - 47
10 MPH Pace Speed (mph):	31 - 40
Percent in 10 MPH Pace:	63%
Posted Speed Limit:	Not Posted

Other Special Conditions:

Crosswalk:	No
School Crosswalk:	No
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	No
Other:	--

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	No

Conclusions:

Recommended Speed Limit (mph):	35
Adjustment to Speed Limit:	Decrease in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	N/A



[1] MVMT = Million Vehicles Miles of Travel

City of Redlands Engineering and Traffic Survey
Traffic Conditions Form

Jurisdiction:	**City of Redlands**
Roadway Number:	**137**
Roadway Segment:	**Wabash Avenue**
From:	**Reservoir Road to Palo Alto Drive**

Prepared By:	**Sabrina Ayala**
Reviewed By:	**Robert Kahn, P.E., T.E.**
Date:	**11/25/2024**

Street View



Aerial View



Roadway Characteristics:

Length of Segment (miles):	0.98
Roadway Width (feet):	40 - 44
Lane Configuration:	2 lanes, undivided
Median Type:	N/A
On Street Parking:	Limited
Speed Limit (mph):	25
Adjacent Land Uses:	Residential
Frequency of Driveways:	Rare
Sidewalks Present:	Partial
Street Illumination:	Yes
Two-Way Daily Traffic Volume (ADT):	2,420

Other Special Conditions:

Crosswalk:	Yes
School Crosswalk:	Yes
Vertical Curves:	Yes
Horizontal Curves:	Yes
School Speed Zones:	Yes
Other:	--

Conclusions:

Recommended Speed Limit (mph):	25
Adjustment to Speed Limit:	No Change in Speed Limit
Other Recommendations:	
Reasoning for Recommendations:	• Roadway characteristics not readily apparent to a driver • Roadside development & environment • Parking practices & pedestrians • Prima Facie speed limit established per CVC 22352 (b)(1) • Schools / Universities • Presence of crosswalks

Speed Characteristics:

85th percentile Speed (mph):	37
Average Speed (mph):	32
50th Percentile Speed (mph):	32
Range of Speeds (mph):	22 - 43
10 MPH Pace Speed (mph):	27 - 36
Percent in 10 MPH Pace:	75%
Posted Speed Limit:	25

Collision History:

Dates Observed:	01/2021 - 10/2024
Number of Months:	46
Total Fatal + Severe Collisions:	0
Total Number of Collisions:	0
Total Collision Rate per MVMT[1]:	0
Caltrans Collision Rate:	0



[1] MVMT = Million Vehicles Miles of Travel

ORDINANCE NO. 2982

AN ORDINANCE OF THE CITY OF REDLANDS AMENDING CHAPTER 10.24 OF THE REDLANDS MUNICIPAL CODE CONFIRMING PRIMA FACIA SPEED LIMITS FOR SPECIFIED CITY STREETS

WHEREAS, an Engineering and Traffic Survey, as defined by California Vehicle Code section 627, is a survey of highway and traffic conditions conducted in accordance with methods defined in the California Manual of Uniform Traffic Control Devices; and

WHEREAS, California Vehicle Code section 40802 requires an Engineering and Traffic Survey be prepared for each City street segment, every seven to fourteen years, for the use of radar or other electronic devices to enforce speed limits.

THE CITY COUNCIL OF THE CITY OF REDLANDS DOES ORDAIN AS FOLLOWS:

Section 1. Section 10.24.030 of the Redlands Municipal Code is hereby amended as follows:

"10.24.030: PRIMA FACIE SPEED LIMITS:

It is determined upon the basis of an engineering and traffic survey that the orderly movement of vehicular traffic would be facilitated in a reasonable and safe manner by establishing enforceable speed limits under the conditions found to exist upon the following streets. It is declared that the prima facie speed limits shall be as herein set forth on these streets or parts of streets herein designated when signs are erected giving notice thereof. This section does not apply to any twenty-five (25) mile per hour prima facie limit which is applicable when passing a school building or the grounds thereof or when passing a senior center or other facility primarily used by senior citizens.

Street	Segment	Speed Limit (mph)
Alabama Street	Barton Road to Park Avenue	40
Alabama Street	Park Avenue to Lugonia Avenue	35
Alabama Street	City limit south of Santa Ana River to City limit north of Santa Ana River	55
Alessandro Road	Crescent Avenue to Sunset Drive	40
Alessandro Road	Sunset Drive to Creekside Drive	40
Alessandro Road	Creekside Drive to San Timoteo Canyon Road	35
Alta Vista Drive	Florida Street to Sunset Drive	35

Barton Road	West City Limit to Terracina Boulevard	40
Barton Road	Terracina Boulevard to Alabama Street	40
Barton Road	Alabama Street to Lakeside Avenue	40
Brockton Avenue	New York Street to Texas Street	30
Brockton Avenue	Texas Street to Church Street	30
Brockton Avenue	Church Street to Judson Street	30
Brockton Avenue	Judson Street to Wabash Avenue	30
Brookside Avenue	Lakeside Avenue to Center Street	35
Brookside Avenue	Center Street to Eureka Street	35
Cajon Street	Vine Street to Fern Avenue	30
Cajon Street	Fern Avenue to Garden Street	30
California Street	Palmetto Avenue to Almond Avenue (southbound)	40
California Street	Almond Avenue to Redlands Boulevard	40
Center Street	State Street to Brookside Avenue	35
Center Street	Brookside Avenue to Cypress Avenue	35
Center Street	Cypress Avenue to Crescent Avenue	35
Center Street	Crescent Avenue to Ridge Street	35
Central Avenue	University Street to Judson Street	30
Church Street	Pioneer Avenue to Redlands Boulevard	30
Citrus Avenue	Eureka Street to Orange Street	30
Citrus Avenue	Redlands Boulevard to University Street	30
Citrus Avenue	University Street to Wabash Avenue	35
Colton Avenue	Redlands Boulevard to Church Street	30
Colton Avenue	Church Street to Grove Street	30
Colton Avenue	Grove Street to Dearborn Street	35
Colton Avenue	Dearborn Street to Wabash Avenue	40
Crescent Avenue	Ramona Drive to Serpentine Drive	30

Crestview Road	Ford Street to Buckingham Drive	25
Cypress Avenue	Terracina Boulevard to Center Street	35
Cypress Avenue	Center Street to Redlands Boulevard	35
Cypress Avenue	Redlands Boulevard to Citrus Avenue	35
Dearborn Street	5th Avenue to Colton Avenue	35
Dearborn Street	Colton Avenue to Lugonia Avenue	35
Dearborn Street	Lugonia Avenue to San Bernardino Avenue	40
Dearborn Street	San Bernardino Avenue to Sessums Drive	35
Elizabeth Street	Garden Street to Crescent Avenue	35
Fern Avenue	Redlands Boulevard to Cajon Street	35
Fern Avenue	Cajon Street to Center Street	35
Fern Avenue	Center Street to San Mateo Street	35
Fern Avenue	San Mateo Street to Terracina Boulevard	35
Fifth Avenue	Ford Street to Dearborn Street	40
Fifth Avenue	Dearborn Street to Wabash Avenue	40
Ford Street	Citrus Avenue to Fifth Avenue	40
Ford Street	Fifth Avenue to Reservoir Road	40
Ford Street	Reservoir Road to Sunset Drive	40
Ford Street	Sunset Drive to Garden Hill Drive	40
Franklin Avenue	Eucalyptus Drive to Oak Street	25
Franklin Avenue	Oak Street to Garden Street	25
Garden Street	Mariposa Drive to Cajon Street	35
Grove Street	Highland Avenue to Citrus Avenue	30
Grove Street	Citrus Avenue to Brockton Avenue	35
Highland Avenue	Ford Street to Cajon Street	40
Highland Avenue	Cajon Street to San Mateo Street	35
Highland Avenue	San Mateo Street to Serpentine Drive	30
Judson Street	Citrus Avenue to Colton Avenue	35

Judson Street	Colton Avenue to Lugonia Avenue	35
Judson Street	Lugonia Avenue to Pioneer Avenue	35
Live Oak Canyon Road	San Timoteo Canyon Road to Easterly City Boundary	40
Lugonia Avenue	1,500 feet w/o Research Avenue to California Street	45
Lugonia Avenue	California Street to Alabama Street (eastbound)	40
Lugonia Avenue	Alabama Street to Tennessee Street (eastbound)	40
Lugonia Avenue	Tennessee Street to Texas Street	40
Lugonia Avenue	Texas Street to Orange Street	40
Mariposa Drive	Wabash Avenue to Country Club Drive	30
Mariposa Drive	Country Club Drive to Garden Street	30
Mariposa Drive	Halsey Street to Dwight Street	25
Mountain View Avenue	I-10 Freeway to Central Avenue (northbound)	45
New York Street	Colton Avenue to Lugonia Avenue	40
Olive Avenue	Citrus Avenue to San Mateo Street	35
Olive Avenue	San Mateo Street to Terracina Boulevard	35
Orange Street	Lugonia Avenue to Pioneer Avenue	40
Orange Street	Pioneer Avenue to Hubbard Court	45
Orange Street	Hubbard Court to City limits	50
Orange Tree Lane	California Street to Nevada Street	35
Orange Tree Lane	Nevada Street to Alabama Street	35
Pacific Street	Crescent Avenue to Carob Street	25
Pacific Street	Carob Street to Ridge Street	25
Palm Avenue	Serpentine Drive to San Mateo Street	30
Palm Avenue	San Mateo Street to Ford Street	35
Palmetto Avenue	Nevada Street to California Street (westbound)	40
Palmetto Avenue	California Street to Marigold Avenue	40

Palo Alto Drive	Country Club Drive to Mirasol Drive	35
Palo Alto Drive	Mirasol Drive to Sunset Drive	30
Pennsylvania Avenue	Texas Street to Orange Street	35
Pennsylvania Avenue	Orange Street to Church Street	35
Pennsylvania Avenue	Church Street to University Avenue	35
Pennsylvania Avenue	University Avenue to Judson Street	35
Pioneer Avenue	Texas Street to Orange Street	35
Pioneer Avenue	Orange Street to Occidental Drive	35
Pioneer Avenue	Occidental Drive to Dearborn Street	40
Pioneer Avenue	Texas Street to I-210 Freeway	40
Redlands Boulevard	California Street to Texas Street	40
Redlands Boulevard	Texas Street to Eureka Street	35
Redlands Boulevard	Eureka Street to Citrus Avenue	30
Redlands Boulevard	Citrus Avenue to Highland Avenue	30
Redlands Boulevard	Highland Avenue to Ford Street	50
Reservoir Road	Ford Street to Wabash Avenue	45
Rossmont Drive	Garden Street to Sunset Drive	25
San Bernardino Avenue	Tennessee Street to Orange Street	40
San Bernardino Avenue	Orange Street to University Street	40
San Bernardino Avenue	University Street to Wabash Avenue	40
San Bernardino Avenue	Mountain View Avenue to California Street	50
San Mateo Street	Brookside Avenue to Fern Avenue	35
San Mateo Street	Fern Avenue to Highland Avenue	35
San Timoteo Canyon Road	Fern Avenue to Barton Road	40
Sunset Drive	Alta Vista Drive to Panorama Point	25
Sunset Drive	Panorama Point to Wabash Avenue	25
Sunset Drive	Wabash Avenue to Ford Street	25
Sunset Drive	Ford Street to Franklin Avenue	25

Sunset Drive	Serpentine Road to Alessandro Drive	25
Sunset Drive	Alessandro Drive to Ridge Street	25
Sunset Drive	Ridge Street to Helen Drive	25
Sunset Drive	Helen Drive to Alta Vista Drive	25
Sunnyside Avenue	Fern Avenue to Cypress Avenue	25
Sunnyside Avenue	Cypress Avenue to Smiley Heights Drive	25
Tennessee Street and San Mateo Street	Colton Avenue to Brookside Avenue	40
Terracina Boulevard	Barton Road to Olive Avenue	40
Terracina Boulevard	Olive Avenue to Cypress Avenue	35
Texas Street	Redlands Boulevard to Lugonia Avenue	35
Texas Street	Lugonia Avenue to San Bernardino Avenue	35
Texas Street	San Bernardino Avenue to Domestic Avenue	35
University Street	Cypress Avenue to Colton Avenue	35
University Street	Colton Avenue to Lugonia Avenue	35
University Street	Lugonia Avenue to San Bernardino Avenue	25
Via Vista Drive	Country Club Drive to Helena Lane	25
Wabash Avenue	Fifth Avenue to Citrus Avenue	40
Wabash Avenue	Citrus Avenue to Colton Avenue	35
Wabash Avenue	Colton Avenue to Sessums Drive	35
Wabash Avenue	Fifth Avenue to Panorama Drive	35
Wabash Avenue	Reservoir Road to Palo Alto	25

Section 2. Severability. If any section, sentence, clause or phrase of this ordinance or the application thereof to any entity, person or circumstance is held for any reason to be invalid or unconstitutional, such invalidity or unconstitutionality shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provisions or application, and to this end the provisions of this ordinance are severable. The City Council of the City of Redlands hereby declares that it would have adopted this ordinance and each section, sentence, clause or phrase thereof, irrespective of the fact that any one or more section, subsections, sentences, clauses or phrases be declared invalid or unconstitutional

Section 3. The Mayor shall sign this ordinance and the City Clerk shall certify to the adoption of this ordinance and shall cause it, or a summary of it, to be published once in a newspaper of general circulation within the City, and thereafter, this ordinance shall take effect as provided by law.

_____
Mario Saucedo, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk, City of Redlands, hereby certify that the foregoing Ordinance was duly introduced by the City Council at the regular meeting thereof, held on the 20th day of May 2025, by the following vote:

AYES:
NOES:
ABSENT:

_____
Jeanne Donaldson, City Clerk

ORDINANCE NO. 2982

AN ORDINANCE OF THE CITY OF REDLANDS AMENDING CHAPTER 10.24 OF THE REDLANDS MUNICIPAL CODE CONFIRMING PRIMA FACIA SPEED LIMITS FOR SPECIFIED CITY STREETS

WHEREAS, an Engineering and Traffic Survey, as defined by California Vehicle Code section 627, is a survey of highway and traffic conditions conducted in accordance with methods defined in the California Manual of Uniform Traffic Control Devices; and

WHEREAS, California Vehicle Code section 40802 requires an Engineering and Traffic Survey be prepared for each City street segment, every seven to fourteen years, for the use of radar or other electronic devices to enforce speed limits.

THE CITY COUNCIL OF THE CITY OF REDLANDS DOES ORDAIN AS FOLLOWS:

Section 1. Section 10.24.030 of the Redlands Municipal Code is hereby amended as follows:

"10.24.030: PRIMA FACIE SPEED LIMITS:

It is determined upon the basis of an engineering and traffic survey that the orderly movement of vehicular traffic would be facilitated in a reasonable and safe manner by establishing enforceable speed limits under the conditions found to exist upon the following streets. It is declared that the prima facie speed limits shall be as herein set forth on these streets or parts of streets herein designated when signs are erected giving notice thereof. This section does not apply to any twenty-five (25) mile per hour prima facie limit which is applicable when passing a school building or the grounds thereof or when passing a senior center or other facility primarily used by senior citizens.

Street	Segment	Speed Limit (mph)
Alabama Street	Barton Road to Park Avenue	~~45~~ 40
Alabama Street	Park Avenue to Lugonia Avenue	35
Alabama Street	~~Between~~ City limit ~~line~~ south of Santa Ana River to~~and~~ City limit ~~line~~ north of Santa Ana River	55
Alessandro Road	Crescent Avenue to Sunset Drive	40
Alessandro Road	Sunset Drive to Creekside Drive	40
Alessandro Road	Creekside Drive to San Timoteo Canyon Road	35

Alta Vista Drive	Florida Street to Sunset Drive	~~40~~ 35
Barton Road	West City Limit to Terracina Boulevard	~~45~~ 40
Barton Road	Terracina Boulevard to Alabama Street	~~45~~ 40
Barton Road	Alabama Street to Lakeside Avenue	40
Brockton Avenue	New York Street to Texas Street	30
Brockton Avenue	Texas Street to Church Street	~~35~~ 30
Brockton Avenue	Church Street to Judson Street	~~35~~ 30
Brockton Avenue	Judson Street to Wabash Avenue	~~35~~ 30
Brookside Avenue	Lakeside Avenue to Center Street	35
Brookside Avenue	Center Street to Eureka Street	35
Cajon Street	Vine Street to Fern Avenue	30
Cajon Street	Fern Avenue to Garden Street	~~35~~30
California Street	Palmetto Avenue to Almond Avenue (southbound)	~~45~~ 40
California Street	Almond Avenue to Redlands Boulevard	40
Center Street	State Street to Brookside Avenue	35
Center Street	Brookside Avenue to Cypress Avenue	35
Center Street	Cypress Avenue to Crescent Avenue	35
Center Street	Crescent Avenue to Ridge Street	35
Central Avenue	University Street to Judson Street	30
Church Street	Pioneer Avenue to Redlands Boulevard	~~35~~ 30
Citrus Avenue	Eureka Street to Orange Street	30
Citrus Avenue	Redlands Boulevard to University Street	30
Citrus Avenue	University Street to Wabash Avenue	~~40~~35
Colton Avenue	Redlands Boulevard to Church Street	~~40~~30
Colton Avenue	Church Street to Grove Street	~~35~~30
Colton Avenue	Grove Street to ~~Lincoln~~ Dearborn Street	~~40~~35
Colton Avenue	Dearborn Street to Wabash Avenue	~~45~~40
Crescent Avenue	Ramona Drive to Serpentine Drive	~~35~~30

Crestview Road	Ford Street to Buckingham Drive	~~30~~ 25
Cypress Avenue	Terracina Boulevard to Center Street	~~40~~ 35
Cypress Avenue	Center Street to Redlands Boulevard	~~40~~ 35
Cypress Avenue	Redlands Boulevard to Citrus Avenue	~~40~~ 35
Dearborn Street	5th Avenue to Colton Avenue	~~40~~ 35
Dearborn Street	Colton Avenue to Lugonia Avenue	35
Dearborn Street	Lugonia Avenue to San Bernardino Avenue	~~45~~ 40
Dearborn Street	San Bernardino Avenue to Sessums Drive	~~40~~ 35
Elizabeth Street	Garden Street to Crescent Avenue	~~45~~ 35
Fern Avenue	Redlands Boulevard to Cajon Street	35
Fern Avenue	Cajon Street to Center Street	35
Fern Avenue	Center Street to San Mateo Street	~~40~~ 35
Fern Avenue	San Mateo Street to Terracina Boulevard	35
Fifth Avenue	Ford Street to Dearborn Street	~~45~~ 40
Fifth Avenue	Dearborn Street to Wabash Avenue	~~45~~ 40
Ford Street	Citrus Avenue to Fifth Avenue	40
Ford Street	Fifth Avenue to Reservoir Road	40
Ford Street	Reservoir Road to Sunset Drive	~~45~~ 40
Ford Street	Sunset Drive to Garden Hill Drive	40
Franklin Avenue	Eucalyptus Drive to Oak Street	~~35~~25
Franklin Avenue	Oak Street to Garden Street	~~35~~25
Garden Street	Mariposa Drive to Cajon Street	~~40~~35
Grove Street	Highland Avenue to Citrus Avenue	~~35~~ 30
Grove Street	Citrus Avenue to Brockton Avenue	35
Highland Avenue	Ford Street to Cajon Street	~~45~~ 40
Highland Avenue	Cajon Street to San Mateo Street	35
Highland Avenue	San Mateo Street to Serpentine Drive	30
Judson Street	Citrus Avenue to Colton Avenue	~~40~~ 35

Judson Street	Colton Avenue to Lugonia Avenue	35
Judson Street	Lugonia Avenue to Pioneer Avenue	35
Live Oak Canyon Road	San Timoteo Canyon Road to Easterly City Boundary	~~45~~40
Lugonia Avenue	1,500 feet w/o Research Avenue to California Street	~~50~~ 45
Lugonia Avenue	California Street to Alabama Street (eastbound)	40
Lugonia Avenue	Alabama Street to Tennessee Street (eastbound)	40
Lugonia Avenue	Tennessee Street to Texas Street	40
Lugonia Avenue	Texas Street to Orange Street	40
Mariposa Drive	Wabash Avenue to Country Club Drive	~~35~~ 30
Mariposa Drive	Country Club Drive to Garden Street	~~35~~ 30
Mariposa Drive	Halsey Street to Dwight Street	25
Mountain View Avenue	I-10 Freeway to Central Avenue (northbound)	~~50~~ 45
New York Street	Colton Avenue to Lugonia Avenue	40
Olive Avenue	Citrus Avenue to San Mateo Street	35
Olive Avenue	San Mateo Street to Terracina Boulevard	35
Orange Street	Lugonia Avenue to Pioneer Avenue	40
Orange Street	Pioneer Avenue to Hubbard Court	45
Orange Street	Hubbard Court to City limits	50
Orange Tree Lane	California Street to Nevada Street	35
Orange Tree Lane	Nevada Street to Alabama Street	~~40~~ 35
Pacific Street	Crescent Avenue to Carob Street	25
Pacific Street	Carob Street to Ridge Street	25
Palm Avenue	Serpentine Drive to San Mateo Street	30
Palm Avenue	San Mateo Street to Ford Street	~~40~~ 35
Palmetto Avenue	Nevada Street to California Street (westbound)	40
Palmetto Avenue	California Street to Marigold Avenue	40
Palo Alto Drive	Country Club Drive to Mirasol Drive	35

Palo Alto Drive	Mirasol Drive to Sunset Drive	30
Pennsylvania Avenue	Texas Street to Orange Street	35
Pennsylvania Avenue	Orange Street to Church Street	35
Pennsylvania Avenue	Church Street to University Avenue	35
Pennsylvania Avenue	University Avenue to Judson Street	35
Pioneer Avenue	Texas Street to Orange Street	35
Pioneer Avenue	Orange Street to Occidental Drive	35
Pioneer Avenue	Occidental Drive to Dearborn Street	~~45~~ 40
Pioneer Avenue	Texas Street to I-210 Freeway	40
Redlands Boulevard	California Street to Texas Street	40
Redlands Boulevard	Texas Street to Eureka Street	35
Redlands Boulevard	Eureka Street to Citrus Avenue	30
Redlands Boulevard	Citrus Avenue to Highland Avenue	~~35~~ 30
Redlands Boulevard	Highland Avenue to Ford Street	50
Reservoir Road	Ford Street to Wabash Avenue	~~50~~ 45
Rossmont Drive	Garden Street to Sunset Drive	25
San Bernardino Avenue	Tennessee Street to Orange Street	~~45~~ 40
San Bernardino Avenue	Orange Street to University Street	40
San Bernardino Avenue	University Street to Wabash Avenue	~~45~~ 40
San Bernardino Avenue	Mountain View Avenue to California Street	50
San Mateo Street	Brookside Avenue to Fern Avenue	35
San Mateo Street	Fern Avenue to Highland Avenue	35
San Timoteo Canyon Road	Fern Avenue to Barton Road	40
~~Sunset Drive~~	~~Vinton Way to Alta Vista Drive~~	~~40~~
Sunset Drive	Alta Vista Drive to Panorama Point	~~30~~ 25
~~Sunset Drive~~	~~Serpentine Road to Vinton Way~~	~~25~~
Sunset Drive	Panorama Point to ~~Franklin Avenue~~Wabash Avenue	~~35~~ 25

Sunset Drive	Wabash Avenue to Ford Street	25
Sunset Drive	Ford Street to Franklin Avenue	25
Sunset Drive	Serpentine Road to Alessandro Drive	25
Sunset Drive	Alessandro Drive to Ridge Street	25
Sunset Drive	Ridge Street to Helen Drive	25
Sunset Drive	Helen Drive to Alta Vista Drive	25
Sunnyside Avenue	Fern Avenue to Cypress Avenue	25
Sunnyside Avenue	Cypress Avenue to Smiley Heights Drive	25
Tennessee Street and San Mateo Street	Colton Avenue to Brookside Avenue	40
Terracina Boulevard	Barton Road to Olive Avenue	~~45~~ 40
Terracina Boulevard	Olive Avenue to Cypress Avenue	35
Texas Street	Redlands Boulevard to Lugonia Avenue	35
Texas Street	Lugonia Avenue to San Bernardino Avenue	35
Texas Street	San Bernardino Avenue to Domestic Avenue	35
University Street	Cypress Avenue to Colton Avenue	35
University Street	Colton Avenue to Lugonia Avenue	35
University Street	Lugonia Avenue to San Bernardino Avenue	25
Via Vista Drive	Country Club Drive to Helena Lane	~~30~~25
Wabash Avenue	Fifth Avenue to Citrus Avenue	~~45~~ 40
Wabash Avenue	Citrus Avenue to Colton Avenue	~~40~~ 35
Wabash Avenue	Colton Avenue to Sessums Drive	~~40~~ 35
Wabash Avenue	Fifth Avenue to Panorama Drive	~~40~~ 35
Wabash Avenue	Reservoir Road to Palo Alto	~~35~~ 25

Section 2. Severability. If any section, sentence, clause or phrase of this ordinance or the application thereof to any entity, person or circumstance is held for any reason to be invalid or unconstitutional, such invalidity or unconstitutionality shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provisions or application, and to this end the provisions of this ordinance are severable. The City Council of the City of Redlands hereby declares that it would have adopted this ordinance and each section, sentence, clause or phrase thereof, irrespective of the fact that any one or more section, subsections, sentences, clauses or phrases be declared invalid or unconstitutional

Section 3. The Mayor shall sign this ordinance and the City Clerk shall certify to the adoption of this ordinance and shall cause it, or a summary of it, to be published once in a newspaper of general circulation within the City, and thereafter, this ordinance shall take effect as provided by law.

_____
Mario Saucedo, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk, City of Redlands, hereby certify that the foregoing Ordinance was duly introduced by the City Council at the regular meeting thereof, held on the 20th day of May 2025, by the following vote:

AYES:
NOES:
ABSENT:

_____

Jeanne Donaldson, City Clerk

CITY OF REDLANDS
CITY COUNCIL
NOTICE OF PUBLIC HEARING

NOTICE is hereby given that the City Council of the City of Redlands, County of San Bernardino, State of California, will hold a public hearing to consider the following:

1. **PUBLIC HEARING** to consider **Resolution No. 8683** adopting the 2024 Engineering & Traffic Survey report and **Ordinance No. 2982** amending Title 10 (Vehicles and Traffic) of the Redlands Municipal Code (RMC) and consider the adoption of the ordinance is exempt pursuant to Section 15061(b)(3) of the California Environmental Quality Act Guidelines. The proposed revisions to "Chapter 10.24 (Speed Limits)" include the following: amend RMC Section 10.24.030 – Prima Facie Speed Limits.

City of Redlands, Applicant

The general public and all persons affected by these proceedings may appear and be heard at the time of the Public Hearing. The full text of the proposed Resolution and Ordinance and all materials relevant to this hearing are available for public inspection in the Office of the City Clerk located at 35 Cajon Street, Ste. 4, Redlands, California and in the Municipal Utilities and Engineering Department, located at 35 Cajon Street, Ste. 15A, Redlands, California. Phone number is (909) 798-7698. Website: www.cityofredlands.org

Said public hearing will be held in the Council Chambers, Civic Center, 35 Cajon Street, Ste. 2, Redlands, California, at 6:00 P.M., or as soon thereafter as may be heard, on Tuesday, May 20, 2025.

Due to time constraints and the number of persons wishing to give oral testimony, time restrictions may be placed on oral testimony at any hearing about this project. You may wish to make your comments in writing to assure that you are able to express yourself adequately. Submit written comments to jdonaldson@cityofredlands.org.

If you challenge the ordinance described in this notice in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the City Council at or prior to the public hearing.

_____

Jeanne Donaldson, City Clerk
City of Redlands, California

Display ad to be published no later than May 10, 2025.

RESOLUTION NO. 8348

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS ESTABLISHING TRAFFIC REGULATIONS PURSUANT TO TITLE 10 OF THE REDLANDS MUNICIPAL CODE AND RESCINDING RESOLUTION NO. 7583

WHEREAS, pursuant to studies made under the authority of Title 10 of the Redlands Municipal Code, and the presentation of information contained in such studies, the City Council of the City of Redlands has determined that certain traffic regulations are necessary to protect the public health, safety and welfare and should be established pursuant to Title 10 of the Redlands Municipal Code;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF REDLANDS as follows:

Section 1. This City Council determines that approval of this Resolution is exempt from review under California Environmental Quality Act ("CEQA") pursuant to CEQA Guidelines section 15061 (b)(3) which provides that CEQA applies only to projects which have the potential for causing a significant effect on the environment. The City Council therefore finds with certainty that there is no possibility the approval of this Resolution may have a significant effect on the environment.

Section 2. Pursuant to Chapter 10.24 of the Redlands Municipal Code, a traffic engineering investigation was conducted by RK Engineering Group, Inc. to determine the speed limits for various streets in the City of Redlands, and is attached herein as Exhibit "A," titled "2021 Engineering and Traffic Survey," dated January 18, 2022. The recommended speed limits are hereby established for such streets and found appropriate to facilitate the orderly movement of traffic, and the speed limits are determined to be reasonable and safe.

Section 3. City staff is hereby directed to take all actions to undertake signage to implement this Resolution.

ADOPTED, SIGNED AND APPROVED this 7th day of June, 2022.

Paul T. Barich, Mayor

ATTEST:

Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk of the City of Redlands, hereby certify that the foregoing resolution was duly adopted by the City Council at a regular meeting thereof held on the 7th day of June, 2022, by the following vote:

AYES:	Councilmembers Tejeda, Davis, Guzman-Lowery, Gallagher
NOES:	None
ABSENT:	Mayor Barich
ABSTAIN:	None

Jeanne Donaldson, City Clerk

City Council/Financing Authority Meeting **K. 1.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of the First Amendment to the Non-Professional Services Agreement with Yunex LLC, for Traffic Signal Systems Maintenance, to increase the Contractor's scope of services and compensation for additional services in the amount of $340,000 (Facilities and Community Services Director Crocker)

MOTION(S):

If the City Council determines that staff's recommendation is appropriate, the following motion is provided:

I move to approve the First Amendment to the Non-Professional Services Agreement with Yunex LLC.

RECOMMENDATION:

Staff recommends that the City Council approve the First Amendment to the Non-Professional Services Agreement with Yunex LLC to increase the Contractor's scope of services and compensation in the amount of $340,000 for additional services.

DISCUSSION:

The Facilities and Community Services Departments' Street Division maintains seventy-five traffic signals, eight thousand city lights and bollards, and supporting infrastructure. With the introduction of new technology, maintenance has become more specialized and complex. In addition, the development of the Redlands Passenger Rail Project (RPRP) coordinated signal systems was introduced into the existing system, which requires specialized services to establish and maintain. To address the growing demand and technical expertise needed to operate the new systems, staff advertised a request for proposals for traffic signal maintenance and opened bids on on January 27, 2022. Yunex LLC

was one of six firms that responded to the City's Request for Proposal (RFP) for Traffic Signal Systems Maintenance. Written proposals were evaluated and ranked based on firm qualifications and responsiveness to the requirements of the City's RFP for Traffic Signal Systems Maintenance. Based on the firm's unique qualifications, Yunex LLC was selected as the firm most qualified to perform the services as requested in the City's RFP.

In recent years, additional streetlight poles, conduit, and metered pedestals have been added to the City's inventory. This growth has resulted in an estimated increase of 200-300 service call-outs per month. To aid in maintaining these facilities, staff is requesting the City amend its agreement with Yunex LLC to include the maintenance and service of these assets. These services will be used as needed to supplement the routine work of the division and fulfill after-hours emergency support. Staff is requesting additional capacity in the current agreement to add $340,000.00. This addition will take our current not-to-exceed agreement amount from $2,000,000.00 to $2,340,000.00. Annual expenditures will be made based on need and funding availability within the approved operating budget.

ALTERNATIVES:

The City Council may elect not to award the agreement with Yunex LLC and provide alternative direction to staff.

STRATEGIC PLAN:

Supports Priority D - Sustainability

SUBMITTED BY:
Tabitha Crocker, Facilities and Community Services Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Christopher Boatman, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
Joe Bierma, Administrative Analyst

Fiscal Impact

Fiscal Year: FY 24-26
Amount: $340,000
Budgeted Y/N: Y
Account No.: 101304
Discussion:
Funding for this service is included in the Streets and Electrical Operating Budget request for FY 2024-26.

Attachments

First Amendment to Yunex Agreement
Yunex Agreement 6.7.22

FIRST AMENDMENT TO AGREEMENT TO PERFORM NON-PROFESSIONAL SERVICES FOR IMPROVEMENT TO PUBLIC BUILDINGS AND GROUNDS

This First amendment ("First Amendment") to the agreement for Yunex LLC services ("Agreement"), dated June 7, 2022, by and between the City of Redlands, a municipal corporation and a general law city ("City"), and Yunex LLC, a Delaware limited liability company ("Consultant"), is made and entered into this 20th day of May, 2025.

RECITALS

WHEREAS, it is the desire of the City and Consultant to amend the existing Agreement, specifically the scope of work to include Street Light Maintenance and Services and an increase to compensation.

NOW, THEREFORE, for good and valuable consideration in the receipt of which is hereby acknowledged City and Consultant agree as follows:

AGREEMENT

Section 1. Article 5.1 of the Agreement, entitled "Payments to Contractor" is hereby amended to increase the Contractor's compensation and shall read as follows:

"5.1 The compensation for Contractor's performance of the Services shall not exceed the amount of One Million Two Hundred Sixty Thousand Dollars ($1,260,00.00) for the Services provided during the Initial Term. Should this Agreement be extended, the compensation for Contractor's performance for the Services shall not exceed the amount of Five Hundred Forty Thousand Dollars ($540,000.00) for the first Extended Term; and Five Hundred Forty Thousand Dollars ($540,000.00) for the second Extended Term, bringing the total possible amount of the compensation to a not-to-exceed amount of Two Million Three Hundred Forty Thousand Dollars ($2,340,000.00). For the Initial Term and each Extended Term, City shall pay Contractor on a time and materials basis up to the not-to-exceed amount in accordance with the rates specified in the "Fee Schedule" which is attached hereto as Exhibit "C" and incorporated herein by reference."

Section 2. The Scope of Services set forth in Exhibit "A" of the Agreement is hereby amended as set forth in Attachment "1," which is attached hereto and incorporated herein by this reference.

Section 3. The Price and Fee Bid set forth in Exhibit "C" of the Agreement is hereby amended as set forth in Attachment "2," which is attached hereto and incorporated herein by this reference.

Section 4. All other provisions of the Contract shall remain unchanged by this First Amendment and in effect.

IN WITNESS WHEREOF, the parties have executed this First Amendment, to be effective as of May 5, 2025.

CITY OF REDLANDS

By: _____
Mario Saucedo, Mayor

YUNEX LLC

By: _____
Michael Hutchens, Operations Manager

ATTEST:

_____
Jeanne Donaldson, City Clerk

Attachment 1

EXHIBIT "A"
SCOPE OF SERVICES
(MAY 2025)

A. General

The work to be done, in general, consists of on-call streetlight response maintenance and underground service alert mark outs for locations that are the responsibility of the City of Redlands. The Contractor is to furnish all tools, equipment, supplies, apparatus, facilities, labor and material, transportation, and perform all work necessary to maintain in a good working order all traffic signal facilities, safety lights, preemption devices, video detection cameras and video processors (where present) and solar lighted crosswalks. The Contractor shall provide a written inventory of all maintenance items.
The initial contract for this work will be for a period of 2 months from the effective date.

B. Standard Specifications

All services to be provided by the Contractor pursuant to this Agreement shall be provided by personnel experienced in their respective fields and in a manner consistent with the standards of care, diligence and skill ordinarily exercised by Contractors in similar circumstances in accordance with sound professional practices.

All work performed or equipment or parts supplied by the Contractor shall be subject to the inspection and approval of the City, or an authorized representative. Failure to pass inspection on any maintenance, repair and/or service item will result in non-payment for that item until such time as the Contractor can prove work completed to the satisfaction of the Project Manager.

C. Personnel

The Contractor shall provide at least one (1) full-time signal maintenance technician level III certification as a Traffic Signal Technician from the International Municipal Signal Association (IMSA) for each fifty (50) maintained signals locations unless otherwise approved by the City. All workers shall have IMSA Work Zone Safety certification and State mandated National Electrical Contractors (NEC) certification, unless otherwise approved by the City. Skilled laborers can make hardware repairs under the direct supervision of NEC/IMSA level III certified Traffic Signal Technician. The City reserves the right at all times to approve or deny the Contractor's assignment of personnel to the City. If appropriate, the Contractor shall replace any personnel assigned to the City whose performance or behavior is considered unacceptable by the City or the standards established per the proposal.

The contractor shall, at a minimum, have on their staff three (3) NEC/IMSA certified technicians' level III who are familiar with:

- NEMA TS 1, NEMA TS 2 Cabinets & Controllers
- Caltrans type 170 Cabinets & Controllers
- ATC Cabinets & Controllers
- Econolite's ASC/2, ASC/3, ASC-8000 controllers
- McCain's ATC Flex Controllers
- ATC Preempt Cabinets with special SIU interface

Each technician shall have **A MINIMUM OF THREE (3) YEARS** of experience working and troubleshooting on such controllers, cabinets and ITS communications equipment. The IMSA and NEC certifications held by employees shall be kept in good standing and shall be maintained current throughout the entire duration of the contract.

Contractor shall provide names and qualifications of current staff members who are proposed for this project indicating their level of certifications and job classifications. The Contractor shall update employee lists annually or as personnel changes. The IMSA and NEC certifications held by employees shall be kept in good standing and shall be maintained current throughout the entire duration of the contract.

The Contractor shall use only NEC/IMSA level III certified technicians to service, maintain, and make necessary repairs or installations to traffic signal devices within the confines of the controller cabinet. Skilled laborers can make hardware repairs under the direct supervision of the NEC/IMSA Technician Level III.

D. Equipment, Materials and Parts

The Contractor shall have available and readily accessible all required tools, equipment, apparatus, facilities, traffic control, skilled labor services and materials, etc., to perform all work necessary to maintain traffic signal facilities in good working order. All work performed, or equipment, parts, or materials supplied shall be subject to the inspection and approval of the City or his designated representative.

An inventory of all materials, parts and units owned and stocked by the City at the start of the Contract period shall be made by the Contractor. This will enable the Contractor to determine what materials, parts and units the City has on stock for replacement and/or repair of existing facilities.

It shall be the responsibility of the Contractor to stock such additional materials, parts, or units as may be needed for normal maintenance and repair of the traffic signal equipment. In addition to the City's owned and spare equipment, the Contractor shall provide and be equipped with spare parts sufficient to place the signal system back in operation for ordinary trouble calls, including sensing devices for induction loop detectors.

For every twenty-five (25) intersections, the Contractor shall have on hand:

- One (1) ASC/3 Type 2 Econolite System Controller
- One (1) MMU (malfunction management unit)
- One (1) ATC CMU (conflict monitor unit)

- Two (2) ATC SIU
- Two (2) TS 2 BIU
- One (1) CMU (conflict monitor unit)
- One (1) McCain ATC Flex Controller

In the event of an equipment malfunction, the original equipment shall be returned to service within 30 working days, or an approved replacement controller shall be installed.

The Contractor's service bucket trucks shall be equipped with spare parts sufficient to place the signal system back in operation for ordinary trouble calls. This shall include sensing devices for induction loop detectors and emergency vehicle preemption detectors. The service trucks shall also be equipped with spare parts such as spare LED red, green and yellow, balls and arrows lights, pedestrian signal LED lights, pedestrian push buttons, aluminum '1A' pole and housing, load switches, and program boards. Equipment shall also include, but not be limited to, test apparatus used for diagnostic purposes, a computer laptop and applicable software and tools to make necessary repairs as directed by the City.

In the event of a traffic signal equipment malfunction, the Contractor shall install a contractor owned spare equipment for temporary use while malfunctioning equipment are sent in for repair or replacement equipment is received. There shall be no charge for use of these controllers while the City's equipment is in for repair, or the replacement equipment arrives.

In addition, it shall be the responsibility of the Contractor to stock the necessary controllers, poles, and other materials, parts and supplies to restore an intersection to an operating condition on an emergency basis. For purposes of this section, an operating condition shall mean that all signal phases are working and displayed in a manner in accordance with the (CAMUTCD) California Manual on Uniform Traffic Control Devices, but that all features such as actuation or phase- skipping capabilities are not necessarily restored at the time of the emergency repair, unless approved by the City.

The Contractor shall at a minimum have at least one complete spare signal cabinet at all times for replacement in the event of a knockdown.

No permanent or temporary change of controller mechanisms shall be done without prior approval of the City except in case of an emergency. In the event a change is necessary to respond to an emergency, the Contractor shall notify the City by telephone and by email immediately that the equipment was removed and replaced with approved spare equipment. All costs associated with repairing equipment, including diagnostic costs, shall be approved prior to proceeding with repairs.

E. Equipment, Materials and Parts Required to be Used

Contractor shall only use materials, parts and units supplied and/or recommended by the manufacturers of the malfunctioning traffic signal equipment. Where no specific material, part, or item is recommended by the manufacturer or where the material, part, or unit

cannot be located locally, the material, part or unit used shall be as prescribed per Section 86 of Caltrans Standard Specifications.

The Contractor shall replace or repair any and all defective parts of the controller mechanism as the occasion arises. Controller units, auxiliary equipment and appurtenances such as load switches, Emergency Vehicle Pre-Emption (EVP) devices, detectors, video detection and monitoring cameras, battery backup system equipment, transformers, relays, Ethernet devices, and related items shall be serviced and overhauled as recommended by the manufacturer.

F. Additions and Deletions to the System

The Contractor shall maintain additional traffic signals and appurtenant devices as they are installed or become part of the maintenance requirements immediately upon written notification by the City. Such additional signals shall be maintained at the same unit price as stipulated in the Contract Agreement. In the event that maintenance of a new signal commences at other than the beginning of the monthly period, the unit rate for routine preventative maintenance services shall be prorated from the date maintenance commences.

The City may, at its sole discretion, eliminate signals from this contract. The Contractor shall be notified of such deletions in writing. Such deleted signals shall decrease the invoice at the same unit price as specified in the Contract Agreement. In the event that maintenance of a signal ceases at other than the beginning of the monthly period, the unit rate for routine preventative maintenance services shall be prorated from the date the Contractor was notified.

G. Request for Service Outside of Normal Hours

The Contractor shall expect service requests outside of the Contractor's normal working hours. These service requests may be given by telephone, fax, e-mail, written correspondence or other means for reporting related problems, damages, and emergencies listed in the Scope of Work.

The Contractor shall maintain a local or toll-free telephone number where service can be reached twenty-four (24) hours per day, seven (7) days per week, and three hundred and sixty-five (365) days per year, in order to effectively address and respond to both routine and emergency service requests.

The telephone number is to be made available to the City-or his representative, and the city of Redlands Police Department. All requests shall be addressed by an appropriate timely response as outlined in this Scope of Work. For the purpose of this contract, "normal hours" shall be defined as Monday through Friday between 7:00 a.m. to 5:00 p.m. (excluding holidays formally recognized by the City).

H. Response Criteria for Routine Services and Emergency

Routine requests shall be responded to during normal hour within twenty-four (24) hours of first notification or the first Monday unless a holiday falls on it, after a weekend unless the City agrees upon other arrangements.

The Contractor will need to ascertain whether service requests are of an "emergency" nature requiring an immediate response or whether the request is general in nature requiring routine response. The City may also deem a traffic signal malfunction an emergency condition at its sole discretion. ***Requests deemed to be "emergencies" shall be responded to immediately with all possible haste, arriving at the signal location within one hour (1 hour) of first notification.***

When responding to an emergency or a called in request or an emailed request, the contractor shall note on their paper work the name of the person, date and time of the request.

In general, the following events shall establish an emergency condition:

- Totally blacked out traffic signals. For the intersections in which they are totally blacked out the city will use the following California vehicle code section 21800 until such time repairs or corrections are made to the affected intersections.
- Failure or malfunction of the traffic signal system or interruption of normal signal operations so as to create a public hazard. This may be caused by damage from vehicle collisions or accidents, acts of nature, civil disorder, malicious mischief, vandalism, or actions of other contractors or utility companies.
- Indications in conflict or signal heads are out for any one traffic movement bulbs including bulbs and lenses but not power outage
- Signal/pedestrian heads end or alignments that that give conflicting indications rendered not invisible to any intersection approach.
- Signal cabinet and or signal pole knocked down.
- A red light is reported burned out.
- Any primary head indication is out.
- Any appurtenant traffic signal equipment such as traffic signal heads, street name signs or other regulatory signs, warning or guide signs affixed to mast arms or poles, reported to be knocked down, dangling, or otherwise creating a public hazard shall be immediately repaired or removed as an emergency situation in order to eliminate the hazard or unsafe condition.
- As part of the Contractor's emergency call response, the Contractor may be required to respond to accident scenes at signalized intersections to perform a review of the traffic signal system operation and equipment. The Contractor shall, in this case, thoroughly examine and inspect all equipment at the location for any physical damage or equipment malfunction, including a timing check of the controller. Upon completion of this examination the Contractor shall submit, in writing a report summarizing the results of the examination and inspection to the Department Director or his designee. These results shall also be placed in the

maintenance records of the intersection maintained by the Contractor.

- Any other repair that is deemed an emergency by the City.

Under these conditions, the Contractor shall immediately restore the traffic signal to normal operations. If that is not possible due to the extent of damage, sufficient repairs shall be made to enable the intersection to operate safely.

For emergency repair purposes, the Contractor's vehicle shall have immediately available the following equipment: portable stop signs to be installed if required, barricades, cones, replacement signal heads, pedestrian heads, I-A signal pole, load switches, controller, and other related equipment and tools which may be required to repair said damage.

For the emergency repair of a signal, the following procedure for traffic control shall apply:

1. The Contractor shall dispatch qualified personnel and equipment to reach the site within the time frame specified in this Scope of Work for emergency call-out. The Contractor shall carry in their vehicle(s) an adequate supply of stop signs, barricades, traffic cones, etc., which shall be used when controlling traffic during an emergency and/or when necessary by the signal Department Director or their alternate deemed.
2. If no police officer is present and temporary stop signs have been set up when the Contractor arrives at the site, the Contractor shall place the intersection in flash in the signal cabinet before setting up more traffic warning and control devices, if deemed necessary, and
proceed to repair the signal. After the signal is back in operation, the Contractor shall remove all of the temporary stop signs and other traffic control devices and return those devices owned by the City to the City Yard.
3. If a police officer is still at the site when the Contractor arrives, the Contractor shall quickly examine the signal, evaluate the situation, discuss it with the police officer, and obtain a Traffic Accident Report Number (if applicable) to be submitted with the invoice for work performed at the signal. If the repair will take longer than the officer can wait and has determined it to be a hazard the Contractor shall immediately place the intersection in flash, set up signs and all other necessary warning devices to protect the motoring public. The Contractor shall also notify the representative, of the any delay and the approximate time of the Contractor's response to such an emergency. Any delay times will not be charged to the City. Contractor shall contact the city prior to responding to the call so it may be tracked.
4. Notification - The Contractor shall notify the City or his authorized representative of any planned alterations, substitutions, or removal of any controller or component, or alteration to the operation of any signal system during normal business hours and give notice to the City same business day of the scheduled work. Notification of changes made at times other than normal business hours, notification to the City shall be reported by telephone or email within two
(2) hour of the next business day.
The Contractor shall then call and also confirm via e-mail the morning of each day that any planned extraordinary maintenance that is directed to take place during that day. The

Contractor shall notify the department director, or his authorized representative, of the proposed maintenance specifying the type of maintenance, location, and the approximate time of the day. If work is commenced without obtaining approval from the City, payment will not be made until City staff can inspect the work.
For emergency call-outs during normal business hours of the City, notification by telephone shall be made within one (1) hour of such response. Notifications at times other than normal business hours of the City shall be reported by telephone within two (2) hour of the beginning of the next business day of the City. The Contractor shall thoroughly examine and inspect all equipment at the location for any physical damage or equipment malfunction. Within five (5) calendar days after completion of this examination, the Contractor shall submit, in writing, a report summarizing the results of the examination and inspection to the City or his designated representative. These results shall also be placed in the maintenance records of the intersection maintained by the Contractor.

I. Maintenance Records

The Contractor shall keep a current, permanent operational record of all work performed at the intersection, including, but not limited to, routine maintenance, emergency and nonemergency service calls, and extraordinary maintenance, of each and every piece of traffic control or safety equipment that the Contractor is required to maintain by this contract. The Contractor shall also track the replacement schedule of signal indications and batteries as per the contract documents. These records shall be kept at each maintained location on a form approved by the City. A copy of such records shall be provided to the Director or his authorized representative within two (2) working days upon request. The form shall include, at a minimum, the location, the date, time, description of the call, PM service or malfunction device narrative of deficiencies encountered, and a detail of any and all corrective actions(s) taken. Entries shall be made legibly in indelible ink and shall be initialed by the technician's employee # when making the entry. The Contractor shall maintain an electronic database of the maintenance records that is remotely accessible by the Director or designee .The database shall be specific for each Agency and searchable by intersection. A written cabinet log shall be kept in each cabinet that includes date and time of repairs, who performed the work, and a brief description of the work that was done. In addition, a checklist of items in Section U-1 below for each tri-monthly routine PM check shall be kept in each signal cabinet. The maintenance records shall be provided to the City on a monthly basis as part of the monthly invoice from the Contractor.

J. Monthly Maintenance Reports

The City of-REDLANDS has approximately 72 traffic signals that are to be divided into three approximately equal lists, and the traffic signals on each list are to be visited once every three months. The Contractor shall develop a monthly summary report in cooperation with the City to be submitted with the monthly invoice for those signals subject to review that month. This monthly summary report shall itemize all activities relating to traffic signal and safety lighting maintenance for each maintained location. The summary report shall list the maintenance history of the entire reporting period for each individual signal location and any deficiencies found including travel, arrival and departure times,

dates and location of the repairs, vehicle and service personnel dispatched, types of repairs made, police report # if responded to, requested call(s) and all materials and equipment used for each day worked. A chronological report of all maintenance activities throughout the month is not sufficient. The summary reports shall be submitted to the City within ten (10) days following the end of the month of the reporting period. Invoices will not be paid until the summary report has been reviewed. Reports shall be submitted electronically (in addition to a hard copy). The format is to be an MS Windows Excel spreadsheet.

The following information shall be legible and at a minimum, is required for each signal location:

- Location by intersection and identification of a specific corner or direction of traffic when applicable
- Date and time the call was received and the first and last name of the caller or self-initiated
- Date and time the Contractor's personnel and equipment arrived at the scene
- Travel time when applicable
- Date and time the job was completed
- Nature of the malfunction, if any, and a description of the action taken by the Contractor
- Notation of routine, extraordinary, or additional work (including emergency work)
- Accident report number (from RPD) for all accident related work.
- Replacement of equipment including the model, part number and serial number

All records are the property of the City of Redlands and at the termination of this contract shall be delivered to the City.

K. Salvaged or Damaged Equipment and Ownership

Ownership of all materials existing and incorporated in the work is vested in the name of the City of Redlands. Salvaged or damaged equipment shall become the property of the Contractor unless otherwise directed by the City. Contractor is responsible for the proper disposal and recycling of such material.
Failure to provide adequate safety devices, as directed by the Director or designee, will cause the City to install safety devices as needed and the cost will be assessed to the Contractor at the City's actual cost. The City shall be entitled to offset any costs incurred against the Contractor's invoice.

All costs for traffic control shall be included in the various items of work, and no additional compensation will be allowed.

L. Damage

Adjacent improvements such as street pavement, curbs, sidewalks, sprinklers, landscaping, hardscaping, driveways, and gutters damaged as a result of the Contractor's operation shall be repaired to the satisfaction of Director or designee at the Contractor's expense.

M. Sound and Noise Control

The Contractor shall comply with all local sound control and noise level rules, regulations, and City ordinances, which apply to any work performed pursuant to the contract.

N. Types of Signals / Equipment

The Fee Schedule for both the routine and extraordinary maintenance shall apply to all types of signal controllers, accessories and systems as may exist in the City now or that may be installed during the life of the contract.

O. Meetings

Meetings may be required for the purpose of discussing contract provisions, problems and/or issues and ensuring that the work is proceeding as per the contract documents. The Contractor will be notified in advance and required to attend and participate in these meetings with City staff as needed. These meetings will be called by the Director or his authorized representative. Full compensation for attending these meetings shall be considered as included in the various items of work and no additional compensation shall be allowed therefore.

P. Estimate of Quantities

The quantities shown in the Contract Agreement shall be considered as approximate only. The City does not guarantee or agree, either expressly or by implication that the actual amounts required would correspond therewith, and reserves the right to increase or decrease the amount of any item or portion of work or material to be performed or furnished, or to omit any such item or portion, in accordance with the provisions relative thereto set forth in this "Scope of Work."

Q. Routine Preventative Maintenance Program

The Contractor shall provide a program of routine preventative maintenance designed to eliminate or reduce the incidents of malfunction and extend the useful life of the equipment.

R. Routine Preventative Maintenance of Traffic Signals and Safety Lighting Systems

Inspect and service each signalized intersection once every three months. The Contractor shall provide all material, parts, labor, equipment and transportation, including a service bucket truck

capable of performing all the required maintenance functions for each assigned technician, to perform this COMPLETE list of services, on a tri-monthly basis.

S. Extraordinary Maintenance

Extraordinary maintenance as listed in the Contract Agreement includes all the labor, equipment, parts and materials necessary to ensure the safe and efficient operation of the City's traffic signal system that goes beyond the normal routine preventative maintenance program established by this Scope of Work. Items of extraordinary maintenance or extra work generally include the following:

- Furnish and install replacement traffic signal cabinet assembly including new foundation and all wiring.
- Furnish and install replacement service cabinet, foundation and wiring.
- Furnish and install replacement traffic signal poles and mast arms.
- Furnish and install replacement vehicle and pedestrian signal indications.
- Furnish and install replacement conduits, pull boxes, lids and wiring.
- Furnish and install replacement panels or Reflectorized street name signs (RSNS) as directed by the City.
- Furnish and install replacement safety lights.
- Furnish and install replacement traffic signal control equipment and components.
- Furnish and install replacement batteries.
- Paint Signal Equipment
- Cut and install replacement detector loops.

Extraordinary maintenance, except for emergency repairs as provided for in this Scope of Work, shall require prior written authorization from the City. In situations requiring immediate response, verbal authorization from the City or his authorized representative is sufficient followed by a written authorization.

The City will compensate the Contractor for such additional work based on the verified invoice cost of materials, equipment and labor. Billing for such additional work shall reflect the labor rates established by the Fee Schedule. Upon receipt of an itemized invoice within thirty (30) days of completion of work, the City shall compensate the Contractor for additional work.

In the event a price cannot be agreed upon for very specific work not covered by the Fee Schedule, the City reserves the right to repair and/or solicit quotations or invite bids and

award work to any Contractor to perform such additional work.

T. Price Markup

The City will allow a maximum of 15% markup for materials only required to complete Extraordinary Maintenance as provided for in this Scope of Work.

U. Permits, Licenses, and Inspections

The Contractor and all its subcontractors shall obtain and pay for a City business license from the City of Redlands prior to the commencement of work, and obtain a no-fee Right-of Way Encroachment Permit and Traffic Control Permit from the City.

The Contractor shall have a Class A and/or California "C-10" Contractor's license at the time of awarding of the contract.

All work performed, or equipment or parts supplied by the Contractor, shall be subject to inspections and approval of the City, or his authorized representative.

Attachment 2

EXHIBIT “C”
PRICE AND FEE BID
(MAY 2025)

Item #	Item Description	Unit	Unit Cost		
DEFINED SERVICES					
1	Routine Preventative Maintenance of Traffic Signal System performed at each intersection (Includes all items listed in Scope of Services)	EA	$93.00	-	-
2	Bi Annual night inspection of Safety Lighting	EA	$8.50		
3	Routine Preventative Maintenance of lighted crosswalk systems.	EA	$56.00		
4	Replacement of inoperable incandescent safety lights	EA	$85.00		
5	Replacement of inoperable LED safety lights	EA	$600.00		
6	Replacement of missing or damaged visors	EA	$93.00		
7	Replacement of reflective street name sign panel	EA	$90.00		
8	Replacement of standard loop detector with Type "E" 6' diameter traffic loop, including saw-cut lead-in and cable splicing with hot melt sealant.	EA	$590.00		
9	Replacement of inoperable LED vehicle lamp assembly - ball indication	EA	$105.00		
10	Replacement of inoperable LED vehicle lamp assembly - arrow indication	EA	$105.00		
11	Replacement of countdown signal pedestrian LED module	EA	$180.00		
12	New P.P. B. symbol sign current per State standard	EA	$50.00		
13	Conflict monitor testing (Field and Bench)	EA	$60.00		
14	Replacement of batteries for battery back-up system	EA	$350.00		
15	USA Markout (up to 10 tickets) Day Rate	DAY	$11,246.00		
16	USA Markout (individual markout/call out)	EA	$245.00		

17	Knockdown Pole Replacement – No Foundation (standard pole 1C1 concrete poles)	EA	$5,190.00		
18	Knockdown Pole Replacement – with Foundation (standard pole 1C1 concrete poles)	EA	$7,920.00		
19	Materials will be charged at Cost + 15% Markup	EA	15% Markup from Cost		
LABOR RATES			**Regular Rate***	**Overtime Rate***	**Premium Rate***
19	Minimum Call Out Labor Charge	EA	$225.00	-	-
20	Signal Maintenance Superintendent or Supervisor	HR	$165.00	$144.00	$173.00
21	Traffic Signal Technician Level II	HR	$112.00	$139.00	$165.00
22	Traffic Signal Technician Level III	HR	$112.00	$139.00	$165.00
23	Maintenance Electrician	HR	$112.00	$139.00	$165.00
24	Outdoor Lighting Technician	HR	$75.00	$93.00	$112.00
25	Bench Technician	HR	$112.00	$139.00	$165.00
26	Communications Maintenance Technician	HR	$111.00	$143.00	$174.00
27	Streetlight Technician	HR	$112.00	$139.00	$165.00
28	Maintenance Technician	HR	$112.00	$139.00	$165.00
29	Laborer	HR	$105.00	$147.00	$147.00
EQUIPMENT RATES					
30	Service Truck	HR	$25.00		
31	Aerial/Bucket Truck	HR	$35.00		
32	Crane Truck	HR	$65.00		
33	Concrete Saw/Water Truck	HR	$5.00		
34	Air Compressor with Tools	HR	$1.00		

*Regular, Overtime, and Premium Time Explanation:

- Regular Hours: Monday thru Friday (excluding holidays) from 7:30am to 4:00pm.
- Overtime Hours: Monday thru Friday after these work hours for the first four straight hours on any job as well as Saturdays for the initial 8 working hours.
- Premium Hours: Monday thru Friday after four hours of OT on any one job, Saturdays after 8 hours on any one job, all day Sunday starting at 12:00am until Monday at 7:30am and all holidays starting at 12:00am until the next morning at 7:30am.

AGREEMENT TO PERFORM NON-PROFESSIONAL SERVICES
FOR IMPROVEMENT TO PUBLIC BUILDINGS AND GROUNDS

This agreement for the provision of traffic signal systems maintenance ("Agreement") is made and entered in this 7th day of June, 2022 ("Effective Date"), by and between the City of Redlands, a municipal corporation and general law city ("City") and Yunex, LLC, a California limited liability company ("Contractor"). City and Contractor are sometimes individually referred to herein as a "Party" and, together, as the "Parties." In consideration of the mutual promises contained herein, City and Contractor agree as follows:

ARTICLE 1 – ENGAGEMENT OF CONTRACTOR

1.1 City hereby engages Contractor to perform traffic signal systems maintenance services for City (the "Services"). The Services that Contractor shall perform are more particularly described in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by this reference.

1.2 The Services shall be performed by Contractor in a professional manner, and Contractor represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional Contractors in the industry providing like and similar types of Services.

ARTICLE 2 – RESPONSIBILITIES OF CONTRACTOR

2.1 Contractor shall comply with all applicable federal, state and local laws and regulations in the performance of the Services including, but not limited, to all applicable Labor Code and prevailing wage laws and non-discrimination laws, including the Americans with Disabilities Act. Pursuant to Labor Code section 1773.2, copies of the prevailing rates of per diem wages as determined by the Director of the California Department of Industrial Relations for each craft, classification or type of worker needed to undertake the Services are on file at City's Municipal Utilities and Engineering Department, located at the Civic Center, 35 Cajon Street, Suite 15A (Mailing: P.O. Box 3005), Redlands, California 92373.

2.2 Contractor acknowledges that if it violates the Labor Code provisions relating to prevailing wages that City may enforce such provisions by withholding payments to Contractor or its subcontractors pursuant to Labor Code section 1771.6.

2.3 If Contractor executes an agreement with a subcontractor to perform any portion of the Services, Contractor shall comply with Labor Code sections 1775 and 1777.7, and shall provide the subcontractor with copies of the provisions of Labor Code sections 1771, 1775, 1776, 1777.5, 1813 and 1815. Contractor acknowledges that the statutory provisions establishing penalties for failure to comply with state wage and hour laws and to pay prevailing wages may be enforced by City pursuant to Labor Code sections 1775 and 1813.

2.4 Contractor and its subcontractors shall comply with the provisions of Labor Code section 1776 regarding payroll records maintenance, certifications, retention and inspection.

2.5 Contractor acknowledges that eight (8) hours constitutes a legal day's work pursuant to Labor Code section 1810.

2.6 Contractor shall comply with the provisions of Labor Code section 1777.5 as to apprenticeships, and Labor Code sections 1771, 1775, 1776, 1777.5, 1813 and 1815.

2.7 Pursuant to Public Contract Code section 7103.5(b), Contractor offers and agrees to assign to City all rights, title and interest in and to all causes of action it may have under section 4 of the Clayton Act (15 U.S.C. section 15) or under the Cartwright Act (Chapter 2 (commencing with section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, goods or materials pursuant to this Agreement.

ARTICLE 3 – RESPONSIBILITIES OF CITY

3.1 City shall make available to Contractor information in its possession that may reasonably assist Contractor in performing the Services.

3.2 City designates Chris Boatman, Assistant City Manager, as City's representative with respect to performance of the Services, and such person shall have the authority to transmit instructions, receive information, interpret and define City's policies and decisions with respect to performance of the Services.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 The term of this Agreement shall be for a period of three (3) years from the Effective Date of this Agreement (the "Initial Term"). The City shall have the option to extend the Initial Term of this Agreement by two (2) additional one-year terms (each, an "Extended Term"), on the same terms and conditions, by providing written notice to Contractor at least thirty (30) days prior to the expiration of the Initial Term or any Extended Term. The Initial Term and the Extended Terms are hereby collectively, referred to herein as the "Term" of this Agreement.

4.2 Contractor shall furnish a labor and material bond in the form attached hereto as Exhibit "B," which is attached hereto and incorporated herein by this reference, in an amount equal to one hundred percent (100%) of the total compensation to be paid to Contractor pursuant to this Agreement.

ARTICLE 5 – PAYMENTS TO CONTRACTOR

5.1 The compensation for Contractor's performance of the Services shall not exceed the amount of One Million Two Hundred Thousand Dollars ($1,200,000) for the Services provided during the Initial Term. Should this Agreement be extended, the compensation for Contractor's performance for the Services shall not exceed the amount of Four Hundred Thousand Dollars ($400,000) for the first Extended Term; and Four Hundred Thousand ($400,000) for the second Extended Term, bringing the total possible amount of compensation to a not-to-exceed amount of Two Million Dollars ($2,000,000). For the Initial Term and each Extended Term, City shall pay Contractor on a time and materials

basis up to the not to not-to-exceed amount in accordance with the rates specified in Exhibit "C," titled "Price and Fee Bid," which is attached hereto and incorporated herein by reference.

5.2 Contractor shall submit monthly invoices to City describing the Services performed during the preceding month. Contractor's invoices shall include a brief description of the Services performed, the dates the Services were performed, the number of hours spent and by whom. City shall pay Contractor no later than thirty (30) days after receipt and approval by City of Contractor's invoice.

5.3 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY	CONTRACTOR
City Clerk	Michael J. Hutchens, Operations Manager
City of Redlands	Yunex, LLC
35 Cajon Street	2250 Business Way
P.O. Box 3005 (mailing)	Riverside, CA 92501
Redlands, CA 92373	michael.hutchens@yunextraffic.com
jdonaldson@cityofredlands.org	951-784-6600
(909) 798-7531	951-784-6700

ARTICLE 6 – INSURANCE AND INDEMNIFICATION

6.1 The following insurance coverage required by this Agreement shall be maintained by Contractor for the duration of its performance of the Services. Contractor shall not perform any Services unless and until the required insurance listed below is obtained by Contractor. Contractor shall provide City with certificates of insurance and endorsements evidencing such insurance prior to commencement of the Services. Insurance policies shall include a provision prohibiting cancellation or modification of the policy except upon thirty (30) days prior written notice to City.

A. Workers' Compensation and Employer's Liability insurance in the amount that meets statutory requirements with an insurance carrier acceptable to City, or certification to City that Contractor is self-insured or exempt from the workers' compensation laws of the State of California. Contractor shall execute and provide City with Exhibit "D," titled "Workers' Compensation Insurance Certification," which is attached hereto and incorporated herein by this reference, prior to performance of the Services.

B. Comprehensive General Liability insurance with carriers acceptable to City in the

minimum amount of One Million Dollars ($1,000,000) per occurrence and Two Million Dollars ($2,000,000) aggregate, for public liability, property damage and personal injury is required. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

C. Business Auto Liability coverage, with minimum limits of One Million Dollars ($1,000,000) per occurrence, combined single limit bodily injury liability and property damage liability. This coverage shall include all Contractor owned vehicles used in connection with Contractor's provision of the Services, hired and non-owned vehicles, and employee non-ownership vehicles. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

6.2 Contractor shall defend, indemnify, and hold harmless City and its elected and appointed officials, employees and agents from and against any and all claims, losses and liability, including attorneys' fees, arising from injury or death to persons or damage to property occasioned by any negligent act or omission by, or the willful misconduct of Contractor, or its officers, employees and agents in performing the Services.

ARTICLE 7 – CONFLICTS OF INTEREST

7.1 Contractor covenants and represents that it does not have any investment or interest in any real property that may be the subject of this Agreement or any other source of income, interest in real property or investment that would be affected in any manner or degree by the performance of Contractor's Services. Contractor further covenants and represents that in the performance of its duties hereunder, no person having any such interest shall perform any Services under this Agreement.

7.2 Contractor agrees it is not a designated employee within the meaning of the Political Reform Act because Contractor:

A. Does not make a governmental decision whether to:

(i) approve a rate, rule or regulation, or adopt or enforce a City law;
(ii) issue, deny, suspend or revoke any City permit, license, application, certification, approval, order or similar authorization or entitlement;
(iii) authorize City to enter into, modify or renew a contract;
(iv) grant City approval to a contract that requires City approval and to which City is a party, or to the specifications for such a contract;
(v) grant City approval to a plan, design, report, study or similar item;
(vi) adopt, or grant City approval of, policies, standards or guidelines for City or for any subdivision thereof.

B. Does not serve in a staff capacity with City and in that capacity, participate in making a governmental decision or otherwise perform the same or substantially the same duties for City that would otherwise be performed by an individual holding a position specified in City's Conflict of Interest Code under Government Code section 87302.

7.3 In the event City determines that Contractor must disclose its financial interests, Contractor shall complete and file a Fair Political Practices Commission Form 700, Statement of Economic Interests, with the City Clerk's office pursuant to the written instructions provided by the City Clerk.

ARTICLE 8 – GENERAL CONSIDERATIONS

8.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing Party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees, including fees for the use of in-house counsel by a Party.

8.2 Contractor shall not assign any of the Services, except with the prior written approval of City and in strict compliance with the terms and conditions of this Agreement. Any assignment or attempted assignment without such prior written consent may, in the sole discretion of City, results in City's immediate termination of this Agreement.

8.3 Contractor is for all purposes under this Agreement an independent contractor and shall perform the Services as an independent contractor. Neither City nor any of its agents shall have control over the conduct of Contractor or Contractor's employees, except as herein set forth. Contractor shall supply all necessary tools and instrumentalities required to perform the Services. Assigned personnel employed by Contractor are for its account only, and in no event shall Contractor or personnel retained by it be deemed to have been employed by City or engaged by City for the account of, or on behalf of City. Contractor shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent, nor shall Contractor have any authority, express or implied, to bind City to any obligation.

8.4 This Agreement may be terminated by City, in its sole discretion, by providing not less than five (5) days prior written notice to Contractor of City's intent to terminate. If this Agreement is terminated by City, an adjustment to Contractor's compensation shall be made, but (i) no amount shall be allowed for anticipated profit or unperformed Services, and (ii) any payment due Contractor at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Contractor. Upon receipt of a termination notice, Contractor shall immediately discontinue its provision of the Services and, within five (5) days of the date of the termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of project related data, design calculations, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by Contractor in performing the Services. Contractor shall be compensated on a pro-rata basis for Services completed up to the date of termination.

8.5 Contractor shall maintain books, ledgers, invoices, accounts and other records and documents evidencing costs and expenses related to the Services for a period of three (3) years, or for any longer period required by law, from the date of final payment to Contractor

pursuant to this Agreement. Such books shall be available at reasonable times for examination by City at the office of Contractor.

8.6 This Agreement, including the Exhibits incorporated herein by reference, represents the entire agreement and understanding between the Parties as to the matters contained herein, and any prior negotiations, written proposals or verbal agreements relating to such matters are superseded by this Agreement. Except as otherwise provided for herein, any amendment to this Agreement shall be in writing, approved by City and signed by City and Contractor.

8.7 This Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflicts of laws provisions. The Parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and litigated only in the state courts located in San Bernardino County, California, and the federal courts located in Riverside County, California.

8.8 If one or more of the sentences, clauses, paragraphs or sections contained in this Agreement is declared invalid, void or unenforceable by a court of competent jurisdiction, the same shall be deemed severable from the remainder of this Agreement and shall not affect, impair or invalidate the remaining sentences, clauses, paragraphs or sections contained herein, unless to do so would deprive a Party of a material benefit of its bargain under this Agreement.

IN WITNESS WHEREOF, duly authorized representatives of City and Contractor have signed in confirmation of this Agreement.

CITY OF REDLANDS

By: _____
Paul T. Barich, Mayor

YUNEX, LLC

By: _____
Michael Hutchens, Operations Manager

ATTEST:

_____
Jeanne Donaldson, City Clerk

EXHIBIT "A"

SCOPE OF SERVICES

A. General

The work to be done, in general, consists of routine preventative maintenance, extraordinary maintenance, and additional maintenance of traffic signal systems for locations that are the responsibility of the City of Redlands. The Contractor is to furnish all tools, equipment, supplies, apparatus, facilities, labor and material, transportation, and perform all work necessary to maintain in a good working order all traffic signal facilities, safety lights, preemption devices, video detection cameras and video processors (where present) and solar lighted crosswalks. The Contractor shall provide a written inventory of all maintenance items.

The initial contract for this work will be for a period of 2 years from the Notice of Award, with an additional three one-year extensions.

B. Standard Specifications

All services to be provided by the Contractor pursuant to this Agreement shall be provided by personnel experienced in their respective fields and in a manner consistent with the standards of care, diligence and skill ordinarily exercised by Contractors in similar circumstances in accordance with sound professional practices.

All work performed or equipment or parts supplied by the Contractor shall be subject to the inspection and approval of the City, or an authorized representative. Failure to pass inspection on any maintenance, repair and/or service item will result in non-payment for that item until such time as the Contractor can prove work completed to the satisfaction of the Project Manager.

C. Personnel

The Contractor shall provide at least one (1) full-time signal maintenance technician level III certification as a Traffic Signal Technician from the International Municipal Signal Association (IMSA) for each fifty (50) maintained signals locations unless otherwise approved by the City. All workers shall have IMSA Work Zone Safety certification and State mandated National Electrical Contractors (NEC) certification, unless otherwise approved by the City. Skilled laborers can make hardware repairs under the direct supervision of NEC/IMSA level III certified Traffic Signal Technician. The City reserves the right at all times to approve or deny the Contractor's assignment of personnel to the City. If appropriate, the Contractor shall replace any personnel assigned to the City whose performance or behavior is considered unacceptable by the City or the standards established per the proposal.

The contractor shall, at a minimum, have on their staff three (3) NEC/IMSA certified technicians' level III who are familiar with:

- NEMA TS 1, NEMA TS 2 Cabinets & Controllers
- Caltrans type 170 Cabinets & Controllers
- ATC Cabinets & Controllers
- Econolite's ASC/2, ASC/3, ASC-8000 controllers
- McCain's ATC Flex Controllers
- ATC Preempt Cabinets with special SIU interface

Each technician shall have **A MINIMUM OF THREE (3) YEARS** of experience working and troubleshooting on such controllers, cabinets and ITS communications equipment. The IMSA and NEC certifications held by employees shall be kept in good standing and shall be maintained current throughout the entire duration of the contract.

When requested by the City, the Contractor may be required to assist in the field inspection of new installations.

Contractor shall provide names and qualifications of current staff members who are proposed for this project indicating their level of certifications and job classifications. Bidders who fail to demonstrate they have qualified technicians currently on staff will be considered nonresponsive. The Contractor shall update employee lists annually or as personnel changes. The IMSA and NEC certifications held by employees shall be kept in good standing and shall be maintained current throughout the entire duration of the contract.

The Contractor shall use only NEC/IMSA level III certified technicians to service, maintain, and make necessary repairs or installations to traffic signal devices within the confines of the controller cabinet. Skilled laborers can make hardware repairs under the direct supervision of the NEC/IMSA Technician Level III.

D. Equipment, Materials and Parts

The Contractor shall have available and readily accessible all required tools, equipment, apparatus, facilities, traffic control, skilled labor services and materials, etc., to perform all work necessary to maintain traffic signal facilities in good working order. All work performed, or equipment, parts, or materials supplied shall be subject to the inspection and approval of the City or his designated representative.

An inventory of all materials, parts and units owned and stocked by the City at the start of the Contract period shall be made by the Contractor. This will enable the Contractor to determine what materials, parts and units the City has on stock for replacement and/or repair of existing facilities.

It shall be the responsibility of the Contractor to stock such additional materials, parts, or units as may be needed for normal maintenance and repair of the traffic signal equipment. In addition to the City's owned and spare equipment, the Contractor shall provide and be equipped with spare parts sufficient to place the signal system back in operation for ordinary trouble calls, including sensing devices for induction loop detectors.

For every twenty-five (25) intersections, the Contractor shall have on-hand:

One (1) ASC/3 Type 2 Econolite System Controller
One (1) MMU (malfunction management unit)
One (1) ATC CMU (conflict monitor unit)
Two (2) ATC SIU
Two (2) TS 2 BIU
One (1) CMU (conflict monitor unit)
One (1) McCain ATC Flex Controller

In the event of an equipment malfunction, the original equipment shall be returned to service within 30 working days, or an approved replacement controller shall be installed.

The Contractor's service bucket trucks shall be equipped with spare parts sufficient to place the signal system back in operation for ordinary trouble calls. This shall include sensing devices for induction loop detectors and emergency vehicle preemption detectors. The service trucks shall also be equipped with spare parts such as spare LED red, green and yellow, balls and arrows lights, pedestrian signal LED lights, pedestrian push buttons, aluminum '1A' pole and housing, load switches, and program boards. Equipment shall also include, but not be limited to, test apparatus used for diagnostic purposes, a computer laptop and applicable software and tools to make necessary repairs as directed by the City.

In the event of a traffic signal equipment malfunction, the Contractor shall install a contractor owned spare equipment for temporary use while malfunctioning equipment are sent in for repair or replacement equipment is received. There shall be no charge for use of these controllers while the City's equipment is in for repair, or the replacement equipment arrives.

In addition, it shall be the responsibility of the Contractor to stock the necessary controllers, poles, and other materials, parts and supplies to restore an intersection to an operating condition on an emergency basis. For purposes of this section, an operating condition shall mean that all signal phases are working and displayed in a manner in accordance with the (CAMUTCD) California Manual on Uniform Traffic Control Devices, but that all features such as actuation or phase-skipping capabilities are not necessarily restored at the time of the emergency repair, unless approved by the City.

The Contractor shall at a minimum have at least one complete spare signal cabinet at all times for replacement in the event of a knockdown.

No permanent or temporary change of controller mechanisms shall be done without prior approval of the City except in case of an emergency. In the event a change is necessary to respond to an emergency, the Contractor shall notify the City by telephone and by email immediately that the equipment was removed and replaced with approved spare equipment. All costs associated with repairing equipment, including diagnostic costs, shall be approved prior to proceeding with repairs.

E. Equipment, Materials and Parts Required to be Used

Contractor shall only use materials, parts and units supplied and/or recommended by the manufacturers of the malfunctioning traffic signal equipment. Where no specific material, part, or item is recommended by the manufacturer or where the material, part, or unit cannot be located locally, the material, part or unit used shall be as prescribed per Section 86 of Caltrans Standard Specifications.

The Contractor shall replace or repair any and all defective parts of the controller mechanism as the occasion arises. Controller units, auxiliary equipment and appurtenances such as load switches, Emergency Vehicle Pre-Emption (EVP) devices, detectors, video detection and monitoring cameras, battery backup system equipment, transformers, relays, Ethernet devices, and related items shall be serviced and overhauled as recommended by the manufacturer.

F. Additions and Deletions to the System

The Contractor shall maintain additional traffic signals and appurtenant devices as they are installed or become part of the maintenance requirements immediately upon written notification by the City. Such additional signals shall be maintained at the same unit price as stipulated in the Contract Agreement. In the event that maintenance of a new signal commences at other than the beginning of the monthly period, the unit rate for routine preventative maintenance services shall be prorated from the date maintenance commences.

The City may, at its sole discretion, eliminate signals from this contract. The Contractor shall be notified of such deletions in writing. Such deleted signals shall decrease the invoice at the same unit price as specified in the Contract Agreement. In the event that maintenance of a signal ceases at other than the beginning of the monthly period, the unit rate for routine preventative maintenance services shall be prorated from the date the Contractor was notified.

G. Request for Service Outside of Normal Hours

The Contractor shall expect service requests outside of the Contractor's normal working hours. These service requests may be given by telephone, fax, e-mail, written correspondence or other means for reporting related problems, damages, and emergencies listed in the Scope of Work.

The Contractor shall maintain a local or toll-free telephone number where service can be reached twenty-four (24) hours per day, seven (7) days per week, and three hundred and sixty-five (365) days per year, in order to effectively address and respond to both routine and emergency service requests. The telephone number is to be made available to the City-or his representative, and the city of Redlands Police Department. All requests shall be addressed by an appropriate timely response as outlined in this Scope of Work. For the purpose of this contract, "normal hours" shall be defined as Monday through Friday between 7:00 a.m. to 5:00 p.m. (excluding holidays formally recognized by the City).

H. Response Criteria for Routine Services and Emergency

Routine requests shall be responded to during normal hour within twenty-four (24) hours of first notification or the first Monday unless a holiday falls on it, after a weekend unless the City agrees upon other arrangements.

The Contractor will need to ascertain whether service requests are of an "emergency" nature requiring an immediate response or whether the request is general in nature requiring routine response. The City may also deem a traffic signal malfunction an emergency condition at its sole discretion. ***Requests deemed to be "emergencies" shall be responded to immediately with all possible haste, arriving at the signal location within one hour (1 hour) of first notification.***

When responding to an emergency or a called in request or an emailed request, the contractor shall note on their paper work the name of the person, date and time of the request.

In general, the following events shall establish an emergency condition:

- Totally blacked out traffic signals. For the intersections in which they are totally blacked out the city will use the following California vehicle code section 21800 until such time repairs or corrections are made to the affected intersections.

- Failure or malfunction of the traffic signal system or interruption of normal signal operations so as to create a public hazard. This may be caused by damage from vehicle collisions or accidents, acts of nature, civil disorder, malicious mischief, vandalism, or actions of other contractors or utility companies.
- Indications in conflict or signal heads are out for any one traffic movement bulbs including bulbs and lenses but not power outage
- Signal/pedestrian heads end or alignments that that give conflicting indications rendered not invisible to any intersection approach.
- Signal cabinet and or signal pole knocked down.
- A red light is reported burned out.
- Any primary head indication is out.
- Any appurtenant traffic signal equipment such as traffic signal heads, street name signs or other regulatory signs, warning or guide signs affixed to mast arms or poles, reported to be knocked down, dangling, or otherwise creating a public hazard shall be immediately repaired or removed as an emergency situation in order to eliminate the hazard or unsafe condition.
- As part of the Contractor's emergency call response, the Contractor may be required to respond to accident scenes at signalized intersections to perform a review of the traffic signal system operation and equipment. The Contractor shall, in this case, thoroughly examine and inspect all equipment at the location for any physical damage or equipment malfunction, including a timing check of the controller. Upon completion of this examination the Contractor shall submit, in writing a report summarizing the results of the examination and inspection to the Department Director or his designee. These results shall also be placed in the maintenance records of the intersection maintained by the Contractor.
- Any other repair that is deemed an emergency by the City.

Under these conditions, the Contractor shall immediately restore the traffic signal to normal operations. If that is not possible due to the extent of damage, sufficient repairs shall be made to enable the intersection to operate safely.

For emergency repair purposes, the Contractor's vehicle shall have immediately available the following equipment: portable stop signs to be installed if required, barricades, cones, replacement signal heads, pedestrian heads, I-A signal pole, load switches, controller, and other related equipment and tools which may be required to repair said damage.

For the emergency repair of a signal, the following procedure for traffic control shall apply:

1. The Contractor shall dispatch qualified personnel and equipment to reach the site within the time frame specified in this Scope of Work for emergency call-out. The Contractor shall carry in their vehicle(s) an adequate supply of stop signs, barricades, traffic cones, etc., which shall be used when controlling traffic during an emergency and/or when necessary by the signal Department Director or their alternate deemed.

2. If no police officer is present and temporary stop signs have been set up when the Contractor arrives at the site, the Contractor shall place the intersection in flash in the signal cabinet before setting up more traffic warning and control devices, if deemed necessary, and

proceed to repair the signal. After the signal is back in operation, the Contractor shall remove all of the temporary stop signs and other traffic control devices and return those devices owned by the City to the City Yard.

3. If a police officer is still at the site when the Contractor arrives, the Contractor shall quickly examine the signal, evaluate the situation, discuss it with the police officer, and obtain a Traffic Accident Report Number (if applicable) to be submitted with the invoice for work performed at the signal. If the repair will take longer than the officer can wait and has determined it to be a hazard the Contractor shall immediately place the intersection in flash, set up signs and all other necessary warning devices to protect the motoring public. The Contractor shall also notify the representative, of the any delay and the approximate time of the Contractor's response to such an emergency. Any delay times will not be charged to the City. Contractor shall contact the city prior to responding to the call so it may be tracked.

4. Notification - The Contractor shall notify the City or his authorized representative of any planned alterations, substitutions, or removal of any controller or component, or alteration to the operation of any signal system during normal business hours and give notice to the City same business day of the scheduled work. Notification of changes made at times other than normal business hours, notification to the City shall be reported by telephone or email within two (2) hour of the next business day.

The Contractor shall then call and also confirm via e-mail the morning of each day that any planned extraordinary maintenance that is directed to take place during that day. The Contractor shall notify the department director, or his authorized representative, of the proposed maintenance specifying the type of maintenance, location, and the approximate time of the day. If work is commenced without obtaining approval from the City, payment will not be made until City staff can inspect the work.

For emergency call-outs during normal business hours of the City, notification by telephone shall be made within one (1) hour of such response. Notifications at times other than normal business hours of the City shall be reported by telephone within two (2) hour of the beginning of the next business day of the City. The Contractor shall thoroughly examine and inspect all equipment at the location for any physical damage or equipment malfunction. Within five (5) calendar days after completion of this examination, the Contractor shall submit, in writing, a report summarizing the results of the examination and inspection to the City or his designated representative. These results shall also be placed in the maintenance records of the intersection maintained by the Contractor.

I. Maintenance Records

The Contractor shall keep a current, permanent operational record of all work performed at the intersection, including, but not limited to, routine maintenance, emergency and nonemergency service calls, and extraordinary maintenance, of each and every piece of traffic control or safety equipment that the Contractor is required to maintain by this contract. The Contractor shall also track the replacement schedule of signal indications and batteries as per the contract documents. These records shall be kept at each maintained location on a form approved by the City. A copy of such records shall be provided to the Director or his authorized representative within two (2) working days upon request. The form shall include, at a minimum, the location, the date, time, description of the call, PM service or malfunction device narrative of deficiencies encountered, and a detail of any and all corrective actions(s) taken. Entries shall be made legibly in indelible ink and shall be initialed by the technician's employee # when making the entry. The Contractor shall maintain an electronic database of the maintenance records that is remotely accessible by the Director or designee .The database shall be specific for each Agency and searchable by

intersection. A written cabinet log shall be kept in each cabinet that includes date and time of repairs, who performed the work, and a brief description of the work that was done. In addition, a checklist of items in Section U-1 below for each tri-monthly routine PM check shall be kept in each signal cabinet. The maintenance records shall be provided to the City on a monthly basis as part of the monthly invoice from the Contractor.

J. Monthly Maintenance Reports

The City of-REDLANDS has approximately 72 traffic signals that are to be divided into three approximately equal lists, and the traffic signals on each list are to be visited once every three months. The Contractor shall develop a monthly summary report in cooperation with the City to be submitted with the monthly invoice for those signals subject to review that month. This monthly summary report shall itemize all activities relating to traffic signal and safety lighting maintenance for each maintained location. The summary report shall list the maintenance history of the entire reporting period for each individual signal location and any deficiencies found including travel, arrival and departure times, dates and location of the repairs, vehicle and service personnel dispatched, types of repairs made, police report # if responded to, requested call(s) and all materials and equipment used for each day worked. A chronological report of all maintenance activities throughout the month is not sufficient. The summary reports shall be submitted to the City within ten (10) days following the end of the month of the reporting period. Invoices will not be paid until the summary report has been reviewed. Reports shall be submitted electronically (in addition to a hard copy). The format is to be an MS Windows Excel spreadsheet.

The following information shall be legible and at a minimum, is required for each signal location:

- Location by intersection and identification of a specific corner or direction of traffic when applicable
- Date and time the call was received and the first and last name of the caller or self-initiated
- Date and time the Contractor's personnel and equipment arrived at the scene
- Travel time when applicable
- Date and time the job was completed
- Nature of the malfunction, if any, and a description of the action taken by the Contractor
- Notation of routine, extraordinary, or additional work (including emergency work)
- Accident report number (from RPD) for all accident related work.
- Replacement of equipment including the model, part number and serial number

All records are the property of the City of Redlands and at the termination of this contract shall be delivered to the City.

K. Salvaged or Damaged Equipment and Ownership

Ownership of all materials existing and incorporated in the work is vested in the name of the City of Redlands. Salvaged or damaged equipment shall become the property of the Contractor unless otherwise directed by the City. Contractor is responsible for the proper disposal and recycling of such material.

Failure to provide adequate safety devices, as directed by the Director or designee, will cause the City to install safety devices as needed and the cost will be assessed to the Contractor at the City's actual cost. The City shall be entitled to offset any costs incurred against the Contractor's invoice.

All costs for traffic control shall be included in the various items of work, and no additional compensation will be allowed.

L. Damage

Adjacent improvements such as street pavement, curbs, sidewalks, sprinklers, landscaping, hardscaping, driveways, and gutters damaged as a result of the Contractor's operation shall be repaired to the satisfaction of Director or designee at the Contractor's expense.

M. Sound and Noise Control

The Contractor shall comply with all local sound control and noise level rules, regulations, and City ordinances, which apply to any work performed pursuant to the contract.

N. Types of Signals / Equipment

The Fee Schedule for both the routine and extraordinary maintenance shall apply to all types of signal controllers, accessories and systems as may exist in the City now or that may be installed during the life of the contract.

O. Meetings

Meetings may be required for the purpose of discussing contract provisions, problems and/or issues and ensuring that the work is proceeding as per the contract documents. The Contractor will be notified in advance and required to attend and participate in these meetings with City staff as needed. These meetings will be called by the Director or his authorized representative. Full compensation for attending these meetings shall be considered as included in the various items of work and no additional compensation shall be allowed therefore.

P. Estimate of Quantities

The quantities shown in the Contract Agreement shall be considered as approximate only. The City does not guarantee or agree, either expressly or by implication that the actual amounts required would correspond therewith, and reserves the right to increase or decrease the amount of any item or portion of work or material to be performed or furnished, or to omit any such item or portion, in accordance with the provisions relative thereto set forth in this "Scope of Work."

Q. Routine Preventative Maintenance Program

The Contractor shall provide a program of routine preventative maintenance designed to eliminate or reduce the incidents of malfunction and extend the useful life of the equipment.

1. Routine Preventative Maintenance of Traffic Signals and Safety Lighting Systems

Inspect and service each signalized intersection once every three months. The Contractor shall provide all material, parts, labor, equipment and transportation, including a service bucket truck

capable of performing all the required maintenance functions for each assigned technician, to perform this COMPLETE list of services, on a tri-monthly basis.

The bi-monthly traffic signal maintenance bid item will be quantified by "EACH" under the "Units of Measure" in the Fee Schedule for an annual total of 288 maintenance checks at 72 traffic signal locations (72 traffic signals X 4 maintenance checks/year = 288 maintenance checks). The traffic signal maintenance unit price will be for all work specified within the Contract documents and will include all labor, materials, tools, equipment, transportation and incidentals necessary to complete all the items of work. The traffic signal maintenance unit price will be per the Fee Schedule and no additional compensation whether for overtime, shift differentials, or travel time shall be allowed.

The items of work for routine preventative maintenance of traffic signals are as follows:

Air Filter — Replace the air filter element in all controller cabinets so equipped at least once each six (6) months and note in the tri-monthly report any filter replacement. Wash or replace all air filter elements in all cabinets so equipped within three (3) months after the execution of this contract, and so note in the tri-monthly report the date the filter elements are cleaned or replaced.

Battery Backup Systems (BBS) — Backup unit and batteries shall be tested bi-monthly in accordance with the manufacturers recommended maintenance as a part of preventative routine maintenance program. Battery backup systems or batteries shall be replaced at the unit price stated in the Fee Schedule including checking operational voltage range of all batteries, and adjust or repair as needed. The repair or replacement o of any of the BBS components, excluding batteries, shall be considered extra work and will require prior approval by City before work is commenced. Batteries shall be scheduled to be replaced every five (5) years at which time, the new install will reset the clock. If battery failure has occurred prior to the replacement date, approval must be given by the City or his authorized representative

BBS Cabinet Exterior — Remove any posters, signs, adhesive labels, and/or graffiti, etc. from the cabinet exterior. Check the interior and exterior of the service cabinets for signs of deterioration to the cabinet's surface using a wire brush and then protect the area with zinc chromate, red lead or rust inhibitor prior to painting with a matching color (only applicable to painted cabinets.) For Stainless or Aluminum cabinets, a circular pattern will be required to mast any graffiti that is gouged or engraved on it.

BBS Cabinet Interior, Fan and Vents — The Contractor shall clean the BBS cabinets thoroughly on the inside, verify that the controller cabinet fan operates properly with a minimum of noise, and check the vents in the service cabinet to ensure that they are free of any foreign material. If a fan is thermostatically controlled the temperature shall be set at 100 degrees.

Before Leaving Intersection — Before leaving the intersection during any routine or extraordinary maintenance, verify that all detector test switches are in "normal" position, and that the stop time switch is in the "auto" or "normal" position. Do a walk of the intersection and touch each corner. Record all information when complete with (name, time, date, nature of work, etc.) in the cabinet logbook. Immediately correct all safety deficiencies found during routine inspections and schedule non-emergency work with City staff.

Cabinet Exterior — Remove any posters, signs, adhesive labels, and/or graffiti, etc. from the controller and service cabinet exteriors.

Cabinet Interior, Fan and Vents — The Contractor shall clean the traffic signal cabinets thoroughly on the inside, including all components. Verify that the controller cabinet fan operates properly with a minimum of noise, and check the vents in both the controller cabinet door and above the door, or at the top of the cabinet to ensure that they are free of any foreign material. If a fan is thermostatically controlled the temperature shall be set at 100 degrees.

Conflict Monitor/Malfunction Management Unit — Verify that the time clock and date are correct in any Conflict Monitor Unit (CMU)/Malfunction Management Unit (MMU) in all signal cabinets. A visual check is required with each PM to ensure no errors are displayed. Yearly testing, during the months of January and February, of all CMU/MMU equipment shall be completed with the use of an automated testing device with the test results printed on a report that is to be delivered to the City within thirty (30) days from the first location tested. The printed report containing the test results shall, at a minimum, include the following information: report header with type of monitor tested and date tested; agency identification including manufacturer, model and serial number; related test information including operator, test site, and intersection location; and monitor verification with a description of type of tests performed and conditions found (i.e., failure or non-failure). Note in bi-monthly routine maintenance log. The respective monthly invoice for payment of Routine Maintenance will not be processed until CMU/MMU testing is completed and the City has received all required reports.

Connectors — Check all connectors (includes any connections on the main panel, interface panels and under detector racks) to ensure they are secure and free of corrosion. Apply diazo grease as needed to deter corrosion. Note in%-monthly routine maintenance log. Be sure not to damage by over-tightening.

Controller Cabinet Mounting — Check the snugness of the nuts on the controller cabinet anchor bolts, and tightens if necessary, being sure not to distort by overtightening.

Controller Cabinet Foundation Seal — Check the seal between the bottom of the cabinet and the foundation for deterioration. If standing water or evidence of water is present inside the bottom of the controller cabinet, reseal by removing cabinet mounting nuts and installing sealant between cabinet and foundation.

Controller Operation — Manually place vehicle and pedestrian calls on each phase through the controller cabinet test switches or the controller keyboard to verify controller servicing of each active phase. Maintain an accurate chronograph and set all real-time clocks to the National Bureau of Standards (WWV) time. When and where necessary, adjust clocks to Daylight Savings Time within twenty-four (24) hours of time changes. Note: Any time corrections +or - on the log sheet

Detection Setup - Verify that the detector loop cables are correctly identified, connected to the correct vehicle detector field interface terminals, and that the correct detector indicates a call. Verify that a call is placed on the correct controller detector input, and that the input places a call on the correct controller phase.

Detector Operation — Check detector units and systems including, but not limited to, inductive loops, and pedestrian push buttons for correct detection of both vehicles and pedestrians by observing the turn-on of the appropriate detection indicator as a vehicle passes over or through the detector loop(s)/zone; and adjust or repair said equipment as necessary to restore system to its intended operation.

Door Gasket — Check all door gaskets on the controller cabinet, service cabinet and any other enclosures for evidence of moisture or deterioration. Completely replace any gaskets showing signs of leaking or deterioration.

Door Panel Harness — Check the harness leading from the door panel to the auxiliary panels on the cabinet door to ensure they are not being pinched and do not bind against the cabinet door. Adjust if necessary.

Equipment Displays and Indicators — Verify that all LED and LCD displays and indications (controller, MMU/CMU, load switches, flasher, Radio, pre-emption video diction equipment, etc.) are working properly.

Flash - Verify the operation of the flashers once per year. Verify with a stopwatch that the flash rate is between 50 to 60 pulses per minute and that the "ON/OFF" states for each flash circuit are equal.

Ground Fault Receptacle — Verify the proper operation of "Test" and "Reset" buttons on GFCI type outlets.

Hinges and Locks — Check for free movement of all doors, latching assemblies and locks on the controller cabinet, service cabinet and any other enclosures. Use a minimum of oil or spray lubricant and remove any excess.

Indications — The Contractor shall clean all vehicular and pedestrian module faces once per year, and shall replace burned out vehicular and/or pedestrian modules. Contractor shall furnish all LED signal modules as noted in the program costs per the Fee Schedule agreed to for the maintenance Items as detailed herein below.

In case the Contractor is unable to replenish his supply of City furnished LED modules in time to replace the burned out ones, the Contractor shall replace burned out LED modules with City approved LED modules only. The City will only pay for the cost of installation as per the Fee Schedule, and replace the number of LED modules installed by the Contractor out of City inventory.

The Scope of Work also contains a separate Item for the Group Replacement of non LED Vehicular Indications.

Insect or other Rodent Infestation — Check for any signs of ants, wasps, spiders or other rodents within all the cabinets pull boxes hand holes etc. Take the necessary steps for extermination.

Interior Light — Verify the proper operation of the controller cabinet's interior fluorescent/ LED light and starter. Intersection Records — ensure that all intersection "Record Drawings," cabinet wiring diagrams, necessary equipment operations manuals, controller data timing sheets, and log book are corrected and stay inside the cabinet. Contact designee to obtain any missing items. Intersection Timing — The City will provide timing sheets in each controller cabinet. These timings are to be maintained by the Contractor. The Contractor is to compare controller phase timing against the approved timing plan, check any discrepancies against intersection log and notify designee of any and all discrepancies. Check the timing of the yellow (caution) intervals on all phases by the controller.

Although, the City will generally complete new timing patterns, the Contractor may be issued a work order from the City authorizing* e Contractor to make necessary changes. The Contractor shall make no timing changes on controllers or accessories unless authorized by the director or designee, EXCEPT during emergencies. In the event that the controller timing does not match the timing sheets in the cabinet, the Contractor shall notify the City for direction on how to proceed. Timing changes that may be necessary during emergencies (such as loop failures, pushbutton failures, etc.) may be made without prior approval. However, the Department designee must be notified of changes by 8:00 A.M. the next working day. Any change made to the signal timing, permanent or temporary, shall be noted on the timing sheet with date and the initial of the technician, and logged in the repair record in the controller cabinet.

Intersection Walk-Around — Walk all the approaches of the intersection and visually inspect all signal poles, mast arms, signal heads and indications, traffic control signs, pedestrian signals, Cameras, Opticom (preemption) heads, reflective street name signs, loop sealants, pull box covers, and any other devices, and verify the correct placement and/or operation. Any inoperable vehicle or pedestrian indications, safety lights, or illuminated sign lamps shall be replaced under extraordinary maintenance; illuminated signs damaged beyond repair shall be reported to the designee and replaced under extraordinary maintenance with reflective street name signs. All vehicle heads and pedestrian heads found to be out of alignment shall be properly aligned. Missing signs shall be replaced under extraordinary maintenance. Cracked or damaged loop sealants shall be re-sealed. All other equipment found missing or damaged shall be reported to the City prior to replaced or repaired.

Loop Detectors — The Contractor shall verify the condition of the loops in the roadway and take necessary preventative measures to ensure the longevity of the loop. This includes the splicing (or re-splicing) of detector loops and/or replacement of loop sealant. Cutting and installing new loops is considered extra work and will require prior approval by the City before work is commenced. The failure of a loop due to sealant not maintained is not considered extra work and will be repaired at the Contractor's expense.

Maintenance Log — The Maintenance Log form shall be initialed for every item that was completed during the preventative maintenance that month.

Pedestrian Push Button Assembly — The Contractor shall check all pedestrian push buttons and assembly for proper operation. If necessary, the Contractor shall repair or replace the pedestrian push button and/or assembly as needed. All replaced pedestrian push button assemblies shall be ADA compliant. The replacement of defective parts will be extraordinary maintenance.

Pedestrian Signals — The Contractor shall maintain all pedestrian signal heads in working order, and the cost incurred shall be included in the unit price for routine preventative maintenance per intersection. The replacement of defective parts will be extraordinary maintenance. Pedestrian signal indications requiring replacement shall be replaced with count-down type LED modules as directed by the City.

Plug-in Components — Check that each plug-in component (rack mount detectors, BIU's, relays, load switches, etc.) fits tightly and securely in its socket.

Preemption Devices — Test all preemption devices for proper operation.

Safety Lighting, and Reflective Street Name Signs — The Contractor shall perform a night inspection of all safety lighting, bridge deck lighting and Reflective street name signs at signalized

intersections twice per year. The Contractor shall carry photocells, fuses, and splice kits when troubleshooting safety lights. All malfunctioning light fixtures shall be repaired within twenty-four (24) hours of being identified. If repairs cannot be performed at the time of inspection and replacement is necessary, approval from the Director or his authorized representative. Unless otherwise directed by director, all safety lighting/luminaries that cannot be satisfactorily repaired shall be replaced by an LED lighting fixture approved by the City or his authorized representative. The Contractor shall provide the City in the monthly report showing the number of light fixtures that have been repaired, the type of light fixture, and the location for each light fixture. The City has the right to inspect the Contractor's records to verify any material used in light fixture repair. Costs incurred in night inspections for Reflective street name and safety lighting shall be included in the unit price for routine preventative maintenance. The replacement of defective parts will be extraordinary maintenance as per the Fee Schedule or per written quote, as directed by the Director or his authorized representative.

Service Connections — Verify that the neutral, ground and power connections are secure in both service cabinets and controller cabinet. Check breakers, lighting contactors, switches terminal connections and photo cells at least once every six (6) months. Note in bi-monthly routine maintenance log. The replacement of defective parts will be extraordinary maintenance as per the Fee Schedule or per written quote, as directed by the Director or his authorized representative.

Signs — Traffic control signs shall be cleaned and adjusted as routine maintenance. The Contractor shall repair or replace any damaged, faded or missing reflectorized street name signs, traffic control signs or pedestrian push button plates affixed to any signal mast arm or pole under extraordinary maintenance, including all bracketing attached to the mast arm to the sign.

Switches — Verify the correct operation of each position, including "OFF", of all switches. Repeatedly work all test and stop time switches to keep the switch contacts clean.

Terminal Connections — Using the correct size insulated screwdriver, test each terminal screw backing off slightly check for corrosion then retightening to confirm that it is secure (but not to distort or over-tighten) at least once every six (6) months. Note in bi-monthly routine maintenance log and report corrosion in monthly the report.

Thermostat — Verify that the cabinet fan thermostat is set at one hundred (100) degrees Fahrenheit.

Traffic Signal Controller Assembly — The Contractor shall replace, repair, or otherwise render in good working order any and all defective traffic signal controller assemblies with like make and model assemblies as necessary to ensure the safe operation of said signal equipment. Solid-state equipment shall be maintained according to the manufacturer's specifications.

Traffic Signal Poles and Mast Arms — Verify that all nuts and bolts are securely attached at base of poles (including all attachments of signs) and at any connection point. Verify that all hand hole and cover plates are in place to protect wiring.

Vacuum Cabinet — The uses of compressed air is only allowed for terminal blocks, electrical components and vent openings. Thoroughly vacuum the interior of the controller cabinet including all shelves, base of cabinet and the police access panel. Also blow out or vacuum the vent openings above the controller cabinet door.

Video Detection Cameras and Video Processor (Where Present) — The Contractor shall verify that video detection camera lenses are clean and the video processor system is operable.

The Contractor shall clean and polish all video detection camera lenses once every six (6) months, or as directed by Director on an individual basis. At that time, all signal heads, mast arm mounted street name signs, and optically programmed signal heads, shall be realigned as necessary. Note in Tri-monthly routine maintenance log.

2. Routine Preventative Maintenance of a Solar Lighted Crosswalk System

The Contractor shall inspect and service a Solar Lighted Crosswalk and provide the labor, equipment and material to perform this COMPLETE list of services twice per year. The schedule shall be established to coincide with the beginning and ending of Daylight Savings Time. Within thirty (30) days of the award, the Contractor shall provide the City with a maintenance schedule. The bi-annual Solar Lighted Crosswalk maintenance bid item will be quantified by "EACH" under the "Units of Measure" in the Fee Schedule for an annual total of 2 maintenance checks at one Solar Lighted Crosswalk location (1 crosswalk X 2 maintenance checks/year = 2 maintenance checks). The traffic signal maintenance unit price will be for all work specified within the Contract documents and will include all labor, materials, tools, equipment, transportation and incidentals necessary to complete all the items of work.

The items of work for routine preventative maintenance of traffic signals are as follows:

Battery Systems — The Battery System including controller unit and batteries shall be tested in accordance with the manufacturers recommended maintenance as a part of preventative routine maintenance. Check battery voltage and record in cabinet. Failed or defective batteries shall be replaced within five (5) days of diagnosis. Batteries shall be included on a five year replacement program. The repair or replacement of any of the components, including batteries, shall be considered extra work and will require prior approval by the City before work is commenced.

Cabinet - The Contractor shall clean the service cabinets thoroughly on the inside, including all components and any foreign materials; verify that the controller cabinet fan operates properly with a minimum of noise; check the vents in the service cabinet to ensure that they are free of any foreign material; and remove any posters, signs, adhesive labels, and/or graffiti, etc. from the controller and service cabinet exteriors.

Lighted Crosswalk, Flash pattern, flashing lights on poles and roadway lights (pucks) - Compare timing against the approved timing plan, check any discrepancies against log and notify City of all discrepancies. When and where necessary, adjust controller. Verify the flash rate is as per the manufacturer's specifications. The repair or replacement of any of the components, including the roadway lights, shall be considered extra work and will require prior approval by the City before work is commenced Pedestrian Push Button Assembly - The Contractor shall check all pedestrian push buttons for proper operation. If necessary, the Contractor shall repair or replace the pedestrian push button.

Service Connections - Verify that the connections to solar panel to solar controller, ground and power connections are secure in the controller and service cabinet.

Signs - Traffic control signs shall be cleaned and adjusted as routine maintenance. The Contractor shall repair or replace any damaged or missing traffic control signs or pedestrian push button plates affixed to any signal mast arm or pole under extraordinary maintenance, including orange flags on certain mast arms.

Solar Controller - Compare timing against the approved timing plan, check any discrepancies against log and notify Director of all discrepancies. When and where necessary.

Solar Panel - Clean the solar panel (in a manner supported by the manufacturer's specifications) to remove all dust and clean without any damage to the panel. The repair or replacement of any of the components, including the solar panel, shall be considered extra work and will require prior approval by the City before work is commenced.

Visual Inspection - Visually inspect each in-pavement or above-ground flashing device to ensure that they all remain secure in place and are not loose within the pavement. Inspect the devices to ensure that they are not damaged or broken in any manner and that they remain clean. Verify that the device properly activates from the ped push button. Also confirm that the in-pavement light or device is flashing as intended for each direction with similar brightness. Check alignment and clean debris away from the pole mounted lights and "pucks" to insure visibility of 125 yards in each direction. Any device found to be defective shall be scheduled for repair within thirty (30) days of diagnosis and shall be considered extra work and will require prior approval by the City before work is commenced.

R. Group Replacement Program of Non LED Vehicular Signal Indications

The Contractor shall develop a schedule to group replace of all non LED vehicular indications in the City by spreading the task out throughout the life of the agreement. The agreement provides for one (1) initial year with up to four (4) extensions of one (1) year. As such, the agreement may span a total of five (5) years. The developed schedule should therefore anticipate group replacements in approximately five equal amounts. That is, about twenty percent (20) of all of the indications replaced per year. This task shall end if the agreement is not renewed or otherwise terminated.

The task shall include all labor and replacement LED indications as per the City's standards and as approved by the City or his authorized representative. The replacement schedule shall be developed around the concept of replacing all indications per intersection at one time. This task may not be accelerated ahead of schedule, with the exception of indications that are replaced ahead of schedule due to burn-out/failure on a case-by-case basis. When indications are replaced ahead of the replacement schedule, they will be removed from the replacement list and the actual date of installation recorded in the maintenance log. Subsequent failure of replaced indications shall be repaired / replaced by the Contractor as warranty work at the Contractor's expense.
The Contractor may choose to replace the one year allotment of twenty percent of LED indications at once, or may spread the work throughout the current contract year, but in any case, shall only be paid for actual work completed as per the Fee Schedule and no additional compensation shall be allowed therefore.

S. Extraordinary Maintenance

Extraordinary maintenance as listed in the Contract Agreement includes all the labor, equipment, parts and materials necessary to ensure the safe and efficient operation of the City's traffic signal system that goes beyond the normal routine preventative maintenance program established by this Scope of Work. Items of extraordinary maintenance or extra work generally include the following:

- Furnish and install replacement traffic signal cabinet assembly including new foundation and all wiring.
- Furnish and install replacement service cabinet, foundation and wiring.
- Furnish and install replacement traffic signal poles and mast arms.

- Furnish and install replacement vehicle and pedestrian signal indications.
- Furnish and install replacement conduits, pull boxes, lids and wiring.
- Furnish and install replacement panels or Reflectorized street name signs (RSNS) as directed by the City.
- Furnish and install replacement safety lights.
- Furnish and install replacement traffic signal control equipment and components.
- Furnish and install replacement batteries.
- Paint Signal Equipment
- Cut and install replacement detector loops.

Extraordinary maintenance, except for emergency repairs as provided for in this Scope of Work, shall require prior written authorization from the City. In situations requiring immediate response, verbal authorization from the City or his authorized representative is sufficient followed by a written authorization.

The City will compensate the Contractor for such additional work based on the verified invoice cost of materials, equipment and labor. Billing for such additional work shall reflect the labor rates established by the Fee Schedule. Upon receipt of an itemized invoice within thirty (30) days of completion of work, the City shall compensate the Contractor for additional work.

In the event a price cannot be agreed upon for very specific work not covered by the Fee Schedule, the City reserves the right to repair and/or solicit quotations or invite bids and award work to any Contractor to perform such additional work.

T. Price Markup

The City will allow a maximum of 15% markup for materials only required to complete Extraordinary Maintenance as provided for in this Scope of Work.

U. Permits, Licenses, and Inspections

The Contractor and all its subcontractors shall obtain and pay for a City business license from the City of Redlands prior to the commencement of work, and obtain a no-fee Right-of Way Encroachment Permit and Traffic Control Permit from the City.

The Contractor shall have a Class A and/or California "C-10" Contractor's license at the time of awarding of the contract.

All work performed, or equipment or parts supplied by the Contractor, shall be subject to inspections and approval of the City, or his authorized representative.

ATTACHMENT A
ADDENDUM 2

Bond No. 9403717

FAITHFUL PERFORMANCE BOND

Whereas, the City of Redlands, State of California, and Yunex LLC (hereinafter designated as "Principal") have entered into an agreement (the "Agreement") whereby Principal agrees to Description of Improvement Services to Public Buildings and/or grounds (the "Work"), which said agreement, dated , June 7th 2022, and titled as "Agreement to Perform Non-Professional Services for Improvement to Public Builds and Grounds" is hereby referred to and made a part hereof; and

Whereas, under the terms of the Agreement, Principal is required before commencing the performance of the Work, to furnish a good and sufficient Faithful Performance bond with the City for the faithful performance of the Agreement;

Now, therefore, we, Principal and the undersigned, as corporate Surety, are held and firmly bound unto the City in the penal sum of One Million Two Hundred Thousand & 00/100 Dollars ($1,200,000.00) lawful money of the United States, for the payment of which sum we bind ourselves, and our heirs, successors, executors and administrators, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above bounded Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the Agreement and any alteration thereof made as therein provided, on his or its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall faithfully fulfill the one-year guarantee of all materials and workmanship, and shall defend, indemnify and save harmless the City and its elected officials, officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligations, all to be taxed as costs and included in the judgment rendered.

As a condition precedent to the satisfactory completion of the Agreement, the above obligation shall hold good for a period of one (1) year or longer if required by the Agreement after the acceptance of the Work by the City, during which time if Principal shall fail to make full, complete, and satisfactory repair and replacements and totally protect the City from loss or damage made evident during this period from the date of completion of the Work, and resulting from or caused by defective materials or faulty workmanship, the above obligation in penal sum thereof shall remain in full force and effect. The obligations of Surety hereunder shall continue so long as any obligation of Principal remains.

Whenever Principal shall be, and is declared by the City to be, in default under the Agreement, the City having performed the City obligations thereunder, the Surety shall promptly remedy the default, or shall promptly, at the City's option:

1. Complete the Agreement in accordance with its terms and conditions; or

2. Obtain a bid or bids for completing the Agreement in accordance with its terms and conditions, and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a contract between such bidder and the City, and make available as work progresses sufficient funds to pay the cost of completion of the Work less the balance of the Agreement price, but not exceeding, including other costs and damages for which Surety may be liable hereunder, the amount set forth above. The term "balance of the Agreement price," as used in this paragraph, shall mean the total amount payable to Principal by the City under the Agreement and any modifications thereto, less the amount previously properly paid by the City to Principal.

Surety expressly agrees that the City may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by Principal.

Surety shall not utilize Principal in completing the Work nor shall Surety accept a bid from Principal for completion of the Work if the City, when declaring Principal in default, notifies Surety of the City's objection to Principal's further participation in the completion of the Work.

No right of action shall accrue on the bond to or for the use of any person or corporation other than the City named herein or the successors or assigns of the City. Any suit under this bond must be instituted within the applicable statute of limitations period.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or to the Work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the Work or to the specifications.

No final settlement between the City and Principal shall abridge the right of any beneficiary hereunder whose claim may be unsatisfied.

Principal and Surety agree that if the City is required to engage the services of any attorney in connection with the enforcement of this bond, each shall pay the City's reasonable attorneys' fees incurred, with or without suit, in addition to the above sum.

In witness whereof, this instrument has been duly executed by Principal and Surety above named, on June 7, 20XX. 22

(SEAL)
Developer Yunex LLC
(Principal)

(Signature) Name, Title
Steven Teal, Director of Service

(Seal and Notarial Acknowledgment of Surety)



(SEAL)
Fidelity and Deposit Company of Maryland
(Surety)
BY:
(Signature)
Annette Audinot, Attorney-in-Fact
Address: 1299 Zurich Way, 5th Floor
Schaumburg, IL 60196-1056
Telephone (847) 605-6000

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Riverside }

On June 9th, 2022 before me, Candace Gallaher - Notary Public, Notary Public
(Here insert name and title of the officer)

personally appeared Steven Teal,

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Candace Gallaher
Notary Public Signature

(Notary Public Seal)

CANDACE GALLAHER
Notary Public - California
Riverside County
Commission # 2300629
My Comm. Expires Aug 8, 2023

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages ____ Document Date____

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
- ☐ Corporate Officer

(Title)

- ☐ Partner(s)
- ☐ Attorney-in-Fact
- ☐ Trustee(s)
- ☐ Other ____

2015 Version www.NotaryClasses.com 800-873-9865

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he~~/she/~~they,~~ is /~~are~~) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - Indicate title or type of attached document, number of pages and date.
  - Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of New Jersey }

County of Morris }

On June 7, 2022 before me, Kristin S. Bender, Notary Public
(Here insert name and title of the officer),

personally appeared Annette Audinot,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in ~~his~~/her/~~their~~ authorized capacity(ies), and that by ~~his~~/her/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

KRISTIN S. BENDER
NOTARY PUBLIC OF NEW JERSEY
Commission # 2343758
My Commission Expires 4/21/2026

Notary Public Signature (Notary Public Seal)

My Commission Expires: April 21, 2026

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date_____

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
- ☐ Corporate Officer

(Title)

- ☐ Partner(s)
- ☑ Attorney-in-Fact
- ☐ Trustee(s)
- ☐ Other _____

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- Signature of the notary public must match the signature on file with the office of the county clerk.
  - Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - Indicate title or type of attached document, number of pages and date.
  - Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by **Robert D. Murray, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Annette Audinot, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings,** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 11th day of July, A.D. 2019.

ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: Robert D. Murray
Vice President

By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 11th day of July, A.D. 2019, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn

Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2023

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 7th day of June, 2022.

Brian M. Hodges, Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
www.reportsfclaims@zurichna.com
800-626-4577

THE FIDELITY AND DEPOSIT COMPANY

OF MARYLAND
1299 Zurich Way Schaumburg, IL 60196

Statement of Financial Condition
As Of December 31, 2021

ASSETS

Bonds	$ 237,467,504
Stocks	18,985,762
Cash and Short-Term Investments	7,415,852
Reinsurance Recoverable	25,735,324
Federal Income Tax Recoverable	0
Other Accounts Receivable	24,479,233
TOTAL ADMITTED ASSETS	$ 314,083,675

LIABILITIES, SURPLUS AND OTHER FUNDS

Reserve for Taxes and Expenses		$ 378,101
Ceded Reinsurance Premiums Payable		48,876,599
Remittances and Items Unallocated		0
Payable to parents, subs and affiliates		0
Securities Lending Collateral Liability		0
TOTAL LIABILITIES		$ 49,254,700
Capital Stock, Paid Up	$ 5,000,000	
Surplus	264,828,975	
Surplus as regards Policyholders		264,828,975
TOTAL		$ 314,083,675

Securities carried at $78,561,855 in the above statement are deposited with various states as required by law.

Securities carried on the basis prescribed by the National Association of Insurance Commissioners. On the basis of market quotations for all bonds and stocks owned, the Company's total admitted assets at December 31, 2021 would be $319,561,762 and surplus as regards policyholders $270,307,062.

I, LAURA J. LAZARCZYK, Corporate Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing statement is a correct exhibit of the assets and liabilities of the said Company on the 31st day of December, 2021.

DocuSigned by:
Laura J. Lazarczyk
42DF0DB471374B0...
Corporate Secretary

State of Illinois
City of Schaumburg } SS:

Subscribed and sworn to, before me, a Notary Public of the State of Illinois, in the City of Schaumburg, this 15th day of March, 2022.

RYAN HORGAN
Official Seal
Notary Public - State of Illinois
My Commission Expires Dec 10, 2024

Notary Public

ATTACHMENT B
ADDENDUM 2

Bond No. 9403717

LABOR AND MATERIAL BOND

Whereas, the City of Redlands, State of California, and Yunex LLC (hereinafter designated as "Principal") have entered into an agreement (the "Agreement") whereby Principal agrees to Description of Improvement Services to Public Buildings and/or grounds (the "Work"), which said agreement, dated , June 7th 2022, and titled as "Agreement to Perform Non-Professional Services for Improvement to Public Builds and Grounds" is hereby referred to and made a part hereof; and

Whereas, under the terms of the Agreement, Principal is required, before commencing the performance of the Work, to file a good and sufficient Labor and Material bond with the City to secure the claims to which reference is made in Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code of the State of California;

Now, therefore, Principal and the undersigned, as Surety, are held firmly bound unto the City and all contractors, subcontractors, laborers, material men, and other persons employed in the performance of the Agreement and referred to in the aforesaid Civil Code the sum of One Million Two Hundred Thousand & 00/100 Dollars ($1,200,000.00) for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to the Work or labor, that said Surety will pay the same in an amount not exceeding the amount hereinabove set forth, and also in case suit is brought upon this bond, will pay, in addition to the face amount thereof, costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred by the City in successfully enforcing such obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies and corporations entitled to file claims under Title 3 (commencing with Section 9550) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond. Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

The Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

In witness whereof, this instrument has been duly executed by Principal and Surety above named, on June 7, 20XX. 22

(SEAL)
Developer Yunex LLC
(Principal)

(Signature) Name, Title
Steven Teal, Director of Service

(SEAL)
Fidelity and Deposit Company of Maryland
(Surety)
BY:
(Signature) Annette Audinot, Attorney-in-Fact

Address: 1299 Zurich Way, 5th Floor
Schaumburg, IL 60196-1056

Telephone(847) 605-6000

(Seal and Nota

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Riverside }

On June 9th, 2022 before me, Candace Gallaher - Notary Public, Notary Public
(Here insert name and title of the officer)

personally appeared Steven Teal,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Candace Gallaher
Notary Public Signature (Notary Public Seal)

CANDACE GALLAHER
Notary Public - California
Riverside County
Commission # 2300629
My Comm. Expires Aug 8, 2023

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date_____

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
- ☐ Corporate Officer

(Title)

- ☐ Partner(s)
- ☐ Attorney-in-Fact
- ☐ Trustee(s)
- ☐ Other _____

2015 Version www.NotaryClasses.com 800-873-9865

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he~~/she/~~they,~~ is /~~are~~) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - Indicate title or type of attached document, number of pages and date.
  - Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of New Jersey }

County of Morris }

On June 7, 2022 before me, Kristin S. Bender , Notary Public,
(Here insert name and title of the officer)

personally appeared Annette Audinot,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in ~~his~~/her/~~their~~ authorized capacity(ies), and that by ~~his~~/her/~~the~~ir signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

KRISTIN S. BENDER
NOTARY PUBLIC OF NEW JERSEY
Commission # 2343758
My Commission Expires 4/21/2026

Kristin S Bender
Notary Public Signature (Notary Public Seal)

My Commission Expires: April 21, 2026

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages ____ Document Date____

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
- ☐ Corporate Officer

(Title)

- ☐ Partner(s)
- ☑ Attorney-in-Fact
- ☐ Trustee(s)
- ☐ Other ____

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- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he~~/she/~~they,~~ is /~~are~~) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
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  - Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - Indicate title or type of attached document, number of pages and date.
  - Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by **Robert D. Murray, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Annette Audinot, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings,** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 11th day of July, A.D. 2019.

ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: Robert D. Murray
Vice President

By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 11th day of July, A.D. 2019, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2023

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 7th day of June, 2022.

Brian M. Hodges, Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
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Schaumburg, IL 60196-1056
www.reportsfclaims@zurichna.com
800-626-4577

THE FIDELITY AND DEPOSIT COMPANY

OF MARYLAND
1299 Zurich Way Schaumburg, IL 60196

Statement of Financial Condition
As Of December 31, 2021

ASSETS

Bonds		$ 237,467,504
Stocks		18,985,762
Cash and Short-Term Investments		7,415,852
Reinsurance Recoverable		25,735,324
Federal Income Tax Recoverable		0
Other Accounts Receivable		24,479,233
TOTAL ADMITTED ASSETS		$ 314,083,675

LIABILITIES, SURPLUS AND OTHER FUNDS

Reserve for Taxes and Expenses		$ 378,101
Ceded Reinsurance Premiums Payable		48,876,599
Remittances and Items Unallocated		0
Payable to parents, subs and affiliates		0
Securities Lending Collateral Liability		0
TOTAL LIABILITIES		$ 49,254,700
Capital Stock, Paid Up	$ 5,000,000	
Surplus	264,828,975	
Surplus as regards Policyholders		264,828,975
TOTAL		$ 314,083,675

Securities carried at $78,561,855 in the above statement are deposited with various states as required by law.

Securities carried on the basis prescribed by the National Association of Insurance Commissioners. On the basis of market quotations for all bonds and stocks owned, the Company's total admitted assets at December 31, 2021 would be $319,561,762 and surplus as regards policyholders $270,307,062.

I, LAURA J. LAZARCZYK, Corporate Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing statement is a correct exhibit of the assets and liabilities of the said Company on the 31st day of December, 2021.

DocuSigned by:
Laura J. Lazarczyk
42DF0DB471374B0...
Corporate Secretary

State of Illinois
City of Schaumburg } SS:

Subscribed and sworn to, before me, a Notary Public of the State of Illinois, in the City of Schaumburg, this 15th day of March, 2022.

RYAN HORGAN
Official Seal
Notary Public - State of Illinois
My Commission Expires Dec 10, 2024

Notary Public

EXHIBIT "C"

PRICE AND FEE BID

A – ROUTINE PREVENTATIVE MAINTENANCE

ITEM	DESCRIPTION	EST. ANNUAL QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
A1	Routine Preventative Maintenance of Traffic Signal System performed at each intersection (Includes all items listed in Scope of Services)	288	EA	$ 93.00	$ 26,784.00
A2	Bi Annual night inspection of Safety Lighting	144	EA	$ 8.50	$ 1,224.00
A3	Routine Preventative Maintenance of lighted crosswalk systems	17	EA	$ 56.00	$ 952.00
				TOTAL FOR ITEMS A1 THROUGH A3	$ 28,960.00

B – EXTRAORDINARY MAINTENANCE

ITEM	DESCRIPTION	EST. ANNUAL QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
B1	Replacement of inoperable incandescent safety lights	4	EA	$ 85.00	$ 340.00
B2	Replacement of inoperable LED safety lights	10	EA	$ 600.00	$ 6,000.00
B3	Replacement of missing or damaged visors	5	EA	$ 93.00	$ 465.00
B4	Replacement of reflective street name sign panel	5	EA	$ 90.00	$ 450.00
B5	Replacement of standard loop detector with Type "E" 6' diameter traffic loop, including saw-cut lead-in and cable splicing with hot melt sealant	5	EA	$ 590.00	$ 2,950.00
B6	Replacement of inoperable LED vehicle lamp assembly – ball indication	30	EA	$ 105.00	$ 3,150.00
B7	Replacement of inoperable LED vehicle lamp assembly – Arrow indication	30	EA	$ 105.00	$ 3,150.00
B8	Replacement of countdown signal pedestrian LED Module	15	EA	$ 180.00	$ 2,700.00
B9	New P.P.B. symbol sign current per state standard	6	EA	$ 50.00	$ 300.00
B10	Conflict monitor testing (Field & Bench)	72	EA	$ 60.00	$ 4,320.00
B11	Replacement of batteries for battery back-up system	40	EA	$ 350.00	$ 14,000.00
				TOTAL FOR ITEMS B1 THROUGH B11	$ 37,825.00

C. Labor and Equipment

ITEM	DESCRIPTION	EST. QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
C1	Minimum Call Out labor charge	1	EA	$ 225.00	$ 225.00
C2	Holiday Rate	1	Hourly	$ 165.00	$ 165.00
C3	Signal Maintenance Superintendent or Supervisor	1	Hourly	$ 115.00	$ 115.00
C4	Traffic Signal Technician Level II	1	Hourly	$ 112.00	$ 112.00
C5	Traffic Signal Technician Level III	1	Hourly	$ 112.00	$ 112.00
C6	Maintenance Electrician	1	Hourly	$ 112.00	$ 112.00
C7	Outdoor Lighting Technician	1	Hourly	$ 75.00	$ 75.00
C8	Bench Technician	1	Hourly	$ 112.00	$ 112.00
C9	Communications Maintenance Technician	1	Hourly	$ 111.00	$ 111.00
C10	Laborer	1	Hourly	$ 105.00	$ 105.00
C11	Service/Pick-up Truck	1	Hourly	$ 25.00	$ 25.00
C12	Compressor	1	Hourly	$ 1.00	$ 1.00
C13	Aerial Truck	1	Hourly	$ 35.00	$ 35.00
				TOTAL FOR ITEMS C1 THROUGH C13	$ 1305.00

GRAND TOTALS

A	Annual Routine Preventative Maintenance	$ 28,960.00
B	Extraordinary Maintenance	$ 37,825.00
C	Labor and Equipment	$ 1305.00
	TOTALS FOR A, B, C	$ 68,090.00

*** Overtime & Premium Time Hourly Rates are listed on the following page**

C. Labor & Equipment

ITEM	DESCRIPTION	UNIT OF MEASURE	OVERTIME RATE	PREMIUM TIME RATE
C3	Signal Maintenance Superintendent or Supervisor	Hourly	$144.00	$173.00
C4	Traffic Signal Technician Level II	Hourly	$139.00	$165.00
C5	Traffic Signal Technician Level III	Hourly	$139.00	$165.00
C6	Maintenance Electrician	Hourly	$139.00	$165.00
C7	Outdoor Lighting Technician	Hourly	$93.00	$112.00
C8	Bench Technician	Hourly	$139.00	$165.00
C9	Communications Maintenance Technician	Hourly	$143.00	$174.00
C10	Laborer	Hourly	$147.00	$147.00

Regular, Overtime, and Premium time explanation:

- Regular Hours: Monday thru Friday (excluding holidays) from 7:30am to 4:00pm.
- Overtime Hours: Monday thru Friday after these work hours for the first four straight hours on any job as well as Saturday for the initial 8 working hours.
- Premium Hours: Monday thru Friday after four hours of OT on any one job, Saturdays after 8 hours on any one job, all day Sunday starting at 12:00am until Monday at 7:30am and all holidays starting at 12:00am until the next morning at 7:30am.

EXHIBIT "D"

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

✓ I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____ I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

YUNEX, LLC

By: _____ Date: 6/1/2022

Michael Hutchens, Operations Manager

City Council/Financing Authority Meeting **K. 2.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of the Recycled Water Supply Agreement with Southern California Edison and determination that approval of the agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

MOTION(S):

If City Council determines the staff recommendation is appropriate, the following motions are provided:

1. I move that City Council determine that approval of a Recycled Water Supply Agreement with Southern California Edison is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and

2. I move City Council approve the Recycled Water Supply Agreement with Southern California Edison.

RECOMMENDATION:

Staff recommends that City Council determine that approval of a Recycled Water Supply Agreement with Southern California Edison is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act. Staff further recommends City Council approval of a Recycled Water Supply Agreement with Southern California Edison.

DISCUSSION:

On June 3, 2003, the City and Mountainview Power Company, LLC (Mountainview) executed a Reclaimed Water Supply Agreement (Agreement) to provide reclaimed water produced at the City's wastewater treatment plant (WWTP) for use as cooling tower water at the Mountainview facility. The initial term of the Agreement was twenty (20) years and allowed for as many as four (4) successive five (5) year extensions. Sometime after execution of the Agreement, Mountainview transitioned to Southern California Edison (SCE).

When the original Agreement was executed, the City had not yet constructed its reclaimed water production facility and distribution pipeline (Project). The Agreement identified each party's obligation to participate in construction, operation, and maintenance of the Project. The Agreement also included risk-mitigation language related to the potential pitfalls and uncertainties of the Project. However, the Project was successfully constructed and has operated well for more than two (2) decades. The original Agreement obligated SCE to *"take-or-pay"* for 3,000 acre-feet of reclaimed water, although SCE only used approximately 1,500 acre-feet of reclaimed water annually throughout the initial term. Nonetheless, the City was obligated to "reserve" 3,000 acre-feet of reclaimed water annually for potential SCE use, which prevented the City from expanding its reclaimed water customer base within the "donut hole" area. Much of the original Agreement language is no longer applicable. Therefore, MUED and SCE staff worked cooperatively to draft a new Recycled Water Supply Agreement (RW Agreement).

MUED staff and SCE staff began negotiating terms for the RW Agreement in 2022, prior to the end of the initial Agreement term. SCE requested one (1) year Agreement extensions in May 2023 and May 2024 due to unanticipated staffing issues that delayed the negotiation. The RW Agreement:

- Is modeled after the original Agreement;
- Includes an initial term of twenty (20) years;
- Removes language that is no longer applicable, such as language related to construction of facilities;
- Updates terms and language to comport with current regulations and laws;
- Simplifies recycled water unit pricing and invoicing;
- Includes a reasonable annual unit price escalation that more closely aligns the SCE rate with the City's standard recycled water unit price through the RW Agreement term;
- Reduces the SCE annual *"take-or-pay"* volume to 1,500 acre-feet, which allows the City to expand its recycled water customer base;
- Obligates the City to provide recycled water that meets California State Water Resources Control Board Title 22 standards.

Approval of the RW Agreement is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act since it can be seen with certainty that there is no possibility that doing so will have a significant effect on the environment.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction.

STRATEGIC PLAN:

Approval of the Recycled Water Supply Agreement supports Strategic Plan Priority D - Sustainability, Strategic Objective 2 - "Expand the non-potable water system". This RW Agreement increases annual recycled water availability by 1,500 acre-feet, which allows the City to expand its recycled water customer base.

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director

PREPARED BY:
John R. Harris, Municipal Utilities and Engineering Director

Fiscal Impact

Fiscal Year:	FY 24/25
Revenue Generating:	Y
Appropriation Required Y/N:	N

Discussion:

There is no fiscal impact associated with this action. Revenues generated through this agreement will offset the costs to produce recycled water for use by Southern California Edison.

Attachments

2003 Reclaimed Water Supply Agreement
SCE Extension Request_May 2023
SCE Extension Request_May 2024
2025 Recycled Water Supply Agreement
Recycled Water Supply Agreement Rate Escalation Schedule

RECLAIMED WATER SUPPLY AGREEMENT

RECLAIMED WATER SUPPLY AGREEMENT (this "**Agreement**"), dated as of June 3, 2003, by and between Mountainview Power Company, LLC ("**Mountainview**") and the City of Redlands ("**Redlands**"). Both Mountainview and Redlands are hereinafter sometimes referred to as a "**Party**" and, collectively, as the "**Parties**".

WHEREAS, Mountainview is developing a power generation facility (as further defined below, the "**Project**") which will provide substantial benefits for the State of California and the Redlands area;

WHEREAS, Redlands is constructing and will own and operate a water reclamation facility (as further defined below, the "**Redlands Facility**") for the handling, treatment and delivery of reclaimed water which meets and is anticipated to continue to meet all applicable governmental requirements (such treated water, as further defined below, "**Reclaimed Water**");

WHEREAS, Redlands and Mountainview have entered into that certain Development Agreement, effective as of October 24, 2000 (as in effect from time to time, the "**Development Agreement**"), relating to the Project; and

WHEREAS, Redlands is willing to provide and Mountainview is willing to accept, in each case pursuant to the terms of this Agreement, Reclaimed Water;

NOW THEREFORE, the Parties hereto, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, do hereby agree as follows:

ARTICLE I

DEFINITIONS

"**Bankruptcy Code**" means the Bankruptcy Reform Act of 1978, Title II of the United States Code, as amended, and any other applicable law with respect to bankruptcy, insolvency or reorganization that is successor thereto.

"**Bankruptcy Event**" means, in respect of any Person, (a) such Person shall (i) apply for or consent to the appointment of, or the taking of possession by, a receiver, custodian, trustee or liquidator of itself or of all or substantially all of its property, (ii) admit in writing its inability, or be generally unable, to pay its debts as such debts become due, (iii) make a general assignment for the benefit of its creditors, (iv) commence a voluntary case under the Bankruptcy Code or any similar or corresponding insolvency law, (v) file a petition seeking to take advantage of any law relating to bankruptcy, insolvency, reorganization, winding-up, or composition or readjustment of debts, (vi) fail to controvert in a timely and appropriate manner, or acquiesce in writing to, any petition filed against such Person in an involuntary case under the Bankruptcy Code or any similar or corresponding insolvency law, or (vii) take any other action for the purpose of effecting any of the foregoing; or (b) a proceeding or case shall be commenced without the application or consent of such Person in any court of competent jurisdiction, seeking (i) its liquidation, reorganization, dissolution, winding-up, or the composition or readjustment of debts, (ii) the appointment of a trustee, receiver, custodian, liquidator or the like of such Person

under any law relating to bankruptcy, insolvency, reorganization, winding-up, or composition or adjustment of debts, and such proceeding or case shall continue undismissed, or any order, judgment or decree approving or ordering any of the foregoing shall be entered and continue unstayed and in effect, for a period of 90 or more consecutive days, or any order for relief against such Person shall be entered in an involuntary case under the Bankruptcy Code or any similar or corresponding insolvency law.

"**Base Rate**" has the meaning specified in Section 2.2(a).

"**Business Day**" means any day other than a Saturday, a Sunday or a day on which banking institutions are authorized or obligated by law or executive order to close in the City of New York or the State of California.

"**Capital Improvements**" means any new equipment or facilities, or replacement of existing equipment or facilities (in either case such as force main piping or pumps) and related items necessary to ensure that the Pipeline is capable of delivering Reclaimed Water to the Delivery Point in the quantities specified in this Agreement.

"**Commencement Notice**" means a written notice from Mountainview to Redlands delivered at the election of Mountainview at the later to occur of Substantial Completion of the Project and the Redlands Facility being able to produce Reclaimed Water meeting the requirements of this Agreement.

"**Delivery Point**" means the point immediately south of the Project on San Bernardino Avenue where the Pipeline is physically connected to the Project, capable of delivering a minimum of 3,500 gallons per minute of water to the Project, and at a minimum hydraulic grade line of "maximum water level tank plus 10 feet."

"**Development Agreement**" has the meaning specified in the Recitals to this Agreement.

"**Escalation Start Date**" has the meaning specified in Section 2.2(c).

"**Excess Reclaimed Water**" has the meaning specified in Section 2.1(c).

"**Financing Parties**" shall mean those Persons (other than Mountainview) party to the loan contracts, promissory notes, documents, guarantee contracts, mortgages, pledges, subordination contracts, assignment contracts, subscription contracts, capital contribution contracts and other documents related to the acquisition of debt (whether senior or subordinate) and capital to carry out the Project, including any modification, extension, renewal, refinancing or replacement of the same.

"**Force Majeure**" means an event beyond the reasonable control, and not attributable to the negligence or willful misconduct, of the Party affected, including but not limited to the following: flood; earthquake; storm; lightning; fire; explosion; war; riot; civil disturbance; strike; sabotage; or electrical outage; *provided, however*, that Force Majeure shall not include any equipment failure due to normal wear and tear or due to neglected maintenance or repair.

"**Governmental Approval**" means any law, rule or regulation of any Governmental Authority and any authorization, consent, approval, license, franchise, lease, ruling, permit (including but not limited to any National Pollutant Discharge Elimination System (NPDES) permit), tariff, rate, certification, exemption, filing or registration by or with any Governmental Authority (including, without limitation, zoning variances, special exceptions and non-conforming uses) relating to the construction, ownership, operation or maintenance of the Project, the Pipeline or the Redlands Facility (including those relating to Reclaimed Water), as the case may be.

"**Governmental Authority**" means the California Department of Health Services and any national, federal, state, provincial, departmental or municipal government or any political subdivision thereof, and any other entity exercising executive, legislative, judicial, regulatory or administrative functions of or pertaining to government, and any other governmental entity with authority over any aspect of the construction or operation of the Project, the Pipeline, the Reclaimed Water or the Redlands Facility, but excluding in each case Redlands.

"**Minimum Standards**" means the minimum acceptable quality of Reclaimed Water described in Exhibit "A" attached hereto and incorporated herein.

"**Mountainview**" has the meaning specified in the Recitals to this Agreement.

"**Non-Conforming Notice**" has the meaning specified in Section 2.4(a).

"**Non-Conforming Reclaimed Water**" means reclaimed water from the Redlands Facility which would otherwise be Reclaimed Water but for its failure to meet all requirements of applicable Governmental Approvals and the Minimum Standards.

"**Parties**" or "**Party**" has the meaning specified in the Recitals to this Agreement.

"**Person**" means any individual, corporation, partnership, limited liability company, joint venture, incorporated or unincorporated association, joint stock company, trust, or other unincorporated organization, governmental body, instrumentality or agency, or other entity of any kind.

"**Pipeline**" means the approximately 3 mile pipeline, related pumphouse and ancillary facilities required to connect the Delivery Point with the Redlands Facility for the purpose of delivery of Reclaimed Water in accordance with this Agreement. The Pipeline will be comprised of, among other things, an approximately 24" diameter pipe and related pumphouse with a design capacity of 7,000 gallons per minute rate.

"**Project**" means the power generation facility to be constructed in Redlands, California, including any water supply facilities installed by Mountainview on Mountainview's side of the Delivery Point.

"**Project Financial Closing**" means the date Mountainview obtains an initial drawdown on the financing for the construction of the Project. Mountainview agrees to provide written notice to Redlands within thirty (30) days after Mountainview obtains such initial drawdown.

"**Real Estate Rights**" means those interests in real estate of a recordable and insurable nature, including but not limited to fee interests, easements and rights of way and any other interests in real estate reasonably acceptable to Mountainview including revocable or irrevocable licenses, necessary or desirable for the siting of the Pipeline.

"**Reclaimed Water**" means Reclaimed water provided from the Redland's Facility which meets all applicable Governmental Approvals and the requirements described in Exhibit "A" and is delivered through the Pipeline.

"**Redlands**" has the meaning specified in the Recitals to this Agreement.

"**Redlands Facility**" means the water reclamation facility owned and operated by Redlands located in Redlands, California which will provide Reclaimed Water transported by and through the Pipeline under and in accordance with the terms of this Agreement.

"**Shortfall Notice**" has the meaning specified in Section 2.1(a).

"**Signal Indicator**" means the real-time water tank level indicator signal located at or near the Delivery Point.

"**SoCal Index**" means the consumer price index for Los Angeles-Riverside-Orange County for a calendar year as published in the United States Department of Commerce, Bureau of Economic Analysis publication entitled "Survey of Current Business".

"**Substantial Completion**" means the date that "Substantial Completion" of the Project occurs or is deemed to have occurred under the engineering, construction and procurement contract relating to the Project.

ARTICLE II

SUPPLY OF RECLAIMED WATER

SECTION 2.1 Reclaimed Water Supply.

(a) Subsequent to completion of the Pipeline and promptly following delivery of a Commencement Notice and throughout the Term of this Agreement, Redlands shall use its best efforts to make available to Mountainview by January 1, 2005, unless otherwise provided for in Section 2.1(b) a daily quantity of Reclaimed Water of not less than 5.04 million gallons per day. If Redlands is unable on any day to make available such daily minimum quantity of Reclaimed Water, whether due to a shortage of Reclaimed Water, due to the presence of Non-Conforming Reclaimed Water or otherwise, Redlands shall promptly (but in any event within 5 hours of obtaining knowledge thereof) notify Mountainview orally (with prompt written confirmation thereof) or in writing of such inability to provide the minimum daily quantity of Reclaimed Water (a "**Shortfall Notice**"). Each Shortfall Notice shall specify (i) that a shortfall in the delivery of Reclaimed Water has occurred or will occur, the amount of such shortfall, the reasons for such shortfall and the anticipated length of such shortfall, including in each case all relevant dates and (ii) the steps Redlands is taking to remedy the shortfall. Redlands shall undertake to remedy such shortfall at its sole expense and as promptly as practicable.

(b) All Reclaimed Water shall be provided at a pressure customary for similar service and mutually agreed to by the Parties. Actual acceptances of Reclaimed Water by Mountainview may be less than the maximum allowed and actual usage will, at the sole discretion of Mountainview, vary according to the electric dispatch of the Project, weather conditions and electrical outages (forced or scheduled). Mountainview shall also have the right to stop deliveries of Reclaimed Water in the event that the water stored in the on-site storage tank on the site of the Project is above the 50 percent level and Redlands shall act in such event to stop deliveries of Reclaimed Water without additional notice from Mountainview. Title and risk of loss of Reclaimed Water shall pass to Mountainview upon Mountainview's receipt of such Reclaimed Water at the Delivery Point. Until such time as title to Reclaimed Water passes to Mountainview, Redlands shall bear risk of loss of Reclaimed Water and shall retain liability for any and all claims, costs, demands, damages, expenses, liabilities and losses relating to Reclaimed Water or other discharges from the Redlands Facility.

(c) If Reclaimed Water is available from the Redlands Facility in an amount in excess of 4,000 acre feet ("**Excess Reclaimed Water**") per year, Mountainview shall purchase the Excess Reclaimed Water to the extent it can be utilized by Mountainview for any lawful purpose and any acceptances of Excess Reclaimed Water shall be in accordance with the terms of this Agreement, including but not limited to Section 2.2. The foregoing provisions of this Section 2.1(c) notwithstanding, Mountainview shall have the right at all times to utilize water from other sources, including without limitation from wells located or controlled by Mountainview or its affiliates.

(d) In the event that Redlands is unable in good faith to deliver the Reclaimed Water by January 1, 2005, Redlands shall notify the California Energy Commission of its inability to so deliver and the date, if any, by which Redlands anticipates that Reclaimed Water will be delivered.

(e) During the period prior to the delivery of the Commencement Notice, Redlands shall use its best efforts to deliver to the Delivery Point sufficient Reclaimed Water to support the start-up, commissioning and testing of the Project and Mountainview shall pay Redlands the variable portion of the Base Rate as contemplated by Section 2.1(b) for such volumes of Reclaimed Water actually received at the Delivery Point. Unless otherwise agreed by Redlands, the amount of Reclaimed Water to be delivered by Redlands pursuant to this Section 2.1(e) shall not exceed 100 acre feet.

(f) Mountainview shall provide Redlands with an estimate of Reclaimed Water needs every Friday prior to the following week's operation to assist Redlands in developing delivery schedules for Reclaimed Water, and the Parties shall work together in good faith to coordinate the timing of delivery of Reclaimed Water in accordance with such notice and the other terms of this Agreement; *provided, however* that Mountainview shall be under no obligation to accept any or all of the anticipated Reclaimed Water if Mountainview's actual demand for such is less than the estimate provided to Redlands. Subject to the requirements of applicable Governmental Approvals and prudent practice, Redlands shall use its best efforts to coordinate any transmission of Reclaimed Water discharge so as to maximize the quantity of Reclaimed Water made available to Mountainview with due regard to the timing of the Project's Reclaimed Water requirements.

(g) The foregoing provisions of this Section 2.1 notwithstanding, Redlands shall, at all times during the Term, use its best efforts to meet Mountainview's Reclaimed Water requirements.

SECTION 2.2 Compensation.

(a) Subject to Sections 2.2(c) and 3.2(c) below, Mountainview shall pay Redlands monthly in accordance with Section 4.1(c) for all Reclaimed Water delivered to the Delivery Point during the prior month. The base rate for Reclaimed Water (the "**Base Rate**") supplied shall be according to the following schedule:

ACRE FEET (GALLONS PER YEAR)	$/PER ACRE FOOT ($/PER 1000 GALLONS)
0 - 4,000	$110.00
(0 - 1,303,315,200)	($0.337)
For Excess Reclaimed Water	$60.00 ($0.184)

(b) The rates specified in Section 2.2(a) above are stated as of January 1, 2004 (the "**Escalation Start Date**"). As of the Escalation Start Date, the variable portion of the Base Rate shall be $60.00 per acre foot ($0.184 per 1000 gallons), with the remainder being the fixed portion of the Base Rate. During the Term, the variable portion of the Base Rate shall be subject to escalation on each anniversary of the June 1 of the year Reclaimed Water is delivered to the Project in accordance with the SoCal Index (with 2004 being the base year), or if the parties so elect, such other mutually agreeable escalation index.

(c) Notwithstanding Section 2.2(a) above, but subject to Section 2.4(b), Mountainview shall take or pay for a minimum of 3,000 acre feet per year at the fixed portion of the Base Rate, if the Reclaimed Water is deliverable by Redlands to the Delivery Point. Such annual take or pay requirements shall be measured from the anniversary of the date of delivery of the Commencement Notice, which shall occur, or be deemed to have occurred, no later than September 30, 2005; *provided, however* that neither party shall be liable for their respective inability to deliver or take such Reclaimed Water at any time prior to such date. Notwithstanding the foregoing, in the event that delivery of Reclaimed Water to Mountainview occurs after the date of delivery of the Commencement Notice, the annual take or pay obligations set forth in this Section 2.2 shall be based on the later date.

SECTION 2.3 Service Interruptions.

Upon the event of a temporary interruption or curtailment in Reclaimed Water delivery attributable to a break or leak in the Pipeline or otherwise, Redlands shall have a reasonable period of time, not to exceed 18 hours from the commencement of the interruption or curtailment, to make needed repairs and to restore full service. Redlands shall provide a Shortfall Notice in accordance with Section 2.1(a) upon the interruption or curtailment of Reclaimed Water under this Section. If Redlands fails to restore full service within such period of time, the following provisions shall apply:

(a) Mountainview shall have the right, but not the obligation, to contract with such contractors as reasonably approved by Redlands from time to time to step in and remedy the interruption or curtailment, with the good faith cooperation and under the direction of a Redlands engineer or other duly appointed official of Redlands.

(b) All reasonable costs associated with the taking of actions under Section 2.3(a) shall be borne by Redlands.

SECTION 2.4 Non-Conforming Reclaimed Water.

(a) Redlands and Mountainview shall mutually and in good faith cooperate to designate a laboratory to be used for analyzing Reclaimed Water quality, at Redlands' sole expense, prior to the commencement of deliveries of Reclaimed Water in order to analyze the quality of the Reclaimed Water prior to, and as a condition to, Redlands' delivery of Reclaimed Water to Mountainview. The Parties may, from time to time, designate in writing a successor or replacement laboratory to conduct any analysis of Reclaimed Water under this Agreement.

(b) Either party may, from time to time, take samples of Reclaimed Water for the purpose of analyzing the Reclaimed Water delivered or to be delivered under this Agreement. If at any time during the Term, the Reclaimed Water is reasonably suspected by Redlands or Mountainview to be Non-Conforming Reclaimed Water or any sample conducted pursuant to the first sentence of this Section 2.4(b) indicates that Non-Conforming Reclaimed Water has been or is to be delivered, a confirmation sample shall be collected and analyzed, at Redlands' sole expense, at the laboratory chosen pursuant to Section 2.4(a). In the event that such confirmation sample is determined to be Non-Conforming Reclaimed Water, (i) Redlands shall immediately stop delivery of Reclaimed Water and shall, at its sole expense, take any and all corrective action needed to conform the Reclaimed Water to the Minimum Standards and Governmental Approvals and provide additional samples confirming that the Reclaimed Water meets the Minimum Standards and Governmental Approvals and (ii) Mountainview shall be relieved of its obligations to take Reclaimed Water under Section 2.2(c) and the annual minimum take or pay obligations under this Agreement shall be reduced on a pro rata basis.

(c) If Redlands becomes aware that it has provided or will provide Non-Conforming Reclaimed Water, Redlands shall promptly (but in any event within 5 hours of obtaining knowledge thereof) notify Mountainview orally (with prompt written confirmation thereof) or in writing (a "**Non-Conforming Notice**"). Each Non-Conforming Notice shall specify (i) the cause of such Reclaimed Water being Non-Conforming Reclaimed Water and (ii) the steps Redlands is taking to remedy the situation.

(d) Mountainview shall have the right to reject all Non-Conforming Reclaimed Water. Redlands shall have the responsibility at its own cost and expense to accept and treat or re-treat any Non-Conforming Reclaimed Water rejected by Mountainview. Redlands shall have the responsibility at its own cost and expense to transport any Non-Conforming Reclaimed Water Mountainview rejects back to the Redlands Facility through the Pipeline or to the nearest available and practicable point of entry into Redlands waste water collection system or such other disposal method elected by Redlands.

(e) Any Non-Conforming Reclaimed Water accepted by Mountainview shall not be subject to the rates in Section 2.2(a) above or any other payment obligations under this Agreement, nor shall Redlands be entitled to any other form of compensation in respect of such Non-Conforming Reclaimed Water.

(f) Redlands acknowledges and agrees that it shall be solely responsible to pay for, or reimburse Mountainview to the extent Mountainview has paid for, all claims, costs, demands, damages, expenses, increased operation and maintenance expenses or costs (including those relating to the Project, the Pipeline or the Redlands Facility), liabilities and repairs or replacement of equipment (including repairs or replacement of equipment of the Project, the Pipeline or the Redlands Facility) arising, directly or indirectly, from the delivery of any Non-Conforming Reclaimed Water under this Agreement unless the delivery of such Non-Conforming Reclaimed Water was notified and accepted in accordance with the terms of this Agreement.

ARTICLE III

PIPELINE, SIGNAL INDICATOR AND REAL ESTATE RIGHTS

SECTION 3.1 Concerning the Signal Indicator and the Pipeline.

(a) Mountainview shall be solely responsible, at its cost and expense, for purchasing and installing the Signal Indicator. As soon as is reasonably practical following the execution of this Agreement and from time to time thereafter as is reasonably necessary, the Parties shall meet to discuss the final design and siting of the Signal Indicator. The Parties agree to cooperate in good faith to effect the purposes of this Article.

(b) Redlands shall be solely responsible, at its cost and expense, for constructing and installing the Pipeline and operating and maintaining the Signal Indicator. As soon as is reasonably practical following the execution of this Agreement and from time to time thereafter as is reasonably necessary, the Parties shall meet to discuss the final design and siting of the Pipeline. The Parties agree to cooperate in good faith to effect the purposes of this Article.

(c) Redlands shall be solely responsible, at its cost and expense, for final design of the Pipeline, the selection of the contractor to construct the Pipeline and the siting of the Pipeline. Mountainview shall have the right to review and comment on the design of the Pipeline, the selection of the contractor and the siting of the Pipeline and Redlands shall incorporate those of Mountainview comments that it finds reasonable and in accordance with prudent practice and applicable Governmental Approvals.

(d) Mountainview and Redlands shall cooperate in good faith to obtain the necessary Real Estate Rights for the construction, operation and maintenance of and access to the Pipeline. From time to time Mountainview and Redlands shall meet and discuss the siting of the Pipeline and the course of action best suited to obtain such Real Estate Rights in the most time efficient manner and with the least cost.

SECTION 3.2 Operation and Maintenance of the Pipeline and Signal Indicator.

(a) Redlands shall operate and maintain the Pipeline and the Signal Indicator in a good and workmanlike manner, consistent with prudent practices and shall continuously maintain the Pipeline and the Signal Indicator in good operating condition and in compliance with all Governmental Approvals applicable to the Pipeline and the Signal Indicator. Such operation and maintenance by Redlands shall be accomplished in a manner so as to minimize to the maximum extent practicable any disruption or interruption in the services to be provided under this Agreement.

(b) Redlands shall install, own and maintain metering equipment to measure the delivery of Reclaimed Water to the Delivery Point. The metering equipment shall transmit to Mountainview and Redlands the daily amount of Reclaimed Water delivered to the Delivery Point in accordance with this Agreement. At least once every year, or more frequently if Mountainview reasonably requests, and with at least one week prior written notice to Mountainview, Redlands shall test the accuracy of the metering equipment, at which time Mountainview shall have the right to be present. If such test indicates that the metering equipment is not measuring accurately, Redlands shall recalibrate or replace the metering equipment and, if appropriate, a billing adjustment shall be made.

(c) Mountainview shall make available to Redlands such rights of access to its property as may be reasonably necessary to allow Redlands to meet its obligations under this Agreement in respect of the operation and maintenance of the Signal Indicator. Prior to Redlands obtaining access to the property of Mountainview as described in this Section 3.2(c), Redlands shall provide evidence reasonably acceptable to Mountainview that Redlands has in place insurance coverage with reputable and credit worthy insurers sufficient to insure against any risks that may be encountered in connection with such access.

SECTION 3.3 Capital Improvements to the Pipeline.

(a) Redlands shall bear costs and expenses in connection with the implementation of the Capital Improvements to the Pipeline.

(b) In the event that Redlands or its agents causes damage to the property of Mountainview (including but not limited to the Project) while constructing, installing, operating, maintaining or repairing the Capital Improvements or the Pipeline, Redlands shall restore or pay Mountainview to restore, at Mountainview's election, Mountainview's property or the Project as nearly as possible to its condition prior to such damage. In the event that Mountainview causes damage to the Capital Improvements or the Pipeline while constructing, installing, operating, maintaining or repairing the Project, Mountainview shall restore or pay Redlands to restore, at Redlands' election, the Capital Improvements or the Pipeline as nearly as possible to its condition prior to such damage.

ARTICLE IV

ADDITIONAL OBLIGATIONS OF THE PARTIES

SECTION 4.1 Additional Obligations of Redlands.

(a) Promptly upon obtaining knowledge thereof (but in any event within 5 hours of obtaining knowledge thereof), Redlands shall provide Mountainview with oral (with prompt written confirmation thereof) or written notice of any violation of applicable Governmental Approvals relating to the Redlands Facility or the Pipeline.

(b) Promptly after submission thereof to the applicable Governmental Authority, Redlands shall provide Mountainview with a copy of any report, filing, notice, request for variance or similar document filed with or submitted to a Governmental Authority that relates to the Redlands Facility and that may affect the delivery of Reclaimed Water under and in accordance with this Agreement or the Pipeline.

(c) Not later than the fifteenth day of each month following the month in which delivery of Reclaimed Water commences or at such other time as required in accordance with this Agreement, Redlands shall provide to Mountainview a written invoice specifying in reasonable detail (including the method of calculation of any amounts invoiced) the amount claimed by Redlands from Mountainview in accordance with this Agreement, including amounts under Sections 2.2, 3.2, and 3.3. Undisputed amounts set forth in any invoice shall be due and payable by Mountainview not later than 20 days following receipt of such invoice.

(d) Redlands shall, upon prior written or oral request therefor, provide Mountainview, the Financing Parties and each of their respective agents, consultants, advisors and representatives with escorted access during normal business hours to the Redlands Facility, the Pipeline and the other property of Redlands as may be reasonably requested in connection with the development, financing, construction, operation and maintenance of the Project. Redlands shall, upon prior written or oral request therefor, provide Mountainview, the Financing Parties and each of their respective agents, consultants, advisors and representatives with access during normal business hours to (and the right to reproduce) Redlands books and records relating directly or indirectly to this Agreement and the performance of Redlands obligations hereunder (including books and records relating to Governmental Approvals and compliance therewith) as may be reasonably necessary in connection with the development, financing, construction, operation and maintenance of the Project.

(e) Upon the reasonable request of Mountainview, Redlands shall, at the cost and expense of Mountainview, execute such additional certificates, documents, instruments, agreements and take such actions as may be reasonably required to give effect to the terms and conditions of this Agreement.

(f) Not later than the fifteenth day of each month following the commencement of delivery of Reclaimed Water or at such other time as required in accordance with this Agreement, Mountainview shall provide to Redlands a written invoice specifying in reasonable detail (including the method of calculation of any amounts invoiced) the amount claimed by

Mountainview from Redlands in accordance with this Agreement. Undisputed amounts set forth in any invoice shall be due and payable by Redlands not later than 30 days following receipt of such invoice.

(g) Upon the reasonable request of Redlands, Mountainview shall, at its cost and expense, execute such additional certificates, documents, instruments, agreements and take such actions as may be reasonably required to give effect to the terms and conditions of this Agreement.

ARTICLE V

FORCE MAJEURE

SECTION 5.1 Force Majeure.

If either Party shall be unable to carry out any obligation under this Agreement due to Force Majeure, this Agreement shall remain in effect, but such obligation shall be suspended for the period necessary as a result of the Force Majeure, *provided, that*:

(a) the non-performing Party gives the other Party written notice not later than seventy-two (72) hours after the occurrence of the Force Majeure describing the particulars of the Force Majeure, including but not limited to the nature of the occurrence and the expected duration of the disability, and continues to furnish timely regular reports with respect thereto during the period of Force Majeure and the disability;

(b) the suspension of performance is of no greater scope and of no longer duration than is required by the Force Majeure; and

(c) the non-performing Party uses its best efforts to remedy its inability to perform.

Notwithstanding the foregoing, the settlement of strikes, lockouts, and other labor disputes shall be entirely within the discretion of the affected Party, and such Party shall not be required to settle any strike, lockout or other labor dispute on terms which it deems inadvisable.

ARTICLE VI

TERM

SECTION 6.1 Term.

(a) This Agreement shall take effect upon execution of the appropriate counterpart by each Party and, except as provided in Section 6.1(b), Section 6.1(c) or Section 6.2 below, shall remain in effect for a period of twenty (20) years (the "**Term**"). Mountainview may elect, in its sole election, to extend this Agreement for one (1) or more (but in no event more than four (4)) successive five (5) year terms by providing written notice to that effect to Redlands not later than six (6) months prior to the expiration of the then effective Term. All references in this Agreement to the word "Term" shall mean the initial twenty (20) year Term as extended by Mountainview and during the Term of this Agreement (as it may be extended) all the provisions

of this Agreement shall remain in full force and effect; *provided*, that in respect of the compensation provisions of this Agreement: (i) the variable portion of the Base Rate shall continue to escalate in accordance with Section 2.2(b); (ii) the fixed portion of the Base Rate (which is not subject to escalation pursuant to Section 2.2(b)) shall increase by 10% for each five (5) year extension elected by Mountainview; and (iii) the take or pay requirements set forth in Section 2.2(c) shall not apply to any extension elected by Mountainview.

(b) This Agreement may be terminated by Mountainview in its sole discretion (i) if Mountainview is unable to obtain financing for the Project or (ii) if Mountainview is unable to obtain all permits, licenses, and approvals necessary to construct and operate the Project. Termination under this Section 6.1(b) shall be effective upon Redlands receipt of notice to that effect.

(c) Either Party may terminate this Agreement if Mountainview has not delivered a Commencement Notice by September 30, 2005. Notwithstanding the foregoing, in the event a Commencement Notice is delivered prior to the delivery of written notice terminating this Agreement under this Section 6.1(c), this Section 6.1(c) shall become inapplicable.

SECTION 6.2 Early Termination for Event of Default.

(a) Mountainview may terminate this Agreement (i) upon a Bankruptcy Event of Redlands or (ii) if Redlands fails to perform or observe any of its material obligations under this Agreement within the time contemplated by this Agreement and such failure continues for a period of time greater than thirty (30) days from Redlands' receipt of notice thereof; *provided*, that if Redlands is diligently pursuing a cure of such failure and such failure is not capable of remedy within such thirty (30) day period, such thirty (30) day period shall be extended to such period of time as Mountainview may agree in its sole discretion. For the avoidance of doubt, it is understood that the failure to deliver Reclaimed Water to the Delivery Point shall be grounds for early termination under this Section; *provided*, that if the failure to provide Reclaimed Water to the Delivery Point is excused due to the occurrence of Force Majeure, Mountainview may only terminate this Agreement if such Force Majeure continues for a period of time in excess of one hundred twenty (120) days whether or not such failure is excused by the occurrence of such Force Majeure.

(b) Redlands may terminate this Agreement (i) upon a Bankruptcy Event of Mountainview or (ii) if Mountainview fails to perform or observe any of its material obligations under this Agreement within the time contemplated by this Agreement and such failure continues for a period of time greater than thirty (30) days from Mountainview's receipt of notice thereof; *provided*, that if Mountainview is diligently pursuing a cure of such failure and such failure is not capable of remedy within such thirty (30) day period, such thirty (30) day period shall be extended to such period of time as Redlands may agree in its sole discretion. The foregoing notwithstanding, Redlands may not terminate this Agreement without first giving the Financing Parties written notice of Redlands intention to terminate this Agreement and giving such Financing Parties an additional reasonable period of time (but in any event not less than an additional 90 days) to remedy the event giving rise to the right of Redlands to terminate this Agreement. Mountainview covenants and agrees to give written notice to Redlands concerning the identities and contact information of the Financing Parties from time to time and Redlands

shall only be obligated to provide the aforementioned notice to Financing Parties of which it has received notice.

ARTICLE VII

MISCELLANEOUS

SECTION 7.1 Entire Agreement, Amendments, Etc.

This Agreement represents the entire agreement of the Parties hereto as to the matters contained herein, and supercedes any and all other agreements, either verbal or in writing, between the Parties with respect to the matters contained herein; *provided* that the Development Agreement shall remain in full force and effect as set forth therein. No amendment or waiver of any provision of this Agreement shall be effective unless in writing and signed or consented to by the Parties and then such waiver shall be effective only in the specific instance and for the specific purpose for which given.

SECTION 7.2 Assignment.

Neither Party may assign this Agreement without the prior written consent of the other Party; *provided, however*, that Mountainview may assign this Agreement to any affiliate or to the Financing Parties as collateral security or otherwise without the prior written consent of Redlands.

SECTION 7.3 Cooperation in Financing.

Redlands agrees to cooperate from time to time with Mountainview and the Financing Parties in connection with the financing of the Project. In furtherance thereof, Redlands agrees to enter into such consents to assignments or other agreements as Mountainview or the Financing Parties may reasonably request and Redlands agrees to provide such certificates from its officers and such opinions of counsel (which may be outside counsel) as Mountainview or the Financing Parties may reasonably request. Mountainview agrees to reimburse Redlands for any reasonable costs and expenses incurred by Redlands in complying with its obligations under this Section 7.3, including the reasonable fees and expenses of counsel to Redlands.

SECTION 7.4 Notices, Etc.

All notices and other communications provided for hereunder shall be in writing (including by telecopier) and shall be mailed, telecopied or delivered, if to Mountainview, to it at 25770 San Bernardino Avenue, San Bernardino, CA 92406, Attention: Project Manager and a copy to General Counsel, 15 Wayside Road, Burlington, MA 01803, (Fax: 781-993-3122); if to Redlands, to it at 35 Cajon St., Suite 15A, Attention: Municipal Utilities Director, (Fax: 909-798-7670), as to each Party, to it at such other address or telecopier number as designated by such Party in a written notice to the other Parties. All such notices and communications shall be deemed received, (a) if personally delivered, upon delivery, (b) if sent by first class mail, on the third business day following deposit into the mails and (c) if sent by telecopier, upon acknowledgement of receipt thereof by the recipient.

SECTION 7.5 Severability.

Any provision of this Agreement that is prohibited, unenforceable or not authorized in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition, unenforceability or non-authorization without invalidating the remaining provisions of this Agreement or affecting the validity, enforceability or authorization of such provision in any other jurisdiction.

SECTION 7.6 Binding Effect.

This Agreement shall be binding upon and inure to the benefit of the Parties and their respective successors and permitted assigns.

SECTION 7.7 Governing Law.

THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF CALIFORNIA WITHOUT REFERENCE TO THE CONFLICT OF LAW PRINCIPLES THEREOF.

SECTION 7.8 Headings.

The section and subsection headings used herein have been inserted for convenience of reference only and do not constitute matters to be considered in interpreting this Agreement.

SECTION 7.9 Execution in Counterparts.

This Agreement may be executed in any number of counterparts and by different Parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 7.10 Waiver of Jury Trial.

THE PARTIES HEREBY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVE THE RIGHT EACH MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION BASED HEREON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT AND ANY AGREEMENTS CONTEMPLATED HEREBY TO BE EXECUTED IN CONJUNCTION THEREWITH, OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER ORAL OR WRITTEN) OR ACTIONS OF EACH PARTY. THIS PROVISION IS A MATERIAL INDUCEMENT FOR THE PARTIES ENTERING INTO THIS AGREEMENT.

SECTION 7.11 Waiver of Sovereign Immunity

Each Party acknowledges and agrees that the activities contemplated under this Agreement are commercial in nature rather than governmental or public, and therefore acknowledges and agrees that, to the greatest extent permitted by applicable law, it is not entitled to any right of immunity on the grounds of sovereignty or otherwise with respect to such activities or in any legal action or proceeding arising in connection with this Agreement. Each

Party, in respect of itself, its process agents, and its properties and revenues, expressly and irrevocably waives, to the greatest extent permitted by applicable law, any such right of immunity which may now or hereafter exist (including any immunity from any legal process, from the jurisdiction of any court or from any execution or attachment in aid of execution prior to judgment or otherwise) or claim thereto which may now or hereafter exist, and agrees not to assert any such right or claim in any action or proceeding.

SECTION 7.12 Indemnity

(a) Mountainview shall defend, indemnify and hold harmless Redlands and its elected officials, officers and employees, from and against any and all claims, causes of action, damages or liability arising out of, or resulting from, the negligent acts or omissions of Mountainview in the execution and delivery of this Agreement or performance of its obligations, or Mountainview's use of Reclaimed Water pursuant to this Agreement.

(b) Redlands shall defend, indemnify and hold harmless Mountainview and the Financing Parties and their respective officials, officers and employees, from and against any and all claims, causes of action, damages or liability arising out of, or resulting from, the negligent acts or omissions of Redlands in the execution and delivery of this Agreement or performance of its obligations under this Agreement.

SECTION 7.13 Salt Credits.

Redlands shall have the right to take credit for any "salts" discharged into the Santa Ana Regional Interceptor line from the Project.

SECTION 7.14 Attorneys' Fees.

In the event any action is commenced to enforce or interpret the terms or conditions of this Agreement the prevailing party shall, in addition to any other costs and other relief, be entitled to the recovery of its reasonable attorneys' fees.

ARTICLE VIII

REPRESENTATION AND WARRANTIES OF THE PARTIES

SECTION 8.1 Representations and Warranties of Redlands.

Redlands hereby represents and warrants to and for the benefit of Mountainview as follows:

(a) Organization and Qualification. Redlands (i) is a governmental body, duly organized and validly existing under the laws of the State of California, with full right, power and authority under its charter documents and under the laws of the State of California to enter into this Agreement, to perform its obligations hereunder and to consummate the transactions contemplated hereby, and (ii) has the power to carry on its business as now being conducted and as proposed to be conducted.

(b) Authorization and Enforceability. Redlands has taken all necessary action to authorize the transactions contemplated by this Agreement, including without limitation the conduct of any public meetings, hearings or comment opportunities necessary or advisable under applicable law or its charter documents. This Agreement has been duly executed and delivered by Redlands and constitutes the legal, valid and binding obligation of Redlands enforceable in accordance with its terms, except as the enforceability thereof may be limited by (i) bankruptcy, insolvency, reorganization or other similar laws affecting the enforcement of creditors' rights generally and (ii) general equitable principles regardless of whether the issue of enforceability is considered in a proceeding in equity or at law.

(c) No Conflict. Neither the execution and delivery of this Agreement nor compliance with any of the terms and provisions hereof (i) contravenes any Governmental Approval applicable to Redlands or any of its respective properties or other assets, (ii) conflicts with, breaches or contravenes the provisions of the charter documents of Redlands or any contractual obligation of Redlands, or (iii) results in the creation or imposition of any lien upon any of the property or assets of Redlands under, or in a condition or event that constitutes (or that, upon notice or lapse of time or both, would constitute) an event of default under any contractual obligation of Redlands.

(d) Governmental Approvals. No Governmental Approval is required (other than those which have previously been obtained and are in full force and effect) to authorize, or is required in connection with the execution and delivery of this Agreement by Redlands.

SECTION 8.2 Representations and Warranties of Mountainview.

Mountainview hereby represents and warrants to and for the benefit of Redlands as follows:

(a) Organization and Qualification. Mountainview (i) is a limited liability company, duly organized and validly existing under the laws of the state of its formation, with full right, power and authority under its organizational documents and under the laws of the state of its formation to enter into this Agreement, to perform its obligations hereunder and to consummate the transactions contemplated hereby, and (ii) has the power to carry on its business as now being conducted and as proposed to be conducted.

(b) Authorization and Enforceability. Mountainview has taken all necessary action to authorize the transactions contemplated by this Agreement. This Agreement has been duly executed and delivered by Mountainview and constitutes the legal, valid and binding obligation of Mountainview enforceable in accordance with its terms, except as the enforceability thereof may be limited by (i) bankruptcy, insolvency, reorganization or other similar laws affecting the enforcement of creditors' rights generally and (ii) general equitable principles regardless of whether the issue of enforceability is considered in a proceeding in equity or at law.

(c) No Conflict. Neither the execution and delivery of this Agreement nor compliance with any of the terms and provisions hereof (i) contravenes any Governmental Approval applicable to Mountainview or any of its respective properties or other assets, (ii) conflicts with, breaches or contravenes the provisions of the organizational documents of

Mountainview or any contractual obligation of Mountainview, or (iii) results in the creation or imposition of any lien upon any of the property or assets of Mountainview under, or in a condition or event that constitutes (or that, upon notice or lapse of time or both, would constitute) an event of default under any contractual obligation of Mountainview.

(d) Governmental Approvals. No Governmental Approval is required (other than those which have previously been obtained and are in full force and effect) to authorize, or is required in connection with the execution and delivery of this Agreement by Mountainview.

IN WITNESS WHEREOF, the parties hereto have each caused this Agreement to be executed by their duly authorized officers and attested on the date first above written.

MOUNTAINVIEW POWER COMPANY, LLC

By: _____
Name: JOHN H. FOSTER
Title: SR. VP, INVESTMENTS & PORTFOLIO MANAGEMENT

CITY OF REDLANDS

ATTEST:

By: _____
Name: Lorrie Poyzer
Title: City Clerk

By: _____
Name: Karl N. (Kasey) Haws
Title: Mayor

EXHIBIT A

Minimum Standards

Item Description	Value	Units	Comments
BOD5	<5	mg/l	90% of time
	<10	mg/l	100% of time
TSS	<2	mg/l	90% of time
	<5	mg/l	100% of time
Total Coliform	<2.2 / 23		
NH3-N	<1	mg/l	90% of time
	<2	mg/l	100% of time
Total Inorganic N	<12	mg/l	
TDS	<500	mg/l	
pH	6.5 – 8.5	S.U.	
Chlorine Residual	0.5	mg/l	minimum
(Pipe Maintenance)	5.0	mg/l	spiking
COD	<35	mg/l	90% of time
	<45	mg/l	100% of time
PO4	<4	mg/l	90% of time
	<5	mg/l	100% of time
Silica	<25	mg/l	90% of time
	<30	mg/l	100% of time
Temperature	<90	degrees F	

May 8, 2023

City of Redlands

Fernando Mata, Wastewater Utility Manager

John Harris, Director of Municipal Utilities & Engineering

35 Cajon St. Suite 15A

Redlands, CA 92374

(909) 798-7698

Dear Mr. Mata and Mr. Harris,

Southern California Edison requests to extend by the term of the Reclaim Water Supply Agreement dated June 3, 2003 by and between Mountainview Power Company, LLC (subsequently acquired by SCE) and the City of Redlands. Per Section 6.1, the term is set to expire on June 3, 2023. SCE would like to exercise its right to, through its sole election, extend the agreement for one (1) year by providing this written notice to Redlands. The intent of this extension is to allow sufficient time for the City of Redlands and SCE to collaboratively develop a new Reclaim Water Supply agreement that will serve the parties, going forward.

Sincerely,

Ashley DiMola

Production Manager

Generation, Eastern Operations

T. 760-217-0261

2492 W San Bernardino Ave. Redlands, CA 92374

SOUTHERN CALIFORNIA EDISON®
Energy for What's Ahead™

May 2, 2024

City of Redlands
Fernando Mata, Wastewater Utility Manager
John Harris, Director of Municipal Utilities & Engineering
35 Cajon St. Suite 15A
Redlands, CA 92374
(909) 798-7698

Dear Mr. Mata and Mr. Harris,

The term of the Reclaim Water Supply Agreement, dated June 3, 2003 ("Agreement"), between Mountainview Power Company, LLC ("MPC"), and the City of Redlands ("Redlands"), expired on June 3, 2023. On May 9, 2023, the parties agreed to extend the term of the term of the Agreement until June 3, 2024.

MPC requests to further extend the term of the Agreement for an additional one (1) year, until June 3, 2025. The intent of this extension is to allow sufficient time for Redlands and MPC to collaboratively develop a new Reclaim Water Supply agreement that will serve the parties going forward. If this extension is acceptable, please have this letter countersigned on behalf of Redlands in the signature block below.

Please contact me with any questions or comments.

Sincerely,

Lyle J. Laven
Senior Manager
Generation, Eastern Operations
T. 909-283-2234
2492 W San Bernardino Ave. Redlands, CA 92374

AGREED AND ACCEPTED

City of Redlands

By: _____

Name: John R. Harris

Title: Municipal Utilities & Eng. Director

Date: May 07, 2024

RECYCLED WATER SUPPLY AGREEMENT

This Agreement for the supply of recycled water (**"Agreement"**) is made and entered into this 4th day of June 2025 (**"Effective Date"**), by and between the City of Redlands, a municipal corporation ("**City**"), and Southern California Edison (**"SCE"**), a public utility company. Both SCE and Redlands are hereinafter sometimes referred to as a **"Party"** and, collectively, as the **"Parties"**.

WHEREAS, SCE owns and operates a power generation facility (**"Mountainview Facility"**) which provides substantial benefits for the State of California and the Redlands area; and

WHEREAS, Redlands owns and operates a recycled water production facility (**"Redlands Facility"**) for the handling, treatment, production, and delivery of Recycled Water which meets and is anticipated to continue to meet all applicable governmental requirements; and

WHEREAS, Redlands and SCE entered into a Reclaimed Water Supply Agreement, effective as of June 3, 2003 (**"RWS Agreement"**) to supply Recycled Water produced by the Redlands Facility to the Mountainview Facility; and

WHEREAS, the RWS Agreement initial term expired on June 2, 2023 and one-year extensions were requested by SCE and approved by Redlands on May 8, 2023 and May 2, 2024; and

WHEREAS, a new Agreement is necessary for Redlands to continue providing Recycled Water and for SCE to continue receiving Recycled Water; and

WHEREAS, Redlands is willing to continue providing and SCE is willing to continue receiving, in each case pursuant to the terms of this Agreement, Recycled Water;

NOW THEREFORE, the Parties hereto, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, do hereby agree as follows:

ARTICLE 1 - DEFINITIONS

"Business Day" means any day other than a Saturday, a Sunday, or a Redlands recognized holiday.

"City" means the City of Redlands.

"Capital Improvements" means any new equipment or facilities, or replacement of existing equipment or facilities and related items necessary to ensure that the Redlands Facility is capable of delivering Recycled Water to the Delivery Point in the quantities specified in this Agreement.

"Delivery Point" means the point immediately south of the Mountainview Facility on San Bernardino Avenue where the Redlands Facility is physically connected to the Mountainview Facility by means of a twenty-four inch (24") City transmission line, equipped with an insertion meter on an automatic control valve, capable of delivering a minimum of 3,500 gallons per minute of Recycled Water to the Mountainview Facility.

"Excess Recycled Water" has the meaning specified in Section 2.8.

"Force Majeure" means an event beyond the reasonable control, and not attributable to the negligence or willful misconduct, of the Party affected, including but not limited to the following: flood, earthquake, storm, lightning, fire, explosion, war, riot, civil disturbance, strike, sabotage, or electrical outage, provided, however, that Force Majeure shall not include any equipment failure due to normal wear and tear or due to neglected maintenance or repair.

"Governmental Approval" means any law, rule, or regulation of any Governmental Authority and any authorization, consent, approval, license, franchise, lease, ruling, permit (including but not limited to any National Pollutant Discharge Elimination System (NPDES) permit), tariff, rate, certification, exemption, filing or registration by or with any Governmental Authority (including, without limitation, zoning variances, special exceptions and non-conforming uses) relating to the construction, ownership, operation, or maintenance of the Redlands Facility (including those relating to Recycled Water), as the case may be.

"Governmental Authority" means the California State Water Resources Control Board and any national, federal, state, provincial, departmental or municipal government or any political subdivision thereof, and any other entity exercising executive, legislative, judicial, regulatory or administrative functions of or pertaining to government, and any other governmental entity with authority over any aspect of construction, operation, or maintenance of the Redlands Facility, but excluding in each case the City.

"Minimum Standards" means the minimum acceptable quality of Recycled Water as defined by the California State Water Resources Control Board Title 22 standards described in Exhibit "A" attached hereto and incorporated herein.

"Mountainview Facility" has the meaning specified in the Recitals to this Agreement.

"Non-Conforming Notice" has the meaning specified in Section 3.3.

"Non-Conforming Recycled Water" means Recycled Water from the Redlands Facility which would otherwise be Recycled Water but for its failure to meet all requirements of applicable Governmental Approvals and the Minimum Standards.

"Parties" or **"Party"** has the meaning specified in the Recitals to this Agreement.

"Person" means any individual, corporation, partnership, limited liability company, joint venture, incorporated or unincorporated association, joint stock company, trust, or other unincorporated organization, governmental body, instrumentality or agency, or other entity of any kind.

"Recycled Water" means treated and reclaimed wastewater produced and provided from the Redlands Facility which meets all applicable Governmental Approvals and the requirements described in Exhibit "A" and is delivered to the Delivery Point.

"Redlands Facility" means the Recycled Water facility, conveyance pipeline, related pumphouse, and ancillary facilities owned and operated by Redlands located in Redlands, California which will provide Recycled Water to the Delivery Point in accordance with the terms of this Agreement.

"Shortfall Notice" has the meaning specified in Section 2.6.

ARTICLE 2 – RECYCLED WATER PRODUCTION & DELIVERY

2.1 City designates John R. Harris, Municipal Utilities and Engineering Department Director, as City's representative with respect to performance of the Services, and such person shall have the authority to transmit instructions, receive information, interpret and define City's policies and decisions with respect to performance of the Services.

2.2 City shall bear all costs and expenses in connection with the operation, maintenance, and implementation of Capital Improvements to the Redlands Facility.

2.3 If City or its agents cause damage to the property of SCE while constructing, installing, operating, maintaining or repairing the Redlands Facility, City shall restore or pay SCE to restore, within a reasonable time and at SCE's election, SCE's property as nearly as possible to its condition prior to such damage. If SCE causes damage to the Redlands Facility while constructing, installing, operating, maintaining, or repairing its facilities, SCE shall restore or pay City to restore, within a reasonable time and at City's election, the Redlands Facility as nearly as possible to its condition prior to such damage.

2.4 City shall operate and maintain the Redlands Facility in a good and workmanlike manner, consistent with prudent practices and shall continuously maintain the Redlands Facility in good operating condition and in compliance with all Governmental Approvals applicable to the Redlands Facility. Such operation and maintenance by City shall be accomplished in a manner so as to minimize to the maximum extent practicable any disruption or interruption in the services to be provided under this Agreement.

2.5 City shall install, own, and maintain metering equipment to measure the delivery of Recycled Water to the Delivery Point. The metering equipment shall transmit to SCE and City the daily amount of Recycled Water delivered to the Delivery Point in accordance with this Agreement. SCE shall provide City access to the metering equipment at all times for purposes of inspection, maintenance, repair, and calibration. City shall be responsible for all costs associated with the installation, maintenance, repair, and calibration of the metering equipment. City shall ensure that the metering equipment is calibrated and tested annually, or as otherwise required, to maintain accuracy. If a discrepancy is discovered during calibration, City shall promptly notify SCE and adjust billings as necessary. City shall provide SCE with access to meter data upon request. In the event SCE disagrees with the meter reading, SCE may dispute the meter reading in accordance with the Redlands Municipal Code procedures in effect at the time of the disputed meter reading.

2.6 City shall use its best efforts to make available to SCE, unless otherwise provided for in Section 2.7 a daily quantity of Recycled Water of not less than 2.9 million gallons per day from June 1 to October 30 each year, and SCE shall take or pay for a minimum of 1,500 acre-feet of Recycled Water annually. If City is unable on any day to make available such daily minimum quantity of Recycled Water, whether due to a shortage of Recycled Water, due to the presence of Non-Conforming Recycled Water or otherwise, City shall promptly (but in any event within twenty-four (24) hours of obtaining knowledge thereof) notify SCE orally (with prompt written confirmation thereof) or in writing of such inability to provide the minimum daily quantity of Recycled Water (**"Shortfall Notice"**). Each Shortfall Notice shall specify (i) that a shortfall in the delivery of Recycled Water has occurred or will occur, the amount of such shortfall, the reasons for such shortfall and the anticipated length of such shortfall, including in each

case all relevant dates and (ii) the steps City is taking to remedy the shortfall. City shall undertake to remedy such shortfall at its sole expense and as promptly as practicable.

2.7 All Recycled Water shall be provided at a minimum delivery pressure of 65 pounds per square inch (psi) measured at the Delivery Point. Actual acceptance of Recycled Water by SCE may be less than the maximum allowed, and actual usage will, at the sole discretion of SCE, vary according to the electric dispatch of the Mountainview Facility, weather conditions and electrical outages (forced or scheduled). SCE shall also have the right to stop deliveries of Recycled Water by providing written notice to City in the event that water stored in the on-site storage reservoir at the Mountainview Facility is above the fifty percent (50%) level. City shall act in such event to stop deliveries of Recycled Water within twenty-four (24) hours and without additional notice from SCE. Recycled Water delivery shall automatically resume within twenty-four (24) hours after SCE provides written notice to City that the Mountainview Facility on-site reservoir water level falls below fifty percent (50%), subject to systemwide demand constraints, which may temporarily reduce Recycled Water delivery volumes. Title and risk of loss of Recycled Water shall pass to SCE upon SCE's receipt of such Recycled Water at the Delivery Point. Until such time as title to Recycled Water passes to SCE, City shall bear risk of loss of Recycled Water and shall retain liability for any and all claims, costs, demands, damages, expenses, liabilities, and losses relating to Recycled Water or other discharges from the Redlands Facility.

2.8 If Recycled Water is available from the Redlands Facility in an amount in excess of 1,500 acre-feet per year (**"Excess Recycled Water"**), SCE may purchase Excess Recycled Water to the extent it can be utilized by SCE for any lawful purpose and any acceptances of Excess Recycled Water shall be in accordance with the terms of this Agreement. The foregoing provisions of Section 2.6 notwithstanding, SCE shall have the right at all times to utilize water from other sources, including without limitation from wells located or controlled by SCE or its affiliates.

2.9 SCE shall provide City with an estimate of Recycled Water needs every Friday no later than one (1) week prior to the following week's operation to assist City in developing delivery schedules for Recycled Water, and the Parties shall work together in good faith to coordinate the timing of delivery of Recycled Water in accordance with such notice and the other terms of this Agreement. Notwithstanding the annual minimum take or pay obligations outlined in Section 2.6, SCE shall be under no obligation to accept any or all of the anticipated Recycled Water if SCE's actual demand for such is less than the estimate provided to City. Subject to the requirements of applicable Governmental Approvals and prudent practice, City shall use its best efforts to coordinate any transmission of Recycled Water discharge to meet the Recycled Water demands of the Mountainview Facility.

2.10 Upon the event of a temporary interruption or curtailment in Recycled Water delivery attributable to a break or leak in the Pipeline or otherwise, City shall make necessary repairs to restore full service as quickly as possible. City shall make every effort to make

necessary repairs and to restore full service within twenty-four (24) hours from the commencement of the interruption or curtailment. City shall provide a Shortfall Notice in accordance with Section 2.6 upon the interruption or curtailment of Recycled Water.

2.11 SCE shall make available to City such rights of access to its property as may be reasonably necessary to allow City to meet its obligations under this Agreement in respect to the operation and maintenance of the Redlands Facility. Prior to City obtaining access to the property of SCE, City shall either self-insure and/or provide evidence reasonably acceptable to SCE that City has in place insurance coverage with reputable and credit worthy insurers sufficient to insure against any risks that may be encountered in connection with such access.

2.12 City shall provide Recycled Water that meets California State Water Control Board Title 22 standards, and the requirements of the June 7, 2016 State Water Resources Control Board Order WQ 2016-0068-DDW: "*Water Reclamation Requirements for Recycled Water Use"*, and shall meet and confer with SCE prior to implementing Redlands Facility infrastructure and/or operational changes that may reduce the quality of Recycled Water currently being delivered. For informational purposes only, the Recycled Water currently meets the following:

Chlorine Residual	0.5 mg/L	Minimum
COD	<35 mg/L	90% of Time
PO4-P	<4 mg/L	90% of Time

ARTICLE 3 – NON-CONFORMING RECYCLED WATER

3.1 City and SCE shall mutually and in good faith agree to designate the City's Environmental Laboratory Accreditation Program certified laboratory to be used for analyzing Recycled Water quality, at City's sole expense, in order to analyze the quality of Recycled Water prior to, and as a condition to, City's delivery of Recycled Water to SCE. The Parties may, from time to time, designate in writing a successor or replacement Environmental Laboratory Accreditation Program certified laboratory to conduct any analysis of Recycled Water under this Agreement.

3.2 Either Party may, from time to time, take representative samples of Recycled Water from a mutually agreed upon location for the purpose of analyzing the Recycled Water delivered or to be delivered under this Agreement. The mutually agreed upon location shall be the Recycled Water effluent sampling station at the Redlands Facility, unless another sampling location is mutually agreed to in writing. Any such sampling shall comply with Environmental Protection Agency sampling and sample preservation procedures. If at any time during the term of this Agreement the Recycled Water is reasonably suspected by City or SCE to be Non-Conforming Recycled Water or any sample conducted pursuant to this Section 3.2 indicates that Non-Conforming Recycled Water has been or is to be delivered, a confirmation sample shall be collected and

analyzed as soon as practical, at City's sole expense, at the laboratory chosen pursuant to Section 3.1. In the event that such confirmation sample is determined to be Non-Conforming Recycled Water, (i) City shall immediately stop delivery of Recycled Water and shall, at its sole expense, take reasonable corrective actions needed to conform the Recycled Water to the Minimum Standards and Governmental Approvals and provide additional samples confirming that the Recycled Water meets the Minimum Standards and Governmental Approvals and (ii) SCE shall be temporarily relieved of its obligations to take Recycled Water under Section 2.6 and the annual minimum take or pay obligations under this Agreement shall be reduced on a pro rata basis.

3.3 If City becomes aware that it has provided or will provide Non-Conforming Recycled Water, City shall promptly (but in any event within twenty-four (24) hours of obtaining knowledge thereof) notify SCE orally (with prompt written confirmation thereof) or in writing (**"Non-Conforming Notice"**). Each Non-Conforming Notice shall specify (i) the cause of such Recycled Water being Non-Conforming Recycled Water and (ii) the steps City is taking to remedy the situation. If the Non-Conforming Recycled Water is anticipated to cause a shortfall in Recycled Water delivery, City can include both a Shortfall Notice and Non-Conforming Notice in one oral communication and written confirmation to SCE.

In the event that a Non-Conforming Notice is provided for Non-Conforming Water that has already been delivered and accepted by SCE, SCE shall promptly (but in any event within twenty-four (24) hours of obtaining knowledge thereof) provide a written acknowledgment of the Non-Conforming Water to the City which specifies that it has either retroactively "rejected" or "accepted" the Non-Conforming Water.

3.4 SCE shall have the right to reject all Non-Conforming Recycled Water. City shall have the responsibility, at its own cost and expense, to accept and treat or re-treat any Non-Conforming Recycled Water rejected by SCE; however, nothing in this provision shall obligate the City to make any upgrades or modifications to its existing Redlands Facility or Recycled Water system. City shall have the responsibility, at its own cost and expense, to transport any Non-Conforming Recycled Water SCE rejects back to the Redlands Facility or to the nearest available and practicable point of entry into the City's wastewater collection system or such other disposal method elected by City.

3.5 Any Non-Conforming Recycled Water accepted by SCE shall not be subject to the rates in Sections 5.1 and 5.2 below or any other payment obligations under this Agreement, nor shall City be entitled to any other form of compensation in respect of such Non-Conforming Recycled Water.

3.6 City acknowledges and agrees that it shall be solely responsible to pay for, or reimburse SCE to the extent SCE has paid for, all claims, costs, demands, damages, expenses, increased operation and maintenance expenses or costs (including those relating to the Mountainview Facility), liabilities and repairs or replacement of equipment (including repairs or replacement of equipment of the Mountainview Facility) arising, directly , from

the delivery of any Non-Conforming Recycled Water under this Agreement unless the delivery of such Non-Conforming Recycled Water was notified by City and accepted by SCE pursuant to Section 3.3.

SCE shall provide City with documented evidence demonstrating that any incurred expenses are directly attributable to the Non-Conforming Recycled Water. Such evidence must include, but is not limited to, invoices, receipts, reports, or other documentation that specifically identifies the nature of the expenses and links them to the Non-Conforming Recycled Water. City reserves the right to request additional supporting documentation as reasonably necessary to verify the claim.

Upon providing sufficient evidence to City, City shall reimburse SCE within thirty (30) days, unless a different timeframe is mutually agreed upon by the Parties in writing.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 City shall perform and complete the Services in a prompt and diligent manner. The Services shall commence as of the Effective Date of this Agreement.

4.2 The term of this Agreement shall be for a period of twenty (20) years from the Effective Date of this Agreement ("Initial Term"). Either Party shall have the option to extend the Initial Term of this Agreement by one (1) additional five-year term ("Extended Term"), on the same terms and conditions, by providing written notice to the other Party at least six (6) months prior to the expiration of the Initial Term. The Initial Term and the Extended Term are hereby collectively referred to herein as the "Term" of this Agreement.

ARTICLE 5 – PAYMENTS TO CITY

5.1 Subject to Section 5.3 below, SCE shall pay City for all Recycled Water delivered to the Delivery Point during the prior billing period. The base rate for Recycled Water (**"Base Rate"**) shall be Zero Dollars and Sixty Cents ($0.60) per hundred cubic feet, or Two Hundred Sixty-One Dollars and Thirty-Six Cents ($261.36) per acre-foot.

5.2 The rate specified in Section 5.1 above is stated as of the Agreement Effective Date (**"Effective Date"**). During the Term of this Agreement, the Base Rate shall be escalated by 3.75% on July 1 of each year to establish a revised Base Rate for the upcoming year.

5.3 City shall submit invoices to SCE in accordance with City billing frequencies accounting for Recycled Water deliveries and associated charges during the previous billing period. SCE shall submit payment to City no later than twenty-five (25) days after receipt of City's invoice.

5.4 Notwithstanding Section 5.1 above, but subject to Section 2.6, SCE shall take or pay for a minimum of One Thousand Five Hundred (1,500) acre-feet of Recycled Water per year at the Base Rate, if the Recycled Water is deliverable by City to the Delivery Point. Such annual take or pay requirements shall be measured from the anniversary of the Effective Date.

5.5 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY	Southern California Edison
John R. Harris	Lyle Laven
Municipal Utilities & Engineering Director	Senior Manager
City of Redlands	Southern California Edison
35 Cajon Street, Suite 15A	2492 W. San Bernardino
P.O. Box 3005 (mailing)	Redlands, CA, 92374
Redlands, CA 92373	Lyle.Laven@sce.com
jharris@cityofredlands.org	909-283-2234
(909) 798-7531	

ARTICLE 6 - ADDITIONAL OBLIGATIONS OF THE PARTIES

6.1 Promptly upon obtaining knowledge thereof (but in any event within 24 hours of obtaining knowledge thereof), City shall provide SCE with oral (with prompt written confirmation thereof) or written notice of any violation of applicable Governmental Approvals relating to the Redlands Facility.

6.2 Promptly after submission thereof to the applicable Governmental Authority, City shall provide SCE with a copy of any report, filing, notice, request for variance, or similar document filed with or submitted to a Governmental Authority that relates to the Redlands Facility and that may affect the delivery of Recycled Water in accordance with this Agreement.

6.3 In accordance with City's utility billing frequencies, City shall provide to SCE a written invoice specifying in reasonable detail the amount claimed by City from SCE for recycled water usage during the previous billing cycle in accordance with this Agreement, including amounts under Sections 2.6. Undisputed amounts set forth in any invoice shall be due and payable by SCE not later than twenty-five (25) days following receipt of such invoice.

6.4 City shall, upon written or oral request therefor, provide SCE and each of its agents, consultants, advisors and representatives with escorted access within one (1) week of receiving such request. Such access shall be during normal business hours to the Redlands Facility. City shall, upon prior written or oral request therefor, provide SCE and each of its agents, consultants, advisors, and representatives with access during normal

business hours to view City's books and records relating directly to this Agreement and the performance of City's obligations hereunder (including books and records relating to Governmental Approvals and compliance therewith) as may be reasonably necessary in connection with the construction, operation and maintenance of the Redlands Facility.

Confidential and privileged materials are not subject to any of the provisions in Section 6.4.

6.5 Upon the reasonable request of SCE, City shall, at the cost and expense of SCE, execute such additional certificates, documents, instruments, agreements and take such actions as may be reasonably required to give effect to the terms and conditions of this Agreement.

6.6 Not later than the fifteenth day of each month following the commencement of delivery of Recycled Water or at such other time as required in accordance with this Agreement, SCE shall provide to City a written invoice specifying in reasonable detail (including the method of calculations of any amounts invoiced) the amount claimed by SCE from City in accordance with this Agreement. Undisputed amounts set forth in any invoice shall be due and payable by City not later than thirty (30) days following receipt of such invoice.

6.7 Upon the reasonable request of City, SCE shall, at its cost and expense, execute such additional certificates, documents, instruments, agreements and take such actions as may be reasonably required to give effect to the terms and conditions of this Agreement.

ARTICLE 7 - FORCE MAJEURE

7.1 If either Party shall be unable to carry out any obligation under this Agreement due to Force Majeure, this Agreement shall remain in effect, but such obligation shall be suspended for the period necessary as a result of the Force Majeure, provided that:

(a) The non-performing Party gives the other Party written notice not later than seventy-two (72) hours after the occurrence of the Force Majeure describing the particulars of the Force Majeure, including but not limited to the nature of the occurrence and the expected duration of the disability, and continues to furnish timely regular reports with respect thereto during the period of Force Majeure and the disability; and
(b) The suspension of performance is of no greater scope and of no longer duration than is required by the Force Majeure; and
(c) The non-performing Party uses its best efforts to remedy its inability to perform.

7.2 Notwithstanding the foregoing, the settlement of strikes, lockouts, and other labor disputes shall be entirely within the discretion of the affected Party, and such Party shall not be required to settle any strike, lockout, or other labor dispute on terms which it deems inadvisable.

ARTICLE 8 - TERM

8.1 This Agreement shall take effect upon execution of the appropriate counterpart by each Party and, except as provided in Section 8.2 below, shall remain in effect for a period of twenty (20) years (**"Term"**). SCE may elect, in its sole election, to extend this Agreement for one (1) successive five (5) year term by providing written notice to that effect to Redlands not later than six (6) months prior to the expiration of the then effective Term. All references in this Agreement to the word "Term" shall mean the initial twenty (20) year Term as extended by SCE and during the Term of this Agreement (as it may be extended) all the provisions of this Agreement shall remain in full force and effect.

8.2 This Agreement may be terminated by either Party by providing not less than sixty (60) days prior written notice to the other Party of its intent to terminate unless both Parties agree in writing to terminate the Agreement sooner. Within twenty-five (25) days after receipt of a termination notice, the Parties shall meet to discuss opportunities to avoid terminating the Agreement.

Upon termination of the Agreement, all rights and responsibilities under the Agreement shall cease and any unpaid amounts must be paid within thirty (30) days after termination.

ARTICLE 9 - MISCELLANEOUS

9.1 This Agreement represents the entire Agreement of the Parties hereto as to the matters contained herein, and supersedes any and all other agreements, either verbal or in writing, between the Parties with respect to the matters contained herein. No amendment or waiver of any provision of this Agreement shall be effective unless in writing and signed or consented to by the Parties and then such waiver shall be effective only in the specific instance and for the specific purpose for which given.

9.2 Neither Party may assign this Agreement without the prior written consent of the other Party, which consent shall not be unreasonably withheld.

9.3 All notices and other communications provided for hereunder shall be in writing (including by telecopier) and shall be mailed, telecopied or delivered, if to SCE, to it at 2492 W San Bernardino Avenue, Redlands, CA 92374, Attention: Production Manager and a copy to General Counsel, 15 Wayside Road, Burlington, MA 01803, (Fax: 781-993-3122); if to City, to it at 35 Cajon Street, Suite 15A, Redlands, CA 92373, Attention: Municipal Utilities and Engineering Director, as to each Party, to it at such other address or telecopier number as designated by such Party in a written notice to the other Party. All such notices and communications shall be deemed received, (a) if personally delivered, up on delivery, (b) if sent by first class mail, on the third business day following deposit into the mail and (c) if sent by telecopier, upon acknowledgement of receipt thereof by the recipient.

9.4 Any provision of this Agreement that is prohibited, unenforceable or not authorized in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition, unenforceability or non-authorization without invalidating the remaining provisions of this Agreement or affecting the validity, enforceability or authorization of such provision in any other jurisdiction.

9.5 This Agreement shall be binding upon and inure to the benefit of the Parties and their respective successors and permitted assigns.

9.6 This Agreement shall be governed by, and construed in accordance with, the laws of the State of California without reference to the conflict of law principles thereof.

9.7 The section and subsection headings used herein have been inserted for convenience of reference only and do not constitute matters to be considered in interpreting this Agreement.

9.8 This Agreement may be executed in any number of counterparts and by different Parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

9.9 SCE shall defend, indemnify and hold harmless City and its elected officials, officers and employees from and against any and all claims, causes of action, damages or liability arising out of, or resulting from, the negligent acts or omissions of SCE in the execution and delivery of this Agreement or performance of its obligations, or SCE's use of Recycled Water pursuant to this Agreement.

9.10 City shall defend, indemnify and hold harmless SCE and the Financing Parties and their respective officials, officers and employees, from and against any and all claims, causes of action, damages or liability arising out of, or resulting from, the negligent acts or omissions of City in the execution and delivery of this Agreement or performance of its obligations under this Agreement.

9.11 City shall have the right to take offset and/or credit for any "salts" discharged into the Santa Ana Regional Interceptor line associated with Recycled Water delivered to the Delivery Point.

9.12 In the event any action is commenced to enforce or interpret the terms or conditions of this Agreement the prevailing Party shall, in addition to any other costs and other relief, be entitled to the recovery of its reasonable attorneys' fees.

9.13 The Parties agree and consent to the exclusive jurisdiction of the courts of the State of California for all purposes regarding this Agreement and further agrees and consents that venue of any action brought hereunder shall be exclusively in the state courts in County of San Bernardino and federal courts in Riverside County.

ARTICLE 10 - REPRESENTATION AND WARRANTIES OF THE PARTIES

10.1 City hereby represents and warrants to and for the benefit of SCE as follows:

(a) Organization and Qualification. City (i) is a governmental body and general law city, duly organized and validly existing under the laws of the State of California, with full right, power and authority under its charter documents and under the laws of the State of California to enter into this Agreement, to perform its obligations hereunder and to consummate the transactions contemplated hereby, and (ii) has the power to carry on its business as now being conducted and as proposed to be conducted.

(b) Authorization and Enforceability. City has taken all necessary action to authorize the transactions contemplated by this Agreement, including without limitation the conduct of any public meetings, hearings or comment opportunities necessary or advisable under applicable law. This Agreement has been duly executed and delivered by City and constitutes the legal, valid and binding obligation of Redlands enforceable in accordance with its terms, except as the enforceability thereof may be limited by (i) bankruptcy, insolvency, reorganization or other similar laws affecting the enforcement of creditors' rights generally and (ii) general equitable principles regardless of whether the issue of enforceability is considered in a proceeding in equity or at law.

(c) No Conflict. Neither the execution and delivery of this Agreement nor compliance with any of the terms and provisions hereof (i) contravenes any Governmental Approval applicable to City , , or (ii) results in the creation or imposition of any lien upon any of the property or assets of City.

(d) Governmental Approvals. No Governmental Approval is required (other than those which have previously been obtained and are in full force and effect) to authorize or is required in connection with the execution and delivery of this Agreement by Redlands.

10.2 SCE hereby represents and warrants to and for the benefit of City as follows:

(a) Organization and Qualification. SCE (i) is a limited liability company, duly organized and validly existing under the laws of the state of its formation, with full right, power and authority under its organizational documents and under the laws of the state of its formation to enter into this Agreement, to perform its obligations hereunder and to consummate the transactions contemplated hereby, and (ii) has the power to carry on its business as now being conducted and as proposed to be conducted.

(b) Authorization and Enforceability. SCE has taken all necessary action to authorize the transactions contemplated by this Agreement. This Agreement has been duly executed and delivered by SCE and constitutes the legal, valid and binding obligation of SCE enforceable in accordance with its terms, except as the enforceability thereof may be limited by (i) bankruptcy, insolvency, reorganization or other similar laws affecting the enforcement of creditors' rights generally and (ii) general equitable principles regardless of whether the issue of enforceability is considered in a proceeding in equity or at law.

(c) No Conflict. Neither the execution and delivery of this Agreement nor compliance with any of the terms and provisions hereof (i) contravenes any Governmental Approval

applicable to SCE or any of its respective properties or other assets, (ii) conflicts with, breaches or contravenes the provisions of the organizational documents of SCE or any contractual obligation of SCE, or (iii) results in the creation or imposition of any lien upon any of the property or assets of SCE under, or in a condition or event that constitutes (or that, upon notice or lapse of time or both, would constitute) an event of default under any contractual obligation of SCE.

(d) Governmental Approvals. No Governmental Approval is required (other than those which have previously been obtained and are in full force and effect) to authorize or is required in connection with the execution and delivery of this Agreement by SCE.

IN WITNESS WHEREOF, the Parties hereto have each caused this Agreement to be executed by their duly authorized officers and attested on the date first above written.

SOUTHERN CALIFORNIA EDISON

_____

Lyle Laven, Senior Manager

CITY OF REDLANDS

_____

Mario Saucedo, City of Redlands Mayor

EXHIBIT A

MINIMUM STANDARDS

California Water Resources Control Board Title 22 Standards: Water Reclamation Requirements for Recycled Water Use

Parameter	Requirement
Tertiary Recycled Water	Tertiary recycled water shall, at all times, be adequately oxidized, filtered, and disinfected tertiary treated wastewater and shall meet the following limitations:
Turbidity of Filter Effluent	The turbidity of the filter effluent shall not exceed any of the following:
	(1) 0.2 Nephelometric Turbidity Unit (NTU) more than 5 percent of the time within any 24-hour period.
	(2) 0.5 NTU at any time.
Bacteriological Limits	The 7-day median number of total coliform shall not exceed a Most Probable Number (MPN) of 2.2 total coliform bacteria per 100 milliliters (ml).
	The number of total coliform organisms shall not exceed an MPN of 23 total coliform bacteria per 100 ml in more than one sample in any 30-day period.
	No total coliform sample shall exceed an MPN of 240 total coliform bacteria per 100 ml.

AGREEMENT YEAR	RW RATE ($/ccf)	RW RATE ($/AF)	COST FOR 1500 AFY
1	$ 0.60	$ 261.36	$ 392,040.00
2	$ 0.62	$ 271.16	$ 406,741.50
3	$ 0.65	$ 281.33	$ 421,994.31
4	$ 0.67	$ 291.88	$ 437,819.09
5	$ 0.70	$ 302.82	$ 454,237.31
6	$ 0.72	$ 314.18	$ 471,271.21
7	$ 0.75	$ 325.96	$ 488,943.88
8	$ 0.78	$ 338.19	$ 507,279.27
9	$ 0.81	$ 350.87	$ 526,302.25
10	$ 0.84	$ 364.03	$ 546,038.58
11	$ 0.87	$ 377.68	$ 566,515.03
12	$ 0.90	$ 391.84	$ 587,759.34
13	$ 0.93	$ 406.53	$ 609,800.32
14	$ 0.97	$ 421.78	$ 632,667.83
15	$ 1.00	$ 437.60	$ 656,392.87
16	$ 1.04	$ 454.01	$ 681,007.60
17	$ 1.08	$ 471.03	$ 706,545.39
18	$ 1.12	$ 488.69	$ 733,040.84
19	$ 1.16	$ 507.02	$ 760,529.87
20	$ 1.21	$ 526.03	$ 789,049.74

City Council/Financing Authority Meeting **K. 3.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of FY 25/26 MUED Annual Purchase Orders for a Total Amount Not-to-Exceed $4,852,000 (Municipal Utilities and Engineering Director Harris)

MOTION(S):

If City Council determines the staff recommendation is appropriate, the following motions are provided:

1. I move that the City Council determine approval of the FY 25/26 MUED Annual Purchase Orders is exempt from environmental review pursuant to Section 15301 of the State's Guidelines implementing the California Environmental Quality Act.
2. I further move to approve the FY 25/26 MUED Annual Purchase Orders for an amount not-to-exceed $4,852,000.

RECOMMENDATION:

Staff recommends that the City Council determine that approval of the FY 25/26 MUED Annual Purchase Orders is exempt from environmental review pursuant to Section 15301 of the State's Guidelines implementing the California Environmental Quality Act, and approve the FY 25/26 MUED Annual Purchase Orders for an amount not-to-exceed $4,852,000.

DISCUSSION:

The Municipal Utilities and Engineering Department (MUED) operates and maintains critical water and wastewater utility infrastructure and facilities throughout the City's service area. This includes eighteen (18) water reservoirs, forty-five (45) potable and non-potable groundwater wells, thirty-eight (38) booster pumps, two (2) surface water treatment plants, one (1) wastewater treatment plant, one (1) sewer lift station, percolation ponds, and hundreds of miles of pipelines. The use of annual purchase orders is fundamental to support

MUED’s operational resilience, sustainability, and regulatory compliance.

These vendors will provide miscellaneous repair and maintenance supplies, chemical and laboratory products, specialized departmental materials, and on-call maintenance and contractual services on an as-needed basis. In accordance with Section 2.6 of the Redlands Municipal Code (purchasing policies and procedures), MUED recommends that the City Council determine that approval of these FY 25/26 MUED annual purchase orders is in the best interest of the City. These purchase orders pertain to vendors identified as sole source providers, vendors selected through competitive bidding, and vendors participating in cooperative purchasing agreements available through OMNIA Partners.

Participating vendors under the OMNIA Partners cooperative purchasing program include Cintas, Grainger, and Herc Rentals, which offer competitive pricing through negotiated discounts. Cintas provides a 20% discount, Grainger offers an average discount of 17%, and Herc Rentals provides a 10% discount, allowing the City to obtain essential goods and services at reduced costs. The total not-to-exceed amount for all recommended purchase orders is $4,852,000.

Vendor	Water Production (NTE)	Wastewater (NTE)	Total NTE	Procurement Method
ABBA Pump Parts	-	$60,000	$60,000	Sole Source
Airgas USA, LLC	$24,000	$17,500	$41,500	Sole Source
Brax Company, Inc.	-	$65,000	$65,000	Sole Source
OneSource Distributors (Electrical Components & Materials)	$45,000	-	$45,000	Competitive Bid
Cintas Corporation	$42,500	$38,000	$80,500	OMNIA Partners (Cooperative)
Core & Main (McCrometer Meters & Supplies)	$50,000	-	$50,000	Competitive Bid
Core & Main (W/WWTP Supplies)	$145,000	$10,000	$155,000	Competitive Bid
CS-amsco	-	$35,000	$35,000	Sole Source
D&H Water Systems	$175,000	$35,000	$210,000	Sole Source

DC Frost Accociates, Inc.	-	$85,000	$85,000	Sole Source
Duke's Root Control, Inc.	-	$60,000	$60,000	Sole Source
Mesa Energy Systems, Inc.	-	$65,000	$65,000	Sole Source
Ferguson	$480,000	-	$480,000	Sole Source
Golden Bell Products, Inc.	-	$65,000	$65,000	Sole Source
Grainger	$87,000	$24,000	$111,000	OMNIA Partners (Cooperative)
Hach Company	-	$125,000	$125,000	Sole Source
Herc Rentals	$50,000	$40,000	$90,000	OMNIA Partners (Cooperative)
IDEXX Distribution, Inc.	$30,000	$5,000	$35,000	Sole Source
JCI Jones Chemicals, Inc. (W&WWTP Chemicals: Sodium Hypo 12.5%-bulk)	$100,000	$450,000	$550,000	Competitive Bid
MCCall Meters (Meter Accuracy Testing)	$40,000	$5,000	$45,000	Competitive Bid
Pacific Parts & Controls (Industrial Automation & Controls)	$45,000	$40,000	$85,000	Competitive Bid
Univar Solutions USA, LLC (W&WWTP Chemicals: Sodium Hypo 12.5%-mini,Sodium Hydroxide 50%, Citric Acid 50%)	$150,000	$75,000	$225,000	Competitive Bid
Kemira Water Solutions (W&WWTP Chemicals: Ferric Chloride)	-	$180,000	$180,000	Competitive Bid

Plumbers Depot, Inc.	$50,000	$85,000	$135,000	Sole Source
Polydyne, Inc.	-	$200,000	$200,000	Sole Source
R&B Automation	$75,000	-	$75,000	Sole Source
Rockwell Engineering & Equipment Company	-	$45,000	$45,000	Sole Source
Solenis LLC (W&WWTP Chemicals: Polymer, Flocculant)	$65,000	-	$65,000	Competitive Bid
Sulzer Electro-Mechanical Services (US), Inc.	$135,000	$50,000	$185,000	Sole Source
Thatcher Company of Nevada, Inc. (W&WWTP Chemicals: Chlorine Gas)	$125,000	-	$125,000	Competitive Bid
Thermo Electron	$26,000	$13,000	$39,000	Sole Source
Unison Solutions, Inc.	-	$140,000	$140,000	Sole Source
Vaughan's Industrial Repair	-	$45,000	$45,000	Sole Source
Veolia WTS	$35,000	-	$35,000	Sole Source
West Coast Sand & Gravel (Water Distribution Sand & Base Aggregate)	$145,000	-	$145,000	Competitive Bid
Western Water Works (Water Distribution Parts & Materials)	$570,000	$20,000	$590,000	Competitive Bid
Western Water Works (CLA-VAL Products & Materials)	85,000	-	$85,000	Competitive Bid

Approval of these annual purchase orders is exempt from environmental review pursuant to Section 15301 of the State's guidelines implementing the California Environmental Quality Act as the proposed action does not have the potential to cause any significant environmental impact.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director
Dana Abramovitz-Daniel, Procurement Manager

PREPARED BY:
Fernando Mata, Wastewater Utility Manager

Fiscal Impact

Fiscal Year:	FY 25/26
Revenue Generating:	No
Appropriation Required Y/N:	No
Amount:	$2,077,500
Budgeted Y/N:	Yes
Account No.:	521900

Discussion:

Sufficient funding for these purchases is included in the FY 25/26 Wastewater Service Fund (521900).

Fiscal Year:	FY 2025-26
Revenue Generating:	No
Appropriation Required Y/N:	No

Amount:	$2,774,500
Budgeted Y/N:	Yes
Account No.:	501900

Discussion:

Sufficient funding for these purchases is included in the FY 25/26 Water Service Fund (501900).

Attachments

Summary of Annual POs- MUED
McCrometer Meter & Supplies
Water & Wastewater Treatment Plant Supplies
Electrical Components & Materials
Water & Wastewater Treatment Plant Chemicals
Water Distribution Sand & Base Aggregate
Water Distribution Parts & Materials
CLA-VAL Products & Materials
Electrical Components & Materials
Meter Accuracy Testing
Industrial Automation & Controls
Bid Price & Fee Sheet, McCrometer Meter & Supplies
Bid Price & Fee Sheet, Water & Wastewater Treatment Plant Supplies
Bid Price & Fee Sheet, Electrical Components & Materials
Bid Price & Fee Sheet, Water & Wastewater Treatment Plant Chemicals
Bid Price & Fee Sheet, Water Distribution Sand & Base Aggregate
Bid Price & Fee Sheet, Water Distribution Parts & Materials
Bid Price & Fee Sheet, CLA-VAL Products & Materials
Bid Price & Fee Sheet, Electrical Components & Materials
Bid Price & Fee Sheet, Meter Accuracy Testing
Bid Price & Fee Sheet, Industrial Automation & Controls
SS ABBA Pump Parts
SS ABBA Pump Parts
SS Airgas USA, LLC
SS Brax Company, Inc.
SS CS-amsco
SS D&H Water Systems
SS DC Frost Associates, Inc.
SS Duke's Root Control, Inc.
SS Mesa Energy Systems, Inc.
SS Ferguson

SS Golden Bell Products, Inc.
SS IDEXX Distribution Inc.
SS Plumbers Depot, Inc.
SS Polydyne, Inc.
SS R&B Automation
SS Rockwell Engineering & Equipment Company
SS Sulzer Electro-Mechanical Services (US)
SS Thermo Electron
SS Unison Solutions, Inc.
SS Vaughan's Industrial Repair
SS Veolia WTS
OMNIA Partners, Cintas Corporation
OMNIA Partners, Grainger
OMNIA Partners, Herc Rentals

Summary of Annual Purchase Order Requests
(Including extensions, sole/single source, and service agreements)

Staff is requesting approval for annual purchase orders for the low responsive and responsible bidders (highlighted in yellow) for the following commodities and services, which were publicly advertised on March 12, 2025, and received and opened by the City Clerk on March 26, 2025, at 10:00 a.m., for the amounts described below.

Competitive Bids:

Electrical Components & Materials	
Vendor	Total Sum Bid
OneSource Distributors	$46,922.78
Pacific Parts & Controls	$48,905.01
Consolidated Electrical Distributors	$71,166.00
Purchase Order Request	$45,000.00

McCrometer Meter & Supplies	
Vendor	Total Sum Bid
Core & Main	$44,588.30
Orange County WinWater Works	$49,100.47
Pacific Parts & Controls	$50,460.84
D & H Water Systems Inc	$56,606.73
Purchase Order Request	$50,000.00

Water & Wastewater Treatment Plant Supplies	
Vendor	Total Sum Bid
Orange County WinWater Works	$6,530.00
Hach Company	$87,771.17
Core & Main	$181,324.77
Purchase Order Request	$155,000.00
The two lowest bidders did not submit pricing for all required items and are deemed non-responsive. The contract is therefore awarded to Core & Main as the lowest responsive and responsible	

Meter Accuracy Testing	
Vendor	Total Sum Bid
McCall's Meters, Inc	$17,600.00
Purchase Order Request	$45,000.00

Industrial Automation & Controls	
Vendor	Total Sum Bid
Pacific Parts & Controls	$174,934.00
I.T.S. Group, Inc	$360,312.38
Purchase Order Request	$85,000.00

Water Distribution Sand & Base Aggregate	
Vendor	Total Sum Bid
All American Asphalt	$132,995.00
Manhole Adjusting Inc	$72,850.00
West Coast Sand & Gravel	$116,050.00
Purchase Order Request	$145,000.00
The lowest bidder did not submit pricing for all required items and is deemed non-responsive. The contract is therefore awarded to Core & Main as the lowest responsive and responsible bidder.	

Water Distribution Parts & Materials	
Vendor	Total Sum Bid
Western Water Works	$631,031.56
Orange County WinWater Works	$653,009.64
Ferguson Waterworks	$660,331.59
C. Wells Pipeline	$650,379.60
Purchase Order Request	$590,000.00

CLA-VAL Products & Materials	
Vendor	Total Sum Bid
Western Water Works	$92,962.60
Orange County WinWater Works	$93,043.86
C. Wells Pipeline	$94,981.00
Ferguson Waterworks	$95,432.00
Purchase Order Request	$85,000.00

Water & Wastewater Treatment Plant Chemicals		
Sodium Hypochlorite 12.5% (Mini Bulk-Water)		
Vendor	Unit Price	Annual Cost
HASA Inc	$3.99	$143,640.00
Univar Solutions	$3.36	$120,960.00
Purchase Order Request	$125,000.00	
Chlorine Gas (Water)		
Vendor	Unit Price	Annual Cost
JCI Jones Chemicals Inc.	$1.43	$228,000.00
Thatcher CO of Nevada Inc	$1.36	$218,000.00
Purchase Order Request	$125,000.00	
Sodium Hypochlorite 12.5% (Bulk-Water)		
Vendor	Unit Price	Annual Cost
HASA Inc	$2.30	$124,200.00
JCI Jones Chemicals Inc.	$1.74	$93,960.00
Olin Corp	$2.22	$119,826.00
Univar Solutions	$2.49	$134,460.00
Purchase Order Request	$100,000.00	
Sodium Hypochlorite 12.5%, (Bulk-Wastewater)		
Vendor	Unit Price	Annual Cost
HASA Inc	$2.30	$460,000.00
JCI Jones Chemicals Inc.	$1.74	$348,000.00
Olin Corp	$2.22	$443,800.00
Univar Solutions	$2.49	$498,000.00
Purchase Order Request	$450,000.00	
Sodium Hydroxide 50% (Water)		
Vendor	Unit Price	Annual Cost
Univar Solutions	$2.63	$10,520.00
Purchase Order Request	$25,000.00	
Polymer & Flocculants (Water)		
Vendor	Unit Price	Annual Cost
Nalco Water (Praestol 186KH polymer, or City-approved equal)	$1.03	$12,360.00
SNF Polydyne Inc (Praestol 186KH polymer, or City-approved equal)	$7.31	$87,720.00

Solenis LLC (Praestol 186KH polymer, or City-approved equal)	$9.54	$114,480.00
SNF Polydyne Inc (Praestol A 3040 LTR flocculant, or City-approved equal)	$11.35	$22,476.96
Solenis LLC (Praestol A 3040 LTR flocculant, or City-approved equal)	$14.45	$28,611.00
SNF Polydyne Inc (Praestol A 3010 LTR flocculant, or City-approved equal)	$11.09	$79,876.80
Solenis LLC (Praestol A 3010 LTR flocculant, or City-approved equal)	$12.65	$91,080.00
Purchase Order Request	$65,000.00	

As indicated in the bid document, the City reserves the right to accept only those products that meet its operational and performance standards, including City-approved equals. MUED has selected Solenis as the lowest responsive and responsible bidder for polymer and flocculant.
SNF Polydyne and Nalco Water did not meet the bid specifications and requirements outlined in the RFB. Specifically, the bid required vendors whose products are not currently in use by the City to provide one-liter samples for testing and to coordinate a testing appointment with the Plant Supervisor by April 1, 2025. The City also reserves the right to reject any substituted product that does not fulfill operational, performance, or reliability standards.
The requested purchase order will be issued to Solenis on an as-needed basis for both polymers and flocculants used by the Water Production Division.

Citric Acid 50% (Wastewater)

Vendor	Unit Price	Annual Cost
Univar Solutions	$7.47	$485,550.00
Purchase Order Request	$75,000.00	

Ferric Chloride Solution 39-42% (Wastewater)

Vendor	Unit Price	Annual Cost
California Water Technologies LLC	$3.14	$2,355,000.00
Kemira Water Solutions	$2.95	$221,250.00
Pennco Inc	$2.97	$222,750.00
Purchase Order Request	$180,000.00	

Single Sole Source

Vendor	Water Production (NTE)	Wastewater (NTE)	Total NTE
ABBA Pumps Parts		$ 60,000.00	$ 60,000.00
Airgas USA, LLC	$ 24,000.00	$ 17,500.00	$ 41,500.00
Staff is requesting that a purchase order be issued to Airgas USA, LLC for the continued supply of high purity compressed gases, cylinder rentals, and related items required to support laboratory operations. The City's laboratory certification depends on the consistent use of ultra-pure gases. While the initial procurement did not require sole-source justification, continued use is recommended due to the City's existing investment in equipment and supplies compatible with this vendor. Transitioning to a new supplier would likely result in additional expenses and operational disruptions, including the need for new cylinder rentals and potential parallel testing to validate gas quality and performance.			
Brax Company, Inc.		$ 65,000.00	$ 65,000.00
CS-amsco		$ 35,000.00	$ 35,000.00
D&H Water Systems	$ 175,000.00	$ 35,000.00	$210,000.00
DC Frost Associates, Inc.		$ 85,000.00	$ 85,000.00
Duke's Root Control		$ 60,000.00	$ 60,000.00
Mesa Energy Systems, Inc.		$ 65,000.00	$ 65,000.00
Ferguson	$ 480,000.00		$480,000.00
Golden Bell Products		$ 65,000.00	$ 65,000.00
Hach Company		$ 125,000.00	$125,000.00
IDEXX Distribution, Inc.	$ 30,000.00	$ 5,000.00	$ 35,000.00
Plumbers Depot, Inc.	$ 50,000.00	$ 85,000.00	$135,000.00
Polydyne, Inc.		$ 200,000.00	$200,000.00
R&B Automation	$ 75,000.00		$ 75,000.00
Rockwell Engineering & Equipment Company		$ 45,000.00	$ 45,000.00
Sulzer Electro-Mechanical Services (US), Inc.	$ 135,000.00	$ 50,000.00	$185,000.00
Thermo Electron	$ 26,000.00	$ 13,000.00	$ 39,000.00
Unison Solutions, Inc.		$ 140,000.00	$140,000.00
Vaughan's Industrial Repair		$ 35,000.00	$ 35,000.00
Veolia WTS	$ 35,000.00		$ 35,000.00

OMNIA Partners

Vendor	Water Production (NTE)	Wastewater (NTE)	Total NTE
Cintas Corporation	$ 42,500.00	$ 38,000.00	$ 80,500.00
Grainger	$ 87,000.00	$ 24,000.00	$111,000.00
Herc Rentals	$ 50,000.00	$ 40,000.00	$ 90,000.00

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Mccrometer Meters & Supplies. Bid No. 20250312-PM(2).** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Total Bid Amount
1	Core & Main, San Bernardino, CA	Yes	$44,587.82
2	Orange County WinWater Works, Anaheim, CA	Yes	$49,100.47
3	Pacific Parts & Controls, Chino, CA	Yes	$50,461.05
4	D & H Water Systems, Inc., Oceanside, CA	Yes	$307,863.59

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler, Fernando Mata, Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Water and Wastewater Treatment Plant Supplies. Bid No. 20250312-PM(4).** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Total Bid Amount
1	Orange County WinWater Works, Anaheim, CA	Yes	$6,530.00
2	Hach Company, Loveland, CO	Yes	$87,777.17
3	Core & Main 2, Corona, CA	Yes	$176,266.24

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler; Fernando Mata; Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Electrical Components & Materials. Bid No. 20250312-JL.** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Addenda Issued (1)	Total Bid Amount
1	OneSource, Ocenside, CA	Yes	Yes	$45,446.17
2	Pacific Parts & Controls, Chino, CA	Yes	No	$48,915.87
3	Andrew Holmes, San Bernardino, CA	Yes	No	$71,166.50

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler, Fernando Mata, Paul Mariscal

CITY OF REDLANDS
Office of the City Clerk
BID OPENING REPORT

The following bids were opened on the **26th day of March, 2025** at **10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Water and Wastewater Treatment Plant Chemicals-20250312-PM(6).** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

Item No.		1	2	3	4	5	6	7	8	9	10
No	Name of Bidder	Chlorine Gas	Sodium Hypochlorite 12 .55% Mini Bulk (water)	Sodium Hypochlorite 12.5% (water)	Sodium Hydroxide 50% (water)	Praestol 186KH Polymer (water)	Praestol A 3040 LTR FLOCCULANT (water)	Praestol A 3010 LTR FLOCCULANT (water)	Citric Acid 50%(WW)	Ferric Chloride 39%(WW)	Sodium Hypochlorite 12.5%(WW)
1	California Water Technologies LLC, Santa Fe Springs, CA									3.14	
2	HASA Inc., Saugus, CA		3.99	2.30							2.30
3	JCI Jones Chemicals Inc., Torrance, CA	1.425		1.74							1.74
4	Kemira Water Solutions, Lawrence, KS									2.95	
5	NALCO Water, Naperville, IL					1.03					
6	Olin Corp/Pioneer Americas LLC, Houston, TX			2.219							2.219
7	Pencco Inc., San Felipe, TX									2.97	
8	SNF Polydyne Inc., Riceboro, GA					7.31	11.352	11.094			
9	Solenis LLC, Wilmington, DE					9.54	14.45	12.65			
10	Thatcher Co of Nevada, Inc., Salt Lake City, UT	1.3625									
11	Univar Solutions USA LLC, Kent, WA		3.36	2.49	2.63				7.47		2.49

*** BIDDERS ARE LISTED IN ALPHABECTICAL ORDER**
* All bids were signed * There were no addendums
* Pricing is per unit

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed : Councilmembers ,
City Manager, PIO, Press
Department Head : John Harris
Staff : Lea Wanda Butler; Teresa Mata; Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Water Distribution Sand & Base Aggregate. Bid No. 20250312-AC(2).** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Total Bid Amount
1	ManHole Adjusting Inc., Pico Rivera, CA	Yes	$72,850.00
2	West Coast Sand & Gravel, Buena Park, CA	Yes	$116,050.00
3	All American Asphalt, Corona, CA	Yes	$132,995.00

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler; Fernando Mata; Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Water Distribution Parts & Materials. Bid No. 20250312-AC.** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Addenda Issued (1)	Total Bid Amount
1	Western Water Works Supply Co., Chino Hills, CA	Yes	Yes	$631,031.56
2	C. Wells Pipeline Materials Inc., Corona, CA	Yes	No	$650,379.60
3	Orange County WinWater Works, Anaheim, CA	Yes	No	$659,469.52
4	Ferguson Waterworks, Riverside, CA	Yes	No	$718,230.87

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler; Fernando Mata; Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **CLA-VAL Products & Materials. Bid No. 20250312-PM.** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Total Bid Amount
1	Western Water Works Supply Co., Chino Hills	Yes	$92,962.60
2	Orange County WinWater Works, Anaheim	Yes	$93,043.86
3	C. Wells Pipeline Materials Inc., Corona	Yes	$94,981.00
4	Ferguson Waterworks, Riverside	Yes	$95,432.00

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler, Fernando Mata, Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Electrical Components & Materials. Bid No. 20250312-JL.** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Addenda Issued (1)	Total Bid Amount
1	OneSource, Ocenside, CA	Yes	Yes	$45,446.17
2	Pacific Parts & Controls, Chino, CA	Yes	No	$48,915.87
3	Andrew Holmes, San Bernardino, CA	Yes	No	$71,166.50

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler, Fernando Mata, Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Meter Accuracy Testing. Bid No. 20250312-PM(3).** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Total Bid Amount
1	McCall's Meters, Inc., Hemet, CA	Yes	$32,350.00

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: La Wanda Butler, Fernando Mata, Paul Mariscal

CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT

The following bid was opened on the **26th day of March 2025 at 10:00 a.m.** on behalf of the Municipal Utilities and Engineering Department for **Industrial Automation & Controls. Bid No. 20250312-JL(2).** The bid amounts have not been checked and are subject to correction after the bids have been completely reviewed.

No.	Plan Holder's Name	Bid Certification Signed	Total Bid Amount
1	Jo-Kel Inc., dba Pacific Parts & Controls, Chino, CA	Yes	$174,934.00
2	I.T.S. Group Inc., La Mirada, CA	Yes	$360,312.38

Jeanne Donaldson, City Clerk
City of Redlands, California

Emailed: Councilmembers,
City Manager, PIO, Press
Department Head: John Harris
Staff: LaWanda Butler, Fernando Mata, Paul Mariscal

REQUEST FOR BIDS

MCCROMETER METERS & SUPPLIES

BID # 20250312-PM(2)

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Paul Mariscal, Water Utility Manager
Phone (909)798-7502
pmariscal@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00 am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

BIDDER CERTIFICATION	
MCCROMETER METERS & SUPPLIES	
Submit To: City of Redlands	
Office of the City Clerk 35 Cajon Street, Suite 4 Redlands, CA 92373	City of Redlands Request for Bid (RFB Certification And Addenda Acknowledgment)

DUE DATE:	DUE TIME:	REQUEST FOR BID
Wednesday March 26, 2025	10:00 am	#20250312-PM(2)

BIDDER NAME:	PHONE NUMBER:
Core & Main LP	909 767 0830
BIDDER MAILING ADDRESS:	**FAX NUMBER:**
1830 Craig Park Ct	
CITY/STATE/ZIP	**E-MAIL ADDRESS:**
St. Louis, MO	Eric.Johnson@CoreAndMain.com

"I, the undersigned, certify that I have reviewed the addenda listed below (list all addenda received to date). I understand that timely commencement will be considered in awarding this REQUEST FOR BID and that cancellation of award will be considered if commencement time is not met, and that untimely commencement may be cause for assessment of liquidated damages claims. I further certify that the services will meet or exceed the REQUEST FOR BID requirements. I the undersigned, declare that I have carefully examined the REQUEST FOR BID, specifications, terms and conditions as applicable for this Request, and that I am thoroughly familiar with all provisions and the quality and type of commodities and services specified. I further declare that I have not divulged, discussed, or compared this REQUEST FOR BID with any other Offer or and have not colluded with any offertory or parties to a REQUEST FOR BID whatsoever for any fraudulent purpose."

Addendum #	Addendum #	Addendum #	Addendum #	Addendum #
_____	_____	_____	_____	_____

"I certify that this quote is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting an REQUEST FOR BID for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this REQUEST FOR BID and certify that I am authorized to sign this response and that the offer is in compliance with all requirements of the REQUEST FOR BID, including but not limited to certification requirements. In conducting offers with an agency for the City of Redlands respondent agrees that if this bid is accepted, the respondent will convey, sell, assign, or transfer to the City all rights, title and interest in and to all causes of action it may now or hereafter acquire under the anti-trust laws of the United States for price fixing relating to the particular commodities or services purchased or acquired by the City. At the City's discretion, such assignment shall be made and become effective at the time the purchasing agency renders final payment to the respondent."

Eric R Johnson Outside Sales	E R J	
Authorized Bidder Name, Title (Print)	Authorized Signature	Date

This form must be completed and returned with your Submittal

PART 4
PRICE AND FEE BID
BID # 20250306-PM(2)
MCCROMETER METERS & SUPPLIES

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacture	A. Size	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	McCrometer	4"	MW504, 4" 150PSI flange Flow Meter CF x100/GPM	1	$ 2154.00	$ 2154.00
2	McCrometer	6"	MW506, 6" 150PSI flange Flow Meter CF x100/GPM	1	$ 2545.00	$ 2545.00
3	McCrometer	8"	MW508, 8" 150PSI flange Flow Meter CF x100/GPM	1	$ 3691.00	$ 3691.00
4	McCrometer	10"	MW510, 10" 150PSI flange Flow Meter CF x100/GPM	1	$ 3748.50	$ 3748.50
5	McCrometer	12"	MW512, 12" 150PSI flange Flow Meter CF x100/GPM	1	$ 3602.00	$ 3602.00
6	McCrometer	N/A	E7000-00 transmitter	2	$ 1231.00	$ 2462.00
7	McCrometer	6"-4"	D0104-00 [6"-4" drive cable]	4	$ 20.70	$ 82.80
8	McCrometer	8"	D0122-00 [8" drive cable]	4	$ 20.70	$ 82.80
9	McCrometer	10"	D0123-00 [10" drive cable]	4	$ 27.77	$ 111.08
10	McCrometer	12"	D0106-00 [12" drive cable]	4	$ 16.66	$ 66.66
11	McCrometer	4"	PP105-99 [4" impeller]	4	$ 303.00	$ 1212.00
12	McCrometer	6"	PP106-99 [6" impeller]	4	$ 298.00	$ 1192.00
13	McCrometer	8"	PP108-99 [8" impeller]	4	$ 335.55	$ 1342.20
14	McCrometer	10"	PP100-99 [10" impeller]	4	$ 346.66	$ 1386.64
15	McCrometer	12"	PP112-99 [12" impeller]	4	$ 416.66	$ 1666.64

16	McCrometer	6"	**UM06-06-R6"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$ 3852.00	$ 3852.00
17	McCrometer	8"	**UM06-08-R 8"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ 4608.00	$ 4608.00
18	McCrometer	10"	**UM-06-10-R 10"** ULTRA MAG FLOW METER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$ 5324.00	$ 5324.00
19	McCrometer	12"	**UM06-12-R12"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ 6079.00	$ 6079
					BID TOTAL (LINES 1 THROUGH 19)	$ 44 587.82

TOTAL PRICE WRITING IN WORDS Forty Four Thousand Five Hundred Eighty Seven and eighty two

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature E [illegible] Title Outside Sales Date 3/26/2025

D&H WATER SYSTEMS
D&H Water Systems, Inc.
603 Seagaze Dr. #241
Oceanside, CA 92054
TELEPHONE 760-468-8006
FACSIMILE 760-806-7608
EMAIL tom@dandhwatersystems.com

Cover Sheet

To: **City of Redlands**

From: **Tommy Hartwig**

Company: **D&H Water Systems, Inc.** **Date:** **March 26, 2025**

Subject: McCrometer Meters & Supplies Bid # 2025-0312-PM (2)

****

All resulting purchase orders should be sent to:

D and H Water Systems, Inc.
603 Seagaze Drive #241
Oceanside, CA 92054

If you have any questions, or need further information please call me at 760-468-8006.

Sincerely,

Tom Hartwig
D&H Water Systems, Inc.
760.468.8006
tom@dandhwatersystems.com

This transmission contains confidential information intended for use only by the above named recipient. Reading, discussion, distribution, or copying of this message is strictly prohibited by anyone other than the named recipient or his or her employees or agents. If you have received this fax in error, please immediately notify us by telephone (collect), and return the original message to us at the above address via U.S. Postal Service. If this correspondence relates to a current order, please note that US Filter/Wallace & Tiernan's standard terms and conditions apply unless otherwise amended by our order acknowledgement letter.

PART 4
PRICE AND FEE BID
BID # 20250306-PM(2)
MCCROMETER METERS & SUPPLIES

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacture	A. Size	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	McCrometer	4"	MW504, 4" 150PSI flange Flow Meter CF x100/GPM	1	$ $3,346.89	$ $20,081.36
2	McCrometer	6"	MW506, 6" 150PSI flange Flow Meter CF x100/GPM	1	$ $3,739.49	$ $22,436.94
3	McCrometer	8"	MW508, 8" 150PSI flange Flow Meter CF x100/GPM	1	$ $4,286.96	$ $25,721.73
4	McCrometer	10"	MW510, 10" 150PSI flange Flow Meter CF x100/GPM	1	$ $4,947.86	$ $19,791.44
5	McCrometer	12"	MW512, 12" 150PSI flange Flow Meter CF x100/GPM	1	$ $5,648.22	$ $22,592.89
6	McCrometer	N/A	E7000-00 transmitter	2	$ $1,115.60	$ $13,387.19
7	McCrometer	6"-4"	D0104-00 [6"- 4" drive cable]	4	$ $125.23	$ $2,504.57
8	McCrometer	8"	D0122-00 [8" drive cable]	4	$ $125.23	$ $2,504.57
9	McCrometer	10"	D0123-00 [10" drive cable]	4	$ $127.20	$ $2,544.03
10	McCrometer	12	D0106-00 [12" drive cable]	4	$ $119.31	$ $2,386.20
11	McCrometer	4"	PP105-99 [4" impeller]	4	$ $352.11	$ $7,042.13
12	McCrometer	6"	PP106-99 [6" impeller]	4	$ $399.45	$ $7,989.09
13	McCrometer	8"	PP108-99 [8" impeller]	4	$ $435.95	$ $8,719.05
14	McCrometer	10"	PP100-99 [10" impeller]	4	$ $445.82	$ $8,916.33
15	McCrometer	12"	PP112-99 [12" impeller]	4	$ $515.85	$ $10,317.06

16	McCrometer	6"	**UMI06-06-R6"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$ $4,255.39	$ $25,532.34
17	McCrometer	8"	**UM06-08-R 8"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ $5,070.18	$ $30,421.06
18	McCrometer	10"	**UMI-06-10-R 10"** ULTRA MAG FLOW METER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$ $5,841.56	$ $35,049.37
19	McCrometer	12"	**UM06-12-R12"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ $6,654.38	$ $39,926.25
				BID TOTAL (LINES 1 THROUGH 19)		$ $307,863.59

TOTAL PRICE WRITING IN WORDS

CONTRACT TERM (Please Complete)

The City may ☐ or may not [x] exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature _____ Title Technical Sales Manager Date 3/26/25

WBENC
WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL
JOIN FORCES. SUCCEED TOGETHER.

hereby grants

National Women's Business Enterprise Certification

to

JO-KELL, INC.

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled and is valid through the date herein.

WBENC National WBE Certification was processed and validated by Women's Business Enterprise Council Greater DMV, a WBENC Regional Partner Organization.

Certification Granted: February 6, 2004
Expiration Date: February 28, 2026
WBENC National Certification Number: 232870

Phala Mire, President & CEO Women's Business Enterprise Council Greater DMV

WBEC GREATER DMV
WOMEN'S BUSINESS ENTERPRISE CENTER
JOIN FORCES. SUCCEED TOGETHER.

NAICS: 423610, 335313, 335931, 423830, 423840
UNSPSC: 25173900, 32131000, 39120000

Center for Women & Enterprise · Great Lakes Women's Business Council · Greater Women's Business Council · Women's Business Council Southwest · WBDC · WBEC METRO NY · WBEA · WBEC EAST · WBEC FLORIDA · WBEC ORV · WBEC PACIFIC · WBEC SOUTH · WBEC WEST

PART 4
PRICE AND FEE BID
BID # 20250306-PM(2)
MCCROMETER METERS & SUPPLIES

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacture	A. Size	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	McCrometer	4"	MW504, 4" 150PSI flange Flow Meter CF x100/GPM	1	$ 2401.05	$ 2401.05
2	McCrometer	6"	MW506, 6" 150PSI flange Flow Meter CF x100/GPM	1	$ 2836.84	$ 2,836.84
3	McCrometer	8"	MW508, 8" 150PSI flange Flow Meter CF x100/GPM	1	$ 3445.26	$ 3,445.26
4	McCrometer	10"	MW510, 10" 150PSI flange Flow Meter CF x100/GPM	1	$ 4177.89	$ 4,177.89
5	McCrometer	12"	MW512, 12" 150PSI flange Flow Meter CF x100/GPM	1	$ 4,956.84	$ 4,956.84
6	McCrometer	N/A	E7000-00 transmitter	2	$ 1,166.32	$ 2,332.63
7	McCrometer	6"-4"	D0104-00 [6"- 4" drive cable]	4	$ 24.21	$ 96.84
8	McCrometer	8"	D0122-00 [8" drive cable]	4	$ 24.21	$ 96.84
9	McCrometer	10"	D0123-00 [10" drive cable]	4	$ 26.32	$ 105.26
10	McCrometer	12	D0106-00 [12" drive cable]	4	$ 15.79	$ 63.16
11	McCrometer	4"	PP105-99 [4" impeller]	4	$ 287.32	$ 1,149.47
12	McCrometer	6"	PP106-99 [6" impeller]	4	$ 277.89	$ 1,111.58
13	McCrometer	8"	PP108-99 [8" impeller]	4	$ 317.89	$ 1,271.58
14	McCrometer	10"	PP100-99 [10" impeller]	4	$ 328.42	$ 1,313.68
15	McCrometer	12"	PP112-99 [12" impeller]	4	$ 394.74	$ 1,578.95

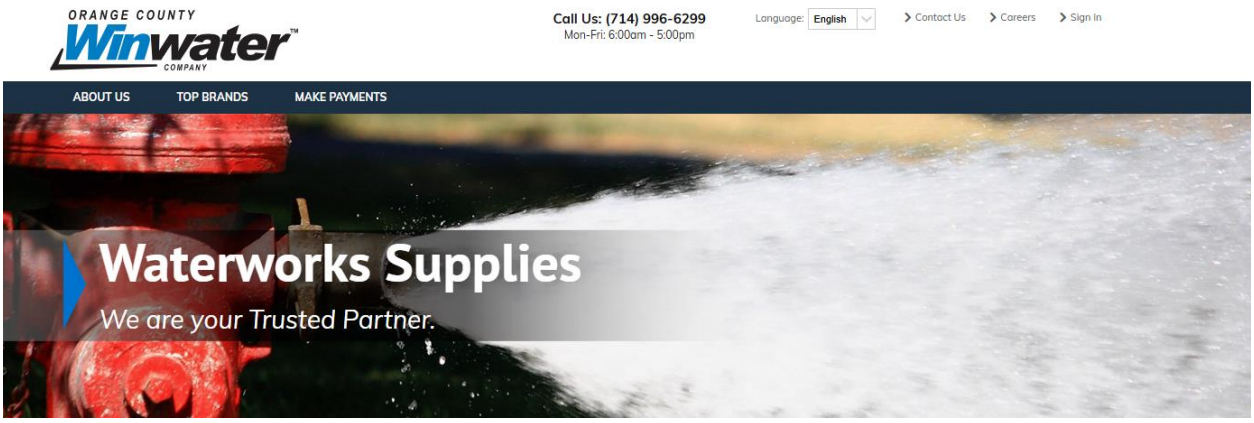
16	McCrometer	6"	**UM06-06-R6"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$ 4562.11	$ 4,562.11
17	McCrometer	8"	**UM06-08-R 8"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ 5,456.84	$ 5,456.84
18	McCrometer	10"	**UM-06-10-R 10"** ULTRA MAG FLOW METER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$ 6,305.26	$ 6,305.26
19	McCrometer	12"	**UM06-12-R12"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ 7,198,95	$ 7,198,95
				BID TOTAL (LINES 1 THROUGH 19)		$ 50,461.05

TOTAL PRICE WRITING IN WORDS FIFTY THOUSAND, FOUR HUNDRED SIXTY ONE & 05/100

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☒ two ☐ three ☐ additional year(s).

Signature [signature] Title OUTSIDE SALES Date 3/24/2025


ORANGE COUNTY
Winwater
COMPANY
Call Us: (714) 996-6299
Mon-Fri: 6:00am - 5:00pm
Language: English
Contact Us
Careers
Sign In
ABOUT US
TOP BRANDS
MAKE PAYMENTS
Waterworks Supplies
We are your Trusted Partner.

PART 4
PRICE AND FEE BID
BID # 20250306-PM(2)
MCCROMETER METERS & SUPPLIES

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacture	A. Size	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	McCrometer	4"	MW504, 4" 150PSI flange Flow Meter CF x100/GPM	1	$ 2327.55	$ 2327.55
2	McCrometer	6"	MW506, 6" 150PSI flange Flow Meter CF x100/GPM	1	$ 2750.00	$ 2750.00
3	McCrometer	8"	MW508, 8" 150PSI flange Flow Meter CF x100/GPM	1	$ 3339.80	$ 3339.80
4	McCrometer	10"	MW510, 10" 150PSI flange Flow Meter CF x100/GPM	1	$ 4050.00	$ 4050.00
5	McCrometer	12"	MW512, 12" 150PSI flange Flow Meter CF x100/GPM	1	$ 4805.00	$ 4805.00
6	McCrometer	N/A	E7000-00 transmitter	2	$ 1154.17	$ 2308.34
7	McCrometer	6"-4"	D0104-00 [6"- 4" drive cable]	4	$ 23.96	$ 95.84
8	McCrometer	8"	D0122-00 [8" drive cable]	4	$ 23.96	$ 95.84
9	McCrometer	10"	D0123-00 [10" drive cable]	4	$ 26.04	$ 104.16
10	McCrometer	12	D0106-00 [12" drive cable]	4	$ 15.63	$ 62.52
11	McCrometer	4"	PP105-99 [4" impeller]	4	$ 284.38	$ 1137.52
12	McCrometer	6"	PP106-99 [6" impeller]	4	$ 275.00	$ 1100.00
13	McCrometer	8"	PP108-99 [8" impeller]	4	$ 314.58	$ 1258.32
14	McCrometer	10"	PP100-99 [10" impeller]	4	$ 325.00	$ 1300.00
15	McCrometer	12"	PP112-99 [12" impeller]	4	$ 390.63	$ 1562.52

16	McCrometer	6"	**UM06-06-R6"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$4422.45	$ 4422.45
17	McCrometer	8"	**UM06-08-R 8"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ 5289.80	$ 5289.80
18	McCrometer	10"	**UM-06-10-R 10"** ULTRA MAG FLOW METER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS	1	$ 6112.24	$ 6112.24
19	McCrometer	12"	**UM06-12-R12"** ULTRA MAG FLOWMETER ELECTROMAGNETIC FLOW METER WITH REMOTE MOUNTED VAC POWERED SIGNAL CONVERTER AND 25 FEET OF SUBMERSIBLE CABLE, AWWA CLASS D 150 PSI FLANGES, FUSION BONDED EPOXY LINED, SS316 ELECTRODES AND TWO SS316 GROUNDING RINGS.	1	$ 6978.57	$ 6978.57
					BID TOTAL (LINES 1 THROUGH 19)	$49100.47

TOTAL PRICE WRITING IN WORDS Forty nine thousand one hundred dollars & forty seven cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature [signature] Title President Date 3/24/25

REQUEST FOR BIDS

WATER & WASTEWATER TREATMENT PLANT SUPPLIES

BID # 20250312-PM(4)

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Paul Mariscal, Water Utility Manager
Phone (909)798-7502
pmariscal@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00 am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

Executive Summary

Michael Carmack – Business Development Manager



I have over 16 years' experience in the waterworks industry working with contractors, municipalities and water districts and have had particular focus on Tools, Safety and MRO Supplies since 2019. I joined Core & Main Water & Wastewater Supply in 2024 and focus on the West Region, CA, AZ and HI.

Jon Bormann – Director of Business Development



Over 30 Years of Experience in Water and Wastewater Treatment Encompassing all areas of Water, Wastewater, Laboratory, Industrial and Advanced Treatment Processes including Pure OX, Membrane Filtration, Instrumentation and Chemical Feed System Engineering and Process Engineering, Analytical and Organic Chemistry, Contract Negotiation, Acquisition Strategies, Consultative Sales, B2B Sales and Management.

References

1. **Baton Rouge Waterworks – Contract on going**
   Contact: Bart Himel
   Phone: 225-952-7677
   himelb@brwater.com
   Nature of work: Supply laboratory supplies for water treatment (Municipal)
2. **City of Grand Prairie – Contract on going 2 years**
   Contact: Walter Conzales
   Phone: 972-237-8441
   agonzales@gptx.org
   Nature of work: Supply laboratory supplies for water treatment (Municipal)
3. **Atlantic Municipal Utilities – Contract on going**
   Contact: Mitch Burg
   Phone: 712-243-1395
   mburg@amu1.net
   Nature of work: Supply laboratory supplies and Equipment for water treatment (Municipal)

PART 4
PRICE AND FEE BID
BID # 20250312-PM(4)
WATER & WASTEWATER TREATMENT PLANT SUPPLIES

Award will be made to the overall lowest responsive and responsible bidder.

WHERE APPLICABLE, COLUMN (A) IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacture	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	HACH	246149	Formazin Turbidity Standard, 4000 NTU, 500 mL	6	$133.92	$803.52
2	HACH	BBP072	Pipette tips 1.0-5.0 mL for variable volume pipette, 100 pieces	25	$67.60	$1,690.00
3	Any	N/A	Delicate Task Wipes, 4.4"x8.4", ~280 per package	50	$4.19	$251.40
4	HACH	2105660	DPD Free Chlorine Reagent, Swiftest Dispenser Refill Vial, 250 Tests	30	$61.09	$1,832.70
5	HACH	2444400	Chlorine (Total) Test Kit, Model CN-21P	10	$97.65	$976.50
6	HACH	2659505	StablCal® Turbidity Standards Calibration Kit, 0 - 7500 NTU, Sealed Vials	10	$451.05	$4,510.50
7	HACH	2756549	pH Electrode Storage Solution, 500 mL	6	$53.74	$322.44
8	HACH	2947600	Buffer Solution Kit, Color-coded, pH 4.01, pH 7.00 and pH 10.01, 500 mL	8	$36.78	$220.68
9	HACH	LPV431.99.00002	Surface Scatter® 7 Turbidimeter	1	$7,513.00	$7,513.00
10	HACH	2105660	DPD Total Chlorine Reagent, Swiftest Dispenser Refill Vial, 250 Tests	6	$66.39	$398.34
11	HACH	9531000	Pocket Pro pH Tester	4	$181.35	$725.40
12	HACH	8505350	HQ440D Laboratory Dual Input, Multi-Parameter Meter	2	$3,301.50	$6,603.00
13	HACH	LXV404.99.00552	Hach sc4500 Digital Controller w/ (2) Digital Hach Sensor Inputs, 120 VDC	5	$3,492.00	$17,460.00
14	HACH	LXV445.99.10112	Hach TU5300sc Low-Range Turbidimeter	5	$2,625.39	$13,126.95
15	HACH	LZY907.97.00002	Maintenance kit for TU5 series turbidimeter	2	$1,682.37	$3,364.74

16	HACH	LZY901	Hach Glass Verification Rod, <0.1 NTU (Solid Secondary Standard)	2	$1,458.24	$ 2,916.48
17	HACH	LZY834	Process Vial for TU5300sc turbidimeters	10	$50.55	$505.50
18	HACH	LZY835	Hach StablCal Calibration Set w/ RFID Tags	2	$700.29	$1,400.58
19	HACH	LPV442.99.01012	TU5200 Laboratory Laser Turbidimeter without RFID, EPA Version	1	$5,362.38	$5,362.38
20	HACH	LXV445.99.53112	TU5300 sc Low Range Laser Turbidimeter with Flow Sensor, Automatic Cleaning, RFID, and System Check, EPA Version	4	$3,706.05	$14,824.20
21	HACH	PHC30101	Intellical™ PHC301 Laboratory General Purposes Refillable pH Electrode, 1 m Cable	6	$425.01	$2,550.06
22	HACH	521M004	Filling Solution, Reference, 3 M KCl with AgCl, 100 mL	12	$33.53	$402.36
23	HACH	2802400	DPD Total Chlorine Reagent, Swiftest Dispenser	20	$87.37	$1,747.40
24	HACH	2802300	DPD Free Chlorine Reagent, Swiftest Dispenser	20	$80.40	$1,608.00
25	HACH	2106069	PhosVer 3 Powder Pillow 100 count	14	$51.94	$727.16
26	HACH	2427606	Glass Sample Cells,6 count	10	$71.01	$ 710.10
27	HACH	2196756	TSS Glass Fiber Filter, Pore Size 1.2 µm, Diameter 90 mm, 100/pk	20	$111.60	$ 2,232.00
28	Lutz	MMS-SS 41 L	Lutz Drum Pump Tube 47" MFN: PN 0151 005	2	$1,068.00	$2,136.00
29	Lutz	536/Mi4	Lutz 120v 640w Open Drip Proof Motor	2	$ 734.94	$ 1,469.90
30	Blue-White	A1-TT	Blue-White FLEXFLO A-100N Replacement Flex-A-Therie	12	$ 56.17	$ 674.04
31	Kupferle	Eclipse No. 88	Sampling Station Cold Climate 1936, 4' Bury Depth, Low Lead, 88-LLBRASS-48"BURY	4	$1,427.84	$ 5,711.36
32	Rosemont	2051CD2A22A1AM4	Rosemount 2051 Pressure Transmitter, with LOI Differential, -250 to 250 H2O	8	$2,195.01	$ 17,560.08
33	Rosemont	2088G2S22A1M4	2088 Gauge Pressure Transmitter 0 to 150 psi, with LOI Display	8	$1,438.40	$ 11,507.20
34	Rosemont	3051CD2A22A1A M5	3051 Differential pressure transmitter, with LCD display	4	$2,568.02	$ 10,272.08
35	Rosemont	0306RT	Rosemount 306 In-Line Manifold	8	$318.50	$ 2,548.00
36	KPSI	705S13C0A005,00000 0,000C20050A	KPSI Series 705 Submersible Transmitter, 0 to 5 PSI	8	$0.00	$ 0.00
37	KPSI	330S13B0B150,00000 0,000B10350A	KPSI 320 Submersible Level Transmitter, 316 SS, 0 to 150 PSI	8	$0.00	$ 0.00
38	Any	N/A	DE chlorination Tablets, 45lbs	6	$615.90	$ 3,695.40

39	Zenner	FHZ25S**-GV	High-Performance Hydrant Meter w/ Gate Valve, 22"L, Cubic Feet	2	$1,279.29	$2,558.58
40	Koflo	QK-.5-3-V	½"NPT x3"L PVDF Chemical Injection Quill	8	$1,044.00	$2,088.00
41	Koflo	1000ML	PVC 1000mL calibration column, 16GPH, ¾" FNPT, 2-3/8"OD x 25" L	4	$73.95	$591.60
42	Sotera	SS460B	Electric drum mixing pump, 110VAC, 1/4HP Motor	8	$1,050.81	$4,203.24
43	BD	00382903029952	BD Disposable Syringe w/ Luer Lock Tip, 10 mL, Sterile	10	$71.32	$427.92
44	BD	00382903096572	BD Disposable Syringe w/ Luer Lock Tip, 3 mL, Sterile	15	$225.20	$2,252.00
45	Thermo Scientific	C146-0040	I-Chem Amber Glass Vials, 40 mL	10	$228.75	$3,431.25
46	DipStick Pro	F2637EA	3-ft Long Grease Trap & Tank Core Sampler	1	$581.00	$5,810.00
47	DipStick Pro	F2624EA	10-ft Long Grease Trap & Tank Core Sampler	1	$633.60	$633.60
48	DipStick Pro	F2638EA	18-ft Long Grease Trap & Tank Core Sampler	3	$975.10	$975.10
49	Bel-Art	F37807-000	Expandable Sample Dipper	3	$237.50	$712.50
50	Simple Green	2700000113008.00	Industrial Cleaner/Degreaser in a 55-gallon	3	$741.00	$2,223.00
					TOTAL SUM BID (1 THROUGH 50)	$176,266.24

TOTAL PRICE WRITING IN WORDS One hundred, seventy-six thousand, two hundred sixty-six and twenty four cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature _____ Title Director of Business Development Date 3/25/25

Executive Summary

Hach's mission is to ensure water quality for people around the world. We make water analysis better—faster, simpler, greener, and more informative—via unsurpassed customer partnerships, the most knowledgeable experts, and reliable, easy-to-use solutions.

Hach Company, owned by Veralto Corporation (VLTO), is a global source for water analytical systems and solutions. With a promise to simplify water quality analysis and deliver accurate, timely results, Hach is the premier U.S.-based water analysis company.

Hach provides a wide range of single-parameter test kits, advanced laboratory instruments, and state-of-the-art on-line monitoring systems. Each system includes reliable monitoring instrumentation, pre-measured reagents, proven methods, illustrated procedures, and technical support for the life of the product. Hach methods are innovative and are developed with customers' needs in mind.

To achieve our goal of delivering quality products on time and at competitive prices, Hach maintains a program of investing in the latest, state-of-the-art production systems. Every facet of Hach's operations, from quotation to production scheduling to quality control to shipping, is guided by a robust and networked management system.

Our Loveland, Colorado (USA) facility houses Hach's world headquarters, research and development laboratories, instrument manufacturing operations, customer service center and the Hach Technical Training Center.

Activities at our Ames, Iowa facility include manufacturing and packaging chemical reagents and test kits, and filling customer orders from our central warehouse.

Advanced electronic information systems help us pick, pack, and ship hundreds of orders every day for our customers throughout the world. Hach also operates modern, efficient facilities in Grants Pass, Oregon; Romeoville, Illinois; Lyon, France; Berlin, Germany; Barcelona, Spain; Geneva, Switzerland; and Shilu, China.

Additionally, Hach has a technical support team available for more complex issues and customer questions. Hach is known for its unrivaled support with customer service and technical support specialists dedicated to providing expertise and solutions to meet customers' needs.

The Hach sales support team addresses customer questions via phone or through Hach's innovative "Live Help" feature on www.hach.com. These accessible agents give customers a rapid response to their laboratory, process, and basic technical questions.

Account Manager:

Andy Cuevas/Regional Sales Manager
Phone Number: (Cell): 909-214-5704
Email Address: acuevas@hach.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM(4)
WATER & WASTEWATER TREATMENT PLANT SUPPLIES

Award will be made to the overall lowest responsive and responsible bidder.

WHERE APPLICABLE, COLUMN (A) IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacture	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	HACH	246149	Formazin Turbidity Standard, 4000 NTU, 500 mL	6	$126.72	$760.32
2	HACH	BBP072	Pipette tips 1.0-5.0 mL for variable volume pipette, 100 pieces	25	$63.97	$1,599.25
3	Any	N/A	Delicate Task Wipes, 4.4"x8.4", ~280 per package	60	$9.41	$564.60
4	HACH	2105560	DPD Free Chlorine Reagent, Swiftest Dispenser Refill Vial, 250 Tests	30	$57.81	$1,734.30
5	HACH	2444400	Chlorine (Total) Test Kit, Model CN-21P	10	$92.40	$924.00
6	HACH	2659505	StabCal® Turbidity Standards Calibration Kit, 0 - 7500 NTU, Sealed Vials	10	$426.80	$4,268.00
7	HACH	2756549	pH Electrode Storage Solution, 500 mL	6	$50.86	$305.16
8	HACH	2947600	Buffer Solution Kit, Color-coded, pH 4.01, pH 7.00 and pH 10.01, 500 mL	6	$34.80	$208.80
9	HACH	LPV431.9900002	Surface Scatter® 7 Turbidimeter	1	$6,611.44	$6,611.44
10	HACH	2105660	DPD Total Chlorine Reagent, Swiftest Dispenser Refill Vial, 250 Tests	6	$62.82	$376.92
11	HACH	9531000	Pocket Pro pH Tester	4	$171.60	$686.40
12	HACH	8505350	HQ440D Laboratory Dual Input, Multi-Parameter Meter	2	$3,124.00	$6,248.00
13	HACH	LXV404.99.00552	Hach sc4500 Digital Controller w/ (2) Digital Hach Sensor Inputs, 120 VDC	5	$2,955.92	$14,779.60
14	HACH	LXV445.99.10112	Hach TU5300sc Low-Range Turbidimeter	5	$2,484.24	$12,421.20
15	HACH	LZY907.97.00002	Maintenance kit for TU5 series turbidimeter	2	$1,591.92	$3,183.84

16	HACH	LZY901	Hach Glass Verification Rod, <0.1 NTU (Solid Secondary Standard)	2	$1,379.84	$ 2,759.68
17	HACH	LZY834	Process Vial for TU5300sc turbidimeters	10	$47.83	$ 478.30
18	HACH	LZY835	Hach StablCal Calibration Set w/ RFID Tags	2	$662.64	$ 1,325.28
19	HACH	LPV442.99.01012	TU5200 Laboratory Laser Turbidimeter without RFID, EPA Version	1	$5,074.08	$ 5,074.08
20	HACH	LXV445.99.53112	TU5300 sc Low Range Laser Turbidimeter with Flow Sensor, Automatic Cleaning, RFID, and System Check, EPA Version	4	$3,506.80	$ 14,027.20
21	HACH	PHC30101	Intellical™ PHC301 Laboratory General Purposes Refillable pH Electrode, 1 m Cable	6	$402.16	$ 2,412.96
22	HACH	S21M004	Filling Solution, Reference, 3 M KCl with AgCl, 100 mL	12	$31.72	$ 380.64
23	HACH	2802400	DPD Total Chlorine Reagent, Swiftest Dispenser	20	$82.68	$ 1,653.60
24	HACH	2802300	DPD Free Chlorine Reagent, Swiftest Dispenser	20	$76.08	$ 1,521.60
25	HACH	2106069	PhosVer 3 Powder Pillow 100 count	14	$49.15	$ 688.10
26	HACH	2427606	Glass Sample Cells 6 count	10	$67.19	$ 671.90
27	HACH	2198755	TSS Glass Fiber Filter, Pore Size 1.2 µm, Diameter 90 mm, 100/pk	20	$105.60	$ 2,112.00
28	Lutz	MMS-SS 41 L	Lutz Drum Pump Tube 47"	2	$0.00	$ No bid for Hach
29	Lutz	B36/MI4	Lutz 120v 640w Open Drip Proof Motor	2	$0.00	$ No bid for Hach
30	Blue-White	A1-1T	Blue-White FLEXFLO A-100N Replacement Flex-A-Thane	12	$0.00	$ No bid for Hach
31	Kupferle	Eclipse No. 88	Sampling Station Cold Climate #88, 4' Bury Depth, Low Lead, 88-LLBRASS-48"BURY	4	$0.00	$ No bid for Hach
32	Rosemont	2051CD2A22A1AM4	Rosemount 2051 Pressure Transmitter, with LOI Differential, -250 to 250"H2O	8	$0.00	$ No bid for Hach
33	Rosemont	2088G2S22A1M4	2088 Gauge Pressure Transmitter 0 to 150 psi, with LOI Display	8	$0.00	$ No bid for Hach
34	Rosemont	3051CD2A22A1A M5	3051 Differential pressure transmitter, with LCD display	4	$0.00	$ No bid for Hach
35	Rosemont	0306RT	Rosemount 306 In-Line Manifold	8	$0.00	$ No bid for Hach
36	KPSI	705S13C0A005.00000 0.000C20050A	KPSI Series 705 Submersible Transmitter, 0 to 5 PSI	8	$0.00	$ No bid for Hach
37	KPSI	330S13B0B150.00000 0.000B10350A	KPSI 320 Submersible Level Transmitter, 316 SS, 0 to 150 PSI	8	$0.00	$ No bid for Hach
38	Any	N/A	DE chlorination Tablets, 45 lbs	6	$0.00	$ No bid for Hach

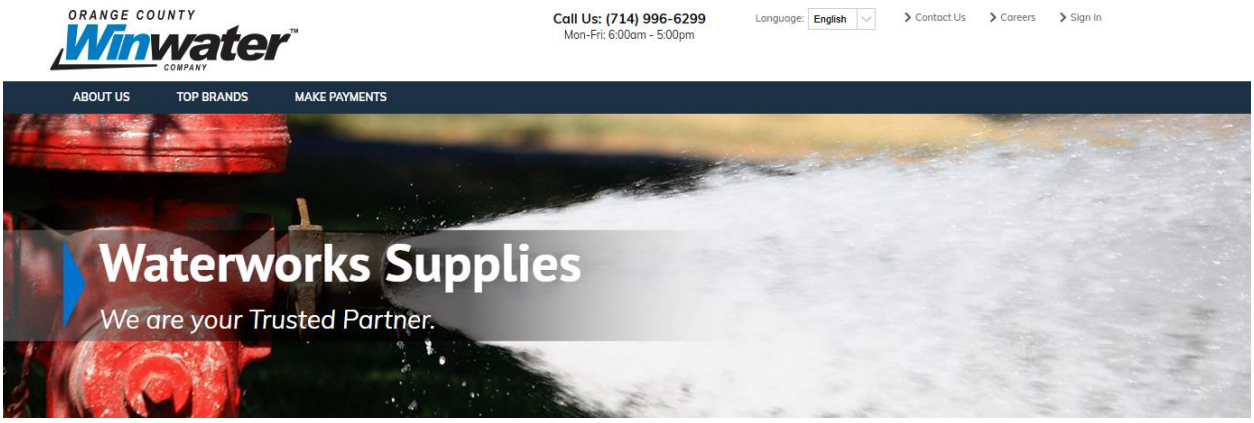
39	Zenner	FHZ25S**-GV	High-Performance Hydrant Meter w/ Gate Valve, 22"L, Cubic Feet	2	$0.00	$No bid for Hach
40	Koflo	QK-.5-3-V	½"NPT x3"L PVDF Chemical Injection Quill	8	$0.00	$No bid for Hach
41	Koflo	1000ML	PVC 1000mL calibration column, 16GPH, ¾" FNPT, 2-3/8"OD x 25" L	4	$0.00	$No bid for Hach
42	Sotera	SS460B	Electric drum mixing pump, 110VAC, 1/4HP Motor	6	$0.00	$No bid for Hach
43	BD	00382903029952	BD Disposable Syringe w/ Luer Lock Tip, 10 mL, Sterile	10	$0.00	$No bid for Hach
44	BD	00382903096572	BD Disposable Syringe w/ Luer Lock Tip, 3 mL, Sterile	15	$0.00	$No bid for Hach
45	Thermo Scientific	C146-0040	I-Chem Amber Glass Vials, 40 mL	10	$0.00	$No bid for Hach
46	DipStick Pro	F2637EA	6-ft Long Grease Trap & Tank Core Sampler	1	$0.00	$No bid for Hach
47	DipStick Pro	F2624EA	10-ft Long Grease Trap & Tank Core Sampler	1	$0.00	$No bid for Hach
48	DipStick Pro	F2633EA	18-ft Long Grease Trap & Tank Core Sampler	3	$0.00	$No bid for Hach
49	Bel-Art	F37807-000	Expandable Sample Dipper	3	$0.00	$No bid for Hach
50	Simple Green	2700000113008.00	Industrial Cleaner/Degreaser in a 55-gallon	3	$0.00	$No bid for Hach
				TOTAL SUM BID (1 THROUGH 50)		$87,777.17

TOTAL PRICE WRITING IN WORDS Eighty Seven Thousand Seven Hundred Seventy Seven Dollars and Seventeen Cents

CONTRACT TERM (Please Complete)

The City may ☑ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☑ three ☐ additional year(s). (1) annual price increase will apply to each renewal year.

Signature Alyssa Lacerda Title Project Coordinator Date March 24, 2025


ORANGE COUNTY
Winwater
COMPANY
Call Us: (714) 996-6299
Mon-Fri: 6:00am - 5:00pm
Language: English
Contact Us
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TOP BRANDS
MAKE PAYMENTS
Waterworks Supplies
We are your Trusted Partner.

PART 4
PRICE AND FEE BID
BID # 20250312-PM(4)
WATER & WASTEWATER TREATMENT PLANT SUPPLIES

Award will be made to the overall lowest responsive and responsible bidder.

WHERE APPLICABLE, COLUMN (A) IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacture	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	HACH	246149	Formazin Turbidity Standard, 4000 NTU, 500 mL	6	$	$
2	HACH	BBP072	Pipette tips 1.0-5.0 mL for variable volume pipette, 100 pieces	25	$	$
3	Any	N/A	Delicate Task Wipes, 4.4"x8.4", ~280 per package	60	$	$
4	HACH	2105560	DPD Free Chlorine Reagent, Swiftest Dispenser Refill Vial, 250 Tests	30	$	$
5	HACH	2444400	Chlorine (Total) Test Kit, Model CN-21P	10	$	$
6	HACH	2659505	StablCal® Turbidity Standards Calibration Kit, 0 - 7500 NTU, Sealed Vials	10	$	$
7	HACH	2756549	pH Electrode Storage Solution, 500 mL	6	$	$
8	HACH	2947600	Buffer Solution Kit, Color-coded, pH 4.01, pH 7.00 and pH 10.01, 500 mL	6	$	$
9	HACH	LPV431.9900002	Surface Scatter® 7 Turbidimeter	1	$	$
10	HACH	2105660	DPD Total Chlorine Reagent, Swiftest Dispenser Refill Vial, 250 Tests	6	$	$
11	HACH	9531000	Pocket Pro pH Tester	4	$	$
12	HACH	8505350	HQ440D Laboratory Dual Input, Multi-Parameter Meter	2	$	$
13	HACH	LXV404.99.00552	Hach sc4500 Digital Controller w/ (2) Digital Hach Sensor Inputs, 120 VDC	5	$	$
14	HACH	LXV445.99.10112	Hach TU5300sc Low-Range Turbidimeter	5	$	$
15	HACH	LZY907.97.00002	Maintenance kit for TU5 series turbidimeter	2	$	$

16	HACH	LZY901	Hach Glass Verification Rod, <0.1 NTU (Solid Secondary Standard)	2	$	$
17	HACH	LZY834	Process Vial for TU5300sc turbidimeters	10	$	$
18	HACH	LZY835	Hach StablCal Calibration Set w/ RFID Tags	2	$	$
19	HACH	LPV442.99.01012	TU5200 Laboratory Laser Turbidimeter without RFID, EPA Version	1	$	$
20	HACH	LXV445.99.53112	TU5300 sc Low Range Laser Turbidimeter with Flow Sensor, Automatic Cleaning, RFID, and System Check, EPA Version	4	$	$
21	HACH	PHC30101	Intellical™ PHC301 Laboratory General Purposes Refillable pH Electrode, 1 m Cable	6	$	$
22	HACH	S21M004	Filling Solution, Reference, 3 M KCl with AgCl, 100 mL	12	$	$
23	HACH	2802400	DPD Total Chlorine Reagent, Swiftest Dispenser	20	$	$
24	HACH	2802300	DPD Free Chlorine Reagent, Swiftest Dispenser	20	$	$
25	HACH	2106069	PhosVer 3 Powder Pillow 100 count	14	$	$
26	HACH	2427606	Glass Sample Cells 6 count	10	$	$
27	HACH	2198755	TSS Glass Fiber Filter, Pore Size 1.2 µm, Diameter 90 mm, 100/pk	20	$	$
28	Lutz	MMS-SS 41 L	Lutz Drum Pump Tube 47"	2	$	$
29	Lutz	B36/MI4	Lutz 120v 640w Open Drip Proof Motor	2	$	$
30	Blue-White	A1-1T	Blue-White FLEXFLO A-100N Replacement Flex-A-Thane	12	$	$
31	Kupferle	Eclipse No. 88	Sampling Station Cold Climate #88, 4' Bury Depth, Low Lead, 88-LLBRASS-48"BURY	4	$ 1200.00	$ 4800.00
32	Rosemont	2051CD2A22A1AM4	Rosemount 2051 Pressure Transmitter, with LOI Differential, -250 to 250"H2O	8	$	$
33	Rosemont	2088G2S22A1M4	2088 Gauge Pressure Transmitter 0 to 150 psi, with LOI Display	8	$	$
34	Rosemont	3051CD2A22A1A M5	3051 Differential pressure transmitter, with LCD display	4	$	$
35	Rosemont	0306RT	Rosemount 306 In-Line Manifold	8	$	$
36	KPSI	705S13C0A005.00000 0.000C20050A	KPSI Series 705 Submersible Transmitter, 0 to 5 PSI	8	$	$
37	KPSI	330S13B0B150.00000 0.000B10350A	KPSI 320 Submersible Level Transmitter, 316 SS, 0 to 150 PSI	8	$	$
38	Any	N/A	DE chlorination Tablets, 45 lbs	6	$	$

39	Zenner	FHZ25S**-GV	High-Performance Hydrant Meter w/ Gate Valve, 22"L, Cubic Feet	2	$865.00	$1730.00
40	Koflo	QK-.5-3-V	½"NPT x3"L PVDF Chemical Injection Quill	8	$	$
41	Koflo	1000ML	PVC 1000mL calibration column, 16GPH, ¾" FNPT, 2-3/8"OD x 25" L	4	$	$
42	Sotera	SS460B	Electric drum mixing pump, 110VAC, 1/4HP Motor	6	$	$
43	BD	00382903029952	BD Disposable Syringe w/ Luer Lock Tip, 10 mL, Sterile	10	$	$
44	BD	00382903096572	BD Disposable Syringe w/ Luer Lock Tip, 3 mL, Sterile	15	$	$
45	Thermo Scientific	C146-0040	I-Chem Amber Glass Vials, 40 mL	10	$	$
46	DipStick Pro	F2637EA	6-ft Long Grease Trap & Tank Core Sampler	1	$	$
47	DipStick Pro	F2624EA	10-ft Long Grease Trap & Tank Core Sampler	1	$	$
48	DipStick Pro	F2633EA	18-ft Long Grease Trap & Tank Core Sampler	3	$	$
49	Bel-Art	F37807-000	Expandable Sample Dipper	3	$	$
50	Simple Green	2700000113008.00	Industrial Cleaner/Degreaser in a 55-gallon	3	$	$
					TOTAL SUM BID (1 THROUGH 50)	$6530.00

TOTAL PRICE WRITING IN WORDS Six Thousand Five Hundred Thirty Dollars & 0 cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature [signature] Title President Date 3/24/25

REQUEST FOR BIDS

ELECTRICAL COMPONENTS & MATERIALS

BID # 20250312-JL

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Jason Lane, Water Production Maintenance Supervisor
Phone (909)798-7502
jlane@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

REQUEST FOR BIDS

WATER & WASTEWATER TREATMENT PLANT CHEMICALS

BID # 20250312-PM(6)

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Paul Mariscal, Water Utility Manager
Phone (909)798-7502
pmariscal@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00 am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

ABCO DEVELOPMENT CORP.
PO BOX 70220
LOS ANGELES, CA 90070



BID# 2-250312-PM(6)

City of Redlands, Municipal Utilities and Engineering Department
35 Cajon Street Ste. 15A, Redlands, CA 92373
Attn: Paul Mariscal, Water Utility Manager

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ NO BID	$ NO BID
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ 8.22	$ 14,796.-
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ 3.89	$ 17,505.-
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ 5.00	$ 10,000.-
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ 18.72	$ 56,160.-
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ 52.40	$ 2,882.-
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ NO BID	$ NO BID
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ 17.87	$ 10,722.-

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ 5.50	$ 27,500.-
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ 5.00	$ 25,000.-
					BID TOTAL (Lines 1 through 10)	$ 164,565.-

TOTAL PRICE WRITING IN WORDS ONE HUNDRED SIXTY FOUR THOUSAND FIVE HUNDRED SIXTY FIVE Dollars.

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature _____ Title PRESIDENT Date 3/25/25

california water technologies LLC

8851 Dice Road
Santa Fe Springs, CA 90670-2515

Executive Summary:

Account Manager – Jeremy Rosenfeld:

Main contact person for all inquiries regarding Ferric Chloride contract and supply services.

Plant Manager – David Clark:

Plant supervision includes overseeing manufacturing, transportation, engineering, quality, EHS and customer service.

Director of Sales – Tatyana Lipanovich:

Sales management. Authorized to sign customers supply contracts and renewals.

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write **"No Bid" on line items you will not** be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ NO BID	$ NO BID
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ NO BID	$ NO BID
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ NO BID	$ NO BID
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ NO BID	$ NO BID
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ NO BID	$ NO BID
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ NO BID	$ NO BID
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ NO BID	$ NO BID
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ NO BID	$ NO BID

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ 3.14	$ 235,500.00
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ NO BID	$ NO BID
				BID TOTAL (Lines 1 through 10)		$ 235,500.00

TOTAL PRICE WRITING IN WORDS Two Hundred Thirty Five Thousand Five Hundred Dollars and Zero Cents

CONTRACT TERM (Please Complete)

The City may ☑ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☑ two ☐ three ☐ additional year(s).

Signature _____ Title Director of Sales of member, PVS Technologies, Inc. Date March 19, 2025

City of Redlands
Paul Mariscal, Water Utility Manager
Supply and Delivery of Sodium Hypochlorite 12.5% NSF 60 Product

March 26, 2025

At HASA we manufacture our own products for treating, Fresh Water, Wastewater Treatment, Cooling Towers and Recreational Water. Our goal is to provide the best quality products safely and consistently to our customers in an effective and timely manner. We have been in business since 1964 based in Saugus, CA. and produce our products 24 hours prior to delivery. We will deliver products from our four site locations in Southern CA. To specifically address our Quality Service standards, we have briefly addressed each commitment as it applies to HASA, Inc.'s product and safety standards for our customer base.

1. On-time deliveries:
    a. HASA owns and operates its fleet of delivery vehicles and employs our own drivers. This allows us the flexibility to adjust to limitations that exist in external transportation market and utilize internal resources to ensure consistent and on-time deliveries to our customers. We are the only company that delivers our products with a (2) man team, to ensure safe deliveries for our customers and your student body and guest.
2. Timely response:
    a. We have four dedicated facilities in Southern California focused on supplying our customers with their water treatment chemical needs. With other sites in No. CA., Washington, Arizona, and Texas serving (11) states in the West.
    b. We maintain a personalized industrial account sales manager for each region dedicated to providing accurate, dependable, and expedient communication with our customers. As your representative, I am local in the market.
3. Quality as specified:
    a. Our production facilities adhere to internal production standards that maintain consistent and uniform product quality standards. These internal production metrics conform with NSF 60 and AWWA B300 standards. Supporting documentation upon request.
    b. HASA manufactures, ships, and delivers our products in a tight timeline to ensure product arrives to the customer in pristine condition.
4. Customer satisfaction
    a. By emphasizing cooperative partnerships with our customers HASA, Inc. consistently strives to raise the level of our customer satisfaction.

We look forward to continuing our long-term partnership with City of Redlands. If there are any specific questions or concerns, please contact me via email or by phone at 661-749-3698.

Sincerely.

Phil Flores

Phillip Flores
Industrial Sales, Southern California
philflores@hasa.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

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Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ N/A	$
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ 3.99	$ 7182.00
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ 2.30	$ 10,350.00
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ N/A	$
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ N/A	$
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ N/A	$
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ N/A	$
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ N/A	$

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ N/A	$
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ 2.30	$ 11,500.00
					BID TOTAL (Lines 1 through 10)	$ 29,032.00

TOTAL PRICE WRITING IN WORDS Twenty Nine Thousand Thirty Two Dollars / Zero Cents

CONTRACT TERM (Please Complete)

The City may ☑ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☑ additional year(s).

Signature Ken Ward Title CFO Date 3/25/2025

March 21, 2025

City of Redlands
Office of the City Clerk
35 Cajon Street, Suite 4
Redlands, CA 92373
Attn: Paul Mariscal, Water Utility Manager

Via Fedex

Re: **Request For Bids Water & Wastewater Treatment Plant Chemicals**
BID # 20250312-PM(6)

Due Date: **Wednesday, March 26, 2025 @ 10:00 A.M.**

Dear Paul Mariscal:

Enclosed please find our sealed bid for your Sodium Hypochlorite and Chlorine Gas business.

Please do not hesitate to contact me should you have any questions.

Thank you.

Cris Blomgren
Sales Coordinator / Office Manager
JCI Jones Chemicals Inc.
1401 Del Amo Blvd.
Torrance, CA 90501
310-523-1629 Ext. 261
310-523-2944 Fax
cblomgren@jcichem.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	Price includes California Mill Assessment, Plus Sales Tax, No Deposit $ 1.425/Lb	$ 5,700.00
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ No Bid	$ No Bid
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	Price includes California Mill Assessment, Plus Sales Tax $ 1.74/Gal	$ 7,830.00
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ No Bid	$ No Bid
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ No Bid	$ No Bid
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ No Bid	$ No Bid
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ No Bid	$ No Bid
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ No Bid	$ No Bid

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ No Bid	$ No Bid
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	Price includes California Mill Assessment, Plus Sales Tax $ 1.74/Gal	$ 8,700.00
					BID TOTAL (Lines 1 through 10)	$ 22,230.00

TOTAL PRICE WRITING IN WORDS Twenty-Two Thousand Two Hundred Thirty Dollars and 00/100 Cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Jim Ron Title Vice President Date March 21, 2025

Kemira
Executive Summary

Your account manager is Brett Offerman, Sr. Account Manager. Brett has extensive experience providing technical sales assistance relating to the use of iron products. Brett can be reached by phone at (805) 444-4486 or email at brett.offerman@kemira.com.

Contract management is handled by the Commercial Support team. Christina Imbrogno is the Commercial Support Manager. Commercial Support can be reached by phone at (785) 842-7424 or email at kwsna.bids@kemira.com.

Ordering and delivery scheduling is handled by Customer Service. They can be reached by phone at (800) 927-3950. This is also the emergency number for assistance after hours. During normal business hours you can email Customer Service at IW-CustomerService@kemira.com

We will renew our City of Redlands business license if awarded.

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ NO BID	$ NO BID
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ NO BID	$ NO BID
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ NO BID	$ NO BID
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ NO BID	$ NO BID
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ NO BID	$ NO BID
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ NO BID	$ NO BID
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ NO BID	$ NO BID
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ NO BID	$ NO BID

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ 2.95	$ 221,250.00
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ NO BID	$ NO BID
				BID TOTAL (Lines 1 through 10)		$ 221,250.00

TOTAL PRICE WRITING IN WORDS Two hundred twenty one thousand two hundred fifty dollars and zero cents

CONTRACT TERM (Please Complete)

The City may ☑ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☑ two ☐ three ☐ additional year(s).

Signature _____ Title Commercial Support Manager Date 3/19/25

NALCO Water
An Ecolab Company

1601 W. DIEHL ROAD
NAPERVILLE, IL 60563-1198

March 24, 2025

City of Redlands
Office of the City Clerk
35 Cajon Street, Suite 4
Redlands, CA 92373

To Whom It May Concern,

In response to your invitation to bid, 20250312-PM(6), Supply and Delivery of Water Treatment Chemicals, Nalco Company LLC is offering our 8102 PLUS product. As requested in the bid, please see the references listed below:

Reference #1

Customer	Anheuser Busch – Van Nuys 15800 Roscoe Blvd, Van Nuys, VA 91406
Contact	Alex Burke – Assistant Brewmaster (636) 328-5081
Project Relationship	Oversees daily production of 1.1MMGPD permeate water for brewing process. Supervisor for the on-site RO membrane treatment program.
Service Provided	Supply of antiscalant, chlorine scavenger, 3DTrasar automation, service visits, analytical services (water/membrane), water hygiene testing, safety training, project improvement and RO performance support.
Personnel	Julian Smith, Haris Razvi, Nalco Water ITCs
Project Status	Ongoing
Fees Paid	$155K/YR

Reference #2

Customer	CDM Smith 810 Flower Ave, Glendale, CA 91201
Contact	Charles Cron – Plant Manager 562-755-0905
Project Relationship	Oversees daily process for 7 MMGPD well water for treatment and remediation.

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$	$ NO BID
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$	$ NO BID
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$	$ NO BID
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$	$ NO BID
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal) Nalco 8102 plus	Per Gal.	3,000 gal	$1.03 per pound	$ 27,090.00 per delivery
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$	$ NO BID
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$	$ NO BID
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$	$ NO BID

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$	$ NO BID
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$	$ NO BID
					BID TOTAL (Lines 1 through 10)	$

TOTAL PRICE WRITING IN WORDS

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☒ two ☒ three ☐ additional year(s).

Signature [signature] Title District Representative Date 3/24/26

PO Box 600 San Felipe, Texas 77473
(979) 885-0005 Fax: (979) 885-3208

Company Overview

Pencco Inc.
Corporate address: 831 Bartlett Rd, Sealy, Texas 77474
Mailing address: PO Box 600, San Felipe, Texas, 77473

Pencco, Inc. is a Texas Corporation established in 1984. Pencco has manufactured and delivered water and wastewater treatment solutions to customers for over fourty years. Our product formulations and quality control are custom engineered to meet customer specifications. Our services include delivery systems, monitoring, site maintenance, inventory management and reporting. Originally based in South-Central U.S., Pencco expanded its operations to serve the North American market with the same level of product quality and customer care. Pencco has also been an authorized hydrofluorosilicic acid distributor since 1999.

Manufacturing Facilities:

- Vernon, CA
- Bardwell, TX
- Three Rivers, TX
- Sealy, TX
- Middlesex, NC

Rail Distribution Terminals:

- Willow Springs, IL
- Middlesex, NC
- Ennis, TX
- Sealy, TX
- Bardwell, TX
- Stockton, CA
- Whippany, NJ
- Buckeye, AZ
- Whippany, NJ
- Gadsden, AL

We produce and/or distribute:

- Ferric Sulfate
- Ferrous Sulfate
- Fluorosilicic Acid
- Ferric Chloride
- Ferrous Chloride
- Poly Ferric Sulfate
- Hydrogen Peroxide
- Liquid Ammonium Sulfate
- SULFeND®
- Calcium Nitrate
- Sodium Chlorite

We have 165 employees. Our key personnel include:

- Owner/President & Chemical Engineer – R. L. Horne
- COO – Mel Blaine

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ no bid	$ no bid
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ no bid	$ no bid
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ no bid	$ no bid
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ no bid	$ no bid
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ no bid	$ no bid
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ no bid	$ no bid
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ no bid	$ no bid
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ no bid	$ no bid

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ 2.97	$ 14,850
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ no bid	$ no bid
					BID TOTAL (Lines 1 through 10)	$ 14,850

TOTAL PRICE WRITING IN WORDS

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Jennifer Guajardo Title Bid Supervisor Date 3-19-25

Jennifer Guajardo

16290 Katy Freeway, Suite 600, Houston, TX 77094
Phone: 423/336-4850 • Fax: 423/336-4682
Internet Address: www.olinchloralkali.com

The following is some general information on Olin's qualifications as a preferred supplier of water treatment chemicals.

General Company Information

a. Olin Corporation was started in 1892 as an ammunition and arms manufacturer. It merged with Mathieson Chemicals in 1954 and acquired Pioneer (chlor-alkali) in mid 2007.
b. Olin consists of multiple divisions. Olin Chlor Alkali Products and Vinyls, Epoxys are the chemicals divisions and Winchester is an ammunitions division.
c. Chemicals is the largest division at Olin and we are:
    - #1 Chlor alkali manufacturer in the world.
    - #1 supplier of merchant chlorine in North America.
    - #1 producer of industrial bleach (sodium hypochlorite) in North America.
    - #1 supplier of water treatment chemicals to Municipalities in the Western U.S.
d. Olin Corporation does about $6.5 billion in annual sales. We have seven chlor-alkali facilities, eleven bleach plants and about 7,000 employees.
e. Olin's corporate offices are in Houston, TX and the chemicals division is based in Cleveland, TN. We have three sales account managers in the West.
f. We supply our products to hundreds of the largest industrial and municipal customers and chemical distributors in North America. We own or lease much of our logistics and transportation equipment and when necessary, contract with the safest and most reliable regional carriers.

Marketing

a. Olin advertises in industry publications and has a website at www.olinbleach.com. We have a seasoned professional sales force based in major metropolitan markets throughout North America calling on all customers of our products.

Technical Expertise and Local Support

a. We sell both directly to chemical end users, formulators and also through major international distributors. Our network of production facilities are strategically located in or near those regions of the country highly dependent upon our products. We are very focused on and highly committed to safety, service and product quality in all that we do in working with our local communities and customers.
b. Olin is the largest supplier to the Municipal water and wastewater market segment in the West. We have three production facilities supplying the major CA market and supply over 60% of the water treatment chemicals used in the West. We can reach most customers by rail and truck and can switch between modes temporarily if necessary due to unforeseen incidences or natural disasters.
c. We have dedicated Customer Support representatives available to help our customers 24/7. We have local Technical Service representatives in the field to provide safety training and technical advice on all aspects of our products. This personalized service and technical support are included in the prices of all our products.

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ 0.00	$ No Bid
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ 0.00	$ No Bid
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks) 12 * 4,500 = 54,000	Per Gal.	4,500 gal	$ 2.219	$ 119,826.00
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ 0.00	$ No Bid
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ 0.00	$ No Bid
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ 0.00	$ No Bid
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ 0.00	$ No Bid
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ 0.00	$ No Bid

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ 0.00	$ No Bid
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month) 40 * 4,500=180,000	Per Gal.	5,000 gal	$ 2.219	$ 399,420.00
					BID TOTAL (Lines 1 through 10)	$ 519,246.00

TOTAL PRICE WRITING IN WORDS

CONTRACT TERM (Please Complete)

The City may [X] or may not [ ] exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one [X] two [ ] three [ ] additional year(s).

Signature J.R. Kesley Title NA Product & Municipality Manager, Bleach Date 03-24-2025

EXECUTIVE SUMMARY

The following is a proposal submitted by Polydyne Inc. to the City of Redlands for the supply of polymer. Polydyne Inc.'s goal is to supply the City of Redlands with the most effective polymer products at the most competitive prices.

Polydyne Inc. is a wholly owned subsidiary of SNF Holding Company. Both entities are Delaware corporations. Polydyne Inc. is the largest supplier of water-soluble polymers to the municipal market in the United States. Polymers are manufactured in nine separate manufacturing facilities strategically placed across the United States. We are a fully integrated manufacturing company and produce several of our key raw materials. Polydyne Inc. is also the only polymer supplier that offers a full range of polymer i.e. powders, emulsion and solutions. Worldwide our company has been in operation for over 30 years.

Polydyne Inc.'s exclusive charter is to be the direct marketing organization for all SNF Holding Company produced products, to the municipal market, in the United States, particularly those requiring "Manufacturer Only".

The polymers that Polydyne Inc. intends to bid for this contract are manufactured at our Riceboro, GA facility and our Los Angeles, CA facility. The products for the City of Redlands will be maintained in inventory and delivered via common carriers to ensure available delivery resources when shipment is requested.

Polydyne Inc. maintains a sales force of 28 polymer experts to provide customers with technical assistance with polymer applications as well as continuous product optimization. Polydyne Inc.'s Technical Representative for this contract is Olawale "Wale" Igbekoyi, and Rawlin Castro, Regional Sales Manager. Mr. Igbekoyi and Mr. Castro have over 30 years combined experience in polymer sales.

Olawale "Wale" Igbekoyi, Technical Sales Representative
Anaheim, CA 92804
Ph.: (661) 803-2466
E-mail: oigbekoyi@polydyneinc.com

If I may be of any further assistance, or if you have any questions, please contact me at (800) 848-7659 Opt. 2.

Boyd Stanley, Sr. Vice-President

March 20, 2025
Date

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ No Bid	$
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$No Bid	$
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ No Bid	$
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ No Bid	$
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal) CLARIFLOC C-308P	Per Gal.	3,000 gal	$ 7.31/Gal.*	$ 21,930.00
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)CLARIFLOC A-6330 CLARIFLOC A-210P	Per Gal.	55 gal	$11.352/Gal.**	$ 624.36
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months) CLARIFLOC A-6320	Per Gal.	55 gal	$11.094/Gal.***	$ 610.17
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ No Bid	$

* Item # 5 - ($0.85/Lb. x 8.6 Lbs./Gal. = $7.31/Gal.)
** Item # 6 - ($1.29/Lb. x 8.8 Lbs./Gal. = $11.352/Gal.)
*** Item # & - ($1.29/Lb. x 8.6 Lbs./Gal. = $11.094/Gal.)

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ No Bid	$
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ No Bid	$
					BID TOTAL (Lines 1 through 10)	$ 23,164.53

TOTAL PRICE WRITING IN WORDS Twenty Three Thousand One Hundred Sixty-Four Dollars and Fifty-Three Cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Boyd Stanley Title Sr. Vice-President Date 3/20/25

Boyd Stanley

solenis.com

EXECUTIVE SUMMARY

VENDOR INFORMATION

Solenis LLC
Emergency Phone (24 hours/7 days a week) 1-844-SOLENIS
Fed ID # 46-56-83681
DUNS# 07-943-6434

REMIT ADDRESS

Solenis LLC
PO Box 116232
Atlanta, GA 30368

ADMINISTRATIVE ADDRESS

Solenis LLC
2475 Pinnacle Drive
Wilmington, DE 19803

PLANT ADDRESSES

Solenis LLC
2401 Doyle Street
Greensboro, NC 27406

Solenis LLC
2301 Wilroy Road
Suffolk, VA 23434

BID & CONTRACT CONTACT

CHELSEA VAUGAHN-BURNS
2475 Pinnacle Drive
Wilmington, DE 19803
Phone: 302-502-0802
Bidders@solenis.com
CVAUGHANBURNS@solenis.com

TECHNICAL REPRESENTATIVE

DANE MARCELLETTI
Authorized Agent
California Environmental
Phone: 805-660-8345
dane@ced.biz

ORDERING & CUSTOMER SERVICE REPRESENTATIVE

MARGARET BOINS
Customer Service Representative
Phone: 866-878-4137
Fax: 888-606-6668
IWTCustomerService@solenis.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ NO BID	$ NO BID
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ NO BID	NO BID $
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ NO BID	$ NO BID
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ NO BID	$ NO BID
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal) ($1.10/lb)	Per Gal.	3,000 gal	$ 9.54/GAL	$ 28,620.00
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months) ($1.62/LB)	Per Gal.	55 gal	$ 14.45/GAL	$ 794.75
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months) ($1.46/LB)	Per Gal.	55 gal	$ 12.65/GAL	$ 695.75
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ NO BID	$ NO BID

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ NO BID	$ NO BID
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ NO BID	$ NO BID
					BID TOTAL (Lines 1 through 10)	$ 30,110.50

TOTAL PRICE WRITING IN WORDS Thiry Thousand, One Hundred Ten Dollars and Fifty Cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Wendy S Mueller Title Regional Pricing Director Date 3/24/2025

THATCHER COMPANY OF NEVADA, INC.
90 Business Center Street, Henderson, NV 89014

CHEM

Phone (702) 564-7622
Fax (702) 564-2818

March 21, 2025

City of Redland, CA

EXECUTIVE SUMMARY

The City of Redlands will be supported by a team of four individuals to support the needs of municipality.

Account Manager: Tyler Anderson is the Account Manager and responsible for the day to day responsibilities of the municipality. Tyler manages a $90M municipal business that includes numerous products required for our municipal customers nationally. These products include all of the products that we produce to include sodium hypochlorite, packaged chlorine, sodium bisulfite, corrosion inhibitors, inorganic coagulants, odor control neutralizers, and other disinfectants. In addition, Tyler manages our distributed products to include soda ash, HFS, oxidizers and pH modifiers. Tyler is the primary contact for the City of Redlands for all communications and needs.
Tyler Contact: Tyler Andersen Tyler.Andersen@tchem.com

Dispatcher: Jennifer Alvarado is the dispatcher that will support all deliveries to the City of Redlands. Jennifer is located in Henderson, NV and has 2 years experience managing all of the municipal deliveries in Southern California.
Jennifer Contact: Jennifer Alvarado Jennifer.Alvarado@tchem.com

Technical Contact: Paul Barrera is our technical representative for all municipalities nationally. Paul has over 30 years of experience in water and wastewater treatment and is skilled in all municipal applications. Paul is available for technical and training assistance as necessary to support the City of Redlands.
Paul Contact: Paul Barrera Paul.Barrera@tchem.com

Back-up Support: Kyle Peterson is an additional resource available for the City of Redlands in case of orders, logistics, technical, or product support requirements.
Kyle Contact: Kyle Peterson Kyle.Peterson@tchem.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ 1.3625	$ 5,450.00
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ No Bid	$ Not Applicable
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ No Bid	$ Not Applicable
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ No Bid	$ Not Applicable
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ No Bid	$ Not Applicable
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ No Bid	$ Not Applicable
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ No Bid	$ Not Applicable
8	Citric Acid 50% (WW)	13 times per year (delivery 1–1.5 times a month)	Per Gal.	600 gal	$ No Bid	$ Not Applicable

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ No Bid	$ Not Applicable
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ No Bid	$ Not Applicable
					BID TOTAL (Lines 1 through 10)	$ 5,450.00

TOTAL PRICE WRITING IN WORDS Five thousand four hundred fifty dollars and zero cents

NOTE: *Appendices A and B form part of our proposal.*

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature _____ Title _____ Date March 21, 2025

Michael T. Mitchell — President

Univar Solutions USA LLC.
8201 S. 212th
Kent, WA 98032-1994
USA

T 253-872-5040
F 253-572-5041
www.univarsolutions.com

Univar Solutions
Innovate. Grow. Together.

March 19, 2025

City of Redlands
City Clerk
35 Cajon St, Suite 4
Redlands, CA 92373

RE: Bid No. 20250312-PM (6) Water & Wastewater Treatment Plant Chemicals

Dear Purchasing:

Univar Solutions USA LLC. is pleased to offer a price quote on your ITB due Wednesday, March 26, 2025, and has done so on the attached required paperwork.

Our contact information for all things bid and contract related, as well as the information for your local branch, is also attached.

We look forward to hearing the results of your request – we have included a self-addressed, stamped envelope for the bid tabulations.

Thank you,

Jennifer Perras
Sr. Municipal Bid Specialists
Western Region
Univar Solutions USA LLC.
Muniteam-west@univarsolutions.com
www.univarsolutions.com

Please Note: Where applicable, any State, Federal or other appropriate taxes and/or the California Mill Assessment will appear as separate line items on any invoices from Univar. If Univar's offer (pricing) was inclusive of these charges – they will be backed out of the "product" line item and shown as their own line item(s) at the time of billing.

Please Note: Cooperative Purchasing/Contract Piggy-Back Clauses: Unless otherwise checked "yes" within the attached offer, it is Univar's standard policy NOT to agree to/participate in Cooperative Purchasing but rather to work with each individual agency and reach a pricing agreement that is based on their needs and is advantageous for both parties. Unless otherwise noted within the attached offer – pricing within is only applicable for the locations (and any potential locations) listed within these bid documents.

PART 4
PRICE AND FEE BID
BID # 20250312-PM(6)
Water & Wastewater Treatment Plant Chemicals

Award will be made to the lowest responsive and responsible bidder per line item unit cost and where applicable specimen approved. Bid line items your company intends to bid and write "No Bid" on line items you will not be bidding to complete the bid table. Usage varies throughout the year(s), therefore estimated quantities used, (see page 18, item 9. INTENT OF CONTRACT (b) ANNUAL CONTRACTS).

Item No.	A. Description	B. Delivery Frequency	C. Units	D. Quantity Per Delivery	E. Unit Price	F. Extended Price (D*E)
1	Chlorine Gas	40 Ton cylinders per year (Delivery approx. twice per month)	Per Lb.	4000 lb	$ 0.00	$ No Bid
2	Sodium Hypochlorite 12.5% mini-bulk (Water)	20 times per year (delivery to 13 well sites, summer every 2 weeks, winter every month, average delivery per site 150-200 gallons (see Exhibit "A" page 23)	Per Gal.	1,800 gal	$ 3.36	$ 120,960.00
3	Sodium Hypochlorite 12.5% (Water)	12 times per year (delivery approx. 3 – 5 weeks)	Per Gal.	4,500 gal	$ 2.49	$ 134,460.00
4	Sodium Hydroxide 50% (Water)	2 times per year (delivery every other month)	Per Gal.	2,000 gal	$ 2.63	$ 10,520.00
5	Praestol 186KH polymer or City approved equal (Water)	4 times per year (1 delivery every 3 months-bulk delivery 3,000 gal)	Per Gal.	3,000 gal	$ 0.00	$ 0.00 No Bid
6	Praestol A 3040 LTR FLOCCULANT or City approved equal (Water)	36 drums per year (delivery 6 drums every 2 months)	Per Gal.	55 gal	$ 0.00	$ 0.00 No Bid
7	Praestol A 3010 LTR FLOCCULANT or City approved equal (Water)	12 drums per year (delivery 4 drums every 4 months)	Per Gal.	55 gal	$ 0.00	$ 0.00 No Bid
8	Citric Acid 50% (WW)	13 times per year (delivery 1– 1.5 times a month)	Per Gal.	600 gal	$ 7.47	$ 58,266.00

9	Ferric Chloride Solution (39-42%) (WW)	15 times per year (delivery approx. 1 – 1.5 times a month)	Per Gal.	5,000 gal	$ 0.00	$ 0.00 No Bid
10	Sodium Hypochlorite 12.5% (WW)	40 times per year (delivery approx. 2– 3.5 times per month)	Per Gal.	5,000 gal	$ 2.49	$ 498,00.00
					BID TOTAL (Lines 1 through 10)	$ 782,894.30

TOTAL PRICE WRITING IN WORDS Seven hundred eighty-two thousand, eight hundred ninety-four dollars and thirty cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s). We can't renew at the same price, we would have to look at the current market conditions.

Signature _____ Title Sr. Municipal Bid Specialist Date 3/19/2025

REQUEST FOR BIDS

WATER DISTRIBUTION SAND & BASE AGGREGATE

BID # 20250312-AC(2)

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Aaron Canedo, Water Distribution Superintendent
Phone (909)798-7502
acanedo@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00 am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

BIDDER CERTIFICATION	
WATER DISTRIBUTION SAND & BASE AGGREGATE	
Submit To: City of Redlands	
Office of the City Clerk 35 Cajon Street, Suite 4 Redlands, CA 92373	**City of Redlands** **Request for Bid (RFB Certification And Addenda Acknowledgment)**

DUE DATE:	DUE TIME:	REQUEST FOR BID
Wednesday March 26, 2025	10:00 am	#20250312-AC(2)

BIDDER NAME:	PHONE NUMBER:
ALL AMERICAN ASPHALT	951-736-7600
BIDDER MAILING ADDRESS:	**FAX NUMBER:**
PO BOX 2229	951-739-4671
CITY/STATE/ZIP	**E-MAIL ADDRESS:**
CORONA, CA 92878	publicworks@allamericanasphalt.com

"I, the undersigned, certify that I have reviewed the addenda listed below (list all addenda received to date). I understand that timely commencement will be considered in award of this REQUEST FOR BID and that cancellation of award will be considered if commencement time is not met, and that untimely commencement may be cause for assessment of liquidated damages claims. I further certify that the services will meet or exceed the REQUEST FOR BID requirements. I, the undersigned, declare that I have carefully examined the REQUEST FOR BID, specifications, terms and conditions as applicable for this Request, and that I am thoroughly familiar with all provisions and the quality and type of coverage and services specified. I further declare that I have not divulged, discussed, or compared this REQUEST FOR BID with any other Offer or and have not colluded with any offertory or parties to a REQUEST FOR BID whatsoever for any fraudulent purpose."

N/A				
Addendum #	Addendum #	Addendum #	Addendum #	Addendum #

"I certify that this quote is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting an REQUEST FOR BID for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this REQUEST FOR BID and certify that I am authorized to sign this response and that the offer is in compliance with all requirements of the REQUEST FOR BID, including but not limited to certification requirements. In conducting offers with an agency for the City of Redlands respondent agrees that if this bid is accepted, the respondent will convey, sell, assign, or transfer to the City all rights, title and interest in and to all causes of action it may now or hereafter acquire under the anti-trust laws of the United States for price fixing relating to the particular commodities or services purchased or acquired by the City. At the City's discretion, such assignment shall be made and become effective at the time the purchasing agency renders final payment to the respondent."

Edward J Carlson - Vice President		3-25-2025
Authorized Bidder Name, Title (Print)	Authorized Signature	Date

This form must be completed and returned with your Submittal

PART 4
PRICE AND FEE BID
BID # 20250312-AC(2)
WATER DISTRIBUTION SAND & BASE AGGREGATE

Award will be made to the overall lowest responsive and responsible bidder.

Item No.	Description	A. Price Per Ton	B. Estimated quantity per year	Total (A*B)
1	Washed Utility Sand. Price shall include but not limited to all taxes, fees, delivery, and fuel surcharges.	$ 36.25	800	$ 29,000.00
2	Cold mix 3/8 SC8. Price shall include but not limited to all taxes, fees, d delivery, and fuel surcharges.	$ 132.25	500	$ 66,125.00
3	Crushed Aggregate Base. Price shall include but not limited to all taxes, fees, delivery, and fuel surcharges.	$ 37.87	1000	$ 37,870.00
			BID TOTAL (LINES 1 THROUGH 3)	$ 132,995.00

TOTAL PRICE WRITING IN WORDS One Hundred Thirty Two Thousand Nine Hundred Ninety Five Dollars and zero cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature _____ Title VICE PRESIDENT Date 3-25-2025

EDWARD J CARLSON

Executive Summary

Mike Ortega will be the account manager his responsibilities will include producing hot mix materials, product delivery and interfacing with the City on all matters relating to quality control, production and delivery. Mike Ortega has over seventeen years of experience in this field.

In addition to Mike Ortega, John Velez will assist in interfacing with the City as it relates to delivery and production.

PART 4
PRICE AND FEE BID
BID # 20250312-AC(2)
WATER DISTRIBUTION SAND & BASE AGGREGATE

Award will be made to the overall lowest responsive and responsible bidder.

Item No.	Description	A. Price Per Ton	B. Estimated quantity per year	Total (A*B)
1	Washed Utility Sand. Price shall include but not limited to all taxes, fees, delivery, and fuel surcharges.	$ N/B	800	$ N/B
2	Cold mix 3/8 SC8. Price shall include but not limited to all taxes, fees, d delivery, and fuel surcharges.	$ 145.70	500	$ 72,850.00
3	Crushed Aggregate Base. Price shall include but not limited to all taxes, fees, delivery, and fuel surcharges.	$ N/B	1000	$ N/B
			BID TOTAL (LINES 1 THROUGH 3)	$ 72,850.00

TOTAL PRICE WRITING IN WORDS Seventy-two thousand Eight hundred Fifty dollar & 00/—

CONTRACT TERM (Please Complete)

The City may ☑ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☑ two ☐ three ☐ additional year(s).

Signature _____ Title President Date March 25, 2025

West Coast Sand & Gravel

BIDDER CERTIFICATION	
WATER DISTRIBUTION SAND & BASE AGGREGATE	
Submit To: City of Redlands Office of the City Clerk 35 Cajon Street, Suite 4 Redlands, CA 92373	**City of Redlands** **Request for Bid (RFB Certification And Addenda Acknowledgment)**

DUE DATE:	DUE TIME:	REQUEST FOR BID
Wednesday March 26, 2025	10:00 am	#20250312-AC(2)

BIDDER NAME:	PHONE NUMBER:
Jonathan Nuesse	714-522-0282
BIDDER MAILING ADDRESS:	**FAX NUMBER:**
P.O. Box 5067	714-562-2758
CITY/STATE/ZIP	**E-MAIL ADDRESS:**
Buena Park, Ca 90622	sales@wcsg.com

"I, the undersigned, certify that I have reviewed the addenda listed below (list all addenda received to date). I understand that timely commencement will be considered in award of this REQUEST FOR BID and that cancellation of award will be considered if commencement time is not met, and that untimely commencement may be cause for assessment of liquidated damages claims. I further certify that the services will meet or exceed the REQUEST FOR BID requirements. I, the undersigned, declare that I have carefully examined the REQUEST FOR BID, specifications, terms and conditions as applicable for this Request, and that I am thoroughly familiar with all provisions and the quality and type of coverage and services specified. I further declare that I have not divulged, discussed, or compared this REQUEST FOR BID with any other Offer or and have not colluded with any offertory or parties to a REQUEST FOR BID whatsoever for any fraudulent purpose."

Addendum # _____ Addendum # _____ Addendum # _____ Addendum # _____ Addendum # _____

"I certify that this quote is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting an REQUEST FOR BID for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this REQUEST FOR BID and certify that I am authorized to sign this response and that the offer is in compliance with all requirements of the REQUEST FOR BID, including but not limited to certification requirements. In conducting offers with an agency for the City of Redlands respondent agrees that if this bid is accepted, the respondent will convey, sell, assign, or transfer to the City all rights, title and interest in and to all causes of action it may now or hereafter acquire under the anti-trust laws of the United States for price fixing relating to the particular commodities or services purchased or acquired by the City. At the City's discretion, such assignment shall be made and become effective at the time the purchasing agency renders final payment to the respondent."

JONATHAN NUESSE Supervisor		3/21/25
Authorized Bidder Name, Title (Print)	Authorized Signature	Date

This form must be completed and returned with your Submittal

PART 4
PRICE AND FEE BID
BID # 20250312-AC(2)
WATER DISTRIBUTION SAND & BASE AGGREGATE

Award will be made to the overall lowest responsive and responsible bidder.

Item No.	Description	A. Price Per Ton	B. Estimated quantity per year	Total (A*B)
1	Washed Utility Sand. Price shall include but not limited to all taxes, fees, delivery, and fuel surcharges.	$ 31.00	800	$ 24.800.00
2	Cold mix 3/8 SC8. Price shall include but not limited to all taxes, fees, d delivery, and fuel surcharges.	$ 125.00	500	$ 62.500.00
3	Crushed Aggregate Base. Price shall include but not limited to all taxes, fees, delivery, and fuel surcharges.	$ 28.75	1000	$ 28,750.00
			BID TOTAL. (LINES 1 THROUGH 3)	$ 116,050.00

TOTAL PRICE WRITING IN WORDS Onehendred sixteen thosand Fifty dollars & no/100

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature _____ Title Supervisor Date 3/21/25

REQUEST FOR BIDS

WATER DISTRIBUTION PARTS & MATERIALS

BID # 20250312-AC

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Aaron Canedo, Water Distribution Superintendent
Phone (909)798-7502
acanedo@cityofredlands.org

Date of Issue:
Thursday March 12, 2025

Due Date / Time:
Wednesday, March 26, 2025 @ 10:00am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

C. Wells
Pipeline Materials Inc.

Please find references below.

C. Wells has provided waterworks materials to all below and very proud to have all these current customers for over well over10 years.

Carlos B. De Leon
Project Coordinator
Utilities Department
P: (951) 817-5713 C: (951) 702-0338
755 Public Safety Way
Corona, CA 92878
Carlos.DeLeon@coronaca.gov

Todd Landen | Procurement and Contracts Adminstrator
RANCHO WATER | *Working for Our Community*
42135 Winchester Road, Temecula, CA 92590
Office: 951-296-6912
landent@ranchowater.com | ranchowater.com

WESTERN WATER
Powered by water Driven by service

TOP WORK PLACES 2023
INLAND NEWS GROUP

O: 951-789-5107
F: 951-789-5179 Tim Cazee tcazee@wmwd.com

Western Water - 16451 El Sobrante Rd, Riverside, CA 92503 |

wmwd.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacturer	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	11,125 $	11,125 $
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	22,360 $	$22,360
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$5,150	$5,150
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$8,230	$8,230
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$13,315	$13,315
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$14,180	$14,180
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$132	$264
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$202	$404
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$465	$930
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$525	$1050
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$756	$1512

12	Cla-Val	Pressure reducing repair kit. 20957485B	6" Buna-N repair kit	2	$445	$890
13	Cla-Val	Pressure reducing repair kit. 20957486A	8" Buna-N repair kit	2	$510	$1,020
14	Cla-Val	Pressure reducing repair kit. 20957487K	10" Buna-N repair kit	2	$740	$1,480
15	Cla-Val	Booster pump control kit. 20957465F	6" Buna-N repair kit	2	$422	$844
16	Cla-Val	Booster pump control kit. 20957466E	8" Buna-N repair kit	2	$700	$1400
17	Cla-Val	Booster pump control kit. 209574670	10" Buna-N repair kit	2	$723	$1446
18	Cla-Val	X141-PT Assembly.	X141-PT Pressure Transmitter	1	$801	$801
19	Cla-Val	X117H Assembly 4TP. 21417002K	4" X117H Valve Position Transmitter	1	$2040	$2040
20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$2040	$2040
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$2040	$2040
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$2460	$2460

BID TOTAL (LINES 1 THROUGH 22) $94,981

TOTAL PRICE WRITING IN WORDS NINETY FOUR THOUSAND NINE HUNDRED EIGHTY ONE DOLLARS

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and

conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Title SALES Date 3/19/2025

FERGUSON®

12500 Jefferson Ave
Newport News, VA 23602
757-874-7795

www.ferguson.com

To Whom it May Concern:

Effective March 31, 2019, Ferguson Enterprises, Inc. became Ferguson Enterprises, LLC (Ferguson). As a result of the name change, we would like to provide you with the most recent W-9 Form attached for your records.

This change for Income tax purposes requires the corporate income tax form the LLC to be reported under the parent company, now Ferguson US Holdings Inc (FUSHI). As a result of this change all federal documents, like W-9's and 1099s etc., are required to follow this rule and therefore, will show the parent company. At the time of the entity conversion Wolseley Investments Inc. (WII) was Fergusons parent company. Because of this federal W-9 requirement it was determined that we should also change the parent company name to Ferguson US Holdings, Inc. for consistency when providing W-9's to vendors. Effective May 2019, we changed the name of WII to Ferguson US Holdings, Inc.

Contracts and exemption certificates may still be under Ferguson Enterprises LLC since that is the company doing the business, however we are unable to provide a W-9 that allows Ferguson as the company on line 1 will the corresponding EIN. We can provide other backup from the IRS identifying Ferguson Enterprises LLC and its corresponding EIN of 54-1211771. Please find attached a copy of the IRS confirmation letter for Ferguson Enterprises LLC and its EIN. In addition, the W-9 does provide a section for disregarded entities & DBA's on line 2 which we have entered Ferguson Enterprises LLC to show the relationship.

If you have any questions, please feel free to contact me at ask.tax@ferguson.com.

Regards,

Jennier Pabon
Indirect Tax Manager
Ferguson Enterprises LLC

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacturer	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	$ 11,195.00	$ 11,195.00
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	$ 22,480.00	$ 22,480.00
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5,180.00	$ 5,180.00
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$ 8,275.00	$ 8,275.00
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$ 13,380.00	$ 13,380.00
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$ 14,260.00	$ 14,260.00
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$ 132.00	$ 264.00
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$ 202.00	$ 404.00
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$ 461.00	$ 922.00
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$ 526.00	$ 1052.00
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$ 768.00	$ 1,536.00

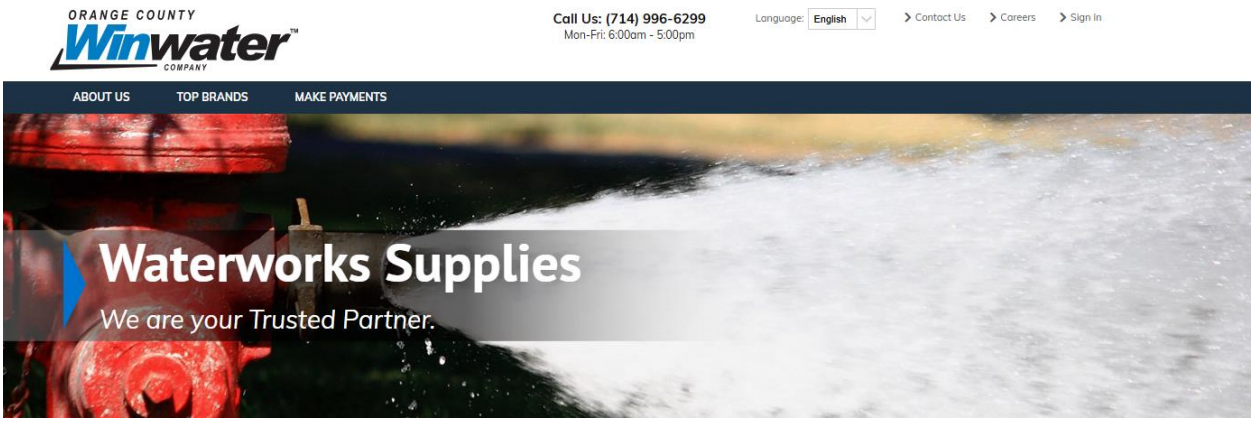
12	Cla-Val	Pressure reducing repair kit. 20957485B	6" Buna-N repair kit	2	$ 442.00	$ 884.00
13	Cla-Val	Pressure reducing repair kit. 20957486A	8" Buna-N repair kit	2	$ 507.00	$ 1,014.00
14	Cla-Val	Pressure reducing repair kit. 20957487K	10" Buna-N repair kit	2	$ 752.00	$ 1,504.00
15	Cla-Val	Booster pump control kit. 20957465F	6" Buna-N repair kit	2	$ 420.00	$ 840.00
16	Cla-Val	Booster pump control kit. 20957466E	8" Buna-N repair kit	2	$ 697.00	$ 1,394.00
17	Cla-Val	Booster pump control kit. 20957467D	10" Buna-N repair kit	2	$ 735.00	$ 1470.00
18	Cla-Val	X141-PT Assembly.	X141-PT Pressure Transmitter	1	$ 797.00	$ 797.00
19	Cla-Val	X117H Assembly 4TP. 21417002K	4" X117H Valve Position Transmitter	1	$ 2040	$ 2040
20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$ 2040	$ 2040
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$ 2040	$ 2040
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$ 2461	$ 2461
				BID TOTAL (LINES 1 THROUGH 22)		$ 95,432.00

TOTAL PRICE WRITING IN WORDS Ninety-five thousand four-hundred and thirty two dollars

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Mike Akins Title Municipal Sales Manager Date 3/24/25


ORANGE COUNTY
Winwater
COMPANY
Call Us: (714) 996-6299
Mon-Fri: 6:00am - 5:00pm
Language: English
Contact Us
Careers
Sign In
ABOUT US
TOP BRANDS
MAKE PAYMENTS
Waterworks Supplies
We are your Trusted Partner.

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

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1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	$ 10912.50	$ 10912.50
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	$ 21907.65	$ 21907.65
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5049.49	$ 5049.49
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$8066.33	$ 8066.33
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$13041.58	$ 13041.58
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$13897.19	$ 13897.19
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$129.90	$ 259.80
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$198.71	$ 397.42
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$ 453.87	$907.74
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$518.04	$ 1036.08
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$756.96	$ 1513.92

12	Cla-Val	Pressure reducing repair kit. 20957485B	6" Buna-N repair kit	2	$410.31	$ 820.62
13	Cla-Val	Pressure reducing repair kit. 20957486A	8" Buna-N repair kit	2	$499.48	$998.96
14	Cla-Val	Pressure reducing repair kit. 20957487K	10" Buna-N repair kit	2	$740.72	$ 1481.44
15	Cla-Val	Booster pump control kit. 20957465F	6" Buna-N repair kit	2	$413.66	$827.32
16	Cla-Val	Booster pump control kit. 20957466E	8" Buna-N repair kit	2	$687.37	$ 1374.74
17	Cla-Val	Booster pump control kit. 20957467D	10" Buna-N repair kit	2	$ 723.71	$ 1447.42
18	Cla-Val	X141-PT Assembly.	X141-PT Pressure Transmitter	1	$ 784.79	$ 784.79
19	Cla-Val	X117H Assembly 4TP. 21417002K	4" X117H Valve Position Transmitter	1	$1977.55	$1977.55
20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$1977.55	$ 1977.55
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$1977.55	$ 1977.55
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$2386.22	$2386.22
				BID TOTAL (LINES 1 THROUGH 22)		$ 93,043.86

TOTAL PRICE WRITING IN WORDS Ninety three thousand forty three dollars & eighty six cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature [signature] Title President Date 3/24/25

Western Water Works Supply Company

5831 Pine Ave
Chino Hills, CA 91709

City of Redlands
35 Cajon St. Ste 4
Redlands, CA 92373

Attn: LaWanda Butler

Re: Bid 20250312-PM Cla Val Products and Materials

Executive Summary:

Javier Casas will be the assigned Account Manager/CSR for the Cla Val annual supported by the Director of Sales Martin Michaelson. Javier will process the day to day requests for orders and provide additional support as a trusted advisor to make city personnel's jobs easier to ensure a timely response and accurate orders.

Our operations staff at our Chino location, lead by Regional Operations Supervisor Josh Serrano, AM Branch Manager Pascual Valadez and PM Branch Manager Roberto Casas will be responsible for pulling and checking material to confirm it meets the required specifications to ensure accurate orders and timely deliveries.

Regards,
Martin Michaelson
Martin Michaelson
Director of Sales
(909)630-6361
martin@wwwsco.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

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THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacturer	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	$ 10912.00	$ 10912.00
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	$ 21907.00	$ 21907.00
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5049.00	$ 5049.00
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$ 8066.00	$ 8066.00
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$ 13041.00	$ 13041.00
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$ 13897.00	$ 13897.00
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$ 128.60	$ 257.20
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$ 196.00	$ 392.00
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$ 449.00	$ 898.00
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$ 512.00	$ 1024.00
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$ 749.00	$ 1498.00

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1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	$ 10912.00	$ 10912.00
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	$ 21907.00	$ 21907.00
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5049.00	$ 5049.00
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$ 8066.00	$ 8066.00
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$ 13041.00	$ 13041.00
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$ 13897.00	$ 13897.00
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$ 128.60	$ 257.20
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$ 196.00	$ 392.00
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$ 449.00	$ 898.00
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$ 512.00	$ 1024.00
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$ 749.00	$ 1498.00

12	Cla-Val	Pressure reducing repair kit. 20957485B	6" Buna-N repair kit	2	$431.70	$863.40
13	Cla-Val	Pressure reducing repair kit. 20957486A	8" Buna-N repair kit	2	$494.00	$988.00
14	Cla-Val	Pressure reducing repair kit. 20957487K	10" Buna-N repair kit	2	$733.00	$1466.00
15	Cla-Val	Booster pump control kit. 20957465F	6" Buna-N repair kit	2	$409.50	$819.00
16	Cla-Val	Booster pump control kit. 20957466E	8" Buna-N repair kit	2	$680.00	$1360.00
17	Cla-Val	Booster pump control kit. 20957467D	10" Buna-N repair kit	2	$716.00	$1432.00
18	Cla-Val	X141-PT Assembly.	X141-PT Pressure Transmitter	1	$776.00	$776.00
19	Cla-Val	X117H Assembly 4TP. 21417002K	4" X117H Valve Position Transmitter	1	$1977.00	$1977.00
20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$1977.00	$1977.00
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$1977.00	$1977.00
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$2386.00	$2386.00
Note: Approximate lead times are 2-4 weeks ARO				**BID TOTAL (LINES 1 THROUGH 22)**		$92962.60

TOTAL PRICE WRITING IN WORDS Ninety-Two Thousand Nine Hundred Sixty-Two Dollars and Sixty Cents

CONTRACT TERM (Please Complete)

The City may ☑ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☑ two ☐ three ☐ additional year(s).

Signature Martin Michaelson Title Director of Sales Date 3/14/2025

REQUEST FOR BIDS

CLA-VAL PRODUCTS & MATERIALS

BID # 20250312-PM

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Paul Mariscal, Water Utility Manager
Phone (909)798-7502
pmariscal@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Thursday, March 26, 2025 @ 10:00am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

C. Wells
Pipeline Materials Inc.

Please find references below.

C. Wells has provided waterworks materials to all below and very proud to have all these current customers for over well over10 years.

Carlos B. De Leon
Project Coordinator
Utilities Department
P: (951) 817-5713 C: (951) 702-0338
755 Public Safety Way
Corona, CA 92878
Carlos.DeLeon@coronaca.gov

Todd Landen | Procurement and Contracts Adminstrator
RANCHO WATER | *Working for Our Community*
42135 Winchester Road, Temecula, CA 92590
Office: 951-296-6912
landent@ranchowater.com | ranchowater.com

WESTERN WATER
Powered by water Driven by service

TOP WORK PLACES 2023
INLAND NEWS GROUP

O: 951-789-5107
F: 951-789-5179 Tim Cazee tcazee@wmwd.com

Western Water - 16451 El Sobrante Rd, Riverside, CA 92503 |

wmwd.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

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1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	11,125 $	11,125 $
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	22,360 $	$22,360
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$5,150	$5,150
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$8,230	$8,230
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$13,315	$13,315
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$14,180	$14,180
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$132	$264
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$202	$404
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$465	$930
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$525	$1050
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$756	$1512

12	Cla-Val	Pressure reducing repair kit. 20957485B	6" Buna-N repair kit	2	$445	$890
13	Cla-Val	Pressure reducing repair kit. 20957486A	8" Buna-N repair kit	2	$510	$1,020
14	Cla-Val	Pressure reducing repair kit. 20957487K	10" Buna-N repair kit	2	$740	$1,480
15	Cla-Val	Booster pump control kit. 20957465F	6" Buna-N repair kit	2	$422	$844
16	Cla-Val	Booster pump control kit. 20957466E	8" Buna-N repair kit	2	$700	$1400
17	Cla-Val	Booster pump control kit. 209574670	10" Buna-N repair kit	2	$723	$1446
18	Cla-Val	X141-PT Assembly.	X141-PT Pressure Transmitter	1	$801	$801
19	Cla-Val	X117H Assembly 4TP. 21417002K	4" X117H Valve Position Transmitter	1	$2040	$2040
20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$2040	$2040
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$2040	$2040
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$2460	$2460

BID TOTAL (LINES 1 THROUGH 22) $94,981

TOTAL PRICE WRITING IN WORDS NINETY FOUR THOUSAND NINE HUNDRED EIGHTY ONE DOLLARS

CONTRACT TERM (Please Complete)

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conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Title SALES Date 3/19/2025

FERGUSON®

12500 Jefferson Ave
Newport News, VA 23602
757-874-7795

www.ferguson.com

To Whom it May Concern:

Effective March 31, 2019, Ferguson Enterprises, Inc. became Ferguson Enterprises, LLC (Ferguson). As a result of the name change, we would like to provide you with the most recent W-9 Form attached for your records.

This change for Income tax purposes requires the corporate income tax form the LLC to be reported under the parent company, now Ferguson US Holdings Inc (FUSHI). As a result of this change all federal documents, like W-9's and 1099s etc., are required to follow this rule and therefore, will show the parent company. At the time of the entity conversion Wolseley Investments Inc. (WII) was Fergusons parent company. Because of this federal W-9 requirement it was determined that we should also change the parent company name to Ferguson US Holdings, Inc. for consistency when providing W-9's to vendors. Effective May 2019, we changed the name of WII to Ferguson US Holdings, Inc.

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If you have any questions, please feel free to contact me at ask.tax@ferguson.com.

Regards,

Jennier Pabon
Indirect Tax Manager
Ferguson Enterprises LLC

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3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5,180.00	$ 5,180.00
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$ 8,275.00	$ 8,275.00
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$ 13,380.00	$ 13,380.00
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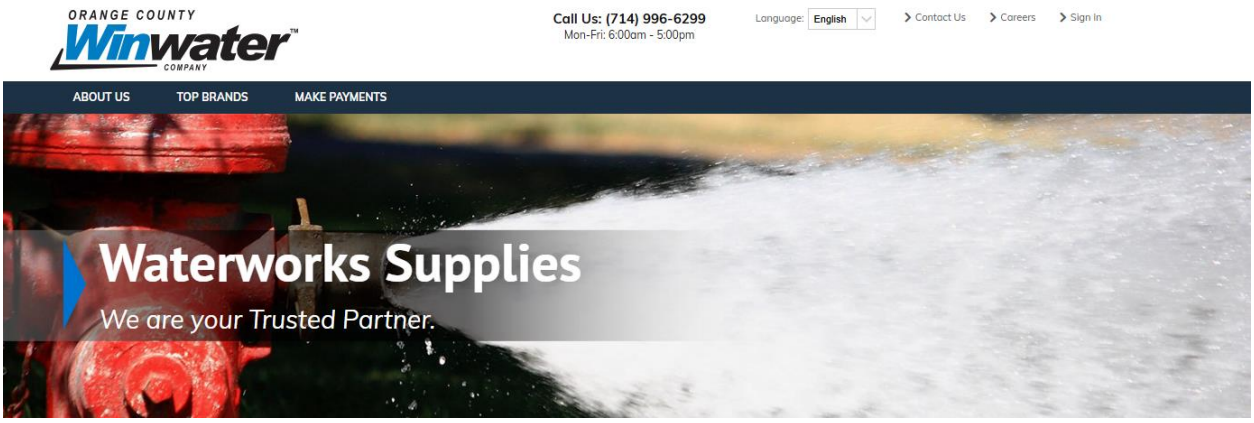
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20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$ 2040	$ 2040
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$ 2040	$ 2040
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$ 2461	$ 2461
					BID TOTAL (LINES 1 THROUGH 22)	$ 95,432.00

TOTAL PRICE WRITING IN WORDS Ninety-five thousand four-hundred and thirty two dollars

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☑ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature Mike Akins Title Municipal Sales Manager Date 3/24/25


ORANGE COUNTY
Winwater
COMPANY
Call Us: (714) 996-6299
Mon-Fri: 6:00am - 5:00pm
Language: English
Contact Us
Careers
Sign In
ABOUT US
TOP BRANDS
MAKE PAYMENTS
Waterworks Supplies
We are your Trusted Partner.

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacturer	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	$ 10912.50	$ 10912.50
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	$ 21907.65	$ 21907.65
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5049.49	$ 5049.49
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$8066.33	$ 8066.33
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$13041.58	$ 13041.58
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$13897.19	$ 13897.19
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$129.90	$ 259.80
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$198.71	$ 397.42
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$ 453.87	$907.74
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$518.04	$ 1036.08
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$756.96	$ 1513.92

12	Cla-Val	Pressure reducing repair kit. 20957485B	6" Buna-N repair kit	2	$410.31	$ 820.62
13	Cla-Val	Pressure reducing repair kit. 20957486A	8" Buna-N repair kit	2	$499.48	$998.96
14	Cla-Val	Pressure reducing repair kit. 20957487K	10" Buna-N repair kit	2	$740.72	$ 1481.44
15	Cla-Val	Booster pump control kit. 20957465F	6" Buna-N repair kit	2	$413.66	$827.32
16	Cla-Val	Booster pump control kit. 20957466E	8" Buna-N repair kit	2	$687.37	$ 1374.74
17	Cla-Val	Booster pump control kit. 20957467D	10" Buna-N repair kit	2	$ 723.71	$ 1447.42
18	Cla-Val	X141-PT Assembly.	X141-PT Pressure Transmitter	1	$ 784.79	$ 784.79
19	Cla-Val	X117H Assembly 4TP. 21417002K	4" X117H Valve Position Transmitter	1	$1977.55	$1977.55
20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$1977.55	$ 1977.55
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$1977.55	$ 1977.55
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$2386.22	$2386.22
					BID TOTAL (LINES 1 THROUGH 22)	$ 93,043.86

TOTAL PRICE WRITING IN WORDS Ninety three thousand forty three dollars & eighty six cents

CONTRACT TERM (Please Complete)

The City may ☐ or may not ☒ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☐ three ☐ additional year(s).

Signature [signature] Title President Date 3/24/25

Western Water Works Supply Company

5831 Pine Ave
Chino Hills, CA 91709

City of Redlands
35 Cajon St. Ste 4
Redlands, CA 92373

Attn: LaWanda Butler

Re: Bid 20250312-PM Cla Val Products and Materials

Executive Summary:

Javier Casas will be the assigned Account Manager/CSR for the Cla Val annual supported by the Director of Sales Martin Michaelson. Javier will process the day to day requests for orders and provide additional support as a trusted advisor to make city personnel's jobs easier to ensure a timely response and accurate orders.

Our operations staff at our Chino location, lead by Regional Operations Supervisor Josh Serrano, AM Branch Manager Pascual Valadez and PM Branch Manager Roberto Casas will be responsible for pulling and checking material to confirm it meets the required specifications to ensure accurate orders and timely deliveries.

Regards,
Martin Michaelson
Martin Michaelson
Director of Sales
(909)630-6361
martin@wwwsco.com

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacturer	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	$ 10912.00	$ 10912.00
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	$ 21907.00	$ 21907.00
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5049.00	$ 5049.00
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$ 8066.00	$ 8066.00
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$ 13041.00	$ 13041.00
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$ 13897.00	$ 13897.00
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$ 128.60	$ 257.20
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$ 196.00	$ 392.00
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$ 449.00	$ 898.00
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$ 512.00	$ 1024.00
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$ 749.00	$ 1498.00

PART 4
PRICE AND FEE BID
BID # 20250312-PM
CLA-VAL PRODUCTS & MATERIALS

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Line No.	Manufacturer	A. Part No.	B. Description	C. Quantity	D. Unit Price	E. Extended Price (C*D)
1	Cla-Val	52-01B 150lb flange, globe style, epoxy coated, Stainless steel KO trim, 30-300lb pilot PSI rating, bronze tubing, bronze pilots and controls.	6" 52-01 Surge Anticipator Valve	1	$ 10912.00	$ 10912.00
2	Cla-Val	610-01by 150lb flange, globe style, epoxy coated, bronze tubing, bronze pilots and controls. CDS6A pilot 0-40'	12" Altitude control valve one way flow	1	$ 21907.00	$ 21907.00
3	Cla-Val	100-02-149A	Pump Control Valve - no controls	1	$ 5049.00	$ 5049.00
4	Cla-Val	100-02-92D	Pump Control Valve - no controls	1	$ 8066.00	$ 8066.00
5	Cla-Val	100-02-229A	Pump Control Valve - no controls	1	$ 13041.00	$ 13041.00
6	Cla-Val	100-01-4768F	Pump Control Valve - no controls	1	$ 13897.00	$ 13897.00
7	Cla-Val	CRL-60 pilot control. 9170033G	CRL-60 pressure relief pilot control valve	2	$ 128.60	$ 257.20
8	Cla-Val	CRD pilot control. 20153404F	CRD pressure reducing pilot control valve	2	$ 196.00	$ 392.00
9	Cla-Val	Pressure relief repair kit. 20957425E	6" Buna-N repair kit	2	$ 449.00	$ 898.00
10	Cla-Val	Pressure relief repair kit. 20957426D	8" Buna-N repair kit	2	$ 512.00	$ 1024.00
11	Cla-Val	Pressure relief repair kit. 20957427C	10" Buna-N repair kit	2	$ 749.00	$ 1498.00

12	Cla-Val	Pressure reducing repair kit. 20957485B	6" Buna-N repair kit	2	$431.70	$863.40
13	Cla-Val	Pressure reducing repair kit. 20957486A	8" Buna-N repair kit	2	$494.00	$988.00
14	Cla-Val	Pressure reducing repair kit. 20957487K	10" Buna-N repair kit	2	$733.00	$1466.00
15	Cla-Val	Booster pump control kit. 20957465F	6" Buna-N repair kit	2	$409.50	$819.00
16	Cla-Val	Booster pump control kit. 20957466E	8" Buna-N repair kit	2	$680.00	$1360.00
17	Cla-Val	Booster pump control kit. 20957467D	10" Buna-N repair kit	2	$716.00	$1432.00
18	Cla-Val	X141-PT Assembly.	X141-PT Pressure Transmitter	1	$776.00	$776.00
19	Cla-Val	X117H Assembly 4TP. 21417002K	4" X117H Valve Position Transmitter	1	$1977.00	$1977.00
20	Cla-Val	X117H Assembly 6TP. 21417003J	6" X117H Valve Position Transmitter	1	$1977.00	$1977.00
21	Cla-Val	X117H Assembly 8TP. 21417004H	8" X117H Valve Position Transmitter	1	$1977.00	$1977.00
22	Cla-Val	X35 Assembly 4-8. 21446905G-OTC	X35 Flow Calculation Module	1	$2386.00	$2386.00
Note: Approximate lead times are 2-4 weeks ARO				**BID TOTAL (LINES 1 THROUGH 22)**		$92962.60

TOTAL PRICE WRITING IN WORDS Ninety-Two Thousand Nine Hundred Sixty-Two Dollars and Sixty Cents

CONTRACT TERM (Please Complete)

The City may ☑ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☑ two ☐ three ☐ additional year(s).

Signature Martin Michaelson Title Director of Sales Date 3/14/2025

REQUEST FOR BIDS

ELECTRICAL COMPONENTS & MATERIALS

BID # 20250312-JL

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Jason Lane, Water Production Maintenance Supervisor
Phone (909)798-7502
jlane@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

REQUEST FOR BIDS

METER ACCURACY TESTING

BID # 20250312-PM(3)

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Paul Mariscal, Water Utility Manager
Phone (909)798-7502
pmariscal@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

BIDDER CERTIFICATION	
METER ACCURACY TESTING	
Submit To: City of Redlands	
Office of the City Clerk 35 Cajon Street, Suite 4 Redlands, CA 92373	**City of Redlands** **Request for Bid (RFB Certification And Addenda Acknowledgment)**
DUE DATE: Wednesday March 26, 2025	**DUE TIME:** 10:00am — **REQUEST FOR BID** #20250312-PM(3)
BIDDER NAME: McCalls Meters, Inc	**PHONE NUMBER:** 951-654-3799
BIDDER MAILING ADDRESS: 1498 Mesa View St	**FAX NUMBER:**
CITY/STATE/ZIP Hemet, Ca. 92543	**E-MAIL ADDRESS:** doug@mccallsmeters.com

"I, the undersigned, certify that I have reviewed the addenda listed below (list all addenda received to date). I understand that timely commencement will be considered in award of this REQUEST FOR BID and that cancellation of award will be considered if commencement time is not met, and that untimely commencement may be cause for assessment of liquidated damages claims. I further certify that the services will meet or exceed the REQUEST FOR BID requirements. I, the undersigned, declare that I have carefully examined the REQUEST FOR BID, specifications, terms and conditions as applicable for this Request, and that I am thoroughly familiar with all provisions and the quality and type of coverage and services specified. I further declare that I have not divulged, discussed, or compared this REQUEST FOR BID with any other Offer or and have not colluded with any offertory or parties to a REQUEST FOR BID whatsoever for any fraudulent purpose."

Addendum #	Addendum #	Addendum #	Addendum #	Addendum #

"I certify that this quote is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting an REQUEST FOR BID for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this REQUEST FOR BID and certify that I am authorized to sign this response and that the offer is in compliance with all requirements of the REQUEST FOR BID, including but not limited to certification requirements. In conducting offers with an agency for the City of Redlands respondent agrees that if this bid is accepted, the respondent will convey, sell, assign, or transfer to the City all rights, title and interest in and to all causes of action it may now or hereafter acquire under the anti-trust laws of the United States for price fixing relating to the particular commodities or services purchased or acquired by the City. At the City's discretion, such assignment shall be made and become effective at the time the purchasing agency renders final payment to the respondent."

Doug Duguid, President	Doug Duguid	3/18/25
Authorized Bidder Name, Title (Print)	Authorized Signature	Date

This form must be completed and returned with your Submittal

PART 4
PRICE AND FEE BID
BID # 20250312-PM(3)
METER ACCURACY TESTING

Award will be made to the overall lowest responsive and responsible bidder.

Water Production Facility Meters

Line No.	A. Water Facilities	B. Meter Type	C. Pipe Size	G. Hours Per Test	H. Hourly Rate	I. Bid Extension Price (G*H)
1	Hinckley WTP Influent	Venturi	30	1	$ 275.00	$ 275.00
2	Hinckley WTP Effluent	Venturi	36	1	$ 275.00	$ 275.00
3	Tate WTP Influent	Venturi	24	1	$ 275.00	$ 275.00
4	Tate WTP Filter 1	Oriface Plate	20	1	$ 275.00	$ 275.00
5	Tate WTP Filter 2	Oriface Plate	20	1	$ 275.00	$ 275.00
6	Tate WTP Filter 3	Oriface Plate	20	1	$ 275.00	$ 275.00
7	Tate WTP Filter 4	Oriface Plate	20	1	$ 275.00	$ 275.00
8	Coolie Hat	Venturi	30	1	$ 275.00	$ 275.00
9	Agate 1	Propeller	12	1	$ 275.00	$ 275.00
10	Agate 2	Propeller	12	1	$ 275.00	$ 275.00
11	Airport 1	Propeller	12	1	$ 275.00	$ 275.00
12	Airport 2	Propeller	12	1	$ 285.00	$ 275.00
13	California	Propeller	6	1	$ 275.00	$ 275.00
14	Church Street	Propeller	12	1	$ 275.00	$ 275.00
15	Crafton	Propeller	10	1	$ 275.00	$ 275.00
16	East Lugonia 3	Propeller	4	1	$ 275.00	$ 275.00
17	East Lugonia 6	Propeller	12	1	$ 275.00	$ 275.00
18	Madeira	Propeller	12	1	$ 275.00	$ 275.00
19	Maguet 2	Propeller	4	1	$ 275.00	$ 275.00
20	Mentone Acres 2	Propeller	12	1	$ 275.00	$ 275.00
21	Mill Creek 2	Propeller	12	1	$ 275.00	$ 275.00

22	Mill Creek 2A	Propeller	8	1	$ 275.00	$ 275.00
23	Mill Creek 4	Propeller	6	1	$ 275.00	$ 275.00
24	Muni	Propeller	16	1	$ 275.00	$ 275.00
25	North Orange 1	Propeller	16	1	$ 275.00	$ 275.00
26	North Orange 2	Propeller	16	1	$ 275.00	$ 275.00
27	New York	Propeller	10	1	$ 275.00	$ 275.00
28	Orange Street	Propeller	12	1	$ 275.00	$ 275.00
29	Redlands Heights	Propeller	10	1	$ 275.00	$ 275.00
30	Rees	Propeller	12	1	$ 275.00	$ 275.00
31	10	Propeller	8	1	$ 275.00	$ 275.00
32	11	Propeller	6	1	$ 275.00	$ 275.00
33	13	Propeller	16	1	$ 275.00	$ 275.00
34	16	Propeller	10	1	$ 275.00	$ 275.00
35	30A	Propeller	12	1	$ 275.00	$ 275.00
36	31A	Propeller	16	1	$ 275.00	$ 275.00
37	32	Propeller	12	1	$ 275.00	$ 275.00
38	36	Propeller	8	1	$ 275.00	$ 275.00
39	38	Propeller	12	1	$ 275.00	$ 275.00
40	39	Propeller	12	1	$ 275.00	$ 275.00
41	41	Propeller	12	1	$ 275.00	$ 275.00
42	1720	MAG	10	1	$ 275.00	$ 275.00
43	1721	MAG	14	1	$ 275.00	$ 275.00
44	1722	MAG	14	1	$ 275.00	$ 275.00
45	1783	Propeller	6	1	$ 275.00	$ 275.00
46	1784	Propeller	6	1	$ 275.00	$ 275.00
47	1927	Propeller	12	1	$ 275.00	$ 275.00
48	1928	Propeller	14	1	$ 275.00	$ 275.00
49	1931	Propeller	12	1	$ 275.00	$ 275.00
50	1951	Propeller	12	1	$ 275.00	$ 275.00
51	1952	Propeller	12	1	$ 275.00	$ 275.00
52	1953	Propeller	12	1	$ 275.00	$ 275.00
53	2131	Propeller	12	1	$ 275.00	$ 275.00

54	2132	Propeller	12	1	$ 275.00	$ 275.00
55	2174	Propeller	8	1	$ ~~35~~ 275.00	$ 275.00
56	2176	Propeller	8	1	$ 275.00	$ 275.00
57	2177	Propeller	8	1	$ 275.00	$ 275.00
58	2310	Propeller	10	1	$ 275.00	$ 275.00
59	2384	Propeller	8	1	$ 275.00	$ 275.00
60	2385	MAG	12	1	$ 275.00	$ 275.00
61	2386	MAG	12	1	$ 275.00	$ 275.00
62	2387	MAG	12	1	$ 275.00	$ 275.00
63	2610	Propeller	10	1	$ ~~35~~ 275.00	$ 275.00
64	2611	Propeller	10	X 1	$ 275.00	$ 275.00
65	**BID SUBTOTAL (LINES 1 THROUGH 64)**					$ 17,600.00

Water Distribution Service Connections

Line No.	A. Description	B. Test Type	C. Estimate Tests Per Year	D. Test Rate	F. Extended Price (C*D)
66	Small meter (2"- 5/8")	Bench test	50	$ 75.00	$ 3,750.00
67	Medium meter (3" and 4")	Field/moblie test	20	$ 275.00	$ 5,500.00
68	Large meter (4" and larger)	Field/moblie test	20	$ 275.00	$ 5,500.00
69				**BID SUBTOTAL (LINES 66 THROUGH 68)**	$ 14,750.00

70	**BID TOTAL (LINES 65 + 69)**	$ 32,350.00

TOTAL PRICE WRITING IN WORDS Total is $ 32,350.00

CONTRACT TERM (Please Complete)

The City may ☒ or may not ☐ exercise its option to renew this agreement as stipulated under the same price, terms and conditions for a period one ☐ two ☒ three ☐ additional year(s).

Signature Craig Ingrid Title President Date 3-18-25

REQUEST FOR BIDS

INDUSTRIAL AUTOMATION & CONTROLS

BID # 20250312-JL (2)

Issued By:

City of Redlands
Municipal Utilities and Engineering Department
Jason Lane, Water Production Maintenance Supervisor
Phone (909)798-7502
jlane@cityofredlands.org

Date of Issue:
Wednesday March 12, 2025

Due Date / Time:
Wednesday March 26, 2025 @ 10:00 am

Responses received and opened at
Office of the City Clerk, City of Redlands,
35 Cajon Street, Suite 4, Redlands, CA 92373

Executive Summary

Art Yee (ayee@industrialtechnicalservices.com, 714-914-4894) will serve as the main point of contact for all deliveries, services, and products.

For any additional assistance, Danielle Steinke (danielle@industrialtechnicalservices.com, 714-336-8100) is available to provide support.

PART 4
PRICE AND FEE BID
BID # 20250312-JL (2)
INDUSTRIAL AUTOMATION & CONTROLS

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Item No.	A Manufacturer	B Part No.	C Description	D Unit	E Estimated Quaintly	F Unit Price	I Extended Price (E*F)
1	Allen Bradley	509-AOD	3P 120 MOTOR STARTER	EA	1	$872.30	$872.30
2	Allen Bradley	509-BOD	3P 120 MOTOR STARTER	EA	1	$1,013.14	$1,013.14
3	Allen Bradley	509-DOD-A2L	FLL VLTG MOTOR STARTER	EA	1	$3,125.23	$3,125.23
4	Allen Bradley	509-EOD-A2M	FLL VLTG MOTORSTARTER	EA	1	$8,136.20	$8,136.20
5	Eaton	EC95V1CAG	EC95V1CAG Eaton soft start	EA	2	$20,392.86	$40,785.71
6	Eaton	SVX200A1-4A1B1	Eaton VFD	EA	1	$33,108.93	$33,108.93
7	Eaton	SVX100A1-4A1B1	Eaton VFD	EA	1	$18,616.07	$18,616.07
8	Eaton	SVX050A1-4A1B1	Eaton VFD	EA	1	$10,330.36	$10,330.36
9	Eaton	CS811+N66N3S CHL S811+N66N3S 66A SFT STR	Eaton soft starter	EA	2	$6,041.07	$12,082.14
10	Eaton	CS811+T30N3 S CHL S811+T30N3s 304A SFT SRT	Eaton soft starter	EA	2	$13,400.00	$26,800.00

11	Eaton	DG1-34245FN-C21C	Eaton 200HP VFD	EA	1	$26,475.00	$26,475.00
12	Eaton	10250T101	30mm push button, Black	EA	10	$89.29	$892.86
13	Eaton	10250T102	30mm push button, Red	EA	10	$89.29	$892.86
14	Eaton	10250T103	30mm push button, Green	EA	10	$89.29	$892.86
15	Eaton	10250T1323	30mm hand off auto switch	EA	5	$125.00	$625.00
16	Eaton	10250TB63	30mm E stop	EA	3	$23.71	$71.14
17	Eaton	10250T51	30mm normally closed block	EA	10	$49.18	$491.79
18	Eaton	10250T53	30mm normally open block	EA	10	$49.18	$491.79
19	Eaton	M22-D-S	22mm push button black	EA	5	$13.36	$66.79
20	Eaton	M22-D-R	22mm push button red	EA	5	$13.36	$66.79
21	Eaton	M22-D-G	22mm push button green	EA	5	$13.36	$66.79
22	Eaton	M22-PV-K01	M22-PV-K01	EA	5	$65.04	$325.18
23	Eaton	M22-WLK-W	2 position switch	EA	5	$51.16	$255.80
24	Eaton	M22-WRK	3 position switch	EA	5	$23.61	$118.04
25	Eaton	DG1-34012FB-C21C	7.5 HP VFD	EA	2	$2,555.36	$5,110.71
26	Eaton	DG1-34031FB-C21C	20 HP VFD	EA	2	$4,335.71	$8,671.43
27	Eaton	DG1-34038FB-C21C	25 HP VFD	EA	2	$4,823.21	$9,646.43
28	Eaton	DG1-34046FB-C21C	30 HP VFD	EA	2	$5,905.36	$11,810.71
29	Eaton	DG1-34072FB-C21C	50 HP VFD	EA	2	$8,700.00	$17,400.00
30	Eaton	DG1-34087FN-C21C	60 HP VFD	EA	2	$10,464.29	$20,928.57

31	Eaton	DG1-34105FB-C21C	100 HP VFD	EA	2	$13,264.29	$26,528.57
32	Dwyer	SBLT2-10-40-ETFE	10 PSI Transducer	EA	1	$1,270.04	$1,270.04
33	Dwyer	SBLT2-5-40-ETFE	5 PSI transducer	EA	1	$1,270.04	$1,270.04
34	Dwyer	SBLT2-15-40-ETFE	15 PSI transducer	EA	1	$1,567.77	$1,567.77
35	Generic	1419A 060500	Shielded cable	FT	500	$383.93	$383.93
36	Rhino	1419A 060501	24V power supply	EA	3	$164.29	$492.86
37	Rhino	1419A 060502	24V power supply	EA	3	$151.79	$455.36
38	Automation Direct	GS4-4250	Durapulse 250HP VFD	EA	1	$27,730.36	$27,730.36
39	Automation Direct	GS4--4150	Durapulse 150HP VFD	EA	1	$14,848.21	$14,848.21
40	Automation Direct	GS4-4060	Durapulse 60HP VFD	EA	1	$6,071.43	$6,071.43
41	Automation Direct	GS4-4100	Durapulse 100HP VFD	EA	1	$9,642.86	$9,642.86
42	Automation Direct	SR55-477	Stellar Soft Start	EA	1	$9,880.36	$9,880.36
						BID TOTAL (LINES 1 THROUGH 42)	$360,312.38

TOTAL PRICE WRITING IN WORDS Three hundred sixty thousand three hundred twelve dollars and thirty-eight cents

WBENC
WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL
JOIN FORCES. SUCCEED TOGETHER.

hereby grants

National Women's Business Enterprise Certification

to

JO-KELL, INC.

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled and is valid through the date herein.

WBENC National WBE Certification was processed and validated by Women's Business Enterprise Council Greater DMV, a WBENC Regional Partner Organization.

Certification Granted: February 6, 2004
Expiration Date: February 28, 2026
WBENC National Certification Number: 232870

Phala Mire, President & CEO Women's Business Enterprise Council Greater DMV

WBEC GREATER DMV
WOMEN'S BUSINESS ENTERPRISE CENTER
JOIN FORCES. SUCCEED TOGETHER.

NAICS: 423610, 335313, 335931, 423830, 423840
UNSPSC: 25173900, 32131000, 39120000

Center for Women & Enterprise | Great Lakes Women's Business Council | Greater Women's Business Council | Women's Business Council Southwest | WBDC | WBEC Metro NY | WBEA | WBEC East | WBEC Florida | WBEC ORV | WBEC Pacific | WBEC South | WBEC West

PART 4
PRICE AND FEE BID
BID # 20250312-JL (2)
INDUSTRIAL AUTOMATION & CONTROLS

Award will be made to the overall lowest responsive and responsible bidder.

THIS IS A BRAND SPECIFIC BID, NO SUBTITUTE WILL BE ACCEPTED

Item No.	A Manufacturer	B Part No.	C Description	D Unit	E Estimated Quaintly	F Unit Price	I Extended Price (E*F)
1	Allen Bradley	509-AOD	3P 120 MOTOR STARTER	EA	1	$ 376.13	$ 376.13
2	Allen Bradley	509-BOD	3P 120 MOTOR STARTER	EA	1	$ 436.98	$ 436.98
3	Allen Bradley	509-DOD-A2L	FLL VLTG MOTOR STARTER	EA	1	$ 1538.73	$ 1538.73
4	Allen Bradley	509-EOD-A2M	FLL VLTG MOTORSTARTER	EA	1	$ 4087.11	$ 4087.11
5	Eaton	EC95V1CAG	EC95V1CAG Eaton soft start	EA	2	$ 10579.71	$ 21,159.41
6	Eaton	SVX200A1-4A1B1	Eaton VFD	EA	1	$ 16,108.64	$ 16,108.64
7	Eaton	SVX100A1-4A1B1	Eaton VFD	EA	1	$ 9,056.38	$ 9,056.38
8	Eaton	SVX050A1-4A1B1	Eaton VFD	EA	1	$ 4,699.06	$ 4,699.06
9	Eaton	CS811+N66N3S CHL S811+N66N3S 66A SFT STR	Eaton soft starter	EA	2	$ 2,748.33	$ 5496.65
10	Eaton	CS811+T30N3 S CHL S811+T30N3s 304A SFT SRT	Eaton soft starter	EA	2	$ 6,098.50	$ 6,098.50

PART # IS MISSING AN S

11	Eaton	DG1-34245FN-C21C	Eaton 200HP VFD	EA	1	$ 12,881.04	$ 12,881.04
12	Eaton	10250T101	30mm push button, Black	EA	10	$ 33.54	$ 335.36
13	Eaton	10250T102	30mm push button, Red	EA	10	$ 33.54	$ 335.36
14	Eaton	10250T103	30mm push button, Green	EA	10	$ 33.54	$ 335.36
15	Eaton	10250T1323	30mm hand off auto switch	EA	5	$ 46.70	$ 233.51
16	Eaton	10250TB63	30mm E stop	EA	3 8.90	$ [illegible]	$ 26.69
17	Eaton	10250T51	30mm normally closed block	EA	10	$ 18.45	$ 184.54
18	Eaton	10250T53	30mm normally open block	EA	10	$ 18.45	$ 184.54
19	Eaton	M22-D-S	22mm push button black	EA	5	$ 5.00	$ 25.00
20	Eaton	M22-D-R	22mm push button red	EA	5	$ 4.76	$ 23.81
21	Eaton	M22-D-G	22mm push button green	EA	5	$ 5.00	$ 25.00
22	Eaton	M22-PV-K01	M22-PV-K01	EA	5	$ 24.40	$ 122.01
23	Eaton	M22-WLK-W	2 position switch	EA	5	$ 19.20	$ 95.98
24	Eaton	M22-WRK	3 position switch	EA	5	$ 8.86	$ 44.28
25	Eaton	DG1-34012FB-C21C	7.5 HP VFD	EA	2	$ 1,161.93	$ 2,323.85
26	Eaton	DG1-34031FB-C21C	20 HP VFD	EA	2	$ 1973.08	$ 3,946.13
27	Eaton	DG1-34038FB-C21C	25 HP VFD	EA	2	$ 2,196.21	$ 4,392.43
28	Eaton	DG1-34046FB-C21C	30 HP VFD	EA	2	$ 2686.80	$ 5,373.60
29	Eaton	DG1-34072FB-C21C	50 HP VFD	EA	2	$ 1,539.80	$ 3,079.60
30	Eaton	DG1-34087FN-C21C	60 HP VFD	EA	2	$ 4,759.75	$ 9,519.50

31	Eaton	DG1-34105FB-C21C	100 HP VFD	EA	2	$ 6,036.15	$ 12,072.30
32	Dwyer	SBLT2-10-40-ETFE	10 PSI Transducer	EA	1	$ 900.56	$ 900.56
33	Dwyer	SBLT2-5-40-ETFE	5 PSI transducer	EA	1	$ 900.56	$ 900.56
34	Dwyer	SBLT2-15-40-ETFE	15 PSI transducer	EA	1	$ 900.56	$ 900.56
35	Generic	1419A 060500	Shielded cable	FT	500	$ 1.29	$ 644.33
36	Rhino NEW # PSR-24-240	1419A 060501	24V power supply	EA	3	$ 141.23	$ 423.69
37	Rhino NEW # PM-0112-020-0	1419A 060502	24V power supply	EA	3	$ 87.63	$ 262.89
38	Automation Direct	GS4-4250	Durapulse 250HP VFD	EA	1	$ 16,346.32	$ 16,346.32
39	Automation Direct	GS4–4150	Durapulse 150HP VFD	EA	1	$ 8,752.63	$ 8,752.63
40	Automation Direct	GS4-4060	Durapulse 60HP VFD	EA	1	$ 3578.95	$ 3,578.95
41	Automation Direct	GS4-4100	Durapulse 100HP VFD	EA	1	$ 5684.21	$ 5,684.21
42	Automation Direct	SR55-477	Stellar Soft Start	EA	1	$ 5824.21	$ 5824.21
					BID TOTAL (LINES 1 THROUGH 42)		$ 174,934.00

TOTAL PRICE WRITING IN WORDS ONE Hundred SEVENTY FOUR Thousand, NINE Hundred THIRTY FOUR 00/100

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____

Account #: _____

Vendor: _____

Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☐	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Date: 4/14/25

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: ABBA

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: ANGLE FLOW PUMPS

Manufacturer/Model Number: FMA 1411/XT60

Age: 45 YRS.

Current Estimated Value: $145,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☒ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:ABBA is the sole provider of our headworks angle flow pumps. MUED has implemented ABB equipment as our standard for pump operations at the wastewater treatment plant. Staff across the division have received specialized training on the use and maintenance of ABB pump systems.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata 04/14/2025

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

ABBA PUMP PARTS & SERVICE
Div. of Dracay Management Inc.

March 14, 2025

Mr. Fernando Mata – Wastewater Utility Manager
City of Redlands
1950 N. Nevada St
Redlands, CA 92374

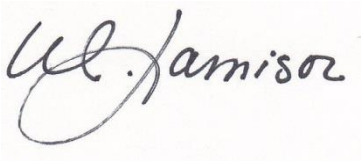
Regarding: ABBA Pump Parts & Service - for City of Redlands Wastewater

This letter confirms that ABBA Pump Parts & Service (a division of Dracay Management) is the manufacturer and sole source of ABBA replacement parts and pumps for the City of Redlands Wastewater / Municipal Utilities and Engineering Dept. Please direct all inquiries and orders to the contact as listed below:

Brayden Pandopulos
Sales Manager
ABBA Pump Parts & Service
5370 Munro Court
Burlington, ON
Canada L7L 5N8
Office: 905-333-2720
Cell: 289-962-3388
Email: Brayden_p@abbaparts.com
Website: www.abbaparts.com

ABBA Parts manufactures replacement pumps, parts & assemblies to fit virtually all major brand municipal sewage and water pumps. Since our inception, ABBA's replacement parts and pumps have proven to perform as well or better than the original equipment manufacturer. All our replacements are made in accordance with OEM specifications and designs. Materials, machining and assembly are 100% North American.

Regards,



Wendy Jamison
President
E: wendy_j@abbaparts.com

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Single Source Memo ABBA Pump Parts & Service

The Municipal Utilities & Engineering Department is requesting that ABBA Pumps Parts & Service be utilized for parts and replacement for the ABBA angle flow pumps and parts at the Wastewater Treatment Plant's headworks. These angle flow pumps are a type of vertical pump that transfers incoming wastewater flows through the progress of the pump to the primary basins.

The Wastewater Division has three (3) angle flow pumps that continuously require maintenance, service, and replacement parts. ABBA Pump Parts & Service, Inc. can provide the procurement of non-competitive/sole source pricing for these angle flow pumps since they manufacture and distribute them.

The cost is included in MUED’s FY 2025/2026 budget.

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____

Account #: _____

Vendor: _____

Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☐	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Date: 4/14/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: ABBA

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: ANGLE FLOW PUMPS

Manufacturer/Model Number: FMA 1411/XT60

Age: 45 YRS.

Current Estimated Value: $145,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☒ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:ABBA is the sole provider of our headworks angle flow pumps. MUED has implemented ABB equipment as our standard for pump operations at the wastewater treatment plant. Staff across the division have received specialized training on the use and maintenance of ABB pump systems.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata 04/14/2025

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

ABBA PUMP PARTS & SERVICE
Div. of Dracay Management Inc.

March 14, 2025

Mr. Fernando Mata – Wastewater Utility Manager
City of Redlands
1950 N. Nevada St
Redlands, CA 92374

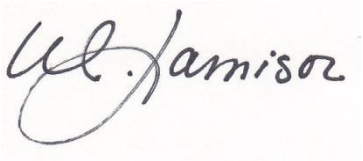
Regarding: ABBA Pump Parts & Service - for City of Redlands Wastewater

This letter confirms that ABBA Pump Parts & Service (a division of Dracay Management) is the manufacturer and sole source of ABBA replacement parts and pumps for the City of Redlands Wastewater / Municipal Utilities and Engineering Dept. Please direct all inquiries and orders to the contact as listed below:

Brayden Pandopulos
Sales Manager
ABBA Pump Parts & Service
5370 Munro Court
Burlington, ON
Canada L7L 5N8
Office: 905-333-2720
Cell: 289-962-3388
Email: Brayden_p@abbaparts.com
Website: www.abbaparts.com

ABBA Parts manufactures replacement pumps, parts & assemblies to fit virtually all major brand municipal sewage and water pumps. Since our inception, ABBA's replacement parts and pumps have proven to perform as well or better than the original equipment manufacturer. All our replacements are made in accordance with OEM specifications and designs. Materials, machining and assembly are 100% North American.

Regards,



Wendy Jamison
President
E: wendy_j@abbaparts.com

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Single Source Memo ABBA Pump Parts & Service

The Municipal Utilities & Engineering Department is requesting that ABBA Pumps Parts & Service be utilized for parts and replacement for the ABBA angle flow pumps and parts at the Wastewater Treatment Plant's headworks. These angle flow pumps are a type of vertical pump that transfers incoming wastewater flows through the progress of the pump to the primary basins.

The Wastewater Division has three (3) angle flow pumps that continuously require maintenance, service, and replacement parts. ABBA Pump Parts & Service, Inc. can provide the procurement of non-competitive/sole source pricing for these angle flow pumps since they manufacture and distribute them.

The cost is included in MUED's FY 2025/2026 budget.

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____

Account #: 501900-6908 ($6,500) 7208 ($11,000) 7803 ($6,500) 521900-6908($6,500)7208($2,000) 7803 ($9,000)

Vendor: _____

Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☐	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: LaWanda Butler Date: 4/3/25

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Airgas USA, LLC

Request Term: 07/01/2025-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☐ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: _____

Manufacturer/Model Number: _____

Age: _____

Current Estimated Value: _____

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Airgas supplies high-purity compressed gases and cylinder rentals essential to the City's laboratory and maintenance operations. The lab requires 99% purity gas to operate critical equipment and maintain certification with the State Water Resources Control Board. Airgas has consistently provided reliable next-day service and has supported the City for over ten years. Alternative vendors do not offer the same reliability or product quality.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata
Date: 2025.04.18 20:51:10 -07'00'

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz – Daniel, Procurement Manager

FROM: Ivan Pedraza, Laboratory Manager

DATE: April 03, 2025

SUBJECT: Sole/Single Source Memo Airgas USA, LLC

The Municipal Utilities & Engineering Department is requesting to utilize Air Gas Co. to supply high-purity compressed gas and cylinder rental. It is crucial for the Joint Utilities Laboratory and Maintenance departments to have a reliable supplier of high-quality gas to carry out their daily operations.

The laboratory requires high-purity (99%) compressed gas to ensure the effective operation of the TOC analyzer and Integrion. Any contaminants in the compressed gas will compromise data quality and potentially cause mechanical failures, necessitating the laboratory to outsource sample analysis to a private laboratory. Without a dependable vendor to supply purified gas, the City risks losing laboratory certification for anions, perchlorate, and TOC results to the State Water Resource Board. Airgas has been providing required gas typically within the next business day.

Air Gas Co. has maintained a relationship with the City of Redlands for over ten years. Despite a nationwide shortage of helium, Airgas has prioritized the City and is already on Airgas' approval list, offering a discounted price.

The cost is included in the Municipal Utilities & Engineering Department's FY 2025/2026 budget.

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____
Account #: _____
Vendor: _____
Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☐	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: LaWanda Butler Date: 4/4/25

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Brax Company

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Vertical Turbine Pumps

Manufacturer/Model Number: Sulzer Pumps

Age: 20 YRS.

Current Estimated Value: $120,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☒ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Brax Company, Inc. supplies parts and services for Sulzer pumps used at the RW effluent discharge. These pumps are critical to distribution processes. Sulzer confirms Brax as the sole authorized municipal distributor for Southern California, including San Bernardino County, ensuring proper support and compatibility.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED will need to consult internally/seek an alternative provider/technology. This will affect our timeline, budget, and potentially our operations until a suitable replacement is identified.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:21:16 -07'00' 04/18/2025

Prepared by Date

_____

Department Director Date

Purchasing Approvals

_____

Purchasing Agent Approval Date

_____

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz, Purchasing Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Single Source Memo Brax Company, Inc.

The Municipal Utilities & Engineering Department is requesting to utilize Brax Company, Inc. for parts and replacement of Sulzer Pumps throughout the Wastewater Treatment Plant. These vertical turbine pumps are a type of centrifugal pump that transfers flows (e.g., primary, secondary, tertiary) through the progress of the pump to various processes of the treatment plant.

The Wastewater Division has five (5) Sulzer pumps that continuously require maintenance, service, and replacement parts. Brax Company, Inc. can provide the procurement of non-competitive/sole source pricing of these Sulzer pumps as stated in the attached letter.

The cost is included in MUED's FY 2025/2026 budget.

Flow Equipment
Sulzer Pumps Solutions, Inc.
108 Leigus Road, Suite 1180
Wallingford, CT 06492
Phone (203) 238 2700
www.sulzer.com

Brax Company, Inc.
31248 Valley Center Rd
Valley Center, CA 92082

Date March 14, 2025

Subject : Brax Company, Inc. as Sole Contracted Sulzer/ABS Representative

The purpose of this letter is to confirm that Brax Company, Inc., located in Valley Center, CA, is the sole municipal wastewater distributor for Sulzer/ABS and Pumpex rotating equipment products. Brax Company, Inc. contracted territory is Southern California (all counties South of and including San Luis Obispo, Kern and San Bernardino) and Clark County, Nevada.

Sincerely,

Rajneel Naicker

Raj Naicker
Regional Sales Manager
Municipal Wastewater, Western USA

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____

Account #: _____

Vendor: _____

Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☐	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☐	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 20:52:20 -07'00' Date: 4/18/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: CS-amsco

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Valves, Gates, and Actuators

Manufacturer/Model Number: Misc.

Age: 0-60 Yrs.

Current Estimated Value: $200,000

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:CS-amsco provides parts and service for DeZurik valves, Waterman gates, and AUMA actuators used at the City's WWTP. These components are essential for flow control and automated operations. CS-AMSCO is the exclusive distributor for these products in Southern California, ensuring access to authorized equipment, support, and replacement parts.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 20:52:58 -07'00' 04/14/2025

Prepared by Date

_____

Department Director Date

Purchasing Approvals

_____

Purchasing Agent Approval Date

_____

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Single Source Memo CS Associated Municipal Sales Corp (CS-AMSCO)

The Municipal Utilities & Engineering Department is requesting to utilize CS Associated Municipal Sales Corp (CS-AMSCO) for parts and service of aged plug valves, butterfly valves, check valves, and electric actuators at the Water & Wastewater Treatment Facilities.

DeZurik valves have a long-standing reputation for accuracy, durability, reliability, and customer profitability. As a result, the Water/Wastewater Division currently utilizes DeZurik valves throughout their facility. With their expertise in flow, DeZurik offers a broad portfolio of engineered valve solutions that are highly regarded. Our Waterman gates are employed at our membrane bioreactor and holding ponds to help control flow. In addition, the facility's AUMA actuators are strategically placed in wastewater processes to ensure proper plant operation through automation.

The attached sole/single source letter explains that CS-AMSCO is the exclusive distributor for DeZurik, Waterman, and Auma actuators in Southern California.

The cost is included in MUED’s FY 2025/2026 budget.

AUMA Actuators, Inc. USA

March 12th , 2024

To: City of Redlands

Attn: Joseph Hamburger

Subject: Southern California/Southern Nevada Representative for AUMA

We are pleased to confirm that CS-Amsco is the exclusive AUMA representative for the Water & Wastewater market in the states of Southern California and Southern Nevada.

CS-amsco has been serving the municipal market since 1983. They are a full service organization equipped to provide engineering assistance and technical support on the entire AUMA actuator line for water and wastewater applications. Their contact information is as follows:

CS-amsco
15842 Chemical Lane
Huntington Beach, CA 92649
Phone: (714) 892-4200
Fax: (714) 892-4266
Email: www.csamsco.com

Should you have any questions regarding the status of CS-amsco, please do not hesitate to contact me.

Best Regards,

Lido Flores
Regional Sales Manager

CC: Shawn Aram – CS-amsco

250 Riverside Ave N 320-259-2000 p
Sartell, MN 56377 USA 320-259-2227 f

March 12th , 2024

To: City of Redlands

Attn: Joseph Hamburger

RE: Exclusive Representation of DeZURIK, Inc. Products

Dear Joseph,

CS-amsco is the sole representative for the Municipal Markets for **DeZURIK / APCO / Hilton / Red Valve** in Southern California and Southern Nevada.

DeZURIK / APCO / Hilton / Red valve markets their products through exclusive technical representation only. Please contact CS-amsco regarding any inquiries regarding our entire line of valves and controls. Their contact information is as follows:

CS-AMSCO
15842 Chemical Lane Huntington Beach, California 92649
Tel: 714-892-4200
Fax: 714-892-4266
Email: customerservice@csamsco.com
Webpage: www.csamsco.com

Sincerely,

Nick Krippner
Regional Sales Manager

CC: Shawn Aram / CS-amsco

info@dezurik.com
www.dezurik.com

Printed in the USA

P.O. request CHECKLIST for Single/Sole Source

(Check applicable)

P.O. for: WTP Process Control Equipment
Account #: 501900 / 521900
Vendor: D&H Water Systems
Amount: $210,000

1.	☑	Signed Single/Sole Source form
2.	☐	PR
3.	☑	Supporting docs: quote from Single/Sole source
4.	☑	W9
5.	☑	Insurance
6.	☑	Business License
7.	☐	Bond (if applicable)
8.	☑	Council approval/minutes (if applicable)
9.	☐	Agreement (if applicable)
10.	☐	SAM (Purchasing-internal) over $20,000
11.	☑	Prepare memo to CMO

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 20:43:32 -07'00' Date: 4/18/25

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date:_____

TO: Purchasing Division

FROM: MUED - Water & Wastewater Division

Purchase Requisition # Annual PO

Estimated Total Cost: $ 210,000

Proposed Vendor: D&H Water Systems

Request Term: FY 25/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: WTP Process controls

Manufacturer/Model Number: Multiple

Age: 2 - 11

Current Estimated Value: $350,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

D&H Water Systems is the sole source provider and manufacture representive for ProMinent, In-Pipe and Evoqua supplies, support and warranty. Rep. letters and sole source memo attached.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

Explore alturantive suport suppliers which will likley lead to sole source procurment.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Paul Mariscal 4/14/25

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz, Purchasing

FROM: Paul Mariscal, Water Utility Manager
Fernando Mata, Wastewater Utility Manager

DATE: April 7, 2025

SUBJECT: Sole/Single Source Memo D&H Water Systems

MUED is requesting to utilize D&H Water Systems to perform mandatory annual maintenance, supply necessary equipment, support and provide specialized operator training for the City's water and wastewater divisions.

The City's water and wastewater treatment plants utilize Evoqua, ProMinent Fluid Controls and In-Pipe to properly operate and analyze the water and wastewater treatment processes and conveyance system. The equipment used is critical to operations and ensures the delivery of safe drinking water to the public and proper analysis of wastewater treatment processes. Without this specialized equipment, treatment operations would be inoperative which would result in the City's inability to utilize one of its most cost-effective drinking water sources and cause failure to meet wastewater regulatory reporting requirements.

As explained in the attached letters from Evoqua, is the certified service and training representative for Evoqua chlorine gas feed in southern California. Additionally, D&H Water Systems is similarly the exclusive municipal representative for ProMinent Fluid Controls chemical feed and analyzer equipment. The WWTP utilizes chemical metering equipment as an effective means of disinfection of the permeate water from the Membrane Bio-Reactor. Furthermore, the wastewater division utilizes In-Pipe's proprietary microbe dose to mitigate fats, oil, grease, and odors throughout the conveyance system. The City has utilized D&H Water Systems over the past several years in the Water and Wastewater Divisions to perform specialized maintenance and have extensive experience with our specific chlorine gas feed and monitoring systems as well as process equipment within the Wastewater Treatment Plant.

Alternatives for this equipment would result in costly system redesigns, significate plant down time, and may require permitting from the State Water Resources Control Board. Water and wastewater treatment is a very specialized field, alternative equipment of this kind would also result in sole source support from authorized vendors.

March 2025

To whom it may concern:

ProMinent Fluid Controls, Inc. has appointed D&H Water Systems, Inc. as an authorized single source representative for the municipal market. D&H Water Systems is the only company in Southern California, Arizona, and New Mexico authorized to sell to local, county, and state governments and sales to contractors and/or system integrators on municipal projects, which also includes community drinking water and wastewater treatment. Be advised that ProMinent Fluid Controls, Inc. will honor new equipment warranties only when purchased and serviced through an authorized representative.

D&H Water Systems, Inc. corporate contact information follows:

D&H Water Systems
4121 Avenida De La Plata
Oceanside, CA 92056
Phone: (760)-516-8603

Sincerely,

Chris LaCour
Western Municipal Sales Manager
Ph: (916) 413-5267
Lacour.chris@prominent.com

cc: D&H Water Systems

136 Industry Drive
Pittsburgh, PA 15275-1014
Telephone 412/787-2484
Telefax 412/787-0704
www.prominent.us
Manufacturers of electronically controlled chemical metering pumps assembled and tested in U.S.A.

EVOQUA
WATER TECHNOLOGIES

January, 2025

Dear Customer ;

This letter is to advise that Doane and Hartwig Water Systems, Inc. is an exclusive distributor and authorized service provider representative for Evoqua Water Technologies, LLC for equipment service and sales of aftermarket parts to municipal customers.

Doane and Hartwig Water Systems, Inc. is authorized for the sale of equipment, instruments and products manufactured by us in the following product lines: Wallace and Tiernan.

Doane and Hartwig Water Systems, Inc. is authorized to sell products within the following territory. States of: southern California and southern Nevada.

Doane and Hartwig Water Systems, Inc. is located at:
4121 Avenida De La Plata
Oceanside, California 92054

Evoqua Water Technologies, LLC utilizes Distributors and Sales Representatives to promote and support our equipment on a regional basis.

Contract#: Doane and Hartwig_2020_0128
Letter Expiration Date: December 31, 2024

With regards,

Timothy Schneller

Timothy Schneller
Global Channel Leader
Cc: partners@evoqua.com; Click or tap here to enter text.

Authorization letter valid only if on file with Evoqua Water Technologies. To validate the authenticity of this letter or specific products covered, contact partners@evoqua.com.

210 Sixth Avenue, Suite 3300
Pittsburgh, PA 15222 USA
Tel: +1 (724) 772-0044
Fax: +1 (412) 281-8180
www.evoqua.com

IN-PIPE TECHNOLOGY Because Efficiency Counts

March 19, 2025

Fernando Mata
Wastewater Utility Manager
City of Redlands
1950 Nevada Street
Redlands, CA 92374

Dear Mr. Mata

This letter is to confirm that the proprietary collection system microbial dosing method used by In-Pipe Technology is a sole source service, provided exclusively by In-Pipe Technology. We are not aware of any other company that provides comprehensive, turn-key microbial dosing of the entire collection system in substantially the same manner. This service must be purchased either directly by the City of Redlands from In-Pipe Technology or through D&H Water Systems, our Authorized Representative. There are no agents or dealers authorized to resell this service in the State of California.

We are not aware of any similar or like service available to the City that would serve the same purpose or function.

If you desire additional information, don't hesitate to contact me at (630) 509-2488 at any time or visit our website at www.in-pipe.com. Thank you for your interest in our products and services.

Sincerely,

Douglas G Fagans

Douglas G Fagans
Chief Commercial Officer
630-509-2488

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____
Account #: _____
Vendor: _____
Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: LaWanda Butler Date: 4/14/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: DC Frost Associates, Inc

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Digester PRVs & Primary Clarifiers

Manufacturer/Model Number: _____

Age: 5-35 Yrs.

Current Estimated Value: $1.5M

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:DC Frost supplies critical equipment and replacement parts for the City's WWTP's biogas piping network, including flame arresters and pressure-reducing valves. These components are essential for safety and maintaining proper process flow. DC Frost is the sole authorized representative for Varec Biogas and Emerson Equipment, both of which are used in the City's solids management facility. DC Frost is the exclusive distributor in California for Brentwood Industries, the original manufacturer of proprietary chain and flight collector system components. Using alternative vendors would compromise equipment compatibility and quality standards.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ☐ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED-WW would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata
Date: 2025.04.18 20:54:07 -07'00'

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: April 1, 2025

SUBJECT: Sole/Single Source with DC Frost for Varec-Biogas Equipment and Replacement Parts

---

MUED is requesting to utilize DC Frost Associates to supply equipment and replacement parts for the City's wastewater digester biogas piping network, specifically flame arresters and pressure-reducing valves. These flame arresters and relief valves are essential for ensuring safety and maintaining proper process flow.

Varec, with over sixty years of experience in manufacturing and designing biogas solutions, offers reliable environmental protection, compliance with regulations, and employee safety. The Wastewater Division operates ten (10) biogas units at the solids management facility, where these relief valves and flame arresters are continuously in use and require regular maintenance and replacement parts. DC Frost, being the sole authorized sales representative for Varec Biogas and Emerson Equipment, can procure these units at non-competitive/sole source pricing.

Brentwood Industries is the original equipment manufacturer of non-metallic chain and flight collector system components and the sole supplier of replacement parts either manufactured by Polychem Systems or NRG Products—or specially manufactured by Brentwood's vendors in accordance with the company's rigorous quality standards, engineering drawings, and specifications. All replacement components fall under the guidelines of Brentwood Industries' ISO 9001:2015 certification. Polychem chain is regularly tested for ultimate strength, proof loading, elongation, and estimated wear life to uphold Brentwood's high-quality standards.

DC Frost Associates, Inc., a subsidiary of Coombs-Hopkins Company, is Brentwood Industries' sole authorized representative and distributor in California.

The cost for these items is already included in MUED's FY 2024/2025 budget.

Varec Biogas, a Division of Ovivo USA, LLC
15061 Springdale St., Suite 210, Huntington Beach, CA 92649
p: 714.220.9920
www.varec-biogas.com

February 5, 2025

Fernando Mata, Wastewater Utility Manager
City of Redlands, CA
Phone: (909) 798-7506 ext. 4183
Email: fmata@cityofredlands.org
Website: cityofredlands.org

Subject: Sales Representation for Varec-Biogas Equipment, Replacement Parts and Service for Biogas application in the State of California

Dear Mr. Mata:

This letter will confirm the following:

1. **Coombs-Hopkins Company** is our sole authorized sales representative for Varec Biogas and Emerson equipment, including field services that are used for, and in service of digester gas or biogas for the state of California. **DC Frost Associates, Inc.** is a subsidiary of Coombs Hopkins and handles Varec parts inquiry and sales.
2. Only a qualified Field Service Engineer from Varec Biogas is authorized to perform any service on Varec Biogas equipment, otherwise, this will void any existing warranties for the product. Varec Biogas will not extend any guarantees for work completed without our express written consent during the warranty period.

We appreciate your patronage and confidence in our product. Please kindly send all your inquiries and orders to the following address for proper handling and processing:

Casey Rebmann **Plant Sales Engineer**	**Matt Rebmann** **Vice President**
DC Frost Associates, Inc.	**Coombs Hopkins Company**
8706 South 700 East, Suite 201 Sandy, UT 84070	2011 Palomar Airport Road, Suite 303| Carlsbad, CA 92011
O: (760) 385-6413|M: (760) 525-6139|casey@chcwater.com	O: (760) 931-0555| M: (760) 579-9411| matt@chcwater.com

Payment Terms:	Net 30 Days from date of invoice in accordance with standard terms and condition of sale (enclosed)
Shipment Terms:	Delivery schedule is based on an order-by-order basis depending on parts and quantities ordered.
Terms of Sale:	Ex-works Factory, Stafford, TX. Freight prepaid and added to invoice unless otherwise specified on the proposal.
Shipping point:	Specified on the sales order acknowledgement or shall be Stafford, TX.

Sincerely,

Regina Hanson
Sales and Marketing Manager, Varec Biogas and Biosolids Management & Resource Recovery Group
Direct: 1-714-220-9924
Email: regina.hanson@ovivowater.com

brentwoodindustries.com
610.374.5109

February 5, 2025

City of Redlands Wastewater Treatment Plant
1950 North Nevada Street
Redlands, CA 92373

To Whom it May Concern:

Polychem and NRG are brands of Brentwood Industries, Inc. located at 500 Spring Ridge Drive, Reading, PA 19610 USA.

Brentwood Industries is the original equipment manufacturer of non-metallic chain and flight collector system components and the sole supplier of replacement parts either manufactured by Polychem Systems or NRG Products, or that are specially manufactured for use by our vendors to our rigorous quality standards, drawings and specifications, all of which fall under the guidelines of Brentwood Industries' ISO 9001:2015 certification. Polychem chain is regularly tested for ultimate strength, proof loading, elongation and estimated wear life to uphold Brentwood's high quality standards. Brentwood Industries is the sole supplier of Polychem GritShield stainless steel barrel wrapped chain protection which combats grit, reduces barrel wear and extends chain and sprocket life.

Our sole authorized representative/distributor in California is DC Frost Associates, Inc., a subsidiary of Coombs-Hopkins Company.

If you have any questions or concerns regarding this information, please do not hesitate to contact me.

Sincerely,

Ryan Putt

Product Upgrades Specialist
Brentwood Industries, Inc.
PH: 610-347-8663
ryan.putt@brentwoodindustries.com

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: Root Control
Account #: 521900-6710
Vendor: Duke's Root Control, Inc.
Amount: $60,000

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 20:57:17 -07'00' Date: _____

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 3/19/25

TO: Purchasing Division

FROM: Municipal Utilities & Engineering Dept.

Purchase Requisition # _____

Estimated Total Cost: $ 60,000

Proposed Vendor: Duke's Root Control

Request Term: 7/01/25 - 6/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Herbicide throughout conveyance system

Manufacturer/Model Number: _____

Age: _____

Current Estimated Value: _____

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Dukes Root Control, Inc. provides annual sewer root control services for the City's Wastewater Collection Division. They have successfully completed over **12** projects with the City since **1**996. Approximately 5 miles of sewer main lines are treated each year as part of the City's Root Control Program under the Sewer System Management Plan. Dukes is the only commercial applicator licensed to use RAZOROOTER in California and is registered with the Department of Pesticide Regulation. Their certified applicators help prevent overflows and reduce maintenance efforts.

3. Was an evaluation of other equipment, products, or services performed?
☐ Yes ☐ No
If yes, please explain the type of evaluation performed and provide all supporting documentation:

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. **Explain what action(s) the department would take if the sole/single source services were no longer available**

Wastewater Staff would be required to consult and seek an alternative provider and technology, affecting City's efforts to standardized equipment.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata 03-19-25

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

Rev 1.31.19

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: James Estrada, Wastewater Collections System Supervisor

DATE: March 19th, 2025

SUBJECT: Sole/Source Memo Dukes Root Control, Inc.

The Municipal Utilities & Engineering Department is requesting to utilize Dukes Root Control, Inc. to provide sewer root control services. Dukes Root Control has completed over 12 successful root control projects with the City of Redlands since 1996.

The Wastewater Collection Division designates approximately 5 miles of 6” to 8” sewer main line that have been identified through CCTV inspections for root intrusion.

The Collection Division maintains a Root Control Program as described under the City’s Sewer System Management Plan, which prevents root intrusion from occurring in the city main lines. This annual project results in preventing overflows and reduces staff time to maintain these line segments.

Dukes Root Control, Inc. is the only commercial applicator licensed to apply RAZOROOTER in California. Dukes is registered with the Californian Department of Pesticide Regulation. Duke’s applicators are certified by the same agency to perform applications to sewers.

The cost is included in MUED’s FY 2025/26 budget.

February 5, 2025

James Estrada
Wastewater Collections Supervisor
City of Redlands
P.O. BOX 3005
Redlands, CA 92373

RE: Razorooter® Patent and Licensing Information

Dear James:

RAZOROOTER®, a proprietary product of Duke's Root Control, Inc., is the only diquat-based, sewer root control product that is registered with the U.S. Environmental Protection Agency (EPA Registration No. 94625-3).

At the present time, Duke's Root Control, Inc. is the only commercial applicator licensed to apply RAZOROOTER® in California. Duke's is registered with the California Department of Pesticide Regulation, and Duke's applicators are certified with this same agency to perform pesticide applications to sewers.

If you have any questions or require additional information, please contact me at 1-800-447-6687.

Sincerely,

Thomas W. Edwards
Duke's Root Control, Inc.
Pacific Regional Manager

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____
Account #: _____
Vendor: _____
Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☐	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☐	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:01:43 -07'00' Date: _____

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Heat Transfer Solutions

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Three Digester Boilers

Manufacturer/Model Number: One (1) MPH-30, Two (2) MPH-15

Age: 5 Yrs

Current Estimated Value: $750,000

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☒ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Heat Transfer Solutions (HTS) provides maintenance and replacement parts for the City's three fire tube boilers, which heat bio-solids in anaerobic digesters. These boilers operate on biogas and natural gas, requiring precise air-fuel balance to reduce fuel waste and emissions. HTS is the sole representative for Columbia Boiler Company in California and offers a Proactive Preventative Maintenance Program. As a preferred customer, the City receives discounted parts, priority emergency service, and required performance tuning and inspections.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED-WW would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:02:04 -07'00' 04/14/2025

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Fernando Mata, Wastewater Utility Manager

DATE: April 01, 2025

SUBJECT: Sole/Single Source Memo Heat Transfer Solutions

The Municipal Utilities & Engineering Department is requesting to utilize Heat Transfer Solutions (HTS) for maintenance and replacement parts for the three (3) fire tube boilers. The boilers are heat bio-solids in three (3) separate anaerobic digesters. The boilers operate using two separate fuel sources (i.e., biogas or natural gas); optimizing the air-fuel mixture through a proper preventative maintenance program is critical to ensure less fuel is wasted and reduces emissions of air pollutants produced by inefficient combustion.

HTS offers a Proactive Preventative Maintenance Program on behalf of Columbia Boiler Company, the manufacturer. HTS is recognized as the sole provider to represent and service these types of boilers in California. As a preferred customer, the City's WWTP will receive a 10% discount on parts, priority on emergency service calls, biannual fine-tuning to factory specs, and annual boiler cleaning and inspection of heat transfer surfaces.

The cost is included in MUED's FY 2025/2026 budget.

POTTSTOWN ENGINEERED PRODUCTS
390 Old Reading Pike, Pottstown, PA 19464
610-323-3477 Fax: 610-323-3977 www.pepboiler.com

7/29/2024

To whom it may concern,

Pottstown Engineered Products has assumed responsibility for all Columbia Boiler parts supply, tech support and warranty claims. If you have any questions, please feel free to call me.

Best Regards,

Mike Bonjo
Sales Manager
Pottstown Engineered Products

POTTSTOWN ENGINEERED PRODUCTS
390 Old Reading Pike, Pottstown, PA 19464
610-323-3477 Fax: 610-323-3977 www.pepboiler.com

March 28, 2025

To whom it may concern

In the state of California, Mesa Energy Systems, DBA Heat Transfer Solutions, is the sole manufacturer's representative approved to represent Pottstown Engineered Products.

Best Regards,

Mike Bonjo
Sales Manager
Pottstown Engineered Products

P.O. request CHECKLIST for Single/Sole Source

(Check applicable)

P.O. for: Water Distribution Meters & AMI
Account #: 501900 - 6703 / 501900 - 7808
Vendor: Ferguson
Amount: $480,000

1.	☑	Signed Single/Sole Source form
2.	☐	PR
3.	☑	Supporting docs: quote from Single/Sole source
4.	☑	W9
5.	☐	Insurance
6.	☑	Business License
7.	☐	Bond (if applicable)
8.	☑	Council approval/minutes (if applicable)
9.	☐	Agreement (if applicable)
10.	☐	SAM (Purchasing-internal) over $20,000
11.	☑	Prepare memo to CMO

Completed By: _____ Date: 4/17/25

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date:_____

TO: Purchasing Division

FROM: MUED - Water

Purchase Requisition # Annual PO

Estimated Total Cost: $ 480,000

Proposed Vendor: Ferguson

Request Term: FY 25/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Mutilpe Size Meter and AMI Equipment

Manufacturer/Model Number: Neptune

Age: 1-4

Current Estimated Value: 11,000,000

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

The City has Standardized Neptune water meters and Advanced Metering Infrastructure (AMI) solutions. Rep. letter, sole source memo and supporting documentation attached.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

Explore the services of another supplier likely resulting in single/sole source services.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Paul Mariscal 4/17/25

Prepared by Date

_____

Department Director Date

Purchasing Approvals

_____

Purchasing Agent Approval Date

_____

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz, Purchasing

FROM: Paul Mariscal, Water Utility Manager
Aaron Canedo, Water Distribution Supervisor

DATE: April 17, 2025

SUBJECT: Sole/Single Source Memo Ferguson Waterworks

The Water Distribution division is requesting to utilize Ferguson Waterworks to supply Neptune Brand water meters. To accommodate these purchases and in accordance with the City's purchasing policy, staff is requesting a sole source annual purchase order be issued to Ferguson Waterworks (Ferguson) for Fiscal Year 2025-2026.

Ferguson Waterworks is the sole distributor, as explained by the attached letter from Neptune. In California, Ferguson Waterworks is the sole distributor of Neptune water meters, reading systems, Neptune replacement parts, automated meter networks and other value-added services. If Neptune products are purchased from an out of state distributor, all warranties will be void. Additionally, the City is in process of converting to advanced meter infrastructure (AMI), existing meters can be retrofitted with a Neptune register with AMI, and the entire meter would not need to be replaced.

The City of Redlands has standardized the Neptune water meters for all replacement and new construction throughout the city. Standardizing with Neptune meters has improved our maintenance activities and reduced spare part inventors. Neptune products have proven to be excellent quality with outstanding factory support. Ferguson as well has worked with the City for several years and has provided outstanding customer service and quick turn around with special order parts.

NEPTUNE
TECHNOLOGY GROUP

City of Redlands
35 Cajon Street
Redlands, CA 92373

4/17/2025

City of Redlands,

Neptune always strives to be the most valued partner in assisting its water utilities serve their customers more efficiently through use of Neptune automated AMR/ AMI / Cellular solutions. In doing so, Neptune markets its products and services through distributors in hardened markets. In California and Hawaii, Ferguson Waterworks is the sole distributor of Neptune water meters, reading systems, parts, networks and other value-added services. Ferguson goes beyond normal distribution by being certified as Level 1 by Neptune, which means they invest further dollars in product training, support and project management of today's advanced metering systems.

- All project and pricing opportunities are evaluated by local distribution teams and Neptune Territory Managers.
- Purchasing Neptune product from distributors outside of the State of California boundary is prohibited.
- Product purchased via outside distributors will be void of its warranty and returned to the distribution branch that acted illegally.

Sincerely,

Devin Brady

Devin Brady
Territory Manager CA/HI
dbrady@neptunetg.com
Cell: 562-545-1478

Form **W-9**
(Rev March 2024)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give form to the requester. Do not send to the IRS.

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below

Print or type. See *Specific Instructions* on page 3.

1 Name of entity/individual An entry is required (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2)

FERGUSON US HOLDINGS, INC

2 Business name/disregarded entity name, if different from above

FERGUSON ENTERPRISES, LLC

3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1 Check only one of the following seven boxes

☐ Individual/sole proprietor ☑ C corporation ☐ S corporation ☐ Partnership ☐ Trust/estate

☐ LLC Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) _____

Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity A disregarded entity should instead check the appropriate box for the tax classification of its owner

☐ Other (see instructions) _____

4 Exemptions (codes apply only to certain entities, not individuals, see instructions on page 3)

Exempt payee code (if any) 5

Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) E

(Applies to accounts maintained outside the United States)

3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries See instructions ☐

5 Address (number, street, and apt or suite no) See instructions

751 LAKEFRONT COMMONS

Requester's name and address (optional)

6 City, state, and ZIP code

NEWPORT NEWS, VA 23606

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN) However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later For other entities, it is your employer identification number (EIN) If you do not have a number, see *How to get a TIN*, later

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter

Social security number

			-			-				

or

Employer identification number

5	4	-	1	4	7	3	3	3	8

Part II Certification

Under penalties of perjury, I certify that

1 *The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and*

2 I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and

3. I am a U.S citizen or other U S person (defined below), and

4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct

Certification Instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN, See the instructions for Part II, later

Sign Here Signature of U.S. person Rebecca Burns Date 1/8/25

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted

Future developments For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www irs gov/FormW9*

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner Otherwise, it should check the "LLC" box and enter its appropriate tax classification

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3 See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065)

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: Roach Control
Account #: 521900-6710
Vendor: Golden Bell Products, Inc.
Amount: $65,000

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 20:58:34 -07'00' Date: _____

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 3/19/25

TO: Purchasing Division

FROM: Municipal Utilities & Engineering Dept.

Purchase Requisition # _____

Estimated Total Cost: $ 65,000

Proposed Vendor: Golden Bell

Request Term: 7/01/25 - 6/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Pesticide throughout conveyance system

Manufacturer/Model Number: _____

Age: _____

Current Estimated Value: _____

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☒ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

3. Was an evaluation of other equipment, products, or services performed?
☐ Yes ■ No
If yes, please explain the type of evaluation performed and provide all supporting documentation:

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. **Explain what action(s) the department would take if the sole/single source services were no longer available**

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

03/19/25

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

Rev 1.31.19

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: James Estrada, Wastewater Collections System Supervisor

DATE: March 19, 2025

SUBJECT: Sole/Source Memo Golden Bell Products, Inc

The Municipal Utilities & Engineering Department is requesting to utilize Golden Bell Products for sewer line utility roach control services. Golden Bell Products has had a 11-year relationship with the City of Redlands and is the designated exclusive INSECTA California service provider for sewer utility manhole cockroach control.

There are approximately 5,000 sewer utility hole structures throughout the city and areas of Mentone that the Wastewater field staff are responsible for servicing and maintaining. Pests such as roaches enter sewer utility manhole covers via pick points. Due to this, the Wastewater Division maintains a Roach Control Program per the Sewer System Management Plan. The Roach Control Program is designed to mitigate the public nuisance and public health threats caused by cockroach infestation in the City's sanitary sewer system.

Applying Insecta pesticide is a safe and efficient way to help eliminate roach infestation in the utility holes. Golden Bell has the sole source right for the application and distribution of Insecta.

The cost is included in MUED's FY 2025/26 budget.

JABco

Jim Lawrence
President
16352 Valhalla Drive
Noblesville, IN 46060

Toll Free: (888) 781-6955
Cell: 727-365-6995

March 19, 2025

To Whom It May Concern:

I, Jim Lawrence, President of JABco, the manufacturing company for Insecta, EPA registration number 45600-1, have granted Golden Bell Products the sole distribution and application rights within the State of California. Golden Bell Products has proven its expertise in selling and applying Insecta 45600-1 since 1997 and will maintain the sole source to Insecta until the year 2040.

Any California company that would use Insecta or Insecta Liquid is required to purchase the material from Golden Bell Products. If any bids were received indicating otherwise, the bidding company is misrepresenting itself. All Insecta 45600-1 product used for manhole cockroach control in sewer manholes is sold through Golden Bell Products.

Sincerely



Jim Lawrence
President

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____

Account #: _____

Vendor: _____

Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:03:55 -07'00' Date: 4/18/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: IDEXX Distributor, Inc.

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☐ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: _____

Manufacturer/Model Number: _____

Age: _____

Current Estimated Value: _____

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:The Joint Utilities Laboratory requests the use of IDEXX for bacteriological testing supplies. The lab is ELAP-certified to use IDEXX's Colilert products for detecting Total Coliform, Fecal Coliform, and E. coli in both drinking water and wastewater. IDEXX is the exclusive manufacturer of Colilert 18 and Tecta products. While third-party distributors like Thermo Fisher offer these products at a higher cost, direct procurement from IDEXX ensures competitive pricing and access to specialized lab discounts.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED-WW would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata
Date: 2025.04.18 21:04:17 -07'00'

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz, Purchasing Manager

FROM: Ivan Pedraza, Laboratory Manager

DATE: March 21, 2025

SUBJECT: Sole/Single Source Memo IDEXX Distribution, Inc. (IDEXX)

The Joint Utilities Laboratory hereby requests the utilization of IDEXX as its vendor for bacteriological testing. The laboratory holds certification through the Environmental Laboratory Accreditation Program (ELAP) to employ IDEXX's Colilert products for testing Coliforms Total, Fecal, and E.coli in both drinking water and wastewater samples. IDEXX stands as the exclusive producer of Colilert 18 and Tecta and related products.

As per our representative, IDEXX exclusively sells its products to Weber companies for dairy sample testing and to Thermo Fisher. Procuring Colilert 18 from Thermo Fisher would incur a 30% higher charge compared to purchasing it directly from IDEXX. Our past experience collaborating with IDEXX has been positive, finding them to be a cooperative company. Furthermore, they have extended special discounts on certain products utilized by the laboratory.

It's important to note that the contract cost is encompassed within the MUED's FY 2025-2026 budget.

02/06/2025

Please accept this letter as confirmation that IDEXX Distribution, Inc. (FEIN # 35-2186625) is a wholly owned subsidiary of IDEXX Laboratories, Inc. and is the ***sole supplier*** of the following products to the Water Market:

Product	**Sole Manufacturer**	**Sole Supplier in U.S. and Canadian Water Testing Markets****
Colilert* reagent	Yes	Yes
Colilert Comparator	Yes	Yes
Colilert*-18 reagent	Yes	Yes
Colisure* reagent	Yes	Yes
Enterolert* reagent	Yes	Yes
Pseudalert* reagent	Yes	Yes
Legiolert* reagent	Yes	Yes
IDEXX Vessels	Yes	Yes
Quanti-Tray* Sealer PLUS	Yes	Yes
Quanti-Tray*	Yes	Yes
All Colilert Starter Kits	Yes	Yes
All 20-pack, 100-pack, and 200-pack Combo Packs	Yes	Yes
IDEXX-QC kits[1]	Yes	Yes
Quanti-Cult™ QC kit	Yes	Yes
SimPlate* for HPC test kit	Yes	Yes
HPC for Quanti-Tray* reagent	Yes	Yes
EasyDisc* HPC tests	Yes	Yes
IDEXX Water SARS-CoV-2 RT-PCR Test	Yes	Yes
IDEXX Water DNA/RNA Magnetic Bead Kit	Yes	Yes
IDEXX Water Matrix and Fecal Control Kit	Yes	Yes
IDEXX Water Internal Control	Yes	Yes
Filta-Max* *xpress* Filter modules	Yes	Yes
Filta-Max *xpress* pressure Elution station	Yes	Yes
Filta-Max manual wash station	Yes	Yes
Filta-Max filter modules	Yes	Yes
Tecta* B4	Yes	Yes
Tecta B16	Yes	Yes
Tectalert tests (EC/TC, EC, FC, ENT)	Yes	Yes

** Utility, Public Health and Private labs performing environmental testing

Please note that IDEXX Distribution, Inc. was formed as a wholly owned subsidiary of IDEXX Laboratories, Inc.

I hope this information is of assistance. If you have any questions, please contact me at 1-800-321-0207
Sincerely,

Jamie Brunelle

1) IDEXX-QC kits: 98-29000-01, 98-29001-01, 98-29002-01, 98-29003-01, 98-29004-01, 98-29006-01, 98-29007-01, 98-0009287-01

*IDEXX, Colilert, Colilert-18, Colisure, Enterolert, Pseudalert, Legiolert, Quanti-Tray, SimPlate, EasyDisc, Filta-Max, Tecta and Tectalert are trademarks or registered trademarks of IDEXX Laboratories, Inc. or its affiliates in the United States and/or other countries. 102600-00

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: Combination Truck and CCTV
Account #: 501900-7205 ($25,000),7213($25,000); 521900-7102($5,000),7205($20,000),7208($60,000)
Vendor: Plumbers Depot
Amount: $135,000

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:05:20 -07'00' Date: 4/18/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 3/19/25

TO: Purchasing Division

FROM: Municipal Utilities & Engineering Dept.

Purchase Requisition # _____

Estimated Total Cost: $ 135,000

Proposed Vendor: Plumbers Depot

Request Term: 7/01/25 - 6/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☐ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: 2 Gapvax Combination Trucks & 1 CUES

Manufacturer/Model Number: MC1510-0455, MC1510-3S4S,HV44 Wet/Dry, DUC, Granite, OZ II, OZIII,

Age: 5-12

Current Estimated Value: 1M

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☒ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☒ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

3. Was an evaluation of other equipment, products, or services performed?
☐ Yes ■ No
If yes, please explain the type of evaluation performed and provide all supporting documentation:

Service, Warranty Work, and Supplies for GapVax & CUES

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. **Explain what action(s) the department would take if the sole/single source services were no longer available**

Wastewater Staff would be required to consult and seek an alternative provider and technology, affecting City's efforts to standardized equipment.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

Rev 1.31.19

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: James Estrada, Wastewater Collections System Supervisor

DATE: March 19th, 2025

SUBJECT: Sole/Source Memo Plumbers Depot, Inc.

The Municipal Utilities & Engineering Department is requesting to use Plumbers Depot Inc. for the service, maintenance, and replacement of parts for the wastewater collection and water distribution teams' GapVax and CUES camera systems. These pieces of equipment are critical for the teams' daily operations in maintaining clean sewer lines, responding to after-hour callouts, and inspecting and documenting sewer line details throughout the city.

The wastewater and water distribution division currently has three (3) GapVax trucks and one (1) CUES camera system that require continuous maintenance, service, software upgrades, and replacement parts. Plumber Depot Inc. can provide the procurement of non-competitive/sole source pricing of this equipment.

The cost is included in MUED's FY 2025/26 budget.

January 3, 2025

RE: Plumbers Depot, Sole Source Provider of GapVax Products

To Whom It May Concern,

The purpose of this letter is to confirm that Plumber Depot is the sole GapVax factory authorized dealership for Southern California for GapVax MC Series combination trucks, service, repairs and trouble shooting.

Contact:

Plumbers Depot
3921 West 139th Street
Hawthorne, CA 90250
Phone 310-355-1700
Cell 310-753-1110
Contact: Jose Martin

Please feel free to contact me with any questions or concerns.

Thank you,



Matthew Hughes
Senior Vice President, Sales
GapVax Inc.
Phone 814-535-6766

"The Standard of the Industry"

CUES WEST

1943 S. Augusta Ct.
Ontario, CA 91761
(909) 923-2001
(909) 923-2091 (Fax)
(800) 544-8695 (WATTS)

January 3, 2025

Cues Sole Source/OEM

Plumbers Depot Inc, Hawthorne CA is the Sole Distributor of Cues Products and repairs in Southern California.

- CUES is the sole manufacture and supplier of "OEM ***(Original Equipment Manufacturer)"*** products/parts for your existing CUES TV equipment. Due to compatibility and warranty issues CUES recommends the purchase of "OEM" components and parts.
- CUES West maintains several million dollars in parts and loaner inventory that eliminates the need to have excessive parts stocked at your facility.
- There is one factory direct OEM service center located in Ontario, CA. This allows for easy **same day support** which will limit downtime and maximize return on investment.

Feel free to contact me with any questions.

Regards,

Matt Olson
Regional Sales Manager
molson@cuesinc.com

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____
Account #: _____
Vendor: _____
Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: LaWanda Butler Date: 4/4/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Polydyne, Inc.

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☐ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: _____

Manufacturer/Model Number: _____

Age: _____

Current Estimated Value: _____

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☐ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Polydyne, Inc. supplies Clarifloc WE-1582 and Flosperse SC 122 CM, two essential chemicals used in the wastewater treatment plant's dewatering process. These proprietary formulations are exclusively manufactured by Polydyne and are critical for efficient sludge thickening and separation in the centrifuge system. With approximately 38 gallons used daily to process 70,000 gallons of sludge, these chemicals support effective solids handling and disposal. No other manufacturer is authorized to produce these specific products.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED-WW would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:07:13 -07'00' 04/18/2025

Prepared by Date

_____

Department Director Date

Purchasing Approvals

_____

Purchasing Agent Approval Date

_____

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Single Source Memo Polydyne, Inc.

The Municipal Utilities & Engineering Department is requesting to utilize Polydyne, Inc. for the purchase of two essential chemicals, Clarifloc WE-1582 and Flosperse SC 122 CM, utilized in our wastewater treatment plant's dewatering processes.

The chemicals Clarifloc WE-1582 and Flosperse SC 122 CM play a pivotal role in our wastewater treatment operations. Their unique molecular structure, molecular weight, and specific raw materials composition are exclusively provided by Polydyne Inc. No other manufacturer is authorized to produce these chemicals.

These chemicals are integral to our dewatering processes, specifically designed to promote sludge particle aggregation, facilitating more efficient dewatering within our centrifuge system. With approximately 38 gallons of polymer used per day, we process approximately 70,000 gallons of sludge daily. The addition of these chemicals separates solids from liquids, aiding in the thickening of sludge and the dewatering of contaminated materials, thereby easing handling and disposal procedures.

The cost is included in MUED’s FY 2025/2026 budget.

Emailed to: jhamburger@cityofredlands.org cc: skilday@cityofredlands.org

February 5, 2025

Mr. Joseph Hamburger
City of Redlands
Wastewater Operations Supervisor
1950 Nevada St.
Redlands, CA. 92374

SUBJECT: Sole Source Declaration and Price Quotation

Dear Mr. Hamburger:

We trust this letter will serve your needs in defining Polydyne Inc. as the sole source manufacturer and supplier of the following products supplied to the City of Redlands:

CLARIFLOC™ WE-1582

The above-named CLARIFLOC™ polymer has a molecular structure, molecular weight, and particular raw material components that are unique to Polydyne's CLARIFLOC™ product line. CLARIFLOC™ is Polydyne's trademark and no other vendor is authorized to supply these products.

.

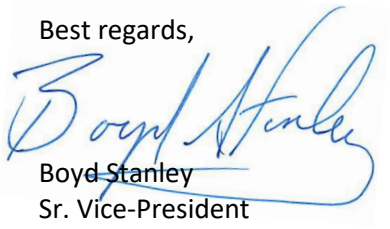
Pricing for the period of July 1, 2025 through June 30, 2026, shall be as follows:

PRODUCT	UNIT PRICE	PACKAGE
CLARIFLOC™ WE-1582	$1.65/LB. DELIVERED*	2300 LB. TOTE

***Unit price does not include any applicable tax. Tax will appear as a separate line item on invoices.**

Thank you for your business! If you have any questions or need additional information, please feel free to contact Olawale Igbekoyi, Technical Sales Representative, at (661) 803-2466.

Best regards,



Boyd Stanley
Sr. Vice-President

P.O. request CHECKLIST for Single/Sole Source

(Check applicable)

P.O. for: Automated Control Valves
Account #: 501900
Vendor: R&B Automation
Amount: $75,000

1.	☑	Signed Single/Sole Source form
2.	☐	PR
3.	☑	Supporting docs: quote from Single/Sole source
4.	☑	W9
5.	☑	Insurance
6.	☑	Business License
7.	☐	Bond (if applicable)
8.	☑	Council approval/minutes (if applicable)
9.	☑	Agreement (if applicable)
10.	☐	SAM (Purchasing-internal) over $20,000
11.	☑	Prepare memo to CMO

Completed By: _____ Date: _____

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date:_____

TO: Purchasing Division

FROM: MUED - Water

Purchase Requisition # Annual PO

Estimated Total Cost: $ 75,000

Proposed Vendor: R&B Automation

Request Term: FY 25/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Automated valve control equipment

Manufacturer/Model Number: Amua / Multiple

Age: 3 - 21

Current Estimated Value: $250,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

R&B Automation is the sole source provider and manufacture representive for Auma supplies, support and warranty. Rep. letters and sole source memo attached.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

Explore alturantive suport suppliers which will likley lead to sole source procurment.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Paul Mariscal 4/14/25

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz, Purchasing Manager

FROM: Paul Mariscal, Water Utility Manager

DATE: April 14, 2024

SUBJECT: Sole/Single Source Memo R&B Automation

MUED is requesting to utilize R&B Automation for preventative maintenance, parts and service of Auma actuator equipment for the City's Water Treatment Plants. Electric actuators are a key component of the Water Treatment Plant operation and assure proper plant operation and maintain regulatory compliance. Without properly maintained and operating actuator equipment the City's water treatment plant facilities would be inoperable and would result in costly downtime and possible regulatory violations.

Currently, over 16 actuators are in need of preventative maintenance and several actuators are in need of repair or replacement. Properly maintaining these critical components reduces costly malfunctions, increases operational efficiency, and maintains critical operating reliability.

The attached sole / single source letter explains R&B Automation is the exclusive distributor for Auma actuators in Southern California. The City has issued annual purchase orders for R&B Automation for the past several years to perform preventative maintenance and make emergency repairs to maintain operational functionality.

Service and material alternatives would result in costly equipment mark up, increased down time and void manufacture warranties.

Solutions for a world in motion

SIPOS AKTORIK DREHMO VALVE ACTUATORS GFC haselhofer actuators

Date: April 7, 2025

City of Redlands
Attn: Paul Mariscal
Water Production
Operations Superintendent
955 Park ford Dr.
Redlands, CA 92373

This letter is to confirm that R&B Automation, Inc. located in Temecula CA is the exclusive distributor of AUMA product lines in Southern CA. R&B Automation is authorized to perform field automation, all retrofit, service, repairs, and training within their territory. There are no other distributors authorized by AUMA to sell AUMA products directly into Southern CA. All correspondence, including purchase orders should be sent to:

R&B Automation, Inc.
42180 Zevo Dr.
Temecula, CA 92589
951-693-0170

Please do not hesitate to contact the undersigned should additional information be required.

Best Regards,

Lido Flores

AUMA Western Regional Manager
Cell: 714-318-8596
E-mail: lido.flores@auma-usa.com

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____

Account #: _____

Vendor: _____

Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: LaWanda Butler Date: 4/4/25

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Rockwell Engineering & Equipment Company

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Chopper Pumps & Progressive Cavity PUmp

Manufacturer/Model Number: _____

Age: 1-35 Yrs

Current Estimated Value: $280,000

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Rockwell Engineering & Equipment Co. Inc. supplies parts and replacements for Vaughan Chopper Pumps used at the City's WWTP. These pumps have operated in the digesters and MBR system for 15–20 years, helping to macerate solids and protect downstream equipment. Rockwell is the exclusive provider authorized by Vaughan Company Inc. to supply these parts to the City of Redlands. Their support ensures continued efficiency and reliability of critical treatment processes.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ☐ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED-WW would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:08:05 -07'00' 04/14/2025

Prepared by Date

_____

Department Director Date

Purchasing Approvals

_____

Purchasing Agent Approval Date

_____

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Source Memo Rockwell Engineering & Equip Co Inc.

The Municipal Utilities & Engineering Department (MUED) is requesting to utilize Rockwell Engineering & Equipment Co. Inc. for the procurement of parts, replacements, and services related to Vaughan Chopper Pumps at the City's Wastewater Reclamation Facility. The City of Redlands has maintained a 15-year relationship with Rockwell Engineering & Equipment, the exclusive provider of Vaughan Chopper Pumps, parts, and service.

Vaughan Chopper Pumps have been in operation for the past 15–20 years at the facility's digesters and within the Membrane Bioreactor (MBR) system. These pumps are designed to macerate incoming solids before transfer, protecting downstream equipment from clogging and enhancing overall process performance and reliability. Regular preventative maintenance and replacement parts are essential to ensure continued efficiency and operational integrity.

The appointed Vaughan Company Inc. representative and sole source for the City of Redlands, including sales, service, and parts, is Rockwell Engineering & Equipment Co. Inc. Please contact them directly for pricing, technical information, or any required support.

The cost for these services and equipment is already included in MUED's Fiscal Year 2025–2026 budget.

February 7, 2025

City of Redlands Wastewater Operations Supervisor
1950 N. Nevada St.
Redlands, CA 92374

The appointed Vaughan Company Inc. Representative and sole source for the City of Redlands, CA including sales, service and parts is Rockwell Engineering. Please contact them for pricing, information or any other assistance you require.

Rockwell Engineering & Equipment
2913 El Camino Real
Ste 337
Tustin, CA 92782

Phone: 714-505-9700
Fax: 714-505-9800
E-mail: brad@rockwellengineering.com

Sincerely,

Stefanie Vaughan
Vaughan Company, Inc.
Phone: 360.249.4042 ext. 227
E-Mail: stefanie@chopperpumps.com

P.O. request CHECKLIST for Single/Sole Source

(Check applicable)

P.O. for: Well & Booster Pump Motors
Account #: 501900 / 521900
Vendor: Sulzer
Amount: $185,000

1.	☑	Signed Single/Sole Source form
2.	☐	PR
3.	☑	Supporting docs: quote from Single/Sole source
4.	☑	W9
5.	☐	Insurance
6.	☑	Business License
7.	☐	Bond (if applicable)
8.	☑	Council approval/minutes (if applicable)
9.	☐	Agreement (if applicable)
10.	☐	SAM (Purchasing-internal) over $20,000
11.	☐	Prepare memo to CMO

Completed By: _____ Date: _____

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date:_____

TO: Purchasing Division

FROM: MUED - Water & Wastewater Division

Purchase Requisition # Annual PO

Estimated Total Cost: $ 185,000

Proposed Vendor: Sulzer

Request Term: FY 25/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Well & Booster Pump Motors

Manufacturer/Model Number: US Motors

Age: 1 - 17

Current Estimated Value: $375,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

Sulzer is the sole source provider and manufacture representive for US Motors supplies, support and warranty. Rep. letters and sole source memo attached.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

Explore alturantive suport suppliers which will likley lead to sole source procurment.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Paul Mariscal 4/14/25

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz, Purchasing

FROM: Paul Mariscal, Water Utility Manager
Fernando Mata, Wastewater Utility Manager

DATE: April 8, 2025

SUBJECT: Sole/Single Source Memo Sulzer

MUED is requesting to utilize Sulzer to provide repair parts and materials, maintenance and service for the City's Water and Wastewater well and booster pump equipment.

Sulzer is recognized as an Electrical Apparatus Service Association (EASA) member and service center. EASA has developed an international accreditation program to evaluate service centers for compliance with prescribed best practices that are followed to maintain motor efficiency and reliability during electrical and mechanical repairs. Sulzer is relied upon to provide warranty work and other repairs and parts needed to maintain the City's wells and booster pump motors on a routine basis and in the event of an emergency.

Sulzer is also a US Motors authorized supplier which is a standardized electrical motor utilized in many of the City's deep well pump applications. Us Motors has been used by the City to operate its critical infrastructure for over 40 years and has benefited from its local relationship with Sulzer.

Below is additional supporting justification for utilizing Sulzer as a sole/single source provider.

Sulzer:

- US Motor standardization allows for electric motors to be compatible based on horsepower and frame size allowing for motor repairs and replacement to be more cost effective
- US Motors distributor accredited by Electrical Apparatus Service Association (EASA)
- Conformance to AR100 standards which conforms to best practice
- Provides warranty work as a US Motors authorized supplier
- Only US Motor EASA vendor within a 75 mile radius.
- Only motor rewind shop capable of rewinding motors up to 500HP within 100 mile radius.
- Sulzer offers a full service machine shop.

Sulzer EMS
Colton Service Center
620 S Rancho Ave
Colton, California 92324

Telephone: 909-825-7971

Paul Mariscal
City of Redlands

Colton Service Center what sets us apart.

Sulzer Electro Mechanical Services (US) Inc. is the only motor repair service in 60 miles that carries an EASA Accreditation. We strictly adhere to the AR100-2015 Standard. We are also Green motor accredited. We will also become an ISO 9001 , ISO 14001, and ISO 145001 certified by 2026.

Sulzer Electro Mechanical Services (US) Inc. carries, and is an authorized distributor, for US Motors (Nidec), GE, ABB/Baldor, Lesson, Tatung, Toshiba, Euro Drive, Worldwide, Marathon, and Leroy Somers. We are also an authorized warranty center for GE, Baldor, and US motors.

Sulzer Electro Mechanical Services (US) Inc. is part of 7 service centers across the US with years of combined experience on all motors.

Sulzer Electro Mechanical Services (US) Inc. Safety record is unmatched with 0 reportable injuries in 5 years.

Sulzer Electro Mechanical Services (US) Inc. sends detailed reports with all repairs.

Sulzer Electro Mechanical Services (US) Inc. is authorized to sale and install Toshiba drives and we have the engineering and CAD capabilities for most LV drive needs.

Thank you for considering us for a contract renewal

Gary Patton
Service Center Manager
Sulzer Services
Colton CA
(909) 825-7971

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____
Account #: _____
Vendor: _____
Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☐	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:09:23 -07'00' Date: 4/18/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Thermo Electron North America, LLC

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Two (2) Integrion and One (1) Aqua Gallery Discrete Analyzer

Manufacturer/Model Number: Dionex Integrion/Thermo Fisher Aqua Gallery

Age: 1-6 Yrs.

Current Estimated Value: $250,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☐ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☒ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

Per TNI standards, the Laboratory must identify a certified company capable of performing PM. If such services are not avail., our lab must replace the equipment or contract analysis

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:09:45 -07'00' 04/14/2026

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz – Daniel, Procurement Manager

FROM: Ivan Pedraza, Laboratory Manager

DATE: February 09, 2025

SUBJECT: Sole/Single Source Memo Thermo Electron North America, LLC (TENA)

The City's Joint Utilities Laboratory respectfully requests the utilization of Thermo Electron North America, LLC (TENA) for its laboratory service contract concerning two Integrion instruments and one Gallery Aqua Master instrument. The laboratory holds certification from The Environmental Laboratory Accreditation Program (ELAP), mandating the annual maintenance, calibration, and preventive maintenance of its instruments. It is noteworthy that Thermo Electron North America is the sole company certified by Dionex to execute preventive maintenance and repair on their instrument.

TENA offers the City of Redlands one scheduled preventive maintenance visit, inclusive of a standard PM kit, an unlimited number of on-demand, on-site corrective maintenance visits with a maximum 72-hour response time, factory-certified labor and parts, priority status for technical support telephone inquiries (with a response time within 2 hours), a 10% loyalty discount on parts, accessories, and consumables during the contract's effective period, and, significantly, software updates and notifications.

The associated cost is covered within MUED’s FY 2025-2026 budget.

February 11, 2025

Ivan Pedraza
CITY OF REDLANDS
1950 NEVADA STREET
REDLANDS CA 92374

RE: Sole Source letter for Thermo Fisher Scientific support plan Q; 22257432

Dear Ivan,

Thermo Fisher Scientific companies are the sole source instrument manufacturer and service provider for Thermo Scientific Chromatography System proprietary parts, training, technical support, field service support, and software.

The legal entity distributing the Thermo Scientific Chromatography System instrument(s) you ordered is Thermo Electron North America LLC, which is a part of Thermo Fisher Scientific. Thermo Fisher Scientific is the world leader in analytical instruments, complimented by the most comprehensive services portfolio in the industry. Our instrument solutions enable our customers to make the world healthier, cleaner, and safer.

The Thermo Fisher Scientific instruments on quote **22257432** and any attached peripherals use a technologically advanced method to analyze chemicals and to identify unknown samples. Thermo Fisher Scientific has proprietary rights to the design and software utilized in these instrument(s). Thermo Fisher Scientific is the only company with access to proprietary: performance verified component parts, spare parts, software, technical support, upgrades and engineering resources to maintain the original operating specifications for your Thermo Fisher Scientific instrument. Thermo Fisher Scientific Field Service Engineers (FSE's) are the only company certified and factory trained engineers available to service these instrument(s), and are part of an organization that is ISO certified.

The prices listed on the support plan are those charged to any other customer with the same instrument model and age, configuration, and contract type.

We appreciate the opportunity to continue the valued service relationship with you. Please contact me if you have any questions regarding this information.

Sincerely,

Christian Kobal
Senior Territory Manager
Unity Lab Services

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____
Account #: _____
Vendor: _____
Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: LaWanda Butler Date: 4/4/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Unison Solutions, Inc.

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☐ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: BIO-GAS CONDITIONING SKID & CHILLER

Manufacturer/Model Number: BGS-170-331-HS

Age: 3 Yrs.

Current Estimated Value: $3.5M

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☒ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Unison Solutions provides removal and replacement of gas conditioning media for the biogas conditioning system at the City's wastewater treatment plant. The system purifies biogas by removing siloxane, VOCs, and hydrogen sulfide in compliance with air quality regulations. As the original equipment manufacturer, Unison Solutions is the sole source for the skid components and media, ensuring proper function and compatibility.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

Wastewater Staff would be required to consult and seek an alternative provider and technology, affecting City's efforts to standardized equipment.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:11:03 -07'00' 04/18/2025

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
MUED Director

TO: Dana Abramovitz-Daniel, Procurement Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Single Source Memo Unison Solutions, Inc

The Municipal Utilities & Engineering Department is requesting to utilize Unison Solutions for services and removal/replacement of gas conditioning media for the biogas conditioning system parts. The new gas conditioning unit at the wastewater treatment plant is in place to purify biogas, removing siloxane/VOC and hydrogen sulfide, following regional air quality guidelines.

Since Unison Solutions is the manufacturer of skid and removal media, these products must be purchased directly from Unison Solutions. Therefore, Unison Solutions can provide non-competitive/sole source pricing for services and the removal/replacement of gas conditioning media.

The cost is included in MUED's FY 2025/2026 budget.

March 18,2025

Fernando Mata
Wastewater Utility Manager
City of Redlands Wastewater Treatment
Subject: Sole Source Representative

Dear Mr. Mata:

Unison Solutions, Inc. is the sole manufacture of its products and the exclusive provider for any ancillary products within its scope. New products, OEM repair parts, repairs and maintenance for Unison supplied equipment including ancillary equipment can only be provided by Unison Solutions, Inc.

Your contact for Unison Solutions, Inc. is:

Don Weeden
Unison Solutions, Inc.
5451 Chavenelle Rd
Dubuque, IA 52002
P 563-585-0967
F 563-585-0970
C 563-542-6577
don.weeden@unisonsolutions.com

If you have questions regarding this issue, please contact me at your convenience.

Sincerely,

Don Weeden
Service Supervisor

March 18, 2025

Re: Part numbers UNI-CL15E, UNI-CL2E, UNI-CL15V, UNI-CL2V, UNI-CL15X, UNI-CL2X, UNI-CL3X, UNI-CL3E and UNI-CL3V

To whom it may concern:

This letter is to confirm that the siloxane removal media is a sole source product, sold and distributed exclusively by Unison Solutions, Inc. to meet the requirements of their biogas conditioning system. This product must be purchased directly by institutions from Unison Solutions, Inc. at the following address:

Unison Solutions, Inc.
5451 Chavenelle Rd.
Dubuque, IA 52002
If you desire additional information, please feel free to contact me at 563-585-0967 or visit our website at www.unisonsolutions.com. Thank you for your interest in our products.

Sincerely,



Kim Murdock-Timmerman
Unison Solutions, Inc.

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: _____

Account #: _____

Vendor: _____

Amount: _____

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☑	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☑	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:12:01 -07'00' Date: 4/18/25

rev. 10.29.18

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: _____

Purchase Requisition # _____

Estimated Total Cost: $_____

Proposed Vendor: Vaughan's Industrial Repair Co.

Request Term: 07/01/25-06/30/26

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: Vertical Turbine Pumps & Centrifugal Blowers

Manufacturer/Model Number: 3-Stage 8211 VTP, S/N: 10616794

Age: 1-40 Yrs.

Current Estimated Value: $1.8M

☒ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☐ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☒ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☒ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:Vaughan's Industrial Repair provides preventative maintenance, parts, and potential rebuilds for three vertical turbine pumps at the equalization basins and four centrifugal blowers at the aeration basins. As outlined in the sole source letter, their familiarity with this equipment ensures precise service and reliable performance. Their expertise minimizes operational disruptions and supports long-term equipment functionality.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

MUED-WW would need to consult internally and seek an alternative provider or technology. This could affect our timeline, budget, and standardization of equipment or processes.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Fernando Mata Digitally signed by Fernando Mata
Date: 2025.04.18 21:12:21 -07'00'

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz, Purchasing Manager

FROM: Joseph Hamburger, Wastewater Operations Supervisor

DATE: March 28, 2025

SUBJECT: Sole/Single Source Vaughan's Industrial Repair

MUED's Wastewater Division is requesting to utilize Vaughan's Industrial Repair for a comprehensive range of services, including preventative maintenance, parts and supplies, and the potential rebuilding of key equipment. Specifically, this request pertains to the three (3) vertical turbine pumps located at the equalization basins and the four (4) centrifugal blowers situated at the aeration basins, as indicated in the attached sole source letter.

By engaging Vaughan's Industrial Repair, the Wastewater Division aims to ensure the optimal performance and reliability of these critical components. Preventative maintenance services will encompass regular inspections, cleaning, lubrication, and adjustment of the vertical turbine pumps and centrifugal blowers. Additionally, any necessary repairs or replacements of parts will be facilitated through Vaughan's expertise and access to high-quality components.

In instances where the equipment requires more extensive attention, such as potential rebuilds, Vaughan's Industrial Repair possesses the knowledge and capability to execute the task efficiently and effectively. Their experience and specialized skill set make them a suitable partner to address any significant refurbishment or reconstruction needs of the vertical turbine pumps and centrifugal blowers.

The utilization of Vaughan's Industrial Repair as a sole source provider offers the advantage of their in-depth familiarity with the specific equipment involved. Their expertise ensures that the maintenance, parts, and potential rebuild are carried out with precision, minimizing potential disruptions to operations and maximizing the lifespan and functionality of the vertical turbine pumps and centrifugal blowers.

The cost for these services and equipment has been accounted for in the Municipal Utilities & Engineering Department's FY 2025/2026 budget.

FAIRBANKS NIJHUIS
3601 Fairbanks Avenue
Kansas City, KS 66106
United States
www.fairbanksnijhuis.com

April 29, 2025

To: Vaughan's Industrial Repair Co.

Attention: Jack Wilber

Subject: Authorized Service Center

Dear Mr. Wilber:

Please be advised that your status as an Authorized Service Center for Pentair/Fairbanks Nijhuis has been renewed for 2022. This includes all Fairbanks Nijhuis products, as well as all products previously manufactured under the Fairbanks Morse brand. The agreement is valid for the specific Models and Sizes listed in Paragraph 1.a. in the original agreement.

Please feel free to share this achievement with our customers as needed.

If you have any questions please give me a call.

Sincerely,

Pentair Flow Technologies, LLC



Edward Ernst
Field Service Manager, Pentair Flow Technologies, LLC

cc: Ed Guffee

To: **City of Redlands**

From: **Mr. Brian Schnurle**

Date: **February 26, 2025**

Subject: **Sole source statement**

The Spencer Turbine Company manufacturers customized air moving equipment and accessories. The product line includes such items as blowers, fans, hermetic gas movers, central vacuum cleaning systems, filter collectors, tubing/fittings systems, UL listed electrical control panels, etc.

Many products sold here are customized and designed for a particular use by our customers. And require specialized repair by certified repair centers.

The Spencer Turbine Company herby states that Vaughan's Industrial Repair CO. of 16224 Garfield Ave. Paramount, CA. 90723 is the sole authorized service facility for repair and maintenance in the territories of California, Arizona and Nevada. Please feel free to contact me with any further questions or concerns.

Regards,

Mr. Brian Schnurle
J.E. Phillips/Spencer/Howden Roots

P.O. request CHECKLIST for Single/Sole Source

(Check applicable)

P.O. for: WTP Analytical Equipment
Account #: 501900/521900
Vendor: Veolia WTS
Amount: $35,000

1.	☑	Signed Single/Sole Source form
2.	☐	PR
3.	☑	Supporting docs: quote from Single/Sole source
4.	☑	W9
5.	☑	Insurance
6.	☑	Business License
7.	☐	Bond (if applicable)
8.	☑	Council approval/minutes (if applicable)
9.	☐	Agreement (if applicable)
10.	☐	SAM (Purchasing-internal) over $20,000
11.	☐	Prepare memo to CMO

Completed By: Paul Mariscal Date: 4/14/25

Sole Source/ Single Source/ Standardization Form

For procurement of supplies, equipment and services valued at $5,000 and over

NOTE: Every question must be answered with appropriate documentation attached; incomplete forms will be immediately rejected by Purchasing.

Date: 4/14/25

TO: Purchasing Division

FROM: MUED - Water & Waster Division

Purchase Requisition # Annual PO

Estimated Total Cost: $_____

Proposed Vendor: Veolia WTS

Request Term: FY 24/25

This form must accompany the purchase document whenever an exception to the competitive process is requested. Requests for goods and/or services from a specific vendor or limited to a specific brand, where substitutes to the recommended vendor or brand are unacceptable, must be accompanied by a written justification explaining the circumstances that make alternatives unacceptable.

The City Manager will determine whether the justification is appropriate. Requests for exception must be supported by factual statements that will pass an audit.

INSTRUCTIONS

1. Please check all applicable categories (a. through i.) below and provide additional information where indicated.

☒ a. The requested product is an integral repair part or accessory compatible with existing equipment.

Existing Equipment: WTP Analytical Equipment

Manufacturer/Model Number: Various Analyzer & Monitoring Equipment

Age: 2 - 11

Current Estimated Value: $75,000

☐ b. The requested product has unique design/performance specifications or quality requirements that are not available in comparable products.

☒ c. I have standardized the requested product and the use of another brand/model would require considerable time and funding to evaluate.

☒ d. The requested product is one in which I (and/or my staff) have specialized training and/or extensive expertise. Retraining would incur substantial cost in time and/or funding.

☐ e. The requested product is used or demonstration equipment available at a lower-than-new cost.

☐ f. Repair/Maintenance service is available only from manufacturer or designated service representative.

☐ g. Upgrade to or enhancement of existing software is available only from manufacturer.

☐ h. Service proposed by vendor is unique; therefore, competitive bids are not available or applicable.

☐ i. Other factors (provide detailed explanation in #2 below).

2. Provide a detailed explanation and pertinent documentation *for each category* checked in item 1 above. Attach additional sheets if necessary:

Veolia is the sole source provider and manufacture representive for SUEZ and Seivers supplies, support and warranty. Rep. letters and sole source memo attached.

3. Was an evaluation of other equipment, products, or services performed?

☐ Yes ■ No

***If yes, please explain the type of evaluation performed and provide all supporting documentation*:**

4. List below the name of each individual who was involved in the evaluation, if conducted, and in making the recommendation to procure this product or service. Attach additional information, if necessary.

5. Explain what action(s) the department would take if the sole/single source services were no longer available

Explore alturantive suport suppliers which will likley lead to sole source procurment.

6. I certify that the above information is accurate to the best of my knowledge, and a signed copy of this document will be kept on file and available for audit in my department

Paul Mariscal 4/14/25

Prepared by Date

Department Director Date

Purchasing Approvals

Purchasing Agent Approval Date

City Manager Approval Date

City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7698

John R. Harris
Director

TO: Dana Abramovitz, Purchasing Manager

FROM: Paul Mariscal, Water Utility Manager
Fernando Mata, Wastewater Utility Manager

DATE: April 14, 2026

SUBJECT: Veolia WTS Analytical Sole/Single Source Request

MUED is requesting to utilize Veolia WTS Analytical for preventive maintenance, parts, and service of (2) Sievers M5310 online Total Organic Carbon (TOC) analyzers. These analyzers are used in the City's surface water treatment plants, and in addition, the wastewater treatment plant's Membrane Bioreactor facility (MBR) commissioned in 2003 is designed and patented by Veolia WTS. TOC analysis is a key component of water treatment plant operations, which helps to assure proper plant operation and maintain regulatory compliance. The MBR facility is comprised of proprietary technology developed by Zenon, a wholly owned business of Veolia WTS. Without properly maintained and operating analyzers and process equipment, the City's water and wastewater treatment plant facilities risk regulatory compliance monitoring violations and the inability to produce potable and recycled water for customers.

The attached rep letter explains that Veolia WTS Analytical is the sole manufacturer of Sievers products, OEM repair/replacement parts, consumables, including Sievers certified reference materials and vials, repairs, and maintenance. A subsequent letter confirms that a sole source purchase with Veolia WTS will be required to procure parts and/or service for the MBR facility. Therefore, service and support materials are not available through alternative suppliers.

Funding for this request is available in the water/wastewater operations fund 501900/521900.

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: MUED Uniforms & Linen Cleaning Services
Account #: 501900-6905 ($42,500); 521900-6905 ($38,000)
Vendor: Cintas Corporation
Amount: $80,500

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☐	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☑	Business License
9.	☑	Staff Report (signed)
10.	☑	Agreement (signed)
11.	☐	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Date: 4/14/25

rev. 10.29.18

Cintas

America's Leader in the Service Industry

With Cintas & OMNIA Partners, getting your facility Ready for the Workday® is easier than you might think. Cintas Corporation helps more than one million businesses of all types and sizes get ready™ to open their doors with confidence every day by providing a wide range of products and services that enhance their image and help keep their facilities and employees clean, safe and looking their best. With products and services including uniforms, mats, mops, restroom supplies, first aid and safety products, fire extinguishers and testing, and training and compliance courses, Cintas helps customers get **Ready for the Workday®**.



The Gold Partnership Excellence Award represents the pinnacle of collaborative achievement. This prestigious medallion is bestowed upon our most outstanding suppliers, celebrating their unwavering commitment to fostering a strong partnership. Distinguished by their exceptional dedication to mutual success, Gold Awardees have demonstrated

unparalleled excellence in driving growth and embodying the spirit of true collaboration. This coveted honor reflects a profound synergy that propels both our organizations to new heights.

Click Your Industry

Education | Government

Nonprofit

Corporate | Enterprise

Real Estate

Private Equity

Public Sector

K-12 Education

Higher Education

State & Local Government

For years, Cintas Corporation has been collaborating with the public sector to provide cleaning products, janitorial supplies as well as a variety of maintenance products and services. Our cooperative purchasing strategy with

Cintas will help your agency lower costs while saving you time and resources. With OMNIA Partners, there is no extra cost to participate so you don't have to stress about hidden fees.

- **Facilities Management Products and Solutions**
  Prince William County Public Schools, VA | R-BB-19002
- **Rental of Uniforms, Floor Mats, Mops, Towels, and Related Services**
  City of Tucson, AZ | 222886
- **Workplace Solutions**
  The University of Nebraska | 001299

VIEW CONTRACT DOCUMENTATION

CONTACT US



Cintas Contract Documentation

U.S. Communities, National IPA, & NCPA are wholly-owned subsidiaries of OMNIA Partners, dba OMNIA Partners, Public Sector. All public sector participants already registered with National IPA, U.S. Communities, or NCPA continue to have access to all contracts, with certain exceptions, in the portfolio and do not need to re-register to use a legacy National IPA, legacy U.S. Communities, legacy NCPA, or new OMNIA Partners contract. U.S. Communities, National IPA, and NCPA remain separate legal entities and lead agency contracts completed under each brand are effective and available for use through the contract's approved term. In the event we believe re-registration is necessary for any reason, OMNIA Partners will let you know.

Facilities Management Products and Solutions

Prince William County Public Schools, VA
Contract Number: R-BB-19002

Initial Term: December 13, 2018 through October 31, 2023
Renewal Options: Option to renew for two (2) additional two-year periods through October 31, 2027
RENEWED THROUGH October 31, 2027

Executive Summary

- Uniform Guidance
- Due Diligence

Master Agreement Documents

- Official Signed Contract
- New Jersey LFN Packet
- Contract Renewal 1
- Contract Renewal 2
- Contract Amendment 1
- Contract Amendment 2
- Contract Amendment 3
- Contract Amendment 4
- Contract Amendment 5
- Contract Amendment 6
- Contract Amendment 7
- Contract Amendment 8
- Contract Amendment 9
- Contract Amendment 10
- Contract Amendment 11
- Contract Amendment 12

Response Evaluation

- Supplier Response to RFP
- Response Evaluation and Notice of Award

Solicitation Process

- Original RFP Document
- RFP Amendment
- Proof of Publication

Rental of Uniforms, Floor Mats, Mops, Towels, and Related Services

City of Tucson, AZ

Contract Number: 222886

Initial Term: July 14, 2022 through July 13, 2025
Renewal Options: Option to renew for one additional two-year period through July 13, 2027
RENEWED THROUGH July 13, 2027

Executive Summary

- Executive Summary - OMNIA Partners
- OMNIA Partners - City of Tucson
- Pricing
- Due Diligence

Master Agreement Documents

- Official Signed Contract
- Contract Award Documents
- Contract Addendum 1
- Contract Addendum 2
- Contract Addendum 3

Response Evaluation

- Supplier Response to RFP
- Evaluation Documents

Solicitation Process

- Original RFP Document
- RFP Amendment 1
- Proof of Publication
- Historically Underutilized Business Outreach

Workplace Solutions

The University of Nebraska
Contract Number: 001299

Initial Term: June 1, 2023 through May 31, 2028

Renewal Options: Option to renew for one (1) additional five-year period through May 31, 2033

Executive Summary

- Executive Summary
- Pricing
- Due Diligence

Master Agreement Documents

- Official Signed Contract
- Contract Addendum 1
- Contract Addendum 2
- Contract Addendum 3

Response Evaluation

- Supplier Response to RFP

Solicitation Process

- Original RFP Document
- Proof of Publication
- Historically Underutilized Business Outreach

5001 Aspen Grove Drive
Franklin, TN 37067

info@omniapartners.com
(866) 875-3299

Workplace Solutions
Cooperative Acceptance Agreement

CINTAS
READY FOR THE WORKDAY

Location #: 698
Contract #: 210332974
Customer #: 14190671
Main Corporate Code → 13897 GPO# 211011196 MLA# 211011348 Date:
Customer/Participating Agency: City of Redlands ("Customer") Phone: 909-798-7506
Address: 1950 Nevada St City: Redlands State: CA Zip: 92374

UNIFORM PRODUCT RENTAL PRICING:

ITEM #	DESCRIPTION	STANDARD ITEM	UNIT PRICE	LOSS/DAMAGE REPLACE. VALUE
x270	Cargo Pants	☑ Yes ☐ No	0.485	26.10
x294	Carhartt FR Work Shirt	☑ Yes ☐ No	0.577	58.50
x396	Carhartt Ripstp Shirt	☑ Yes ☐ No	0.588	49.491
x945	Comfort Pant	☑ Yes ☐ No	0.311	23.40
x935	Comfort Shirt	☑ Yes ☐ No	0.271	21.60
x912	Coverall	☑ Yes ☐ No	0.455	21.27

Space for additional entries provided on page 5

This Workplace Solutions Cooperative Acceptance Agreement (this "Acceptance Agreement") is effective as of the date of execution for a term of 60 months from the date of installation or renewal (the "Term").

Standard Name Emblem	$ ea	Standard Agency Emblem	$ ea
Custom Agency Emblem	$ ea	Embroidery	$ ea
Uniform Advantage	Item:		$ ea per week
Premium Uniform Advantage	Item:		$ ea per week
Emblem Advantage	Item:		$ ea per week
Prep Advantage	Item:		$ ea per week
Minimum Charge	$35 per delivery or 50% of initial invoice (the greater of the two).		
Make-up Charge	$ per garment		
Non-Standard/Special Cut Garment (i.e., non-standard, non-stocked unusually small or large sizes, unusually short or long sleeve or length, etc.) premium			$ 0.167 per garment
Seasonal Sleeve Change	$ per garment		
Under no circumstances will Cintas accept textiles bearing free liquid. Shop towels may not be used to clean up oil or solvent spills.			
Artwork Charge for Logo Mat	$		
Payment Terms: Net 30			
Size Change	Customer agrees to have employees measured by a Cintas representative using garment "size samples" or Cintas TruFit. A charge of $ per garment will be assessed for employee's size changed within 4 weeks of installation.		
Other			

WORKPLACE SERVICES PRODUCTS PRICING:

ITEM #	DESCRIPTION	RENTAL FREQ.	INVENTORY	UNIT PRICE
x9208	Sanis Bowl Clip Refill	Weekly	Any	0
x9207	Sanis Bowl Clip Service	Weekly	Any	1.575
x9214	Sanis Screen Refill	Weekly	Any	0
x9213	Sanis Screen Service	Weekly	Any	1.89
x7540	Grey Microfiber Wipe	Weekly	Any	0.19
x2700	Terry Towel	Weekly	Any	0.19
x8018	Small Shop Towel Can	Weekly	Any	4.402
x1919	2x3 Wellness AF Mat Onyx	Weekly	Any	4.622

Space for additional entries provided on page 5

Automatic Lost Replacement Charge	Item:	% of inventory	$ ea
Automatic Lost Replacement Charge	Item:	% of inventory	$ ea

	CHECKBOX	INITIALS	DATE
Initial and check box if Unilease. All Garments will be cleaned by customer.	☐		
Initial and check box if receiving Linen Service. Company will take periodic physical inventories of items in possession or under control.	☐		
Initial and check box if receiving direct embroidery. If service is discontinued for any employee or Customer deletes any of the garments direct embroidery for any reason, or terminates this Acceptance Agreement for any reason or fails to renew this Acceptance Agreement, Customer will purchase all direct embroidered garments at the time they are removed from service at the then current replacement values. (See Section 6 of Cintas General Service Terms Section)	☐		

Cintas Representative Initials: RM Customer Initials: BT.

PLEASE READ THESE TERMS CAREFULLY. BY SIGNING THIS ACCEPTANCE AGREEMENT, YOU ACKNOWLEDGE THAT YOU HAVE READ, AND THAT YOU UNDERSTAND AND AGREE TO BE BOUND BY, THESE TERMS.

OMNIA PARTICIPATING PUBLIC AGENCIES TERMS

1. **Participating Public Agencies.** Cintas Corporation No. 2 ("Cintas") agrees to extend the same terms, conditions, and covenants agreed to under the OMNIA Vendor Agreement executed between Cintas and University of Nebraska (the "Master Agreement") to other government agencies ("Participating Public Agencies") that, in their discretion, desire to access the Master Agreement in accordance with all terms and conditions contained herein or attached hereto. Each Participating Public Agency will be exclusively responsible and deal directly with Cintas on matters relating to length of agreement, ordering, delivery, inspection, acceptance, invoicing, and payment for products and services in accordance with the terms and conditions of the Master Agreement. By executing this Acceptance Agreement, the Customer identified on Page 1 herein agrees to be bound by the terms and conditions set forth in the Master Agreement as a Participating Public Agency and the terms and conditions set forth in this Acceptance Agreement. Master Agreement available at https://www.omniapartners.com/publicsector.
2. **Dispute Resolution – Arbitration and Class Waiver.** This provision shall take precedence over and supersede any contrary or conflicting provision in the Master Agreement.
   a. **No Class Actions in Arbitration or in Any Court, No Jury Trial.** CUSTOMER AND CINTAS AGREE THAT, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH MAY BRING CLAIMS AGAINST THE OTHER ONLY IN THEIR INDIVIDUAL CAPACITIES AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY PURPORTED CLASS OR REPRESENTATIVE PROCEEDING, WHETHER IN ARBITRATION OR IN ANY COURT. FURTHER, UNLESS BOTH CUSTOMER AND CINTAS AGREE OTHERWISE, AN ARBITRATOR OR JUDGE MAY NOT CONSOLIDATE MORE THAN ONE PARTICIPATING PUBLIC AGENCY'S CLAIMS AND MAY NOT OTHERWISE PRESIDE OVER ANY FORM OF A REPRESENTATIVE OR CLASS PROCEEDING.
   FOR THE AVOIDANCE OF DOUBT, CUSTOMER AND CINTAS AGREE TO RESOLVE ANY DISPUTE ON AN INDIVIDUAL, NON-REPRESENTATIVE, NON-CLASS BASIS IN ARBITRATION, BUT IF FOR ANY REASON SUCH DISPUTE PROCEEDS IN COURT, CUSTOMER AND CINTAS AGREE TO WAIVE ANY RIGHT TO HAVE THE DISPUTE PROCEED AS A CLASS ACTION OR IN ANY REPRESENTATIVE CAPACITY WHATSOEVER. IF THE DISPUTE PROCEEDS IN COURT, CUSTOMER AND CINTAS AGREE TO WAIVE ANY RIGHT TO A TRIAL BY JURY.
3. **Dispute Resolution – Timing of invoice challenges:** Requests for an invoice adjustment or challenges to invoice amounts must be received by Cintas within 60 days of Customer's receipt of the contested invoice, or any billing dispute is waived. Notification to Cintas of a request for an invoice adjustment must be made in writing and must include the invoice number, disputed amount, and the reason for the disputed charge.
4. In the event of any conflict between this Acceptance Agreement and the Master Agreement, the Master Agreement shall prevail, except to the extent this Acceptance Agreement specifically provides that it is superseding a provision in the Master Agreement.

CINTAS GENERAL SERVICE TERMS SECTION

1. **Prices** Customer agrees to rent from Cintas, and Cintas agrees to provide to Customer, the merchandise, inventory and services at the prices listed in the Master Agreement and / or outlined above. There will be a minimum charge of thirty-five dollars ($35.00) or 50% of initial invoice (whichever is greater) per delivery for each Customer location required to purchase its rental services from Cintas as set forth in this Acceptance Agreement.
2. **Buyback of Non-Standard Garments** Customer has ordered from Company a garment rental service requiring garments that may not be standard to Company's normal rental product line or include direct embroidery or an unusual emblem placement. Non-standard items will also include standard garments that have been embroidered. Those non-standard products will be designated as such under Garment Description in the Uniform Product Rental Pricing Chart(s). In the event the Customer deletes a non-standard product, alters the design of the non-standard product, fails to renew the Agreement, or terminates the Agreement in whole or in part for any reason, the Customer agrees to buy back all remaining non-standard products allocated to Customer that the Company has in service and out of service at the then current Loss/Damage Replacement Values.
3. **Garments' Lack of Flame Retardant or Acid Resistant Features** Unless specified otherwise in writing by Cintas, the garments supplied under this Acceptance Agreement are not flame retardant or acid resistant and contain no special flame retardant or acid resistant features. They are not designed for use in areas of flammability risk or where contact with hazardous materials is possible. Flame resistant and acid resistant garments are available from Cintas upon request. Customer warrants that none of the employees for whom garments are supplied pursuant to this Acceptance Agreement require flame retardant or acid resistant clothing.
4. **Logo Mats** In the event that Customer decides to delete any mat bearing the Customer's logo (Logo Mat) from the rental program, changes the design of the Logo Mats, terminates this Acceptance Agreement for any reason or fails to renew this Acceptance Agreement, the Customer will purchase at the time of deletion, design change or termination, all remaining Logo mats that Cintas has in service and out of service held in inventory at the then current Loss/Damage Replacement Value.
5. **Adding Employees** Additional employees and merchandise may be added to this Acceptance Agreement at any time upon written or oral request by the Customer to Cintas. Any such additional employees or merchandise shall automatically become a part of and subject to the terms of this Acceptance Agreement. If such employees are employed at a Customer location that is then participating under this Acceptance Agreement, the Customer shall pay Cintas the one-time preparation fee indicated on the Master Agreement and / or outlined above. Customer shall not pay Cintas any one-time preparation fee for garments for employees included in the initial installation of a Customer location. There will be a one-time charge for name and/or company emblems when employees are added to the program in garments requiring emblems.
6. **Emblem Guarantee** If Customer has requested that Cintas supply emblems designed exclusively for Customer featuring Customer's logo or other specific identification (hereinafter "Customer Emblems"), Cintas will maintain a sufficient quantity of Customer Emblems in inventory to provide for Customer's needs and maintain a low cost per emblem through quantity purchases.
   In the event Customer decides to discontinue the use of Customer Emblems, changes the design of the Customer Emblems, terminates this Acceptance Agreement for any reason or fails to renew this Acceptance Agreement, the Customer will purchase at the time of deletion, design change, termination or expiration, all remaining Customer Emblems that Cintas allocated to Customer at the price indicated on the Master Agreement and / or outlined above of this Acceptance Agreement. In no event shall the number of Customer Emblems allocated to Customer exceed the greater of (a) twelve (12) months' volume for each unique Customer Emblem or (b) a quantity agreed to by Cintas and Customer and noted on the Master Agreement and / or outlined above.
7. **Terminating Employees** Subject to the provisions of this Acceptance Agreement, the weekly rental charge attributable to any individual leaving the employ of the Customer, or on a temporary leave of absence of three (3) weeks or more, shall be terminated upon oral or written notice by the Customer to Cintas but only after all garments issued to that individual, or value of same at the then current Loss/Damage Replacement Values, are returned to Cintas.
8. **Replacement** In the event any merchandise is lost, stolen or is not returned to Cintas, or is destroyed or damaged by fire, welding damage, acid, paint, ink, chemicals, neglect or otherwise, the Customer agrees to pay for said merchandise at the then current Loss/Damage Replacement Values.
9. **Additional Customer Locations.** Notwithstanding anything to the contrary contained herein, there will be a minimum term equal to the greater of thirty-six (36) months or the remainder of the Term for any individual Customer location added after the date of this Acceptance Agreement.

Cintas Representative Initials: _____ Customer Initials: E.T.

10. **Additional Items:** Additional Customer employees, products and services may be added to this Acceptance Agreement and shall automatically become a part of and subject to the terms hereof and all of its provisions. If this Acceptance Agreement is terminated early for convenience, the parties agree that the damages sustained by Cintas will be substantial and difficult to ascertain. Therefore, if this Acceptance Agreement is terminated by Customer prior to the applicable expiration date for any reason other than documented quality of service reasons which are not cured, or terminated by Cintas for non-payment by Customer at any time Customer will pay to Cintas, as termination charges and not as a penalty based upon the following schedule:
    - If this Acceptance Agreement is cancelled for convenience in the first twelve months of the term, Customer shall pay as termination charges equal to 52 weeks of rental service.
    - If this Acceptance Agreement is cancelled for convenience in months thirteen (13) through twenty-four (24) of the term, Customer shall pay as termination charges equal to thirty-nine (39) weeks of rental service.
    - If this Acceptance Agreement is cancelled for convenience in months twenty-five (25) through thirty-six (36) of the term, Customer shall pay as termination charges equal to twenty-six (26) weeks of rental service.
    - If this Acceptance Agreement is cancelled for convenience after forty-eight (48) months of service, Customer shall pay as termination charges of thirteen (13) weeks of rental service.
    - Customer shall also be responsible to return all of the merchandise allocated to such Customer locations terminating this Acceptance Agreement at the then current Loss/Damage Replacement Values and for any unpaid charges on Customer's account prior to termination.
11. **Federal Funds.** In no event will Cintas act as a subcontractor under a U.S. federal prime contractor or a subrecipient under a U.S. federal grant or cooperative agreement.
12. **Customer Funding Source.** Customer must select the appropriate response below:
    Is Customer a United States federal government agency or instrumentality, or will Customer pay for the goods and services ordered under this Acceptance Agreement with any United States government funds?
    ☐ Yes ☐ No
    (If Yes, Customer must provide any applicable U.S. government flowdown terms and conditions, which will only be binding on Cintas if attached hereto and agreed to by Cintas prior to execution of this Acceptance Agreement).
13. **Additional Terms.** Customer must select the appropriate response below:
    Does Customer require any additional terms and conditions to be incorporated into this Acceptance Agreement, or is Customer accepting this Acceptance Agreement without additional terms?
    ☐ Yes, additional terms required ☐ No additional terms needed
    (If yes, Customer must provide any applicable additional terms and conditions, which will only be binding on Cintas if attached hereto and agreed to by Cintas prior to execution of this Acceptance Agreement).
14. I authorize Cintas to verify my credit on Credit.net and/or by contacting the parties provided. I am authorized to sign on behalf of this company. In addition, I authorize Cintas to open a new account on behalf of the company and deliver the products or services listed above at the agreed upon pricing and delivery terms.

Cintas Location #: 698	Customer Signature: Eddie Tejeda
By: Marc Garrido	Print Name: EDDIE TEJEDA
Title: Key Account Manager	Print Title: MAYOR
Accepted-GM:	Email: jdonaldson@cityofredlands.org
Cintas Matrix Account ☐ Yes ☐ No	Customer Contact: FERNANDO MATA
Cintas MAM Partners:	Customer Contact Email: FMATA@CITYOFREDLANDS.ORG

Cintas Representative Initials: MG Customer Initials: E.T.

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: Misc. Parts, Tools, & Supplies W/WW Division
Account #: 51900-7102($7K),7208($80K);521900-7102($4K)7208($20K)
Vendor: Grainger
Amount: $111,000

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☐	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☐	W9
6.	☐	Insurance
7.	☐	Bond
8.	☐	Business License
9.	☑	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☐	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: Fernando Mata Digitally signed by Fernando Mata Date: 2025.04.18 21:37:03 -07'00' Date: 4/7/25

Maintenance Repair and Operations (MRO) Supplies, Parts, Equipment, Materials, and Related Services
Executive Summary

Lead Agency: City of Tucson, AZ

Solicitation: 240078

RFP Issued: February 7, 2024

Pre-Proposal Date: February 20, 2024

Response Due Date: March 28, 2024

Proposals Received: #5

Awarded to: W. W. Grainger, Inc.

The City of Tucson, AZ Business Services Department, Shared Services – Procurement issued RFP #240078 on February 7, 2024, to establish a national cooperative contract for Maintenance Repair and Operations (MRO) Supplies, Parts, Equipment, Materials, and Related Services.

The solicitation included cooperative purchasing language in **Section C.2, National Cooperative Contract – OMNIA Partners**:
*The City of Tucson, AZ, as the Principal Procurement Agency, defined in **ATTACHMENT E**, has partnered with OMNIA Partners, Public Sector ("OMNIA Partners") to make the resultant contract (also known as the "Master Agreement" in materials distributed by OMNIA Partners) from this solicitation available to other public agencies nationally, including state and local governmental entities, public and private primary, secondary and higher education entities, non-profit entities, and agencies for the public benefit ("Public Agencies"), through OMNIA Partners' cooperative purchasing program. The City of Tucson, AZ is acting as the contracting agency for any other Public Agency that elects to utilize the resulting Master Agreement. Use of the Master Agreement by any Public Agency is preceded by their registration with OMNIA Partners (a "Participating Public Agency") and by using the Master Agreement, any such Participating Public Agency agrees that it is registered with OMNIA Partners, whether pursuant to the terms of a Master Intergovernmental Cooperative Purchasing Agreement, a form of which is attached hereto on **ATTACHMENT E**, or as otherwise agreed to. **ATTACHMENT E** contains additional information about OMNIA Partners and the cooperative purchasing program.*

Notice of the solicitation was sent to potential offerors, as well as advertised in the following:

- City of Tucson website/OpenGov
- OMNIA Partners website
- USA Today, nationwide
- Arizona Business Gazette, AZ
- San Bernardino County Sun, CA
- Honolulu Star-Advertiser, HI
- The Herald-News – Will County (IL)

- The Advocate – New Orleans, LA
- Albany Times Union, NY
- Daily Journal of Commerce, OR
- The State, SC
- Deseret News, UT
- Richmond Times-Dispatch, VA
- Seattle Daily Journal of Commerce, WA
- Helena Independent Record, MT
- Las Vegas Review-Journal
- Kennebec Journal, ME

Socio-economic Outreach: To encourage participation of small businesses, minority owned businesses and women owned businesses were notified of the Request for Proposal.

On March 28, 2024 proposals were received from the following offerors:

- Geary Pacific Supply
- Interplay Learning, Inc.
- W. W. Grainger, Inc.
- Hi-Line Electric Co.
- Mallory Safety & Supply

The proposals were evaluated by an evaluation committee. Interplay Learning, Inc. was determined to be non-responsive. Using the evaluation criteria established in the RFP, the committee elected to enter into negotiations with W.W. Grainger, Inc. and proceeding with contract award(s) upon successful completion of negotiations.

Geographic Preferences: No geographic preferences were included in the evaluation of the responses

The City of Tucson, OMNIA Partners and W.W. Grainger, Inc. successfully negotiated a contract, and the City of Tucson executed the agreement with a contract effective date of January 1, 2025

Contract includes:

- Nearly 2 million available products and approximately 4,000 sales representatives
- Grainger.com website and Branch/Store ordering service channels available
- Direct-to-Customer and Physical Pickup fulfillment options
- Customer Managed Inventory (CMI) and Vendor Managed Inventory (VMI)
- Product sourcing, consulting services
- Additional incentives for annual volume purchases

Term:

Initial three-year agreement from 1/1/2025 through 12/31/2027 with the option to renew for two (2) additional one-year periods through 12/31/2029.

Pricing/Discount:

Category discounts range from 5% to 32% off catalog prices

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

Price Page

						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1	140,000	Linear FLUOR Bulb,T8,48" L,G13,4100K	CURRENT	F32T8/SPX41/ECO2	Lighting	4PL16	EA	1	5.83	0.22	1.74
2	40,000	Linear FLUOR Bulb,T8,48" L,G13,3500K	CURRENT	F32T8/SPX35/ECO2	Lighting	4PL15	EA	1	5.44	0.22	1.8
3	40,000	Cleaner/Degreaser,Sassafrass,1 gal	SIMPLE GREEN	2710200613005	Cleaning	22C609	EA	1	23.99	0.22	9.58
4	40,000	Ear Plugs,Corded,Flanged,25dB,PR	3M	340-4004	Safety	4T151	PR	1	2.39	0.19	1.12
5	40,000	Battery,Alkaline,AA,Everyday,PK24	DURACELL PROCELL	PC1500BKD	Electronics, Appliances, and Batteries	5LE23	PK	24	18.6	0.19	6.4
6	25,000	Glass Clnr,Aero Spray Can,20 oz, Foam	SPRAYWAY	SW050	Cleaning	5RVT4	EA	1	5.77	0.22	2.4
7	23,000	Battery,Alkaline,AAA,Everyday,PK24	DURACELL PROCELL	PC2400BKD	Electronics, Appliances, and Batteries	5LE25	PK	24	18.21	0.19	6.62
8	22,000	Cleaner/Degreaser,Unscented,20oz,Aerosol	CRC	1750016	Cleaning	459V68	EA	1	48.01	0.22	22.87
9	21,000	Coated Glove,Nitrile,XL,Blk/Gray,	PIP	34-874/XL	Safety	395M69	PR	1	9.21	0.19	3.02
10	21,000	Linear FLUOR Bulb,T8,47-3/4" L,G13,4100K	CURRENT	F28T8/XL/SPX41/ECO	Lighting	2ETU3	EA	1	6.85	0.22	2.44
11	21,000	Marking Paint,20oz,Caution Blue/APWABlue	RUST-OLEUM	203031	Paint, Equipment and Supplies	6KP33	EA	1	11.32	0.12	4.09
12	20,000	Linear Fluorescent Bulb,28W,4100K	SYLVANIA	FO28/841/XP/SS/ECO3	Lighting	56GK93	EA	1	4.11	0.22	2.36
13	17,000	Battery,Alkaline,D,Everyday,PK12	DURACELL PROCELL	PC1300	Electronics, Appliances, and Batteries	5LE21	PK	12	22.2	0.19	9.24
14	17,000	Disposable Gloves,Nitrile,L,PK100	TOUCHNTUFF	92-675	Safety	1RL58	PK	100	22.48	0.19	8.16
15	17,000	Battery,Alkaline,AA,Everyday,PK24	ENERGIZER	EN91	Electronics, Appliances, and Batteries	38W365	PK	24	17.37	0.19	6.62
16	17,000	Brake Parts Cleaner, 20 oz. Aerosol	CRC	05050	Fleet and Vehicle Maintenance	4DKZ6	EA	1	10.53	0.08	2.93
17	16,000	Linear LED Bulb,T8,48" L,G13,4000K	CURRENT	LED14ET8/G/4/840	Lighting	467W19	EA	1	13.41	0.22	4.59
18	16,000	Glue Trap,3/16"L x 7-1/2"W x 4"H	CATCHMASTER	75M	Outdoor Equipment	5DKE9	EA	1	0.55	0.12	0.22
19	15,000	Diesel Exhaust Fluid DEF,Jug,2.5 gal	PEAK	DEF002	Fleet and Vehicle Maintenance	48RH22	EA	1	23.33	0.08	9.98
20	15,000	Linear Fluorescent Bulb,32W,4100K	SYLVANIA	FO32/841/ECO	Lighting	56GK74	EA	1	3.84	0.22	2.47
21	15,000	Safety Glasses,Smoke Mirror	KLEENGUARD	25688	Safety	2UYF4	EA	1	9.13	0.19	3.26
22	13,000	Anti-Siphon Fill Valve,Universal Fit	FLUIDMASTER	400A	Plumbing	1APG7	EA	1	15.61	0.2	7.77
23	13,000	VF,Chem Res Gloves,M,160F65,PR	SHOWA	707D-08-V	Safety	61DA50	PR	1	2.24	0.19	1.63
24	13,000	VF,Chem Res Gloves,L,160F66,PR	SHOWA	707D-09-V	Safety	61DA51	PR	1	2.24	0.19	1.63
25	13,000	VF,Chem Res Gloves,XL,160F67,PR	SHOWA	707D-10-V	Safety	61DA52	PR	1	2.24	0.19	1.63
26	12,000	Disp Glv,Blk,Nitrile,Exam PF, L,PK100	MICROFLEX	MK-296	Safety	794H45	PK	100	21.27	0.19	8.11
27	12,000	Linear LED Bulb,T8,48" L,G13,4000K	CURRENT	LED10ET8/G/4/840	Lighting	467W26	EA	1	17.99	0.22	6.94
28	12,000	Coated Glove,Nitrile,L,Blk/Gray,	PIP	34-874/L	Safety	395M66	PR	1	8.81	0.19	3.4
29	11,000	Precision Line Marking Paint,20 oz,White	RUST-OLEUM	203039	Paint, Equipment and Supplies	6KP41	EA	1	11.32	0.12	4.09
30	11,000	CutRes Gloves,XL,Yellow,PR	EDGE	16-347	Safety	4T415	PR	1	8.86	0.19	3.73
31	11,000	PLATE, HOT, ELECTRIC, SINGLE BURNER, 130	WARING COMMERCIAL	WEB3NYGR	Electronics, Appliances, and Batteries	383AZ3	EA	1	148.06	0.19	76.87
32	11,000	CutOff Wheel,A60T,4-1/2"x.045"x7/8"	DEWALT	DW8062	Abrasives	6HD44	EA	1	2.74	0.1	1.07
33	10,000	Elec Tape,76 ft Lx3/4 in W,7 mil,Black	3M	33+SUPER-3/4X76FT	Adhesives, Sealants and Tape	2A225	EA	1	13.55	0.1	7.1
34	10,000	Vacuum Breaker Repair Kit,Sloan	SLOAN	V551A	Plumbing	5E546	EA	1	5.53	0.2	3.24
35	10,000	Disp Glv,Blk,Nitrile,Exam PF, M,PK100	MICROFLEX	MK-296	Safety	794H44	PK	100	21.27	0.19	8.59
36	9,000	Disp Glv,Blk,Nitrile,Exam PF, XL,PK100	MICROFLEX	MK-296	Safety	794H46	PK	100	21.27	0.19	8.11
37	9,000	Disposable Gloves,Nitrile,L,PK100	TOUCHNTUFF	92-600	Safety	4GC50	PK	100	26.44	0.19	8.71
38	9,000	Filter Cartridge,Water Cooler,1.5 GPM	ELKAY	51300C	Plumbing	11U265	EA	1	102.08	0.2	60.56
39	9,000	Linear FLUOR Bulb,T8,48" L,G13,5000K	CURRENT	F32T8/SPX50/ECO2	Lighting	3VK11	EA	1	5.85	0.22	2.46
40	9,000	Battery,Alkaline,AAA,Everyday,PK24	ENERGIZER	EN92	Electronics, Appliances, and Batteries	38W366	PK	24	16.76	0.19	7.02
41	9,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL941/ALTO 30PK	Lighting	492X54	EA	1	4.96	0.22	2.75
42	9,000	Insect Repellent,Aerosol,6 oz.	OFF	334689	Outdoor Equipment	4HK65	EA	1	14.06	0.12	6.4
43	9,000	Flange Bolt Set,Universal Fit	HARVEY	051101	Plumbing	5PA62	EA	1	3.07	0.2	1.97
44	9,000	Duct Tape,Silver,1 7/8 in x 60 yd,9 mil	NASHUA	394	Adhesives, Sealants and Tape	6JD46	EA	1	8.82	0.1	2.93
45	8,000	Inside Cover,Sloan	SLOAN	A71	Plumbing	2XU12	EA	1	15.43	0.2	6.55
46	8,000	Safety Glasses,Smoke	SMITH & WESSON	21303	Safety	2UYG5	EA	1	15.19	0.19	5.41
47	8,000	Line Marking Paint,20oz,FluorescentGreen	RUST-OLEUM	203032	Paint, Equipment and Supplies	6KP34	EA	1	11.32	0.12	4.09
48	8,000	Surgical Mask 3PLY Level 2,PK50	ALTOR SAFETY	62222	Safety	785EJ0	PK	50	13.66	0.19	6.47
49	8,000	Disposable Gloves,Nitrile,M,PK100	TOUCHNTUFF	92-675	Safety	1RL57	PK	100	22.48	0.19	7.89
50	8,000	Battery,Alkaline,C,Everyday,PK12	DURACELL PROCELL	PC1400	Electronics, Appliances, and Batteries	5LE22	PK	12	19.54	0.19	7.76
51	8,000	16 oz.,Aerosol,Lubricant	WD-40	490088	Lubrication	20JY63	EA	1	13.95	0.1	6.95
52	8,000	11 oz.,Aerosol,Lubricant	WD-40	490040	Lubrication	20JY61	EA	1	13.92	0.1	7.16
53	7,000	Disposable Gloves,Nitrile,XL,PK50	MICROFLEX	N864	Safety	3NFC7	PK	50	17.71	0.19	6.06
54	7,000	Cold Patch,60 lb	PERMA-PATCH	PP-60-C	Adhesives, Sealants and Tape	3ZC17	EA	1	41.29	0.1	12.09
55	7,000	12 oz.,Aerosol,Lubricant	WD-40	490057	Lubrication	20JY62	EA	1	14.48	0.1	7.46
56	7,000	Disposable Gloves,Nitrile,XL,PK100	TOUCHNTUFF	92-675	Safety	1RL59	PK	100	22.48	0.19	8.66
57	7,000	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	LSE-104	Safety	464D73	PK	100	41.01	0.19	17.29
58	7,000	Diaphragm Assembly,Toilets	ACORN	2563-010-001	Plumbing	1KAA3	EA	1	12.99	0.2	5.11
59	7,000	Water Softener Salt, 40 lb, Bag, Pellets	DIAMOND CRYSTAL	100012407	Plumbing	42DA14	EA	1	22.45	0.2	8.48
60	7,000	Linear FLUOR Bulb,T12,48" L,G13,4100K	CURRENT	F34/CX41/WM/ECO	Lighting	24W596	EA	1	6.84	0.22	2.8
61	7,000	Coated Glove,Nitrile,M,Blk/Gray,	PIP	34-874	Safety	43FK12	PR	1	8.92	0.19	4.13
62	7,000	Vacuum Breaker Repair Kit,Sloan	SLOAN	V651A	Plumbing	2XU35	EA	1	8.37	0.2	3.47
63	7,000	Chemical Resistant Glove,11 mil,9,PR	ALPHATEC	37-145	Safety	4T418	PR	1	2.98	0.19	1.6
64	7,000	Dry Wipe Roll,9 1/2" x 11",Blue	KIMBERLY-CLARK PROFESSIONAL	75130	Cleaning	2XRN3	EA	1	6.18	0.22	2.73
65	7,000	Diaphragm Assembly,Manual,Toilets,1.6GPF	SLOAN	A41A	Plumbing	4LW51	EA	1	39.05	0.2	13.66
66	7,000	Line Marking Paint,20oz,APWA CautionBlue	RUST-OLEUM	203022V	Paint, Equipment and Supplies	783AC7	EA	1	12.22	0.12	4.09
67	6,000	Disposable Gloves,Nitrile,XL,PK100	MICROFLEX	N644	Safety	2VLZ9	PK	100	17.84	0.19	8.5
68	6,000	Water Chamber Assembly,Acorn	ACORN	2560-015-001	Plumbing	2EVX5	EA	1	17.06	0.2	7.93
69	6,000	Chemical Resistant Glove,8,PR	ALPHATEC	37-145	Safety	4T417	PR	1	2.98	0.19	1.34
70	6,000	Relief Valve,Sloan	SLOAN	A38A	Plumbing	5P213	EA	1	35.36	0.2	13.14
71	6,000	Battery,Alkaline,9V,Everyday,PK12	DURACELL PROCELL	PC1604BKD	Electronics, Appliances, and Batteries	5LE24	PK	12	34.55	0.19	14.4
72	6,000	Cooling Towel,Blue,13 x 29 In.	CHILL-ITS BY ERGODYNE	6602	Safety	2EMK6	EA	1	13.58	0.19	5.31
73	6,000	Disposable Gloves,Rubber Latex,XL,PK50	MICROFLEX	SG-375-XL	Safety	2TEN2	PK	50	29.81	0.19	8.44
74	6,000	Cut Resistant Gloves,Blue/Gray,L,PR	ACTIVARMR	80-100	Safety	4JY13	PR	1	5.09	0.19	3.05
75	6,000	Disinfectant Cleaner w/ Bleach,128oz,PK4	CLOROX	35420	Cleaning	22D030	PK	4	120.31	0.22	44.1
76	6,000	Disposable Gloves,Nitrile,XL,PK100	SHOWA	6110PF XL	Safety	59LT62	PK	100	18.72	0.19	6.71
77	6,000	Hand Cleaning Towels,10" x 12" ,Citrus	SCRUBS	42272	Cleaning	24WJ88	EA	1	27.53	0.22	10.73
78	6,000	Sink Drain,4 3/8 in Dia,SS	ZURN	ZSS3000B-SS	Plumbing	4WDC5	EA	1	23.96	0.2	9.11

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

Price Page

						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
79	6,000	Linear LED Bulb,T8,48"L,2-Pin(G13),4000K	CURRENT	LED14BDT8/G4/840	Lighting	494G96	EA	1	12.87	0.22	4.99
80	6,000	Linear FLUOR Bulb,T5,45-1/4" L,G5,4100K	CURRENT	F28WT5/841/ECO	Lighting	5AE20	EA	1	12.92	0.22	4.41
81	6,000	Absorbent,25 lb.,Diatomaceous Earth	EP MINERALS	9725	Safety	40CH71	EA	1	12.64	0.19	6.14
82	5,000	Car Wash,100 oz.,Green,Concentrated	TURTLE WAX	50597	Fleet and Vehicle Maintenance	48HN72	EA	1	13.31	0.08	6.43
83	5,000	Linear FLUOR Bulb,T8,47-3/4" L,G13,4100K	CURRENT	F32T8/XL/SPX41/HL/ECO	Lighting	3CA64	EA	1	9.01	0.22	3.46
84	5,000	Coin Battery,Lithium,3VDC,2032,PK2	DURACELL	DL2032B2PK	Electronics, Appliances, and Batteries	2HYJ1	PK	2	6.85	0.19	1.53
85	5,000	Loose Absorbent,Montmorillonite Clay	OIL-DRI	I06032	Safety	487F13	EA	1	16.88	0.19	8.1
86	5,000	Linear FLUOR Bulb,T8,23-3/4" L,G13,4100K	CURRENT	F17T8/SP41/ECO	Lighting	6XT99	EA	1	6.96	0.22	3.34
87	5,000	Linear LED Bulb,T8,47-3/4" L,G13,4000K	PHILIPS	14T8/COR/48-840/IF21/G/DIM 10/1	Lighting	406T68	EA	1	15.34	0.22	4.99
88	5,000	Battery,Lithium,Size 223,6VDC	DURACELL	DL223ABPK	Electronics, Appliances, and Batteries	1ANB9	EA	1	18.98	0.19	4.89
89	5,000	Safety Glasses,Smoke	KLEENGUARD	22475	Safety	21A163	EA	1	11.19	0.19	4.07
90	5,000	Trash Grabber,Aluminum,36" L	UNGER	NT090	Cleaning	2NDR3	EA	1	51.55	0.22	13.73
91	5,000	Wasp and Hornet Killer,Aerosol,14 oz.	CRC	14010	Outdoor Equipment	4JB47	EA	1	15.28	0.12	5.23
92	5,000	Wet Mop,White,Cotton	RUBBERMAID COMMERCIAL PRODUCTS	FGV11800WH00	Cleaning	9DJF8	EA	1	12.31	0.22	4.91
93	5,000	Linear FLUOR Bulb,T8,48" L,G13,6500K	CURRENT	F32T8/SPX65/ECO2	Lighting	3JJ79	EA	1	5.51	0.22	2.52
94	5,000	Fluorescent,40 W,T12,Medium Bi-Pin (G13)	PHILIPS	F40T12/CWSupreme/ALTO	Lighting	492Y04	EA	1	7.29	0.22	2.41
95	5,000	Cold Patch,50 lb	SAKRETE	60450007	Adhesives, Sealants and Tape	8EJP2	EA	1	27.62	0.1	11.28
96	5,000	FLUOR Ballast,Electronic,Instant,32W	ADVANCE	ICN-2P32-N	Lighting	2MCX5	EA	1	25.09	0.22	12.73
97	5,000	Water Nozzle,Hot/Cold,3/4 In.	SANI-LAV	N2	Outdoor Equipment	3NVD9	EA	1	15.33	0.12	8.41
98	5,000	Line Marking Paint,20 oz,Safety Red	RUST-OLEUM	203038	Paint, Equipment and Supplies	6KP40	EA	1	11.32	0.12	4.09
99	5,000	Sports Drink Mix,Riptide Rush	GATORADE	33665	Safety	3UYW7	EA	1	4.58	0.19	1.87
100	5,000	Safety Glasses,Clear	KLEENGUARD	25676	Safety	2UYF3	EA	1	8.35	0.19	3.02
101	5,000	Linear LED Bulb,T8,48" L,G13,5000K	CURRENT	LED14ET8/G/4/850	Lighting	467W20	EA	1	12.68	0.22	5.66
102	5,000	Sponge,6 in L,Yellow	3M	C31	Cleaning	3U163	EA	1	5.2	0.22	1.83
103	5,000	Loose Absorbent,Montmorillonite Clay	OIL-DRI	I05040	Safety	487F15	EA	1	20.69	0.19	9.9
104	5,000	Ice Melt,Granular,50 lb. Carton,-8 F	PREMIERE	CPM050P	Outdoor Equipment	4W973	EA	1	33.6	0.12	17.49
105	5,000	Cleaner/Degreaser,Sassafrass,24 oz	SIMPLE GREEN	2710001213012	Cleaning	22C608	EA	1	10.99	0.22	4.88
106	5,000	Conduit Clamp,Steel,Overall L 1.99in	RACO	2083	Electrical	206F90	EA	1	0.28	0.23	0.11
107	5,000	Thread Sealant Tape,1/2" W,White	ANTI-SEIZE TECHNOLOGY	26130	Adhesives, Sealants and Tape	3PDL5	EA	1	1.13	0.1	0.43
108	5,000	Brake Parts Cleaner, 20 oz. Aerosol	CRC	05084	Fleet and Vehicle Maintenance	5YK76	EA	1	10.66	0.08	3.87
109	5,000	Disposable Gloves,Rubber Latex,XL,PK100	MICROFLEX	MF-300-XL	Safety	2TEK8	PK	100	25.76	0.19	9.63
110	5,000	OneHoleLugCmprsnConn,STD,Red,49	BURNDY	YA8CLBOX	Electrical	22C296	EA	1	4.85	0.23	2.02
111	5,000	Disposable Gloves,Nitrile,M,PK50	SHOWA	7700PFTM	Safety	4JY27	PK	50	17.66	0.19	5
112	5,000	Utility Blade,2 Points,2-7/16" L,PK5	STANLEY	11-921	Hand Tools	5C949	PK	5	2.2	0.14	0.6
113	5,000	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	N643	Safety	2VLZ8	PK	100	17.84	0.19	8.5
114	5,000	Smoke Alarm,3V,Alkaline,Ionization	KIDDE	i9010	Safety	1YNW9	EA	1	43.78	0.19	18.51
115	5,000	Disposable Gloves,Nitrile,XL,PK100	MCR SAFETY	6062XL	Safety	49DA87	PK	100	30.15	0.19	11.41
116	5,000	Conduit Clamp,Steel,Overall L 1.745in	RACO	2082	Electrical	206F89	EA	1	0.21	0.23	0.06
117	4,000	Paper Towel Roll,Continuous,Wt,89460,PK6	GEORGIA-PACIFIC	89460	Cleaning	3EB46	PK	6	168.55	0.22	71.56
118	4,000	Pre-Moistened Cleaning Tissues,PK100	BAUSCH & LOMB	8574GM	Safety	2AR69	PK	100	16.41	0.19	6.75
119	4,000	Disposable Gloves,Nitrile,S,PK50	SHOWA	7700PFTS	Safety	4JY26	PK	50	17.66	0.19	4.69
120	4,000	TriggerSprayBottle,32oz,12 1/4"H,Clr,PK3	IMPACT	5032HG/4906-91	Cleaning	30GE89	PK	3	10.81	0.22	4.47
121	4,000	Disc,Toilets	SLOAN	A156A	Plumbing	2XJ96	EA	1	9.31	0.2	4.87
122	4,000	Coated Gloves,Full,10,9-1/2",PR	KSR	22-515	Safety	4T412	PR	1	5.82	0.19	3.4
123	4,000	Dry Wipe,8 1/4" x 16-3/4",White	WYPALL	34790	Cleaning	2VHP9	EA	1	22.17	0.22	9.36
124	4,000	Combination Padlock,2 in,Round,Silver	MASTER LOCK	1525	Security	1D573	EA	1	13.51	0.15	6.33
125	4,000	Elec Tape,66 ft Lx3/4 in W,8.5 mil,Black	3M	88-Super-3/4x66FT	Adhesives, Sealants and Tape	2A227	EA	1	14.55	0.1	7.88
126	4,000	Dup Recept Wll Plt,Stnd;Silver,1Gng,Brsh	HUBBELL	SS8	Electrical	5C228	EA	1	4.21	0.23	1.12
127	4,000	Maintenance Absorbent,20 lb.,Pail	OIL-DRI	I05000G-G60	Safety	5TP99	EA	1	26.47	0.19	12.54
128	4,000	Hand Soap,Amber,1,000 mL,,PK2	OPS	1405-02G	Cleaning	36TY78	PK	2	121.21	0.22	48.44
129	4,000	Disposable Gloves,Nitrile,L,PK50	SHOWA	7700PFTL	Safety	4JY28	PK	50	17.66	0.19	4.69
130	4,000	CutOff Whl,Gemini 4-1/2"x.045"x7/8"	NORTON	66252823602	Abrasives	5GC52	EA	1	3.99	0.1	1.38
131	4,000	Disposable Gloves,Nitrile,XL,PK100	MICROFLEX	N194	Safety	2VLY9	PK	100	23.23	0.19	6.5
132	4,000	Diaphragm Assembly,Sloan	SLOAN	A36A	Plumbing	5P211	EA	1	33.12	0.2	14.79
133	4,000	Disposable Gloves,Rubber Latex,L,PK100	MICROFLEX	MF-300-L	Safety	2TEK6	PK	100	25.76	0.19	9.63
134	4,000	Linear LED Bulb,T8,48" L,G13,3500K	CURRENT	LED14ET8/G/4/835	Lighting	467W18	EA	1	13.85	0.22	5.95
135	4,000	Putty,Gray,ProPoxy 20	HERCULES	25515C	Adhesives, Sealants and Tape	5KAV9	EA	1	11.29	0.1	5.89
136	4,000	Nitrile,Disposable,Biodegradable,PK100	SHOWA	7500PFL	Safety	797FX3	PK	100	18.48	0.19	6.88
137	4,000	Battery,Alkaline,AA,Premium,PK24	DURACELL	MN1500BKD	Electronics, Appliances, and Batteries	22A624	PK	24	30.42	0.19	13.32
138	4,000	Germicidal Bleach,Unscented,121 oz,PK3	CLOROX	30966	Cleaning	41H893	PK	3	53.96	0.22	24.21
139	4,000	Disc,Sloan	SLOAN	A15A	Plumbing	2XJ98	EA	1	9.65	0.2	5.06
140	4,000	Cold Patch,60 lb	PERMA-PATCH	PP-60-F	Adhesives, Sealants and Tape	55EK38	EA	1	30.17	0.1	13.15
141	4,000	Marking Paint,20 oz,Utility White	KRYLON INDUSTRIAL	A03900007	Paint, Equipment and Supplies	54TH54	EA	1	13.26	0.12	4.31
142	4,000	Rubbing Alcohol,Antiseptics,Bottle	MEDIQUE	26811	Safety	2MRZ2	EA	1	5.99	0.19	2.34
143	4,000	Disposable Gloves,Nitrile,XL,PK100	MICROFLEX	LSE-104	Safety	464D74	PK	100	41.01	0.19	17.93
144	4,000	Sports Drink Mix,Lemon-Lime	GATORADE	03969	Safety	5T405	EA	1	11.18	0.19	4.42
145	4,000	Safety Glass,Clear Lens,Frameless	MCR SAFETY	BL010	Safety	55KY18	EA	1	2.57	0.19	1.87
146	4,000	Linear Fluorescent Bulb,32W,4100K	SYLVANIA	FO32/841/XV/ECO	Lighting	56GK95	EA	1	4.09	0.22	2.93
147	4,000	Linear FLUOR Bulb,T8,48" L,G13,3000K	CURRENT	F32T8/SPX30/ECO2	Lighting	4PL14	EA	1	5.23	0.22	2.22
148	4,000	Lantern Battery,Carbon Zinc,6VDC,Spring	RAYOVAC	994C	Electronics, Appliances, and Batteries	3JFU2	EA	1	7.31	0.19	2.73
149	4,000	Sports Drink Mix,Lemon-Lime	GATORADE	03956	Safety	3UYW5	EA	1	4.58	0.19	1.87
150	4,000	11 oz.,Aerosol,Penetrant	BLASTER	16-PB-DS	Lubrication	4LRF8	EA	1	9.68	0.1	5.24
151	4,000	Linear Fluorescent Bulb,17W,4100K	SYLVANIA	FO17/841/ECO	Lighting	56GK40	EA	1	3.95	0.22	3.08
152	4,000	Sports Drink Mix,Fruit Punch	GATORADE	33691	Safety	3AP83	EA	1	11.18	0.19	4.42
153	4,000	U-Bend FLUOR Bulb,T8,G13,4100K,32W	CURRENT	F32T8/SP41/U6/ECO	Lighting	4HY86	EA	1	18.34	0.22	8.69
154	4,000	Disposable Gloves,Nitrile,L,PK50	MICROFLEX	N863	Safety	3NFC4	PK	50	17.71	0.19	6.06
155	4,000	Evaporative Cooling Neck Band,Blue	CHILL-ITS BY ERGODYNE	6603	Safety	52HZ92	EA	1	6.27	0.19	4.08
156	4,000	Utility Knife,6 In.,Gray	STANLEY	10-099	Hand Tools	4A803	EA	1	6.88	0.14	2.83

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
157	4,000	Rust Preventative Spray Paint,Black,15oz	RUST-OLEUM	V2179838	Paint, Equipment and Supplies	5H903	EA	1	15.38	0.12	5.94
158	4,000	Wasp and Hornet Killer,14 oz.	RAID	668006	Outdoor Equipment	4HK60	EA	1	13.82	0.12	6.55
159	4,000	LED,8.8 W,A19,Medium Screw (E26)	PHILIPS	8.8A19/PER/930/P/E26/DIM 6/1FB T20	Lighting	54YP51	EA	1	4.77	0.22	2.73
160	4,000	Disposable Gloves,Rubber Latex,L,PK50	MICROFLEX	SG-375-L	Safety	2TEN1	PK	50	29.81	0.19	9.5
161	4,000	Coated Gloves,Nitrile,Black/Gray,10, PR	HYFLEX	11-840	Safety	20KJ48	PR	1	6.49	0.19	3.3
162	4,000	Safety Glasses,Clear	KLEENGUARD	25679	Safety	3NTT9	EA	1	8.74	0.19	3.47
163	4,000	Thread Sealant Tape,1/2" W,White	ANTI-SEIZE TECHNOLOGY	26135	Adhesives, Sealants and Tape	3AB55	EA	1	1.23	0.1	0.55
164	4,000	FLUOR Ballast,Electronic,Instant,32W	ADVANCE	ICN-4P32-N	Lighting	1VN22	EA	1	31.16	0.22	15.95
165	4,000	Cleaner/Degreaser,Orange,32 oz	OIL EATER	AOD3211902	Cleaning	6TUK6	EA	1	8.75	0.22	4.49
166	4,000	Fluorescent,28 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/ADV841/2XL/ALTO II 28W 30PK	Lighting	492X69	EA	1	10.49	0.22	3.52
167	4,000	Sports Drink Mix,Fruit Punch	GATORADE	03808	Safety	3UYW3	EA	1	4.58	0.19	1.87
168	4,000	Instant Cold Pack,White,6" x 4-1/2"	FIRST AID ONLY	K2104	Safety	39P019	EA	1	1.63	0.19	1.06
169	4,000	Mobilgrease XHP 222,Grease,Cartrdge,14oz	MOBIL	121929	Lubrication	1MUC1	EA	1	10.72	0.1	4.33
170	4,000	2-Cycle Engine Oil,Synth Blnd,26oz,PK6	ECHO	6450001GE	Fleet and Vehicle Maintenance	45J373	PK	6	17.62	0.08	12.19
171	4,000	ConstructionAdhesive,10.1fl oz,Cartridge	LOCTITE	2137678	Adhesives, Sealants and Tape	53VA60	EA	1	17.48	0.1	6.6
172	4,000	Paper Towel Roll,800,Brown,26301,PK6	GEORGIA-PACIFIC	26301	Cleaning	2U232	PK	6	91.72	0.22	41.09
173	4,000	Sanding Hand Pad, 6in W, 9in L,Very Fine	SCOTCH-BRITE	7000000728	Abrasives	4ZR10	EA	1	2.72	0.1	1.22
174	4,000	Thread Sealant Tape,3/4" W,White	ANTI-SEIZE TECHNOLOGY	26150	Adhesives, Sealants and Tape	3AB56	EA	1	1.86	0.1	1.04
175	4,000	Nitrile,Disposable,Biodegradable,PK100	SHOWA	7500PFXL	Safety	797FX4	PK	100	18.48	0.19	6.88
176	4,000	Battery,Lithium,Size 123,3VDC,PK12	DURACELL PROCELL	PL123	Electronics, Appliances, and Batteries	11W123	PK	12	57.75	0.19	18.67
177	4,000	Disp Glv,Blk,Nitrile,Exam PF, S,PK100	MICROFLEX	MK-296	Safety	794H43	PK	100	21.27	0.19	9.13
178	3,000	Guide Assembly,Toilets/Urinals	SLOAN	A163A	Plumbing	2XJ99	EA	1	8.8	0.2	4.32
179	3,000	Linear Fluorescent Bulb,28W,3500K	SYLVANIA	FP28/835/ECO	Lighting	56GK80	EA	1	4.25	0.22	3.04
180	3,000	Rust Preventative Spray Paint,White,15oz	RUST-OLEUM	V2192838	Paint, Equipment and Supplies	5U708	EA	1	15.38	0.12	5.94
181	3,000	Personal Eye Wash Bottle,1 oz.	HONEYWELL	32-000451-0000	Safety	3PVT3	EA	1	4.99	0.19	2.39
182	3,000	Trash Grabber,Steel,38" L	UNGER	NN900	Cleaning	3UP49	EA	1	69.91	0.22	16.59
183	3,000	Duct Tape,Gray,1 7/8 in x 60 yd,11 mil	NASHUA	398	Adhesives, Sealants and Tape	2W504	EA	1	14.11	0.1	5.11
184	3,000	Linear FLUOR Bulb,T8,47-3/4" L,G13,4100K	CURRENT	F32T8/25W/SPX41/ECO	Lighting	2ETR8	EA	1	8.03	0.22	5.11
185	3,000	Disposable Gloves,Rubber Latex,XL,PK50	MICROFLEX	UL-315-XL	Safety	2TEL6	PK	50	25.37	0.19	9.38
186	3,000	Beverage Cooler,Hard Sided,5.0 gal.	IGLOO	48153	Safety	5DDA9	EA	1	86.55	0.19	32.16
187	3,000	Toilet Seat,Elongated Bowl,Open Front	BEMIS	1955CT-000	Plumbing	2P888	EA	1	32.34	0.2	15.93
188	3,000	Linear FLUOR Bulb,T8,35-3/4" L,G13,4100K	CURRENT	F25T8/SP41/ECO	Lighting	6XV06	EA	1	7	0.22	2.7
189	3,000	Battery,Alkaline,D,Everyday,PK12	ENERGIZER	EN95	Electronics, Appliances, and Batteries	38W368	PK	12	26.6	0.19	12.6
190	3,000	Linear LED Bulb,T8,23-3/4" L,G13,4000K	PHILIPS	7T8/MAS/24-840/IF11/P/DIM 10/1	Lighting	52ZX61	EA	1	18.56	0.22	7.14
191	3,000	Hand Warmer,Up to 8 hr.,2" L,PK40	LITTLE HOTTIES	07221	Safety	45DV49	PK	40	44.83	0.19	15.61
192	3,000	Servomotor,Acorn	ACORN	2563-020-002	Plumbing	1KAA5	EA	1	137.06	0.2	59.86
193	3,000	Coated Gloves,Palm and Fingers,9,9"	HYFLEX	11-801	Safety	5AJ29	PR	1	6.49	0.19	3.89
194	3,000	Linear LED Bulb,T8,48"L,2-Pin(G13),5000K	CURRENT	LED14BDT8/G4/850	Lighting	55GT94	EA	1	13.09	0.22	7.35
195	3,000	Combination Padlock,1 1/2 in,Rectangle	MASTER LOCK	175	Security	1U172	EA	1	29.39	0.15	14.15
196	3,000	Sweatband,Drybrow,AA-100	JACKSON SAFETY	16750	Safety	62KE21	EA	1	1.38	0.19	1.01
197	3,000	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	N193	Safety	2VLY8	PK	100	23.23	0.19	6.5
198	3,000	Precision Line Marking Paint,20 oz,White	RUST-OLEUM	203030V	Paint, Equipment and Supplies	783AD5	EA	1	12.22	0.12	4.09
199	3,000	Lantern Battery,Alkaline,6VDC,Spring	ENERGIZER	EN529	Electronics, Appliances, and Batteries	22M709	EA	1	20.98	0.19	9.4
200	3,000	Disposable Gloves,Neoprene,L,PK100	MICROFLEX	25-101	Safety	1FEX3	PK	100	36.6	0.19	12.35
201	3,000	Battery,Alkaline,C,Everyday,PK12	ENERGIZER	EN93	Electronics, Appliances, and Batteries	38W367	PK	12	15.43	0.19	8.57
202	3,000	Rust Preventative Spray Paint,Black,15oz	RUST-OLEUM	V2178838	Paint, Equipment and Supplies	2FP66	EA	1	15.38	0.12	5.94
203	3,000	Lamp Holder,for Medium Bi-Pin T8 or T12	HUBBELL WIRING DEVICE-KELLEMS	RL320	Lighting	3D671	EA	1	6.8	0.22	3.66
204	3,000	Blnk Bx Mnt Wll Plt,Stnd;Slvr,1Gng,Matte	HUBBELL	SS13	Electrical	5C266	EA	1	5.16	0.23	1.33
205	3,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL965/ALTO 30PK	Lighting	492X57	EA	1	6.19	0.22	2.18
206	3,000	Diaphragm Assembly,Sloan	SLOAN	A37A	Plumbing	5P212	EA	1	34.29	0.2	14.79
207	3,000	Linear Fluorescent Bulb,32W,5000K	SYLVANIA	FO32/850/ECO	Lighting	56GK45	EA	1	4.07	0.22	2.91
208	3,000	Ant and Roach Killer,Aerosol,17.5 oz.	RAID	697318	Outdoor Equipment	45CR50	EA	1	12.31	0.12	5.2
209	3,000	Spray Paint,Silver Aluminum,14 oz.	RUST-OLEUM	V2115838	Paint, Equipment and Supplies	2FP61	EA	1	16.17	0.12	7.02
210	3,000	Rust Preventative Spray Paint,Silver	RUST-OLEUM	7515838	Paint, Equipment and Supplies	490R98	EA	1	18.53	0.12	6.21
211	3,000	Corr Shelf Bin,White,Cardboard,4 3/4 in	PACKAGING CORPORATION OF AMERICA	1W766	Material Handling	1W766	EA	1	1.08	0.15	0.76
212	3,000	Linear FLUOR Bulb,T5,45-1/4" L,G5,4100K	CURRENT	F54W/T5/841/HO/ECO	Lighting	5AE35	EA	1	7.93	0.22	5.02
213	3,000	Replacement Eye Wash Bottle,32 oz.	HONEYWELL	32-000455-0000-H5	Safety	3ARE1	EA	1	22.02	0.19	10.8
214	3,000	Toilet Paper Roll,Cont,Wt,12798,PK8	GEORGIA-PACIFIC	12798	Cleaning	1PHJ2	PK	8	85.94	0.22	39.5
215	3,000	Instant Cold Pack,White,6In. x 4In.	MEDI-FIRST	7241M	Safety	3LPG2	EA	1	1.68	0.19	0.76
216	3,000	Sports Drink Mix,Glacier Freeze	GATORADE	33677	Safety	1AZ97	EA	1	11.18	0.19	4.42
217	3,000	Safety Glasses,Clear,Uncoated	3M	11228-00000-100	Safety	5JDW7	EA	1	2.46	0.19	0.88
218	3,000	Disposable Gloves,Nitrile,XL,PK100	TOUCHNTUFF	92-600	Safety	4GC51	PK	100	26.44	0.19	9.25
219	3,000	Chemical Resistant Gloves,Nitrile,L,PR	SHOWA	727-09	Safety	29UP90	PR	1	2.77	0.19	1.35
220	3,000	Battery,Alkaline,9V,Everyday,PK12	ENERGIZER	EN22	Electronics, Appliances, and Batteries	38W369	PK	12	32.33	0.19	14.25
221	3,000	Bungee Strap,Black,31" L	GOLDLINE	635197742	Material Handling	14J850	EA	1	3.34	0.15	2.27
222	3,000	Coated Gloves,Nylon,L,PR	MCR SAFETY	N9674L	Safety	2ELL6	PR	1	6.97	0.19	2.84
223	3,000	Line Marking Paint,20oz,FluorescentGreen	RUST-OLEUM	203023V	Paint, Equipment and Supplies	783AC8	EA	1	12.22	0.12	4.09
224	3,000	Plug-In CFL Bulb,3500K,40W,20,000 hr	CURRENT	F40/30BX/SPX35	Lighting	4VC26	EA	1	18.83	0.22	8.13
225	3,000	Plug-In CFL Bulb,4100K,26W,17,000 hr	CURRENT	F26DBX/841/ECO4P	Lighting	1PGY7	EA	1	12.61	0.22	5.29
226	3,000	Line Marking Paint,20oz,Fluorescent Pink	RUST-OLEUM	1861838	Paint, Equipment and Supplies	6YH17	EA	1	10.45	0.12	3.82
227	3,000	Maintenance Absorbent,25 lb.,Bag	OIL-DRI	I05025-G70	Safety	24X071	EA	1	16.23	0.19	6.83
228	3,000	Brake Parts Cleaner,20 oz. Aerosol	CRC	05089	Fleet and Vehicle Maintenance	5YK77	EA	1	9.68	0.08	4.66
229	3,000	Loose Wheel Nut Indicator,33mm,Plastic	CHECKPOINT	CPY33MM	Fleet and Vehicle Maintenance	38XK88	EA	1	1.31	0.08	0.84
230	3,000	Lobby Broom,7 1/2 in L,7 7/8 in Face	RUBBERMAID COMMERCIAL PRODUCTS	FG637400BLA	Cleaning	5W638	EA	1	17.47	0.22	4.37
231	3,000	Tank to Bowl Kit,Universal Fit	KISSLER	68-7321	Plumbing	14U358	EA	1	4.61	0.2	2.85
232	3,000	Sports Drink Mix,Orange	GATORADE	03970	Safety	5T406	EA	1	11.18	0.19	4.42
233	3,000	Electrical Box,Square,4x4x2,30.3 cu. in.	RACO	232	Electrical	5A052	EA	1	7.16	0.23	1.92
234	3,000	Nitrile,Disposable,Biodegradable,PK100	SHOWA	7500PFM	Safety	797FX2	PK	100	18.48	0.19	9.32

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
235	3,000	Replacement Eye Wash Bottle,16 oz.	HONEYWELL	32-000454-0000-H5	Safety	3ARE2	EA	1	17.77	0.19	7.34
236	3,000	Button Battery,Lithium,3VDC,1/3 N	DURACELL	DL1/3NBPK	Electronics, Appliances, and Batteries	1ANB8	EA	1	8.71	0.19	2.52
237	3,000	Coated Gloves,Cotton/Polyester,L,PR	MCR SAFETY	FT300L	Safety	48GG94	PR	1	5.82	0.19	2.48
238	3,000	Linear FLUOR Bulb,T5,45-1/4" L,G5,3500K	CURRENT	F28WT5/835/ECO	Lighting	5AE19	EA	1	14.01	0.22	6.2
239	3,000	Storage Tote,Clear/White,Polypropylene	STERILITE	16448012	Material Handling	53GN17	EA	1	7.39	0.15	3.51
240	3,000	Plug-In CFL Bulb,4100K,42W,17,000 hr	CURRENT	F42TBX/841/A/ECO	Lighting	1PHA9	EA	1	13.18	0.22	6.91
241	3,000	Coin Battery,Lithium,3VDC,2450	DURACELL	DL2450BPK	Electronics, Appliances, and Batteries	2HYK2	EA	1	5.79	0.19	1.43
242	3,000	Silicone Caulk,White,Alex Plus	DAP	18152	Adhesives, Sealants and Tape	5A466	EA	1	5.61	0.1	2.13
243	3,000	Graffiti Rem,Trigger Spray Btl,32 oz	KRUD KUTTER	GR326	Cleaning	10K017	EA	1	19.37	0.22	10.05
244	3,000	Handle Repair Kit,Sloan	SLOAN	B50A	Plumbing	5E545	EA	1	5.84	0.2	3.24
245	3,000	Digital Thermometer,Oral,5 In. L, Dual	MABIS	15-713-000	Safety	4WPE9	EA	1	6.15	0.19	2.96
246	3,000	FLUOR Ballast,Electronic,Instant,53W	CURRENT	GE232MAXP-N-ULTRA	Lighting	2VEW8	EA	1	25.25	0.22	12.93
247	3,000	Paper Towel Roll,800,Brown,89480,PK6	GEORGIA-PACIFIC	89480	Cleaning	4ACU1	PK	6	157.26	0.22	68.72
248	3,000	Battery,Alkaline,AAA,Premium,PK24	DURACELL	MN2400BKD	Electronics, Appliances, and Batteries	22A625	PK	24	31.59	0.19	13.8
249	3,000	Ear Plugs,Corded,Flanged,25dB,PR1	3M	340-4002	Safety	4T152	PR	1	3.09	0.19	2.01
250	3,000	Storage Tote,Clear/White,Polypropylene	STERILITE	14958006	Material Handling	56JU38	EA	1	9.55	0.15	7.31
251	3,000	Linear Fluorescent Bulb,32W,6500K	SYLVANIA	FO32/865/XP/ECO	Lighting	56GK79	EA	1	4.4	0.22	3.43
252	3,000	Absorbent Pad,Universal,Yellow,PK22	RUBBERMAID COMMERCIAL PRODUCTS	FG425300YEL	Safety	3NB39	PK	22	35.23	0.19	12.55
253	3,000	Disposable Gloves,Nitrile,XL,PK50	SHOWA	7700PFTXL	Safety	4JY29	PK	50	17.66	0.19	8.33
254	3,000	Coated Gloves,Knit,XL,10" L	BDG	99-1-9606-10	Safety	55LA30	PR	1	5.37	0.19	3.92
255	3,000	Filter,Magenta,Bayonet,PK2	3M	2091	Safety	4JG27	PK	2	14.76	0.19	7.57
256	3,000	DupRcptWllPlt,Stnd;Ivory,1Gng,Smth Stn	HUBBELL	P8I	Electrical	55KT43	EA	1	0.98	0.23	0.47
257	3,000	Paper Towel Sheets,White,125,21000,PK16	GEORGIA-PACIFIC	21000	Cleaning	3JG98	PK	16	72.72	0.22	32.53
258	3,000	Mini CPR Key Ring,CPR Barrier,Nylon	GENUINE FIRST AID	9999-2401	Safety	34WK80	EA	1	2.61	0.19	1.36
259	3,000	Disposable Gloves,Nitrile,M,PK100	MICROFLEX	N642	Safety	2VLZ7	PK	100	17.84	0.19	12.5
260	3,000	Cut Resistant Gloves,Blue/Gray,XL,PR	ACTIVARMR	80-100	Safety	4JY14	PR	1	5.09	0.19	3.31
261	3,000	Gasket,Acorn	ACORN	0469-005-000	Plumbing	2EVR4	EA	1	5.27	0.2	2.08
262	3,000	Windshield Wash Cleaner,1 Gal,-20 F	SPLASH	234526	Fleet and Vehicle Maintenance	2EXW5	EA	1	6.74	0.08	2.28
263	3,000	Toilet Paper Roll,1000,White,19510,PK6	GEORGIA-PACIFIC	19510	Cleaning	19YA04	PK	6	97.95	0.22	42.89
264	3,000	Linear FLUOR Bulb,T5,45-1/4" L,G5,3500K	CURRENT	F54W/T5/835/HO/ECO	Lighting	5AE34	EA	1	11.55	0.22	5.24
265	3,000	Hand Warmer,2-1/4 In. x 3-1/2 In.,PK10	HOTHANDS	HH210PK48	Safety	26KF14	PK	10	12.93	0.19	4.85
266	3,000	Medicine Cabinet,22 in H,16 in W	KETCHAM	1622-SM	Plumbing	6MXY4	EA	1	99.88	0.2	49.36
267	3,000	Disinfecting Wipes,160 ct,Canister	PDI	Q55172	Cleaning	9RYJ7	EA	1	16.91	0.22	6.86
268	3,000	Coated Gloves,Black/Blue,XL	SHOWA	380XL-09	Safety	2AFD6	PR	1	6.71	0.19	3.34
269	3,000	Linear Fluorescent Bulb,28W,4100K	SYLVANIA	FP28/841/ECO	Lighting	56GK75	EA	1	4.25	0.22	3.31
270	3,000	Grab Bar,SS,Knurled Satin,18 in L	WINGITS	WGB6SSKN18	Plumbing	34CE86	EA	1	39.24	0.2	16.38
271	3,000	Coated Glvs,Palm Finger,Blk/Gry,9,PR	HYFLEX	11-600	Safety	4JU93	PR	1	3.59	0.19	2.2
272	3,000	Storage Tote,Clear/White,Polypropylene	STERILITE	16598008	Material Handling	53GN18	EA	1	19.21	0.15	9.16
273	3,000	Beverage Cooler,Hard Sided,3.0 gal.	IGLOO	431	Safety	3ZC45	EA	1	67.83	0.19	28.52
274	3,000	Baseboard Stripper,Liquid,21 oz	3M	14001	Cleaning	3U123	EA	1	33.62	0.22	15.83
275	3,000	Vacuum Breaker Assembly,Zurn	ZURN	P6000-B-HP	Plumbing	25CH47	EA	1	4.94	0.2	2.52
276	3,000	Bungee Strap,Black,21" L	GOLDLINE	635196942	Material Handling	14J849	EA	1	2.74	0.15	1.54
277	3,000	ProPress 90 elbow, 3/4" x 3/4"	VIEGA PROPRESS	77022	Plumbing	48RH53	EA	1	5.52	0.2	3.72
278	3,000	Star Edger Blade, 9 In. Dia.	STENS	375-411	Outdoor Equipment	11T607	EA	1	15.08	0.12	8.94
279	3,000	Coated Gloves,Nitrile,Black/Gray,9	HYFLEX	11-840	Safety	20KJ47	PR	1	6.49	0.19	3.89
280	3,000	Mop Bucket and Wringer,Yellow,8 3/4 gal	RUBBERMAID COMMERCIAL PRODUCTS	FG758088YEL	Cleaning	5NY79	EA	1	190.62	0.22	66.61
281	3,000	Linear Fluorescent Bulb,32W,3500K	SYLVANIA	FO32/835/XV/ECO	Lighting	56GK94	EA	1	4.09	0.22	2.93
282	3,000	FLUOR Ballast,Electronic,Instant,56W	CURRENT	GE232MAX-G-N	Lighting	2VEW9	EA	1	21.6	0.22	13.53
283	3,000	Paper Towel Sheets,Brown,250,23304,PK16	GEORGIA-PACIFIC	23304	Cleaning	2U229	PK	16	75.17	0.22	32.99
284	3,000	Coated Gloves,3/4 Dip,10-1/2",XL,	MCR SAFETY	9669XL	Safety	21NM53	PR	1	2.19	0.19	1.42
285	3,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL950/ALTO 30PK	Lighting	492X56	EA	1	5.61	0.22	2.06
286	3,000	Pipe Sealant Tape,Black,PVC,1199" L	SHURTAPE	PW 100	Adhesives, Sealants and Tape	415F90	EA	1	14.39	0.1	6.33
287	3,000	Rust Preventative Spray Primer,Gray,15oz	RUST-OLEUM	V2182838	Paint, Equipment and Supplies	5U705	EA	1	15.52	0.12	7.28
288	3,000	Chemical Resistant Glove,14" L,Sz 10,PR	ALPHATEC	39-124	Safety	5AZ80	PR	1	12.95	0.19	7.9
289	3,000	Hand Cleaning Towels,6" x 8",Citrus	D-LEAD	WT041	Cleaning	3VDJ5	EA	1	14.31	0.22	7.53
290	3,000	Storage Tote,Clear/White,Polypropylene	STERILITE	16428012	Material Handling	53GN16	EA	1	4.09	0.15	2.26
291	3,000	Hard Hat,Type 1, Class E,Ratchet,White	MSA	475369	Safety	4LN96	EA	1	36.96	0.19	18.2
292	3,000	Sports Drink Mix,Orange	GATORADE	3957	Safety	3UYW6	EA	1	4.58	0.19	1.87
293	3,000	Wire Rope Oval Sleeve,3/32 In,122 Copper	LOOS	SL2-3	Material Handling	16X777	EA	1	0.37	0.15	0.28
294	2,000	FloorStripper,Liquid,5L,Hose End Sprayer	DIVERSEY	95547312	Cleaning	20J849	EA	1	287.31	0.22	108.8
295	2,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL850 PLUS ALTO HV 30PK	Lighting	492X60	EA	1	7.83	0.22	4
296	2,000	Sports Drink Mix,Lemon Lime,Regular,PK10	GATORADE	04700	Safety	61KG05	PK	10	11.39	0.19	8.31
297	2,000	Corr Shelf Bin,White,Cardboard,4 3/4 in	PACKAGING CORPORATION OF AMERICA	1W771	Material Handling	1W771	EA	1	1.47	0.15	1.02
298	2,000	Storage Tote,Clear/Blue,Polypropylene	STERILITE	14449606	Material Handling	52JL98	EA	1	21.03	0.15	10.39
299	2,000	Universal Absorbent,25 lb.,Bag	EP MINERALS	8925	Safety	6RKJ5	EA	1	14.8	0.19	9.12
300	2,000	Ztek,Clear Frame,Clear Antifog Lens	PYRAMEX	S2510ST	Safety	29XT62	EA	1	3.76	0.19	1.22
301	2,000	Glass Scraper,Flexible,1-1/2",Steel	HYDE	13050	Hand Tools	5LM21	EA	1	5.23	0.14	2.42
302	2,000	Relief Valve,Sloan	SLOAN	A19AC	Plumbing	2XU10	EA	1	11.65	0.2	4.87
303	2,000	Storage Tote,Clear/White,Polypropylene	STERILITE	14968006	Material Handling	52VN74	EA	1	16.15	0.15	7.48
304	2,000	11 oz.,Aerosol,Penetrant	LIQUID WRENCH	L112	Lubrication	54YT50	EA	1	9.03	0.1	7.56
305	2,000	Multi-Bit Screwdriver,11-In-1,SAE	KLEIN TOOLS	32500	Hand Tools	2RKT1	EA	1	27.53	0.14	15.59
306	2,000	Marking Paint,20 oz,APWA Blue	KRYLON INDUSTRIAL	A03621007	Paint, Equipment and Supplies	54TH45	EA	1	13.26	0.12	4.31
307	2,000	Beverage Jug,Plastic,Blue/White,1 gal	COLEMAN	2158645	Safety	790LN2	EA	1	13.07	0.19	9.53
308	2,000	Strt Plg,Blk; Wht,15 A,Stnd,5-15P	HUBBELL	HBL5266C	Electrical	4A250	EA	1	25.98	0.23	8.33
309	2,000	Ice Melt,Granular,50 lb.,Carton,-20 F	PREMIERE	SU050BX-GR	Outdoor Equipment	4KA50	EA	1	42.35	0.12	21.43
310	2,000	Bungee Strap,Black,15" L	GOLDLINE	635197842	Material Handling	14J848	EA	1	2.42	0.15	1.63
311	2,000	Lever Door Holder,Clear Aluminum,5" H	KABA ILCO	IL-KDDH-5-AL	Hardware	40JL03	EA	1	9.53	0.05	4.53
312	2,000	ProPress 90 elbow, 1/2" x 1/2"	VIEGA PROPRESS	77317	Plumbing	1RPJ4	EA	1	3.69	0.2	2.48

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
313	2,000	Coated Glvs,Palm Finger,Blk/Gry,10,PR	HYFLEX	11-600	Safety	4JU94	PR	1	3.59	0.19	2.2
314	2,000	Coated Gloves,Nylon,M,PR	MCR SAFETY	N9674M	Safety	2ELL7	PR	1	6.97	0.19	2.84
315	2,000	Elec Tape,60 ft Lx3/4 in W,6 mil,Black	3M	165BK4A	Adhesives, Sealants and Tape	61CF49	EA	1	2.41	0.1	2.02
316	2,000	Rocker Wall Plate,Mid;Wht,1Gng,Smth Stn	HUBBELL	PJ26W	Electrical	55KT58	EA	1	1.02	0.23	0.64
317	2,000	Fuel Cylinder,MAP-Pro,14.1 oz	BERNZOMATIC	333668	Welding	2YMW6	EA	1	19.58	0.1	11.08
318	2,000	Conduit Clamp,Steel,Overall L 2.17in	RACO	1333	Electrical	206F25	EA	1	0.35	0.23	0.22
319	2,000	Aerosol Paint,Sunburst Yellow,Gloss	RUST-OLEUM	7747830	Paint, Equipment and Supplies	36RD95	EA	1	16.61	0.12	6.32
320	2,000	Silicone Sealant,Clear,All Purpose	GE	2795576	Adhesives, Sealants and Tape	4UG98	EA	1	13.46	0.1	5.54
321	2,000	Inverted Marking Chalk,20 oz,White	RUST-OLEUM	205237	Paint, Equipment and Supplies	3BU10	EA	1	14.49	0.12	4.75
322	2,000	Aerosol Duster,Net 10 Oz.	SPRAYWAY	SW805	Office Supplies	45C018	EA	1	23.48	0.05	8.96
323	2,000	Battery,Lithium,Size 123,3VDC,PK12	STREAMLIGHT	85177	Electronics, Appliances, and Batteries	2VEW2	PK	12	41.72	0.19	21.51
324	2,000	Safety Glasses,Blue Mirror	KLEENGUARD	14481	Safety	33VA55	EA	1	9.64	0.19	3.55
325	2,000	Wasp and Hornet Killer,14 oz.,Aerosol	HOT SHOT	HG-13415	Outdoor Equipment	36WG20	EA	1	12.37	0.12	4.88
326	2,000	Coin Battery,Lithium,3VDC,2032	ENERGIZER	ECR2032BP	Electronics, Appliances, and Batteries	45EK15	EA	1	2.95	0.19	1.27
327	2,000	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	BD-1003-NPF-L	Safety	35T202	PK	100	16.58	0.19	12.22
328	2,000	Silicone Sealant,Clear,Window,Door	DAP	08641	Adhesives, Sealants and Tape	5A463	EA	1	16.69	0.1	5.34
329	2,000	Beverage Cooler,Hard Sided,2.0 gal.	IGLOO	421	Safety	6YG04	EA	1	55.55	0.19	24.28
330	2,000	Line Marking Paint,20 oz,Fluor. Orange	RUST-OLEUM	203036	Paint, Equipment and Supplies	6KP38	EA	1	11.32	0.12	4.09
331	2,000	Linear Fluorescent Bulb,54W,4100K	SYLVANIA	FP54/841/HO/ECO	Lighting	56GK91	EA	1	4.25	0.22	3.31
332	2,000	Disposable Respirator,Universal,P100	3M	8293	Safety	4MH54	EA	1	21.58	0.19	11.34
333	2,000	Construction Marking Paint,20 oz,White	RUST-OLEUM	264692	Paint, Equipment and Supplies	21CJ69	EA	1	11.01	0.12	3.85
334	2,000	Acid/Flux Brush,3/8 in Brush L	WEILER	44089	Cleaning	31NF92	EA	1	0.49	0.22	0.32
335	2,000	Toilet Paper Roll,550,Wt,19880/01,PK80	GEORGIA-PACIFIC	19880/01	Cleaning	4TE17	PK	80	130.97	0.22	60.44
336	2,000	Electrical Box Cover,Blank,4-1/8 in.	RACO	752	Electrical	5A053	EA	1	1.74	0.23	0.73
337	2,000	Lubricant,12 oz.,Aerosol	TRI-FLOW	TF200271	Lubrication	3KB67	EA	1	32.51	0.1	11.92
338	2,000	Disposable Gloves,Rubber Latex,M,PK100	MICROFLEX	MF-300-M	Safety	2TEK5	PK	100	25.76	0.19	15.46
339	2,000	Beverage Jug,Gray,1 gal	IGLOO	31388	Safety	60UF79	EA	1	21.19	0.19	15.44
340	2,000	Sports Drink Mix,Fruit Punch,PK10	GATORADE	04702	Safety	61KG04	PK	10	11.39	0.19	8.31
341	2,000	Connector,Steel,Overall L 1 15/32in	RACO	2123	Electrical	52AU83	EA	1	1.31	0.23	0.58
342	2,000	Pleated Air Filter	PURAFILTER	24242MV13	HVAC and Refrigeration	60YP42	EA	1	25.08	0.4	15.05
343	2,000	Linear LED Bulb,T8,47-3/4" L,G13,5000K	PHILIPS	14T8/COR/48-850/IF21/G/DIM 10/1	Lighting	406T69	EA	1	14.02	0.22	5.42
344	2,000	Glove,Blk Nitrl PlmCoat,Gry,10,PR	HYFLEX	11-801	Safety	5AJ30	PR	1	6.49	0.19	4.11
345	2,000	Plug-In CFL Bulb,32W,2400 lm,3500K	SYLVANIA	CF32DT/E/IN/835/ECO	Lighting	56GK86	EA	1	8.18	0.22	6.22
346	2,000	Contact Clnr,Aero Spray Can,11 oz,Liq,QD	CRC	03130	Cleaning	1D262	EA	1	28.96	0.22	12.86
347	2,000	11 wt oz.,Aerosol Can,Lubricants	LPS	00116	Lubrication	6Y743	EA	1	22.77	0.1	11.28
348	2,000	Metallic Conduit,Steel,Trd Sz 1/2in	ALLIED	583195	Electrical	6XC30	EA	1	12.56	0.23	4.93
349	2,000	Connector,Die Cast Zinc,Overall L 0.81in	RACO	2711	Electrical	52AX66	EA	1	1.15	0.23	0.51
350	2,000	Dup Rcpt WII Plt,Stnd;Wht,1Gng,Smth Stn	HUBBELL	P8W	Electrical	55KT46	EA	1	0.98	0.23	0.47
351	2,000	Plug-In CFL Bulb,3500K,26W,17,000 hr	CURRENT	F26DBX/835/ECO4P	Lighting	1PGY6	EA	1	11.36	0.22	5.51
352	2,000	Key Reel,48 In,Kevlar(R) Cord,Belt Clip	KEY-BAK	0S48-803	Security	1PGP7	EA	1	20.73	0.15	8.39
353	2,000	Control Stop Repair Kit,Sloan	SLOAN	H541ASD	Plumbing	2XU31	EA	1	19.36	0.2	9
354	2,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL930/ALTO 30PK	Lighting	492X53	EA	1	5.47	0.22	2.06
355	2,000	FLUOR Ballast,Electronic,Instant,32W	ADVANCE	IOPA-2P32-N	Lighting	5PTN4	EA	1	21.23	0.22	15.44
356	2,000	Chemical Resistant Glove,17 mil,Sz 9,PR	ALPHATEC	87-198	Safety	1RL37	PR	1	1.8	0.19	1.03
357	2,000	Disposable Respirator,Universal,N95,PK20	3M	8210	Safety	3KP43	PK	20	32.61	0.19	19.57
358	2,000	Safety Glass,Clear Lens,Half-Frame	MCR SAFETY	CL400	Safety	55KY22	EA	1	2.78	0.19	2.02
359	2,000	Athletic Field Striping Paint,20oz,White	RUST-OLEUM	206043	Paint, Equipment and Supplies	3BU13	EA	1	14.77	0.12	4.98
360	2,000	FLUOR Ballast,Electronic,Instant,110W	CURRENT	GE432MAXP-N-ULTRA	Lighting	5GVC4	EA	1	30.88	0.22	17.17
361	2,000	Sanitary Napkin Bags,10" x 9",PK250	HOSPECO	HS-6141	Cleaning	3U824	PK	250	42.67	0.22	12.25
362	2,000	660 W,White,Medium Bi-Pin (G13)	LEVITON	13353-NX	Lighting	799L68	EA	1	2.76	0.22	1.95
363	2,000	Disinfecting Wipes,(12) 160 ct,PK12	DIVERSEY	4599516	Cleaning	5KRJ1	PK	12	321.95	0.22	113.8
364	2,000	Disposable Gloves,Nitrile,S,PK100	TOUCHNTUFF	92-600	Safety	4GC48	PK	100	26.44	0.19	9.25
365	2,000	Elbow,90 Deg,Wrot Copper,1/2" Tube	NIBCO	607.5	Plumbing	5P051	EA	1	1.34	0.2	0.78
366	2,000	Disposable Gloves,Nitrile,L,PK100	SHOWA	6110PF L	Safety	59LT61	PK	100	18.72	0.19	10.45
367	2,000	Disposable Gloves,Nitrile,M,PK100	SHOWA	6110PF M	Safety	59LT60	PK	100	18.72	0.19	10.45
368	2,000	Servomotor Plate,Acorn	ACORN	2563-019-001	Plumbing	2EVY1	EA	1	10.99	0.2	5.47
369	2,000	Nitrile,Disposable,Biodegradable,PK100	SHOWA	7500PFS	Safety	797FX1	PK	100	18.48	0.19	12.22
370	2,000	Nesting Container,Gray,Plastic	RUBBERMAID COMMERCIAL PRODUCTS	FG334900GRAY	Material Handling	5M668	EA	1	17.21	0.15	8.58
371	2,000	Disposable Gloves,Nitrile,S,PK100	SHOWA	6110PF S	Safety	59LT59	PK	100	18.72	0.19	10.45
372	2,000	Disposable Gloves,Nitrile,M,PK100	MICROFLEX	LSE-104	Safety	464D72	PK	100	41.01	0.19	18.38
373	2,000	LED,9 W,T13,4-Pin (G24q-3)	CURRENT	LED9G24Q-H/835	Lighting	460U55	EA	1	19.18	0.22	12.91
374	2,000	Tamperproof Tube Marker, Orange	DYKEM	83314	Safety	4TKH1	EA	1	12.24	0.19	5.26
375	2,000	Linear FLUOR Bulb,T8,23-3/4" L,G13,3500K	CURRENT	F17T8/SP35/ECO	Lighting	6XT97	EA	1	7.52	0.22	3.59
376	2,000	Abrasive Cut-Off Wheel,0.045" Thick	DEWALT	DW8062H	Abrasives	416L01	EA	1	4.46	0.1	2.23
377	2,000	Bungee Strap,Black,10" L	GOLDLINE	635197942	Material Handling	14J847	EA	1	1.97	0.15	0.84
378	2,000	Plug-In CFL Bulb,4100K,13W,10,000 hr	CURRENT	F13BX/841/ECO	Lighting	1PGU6	EA	1	5.19	0.22	1.65
379	2,000	Spray Paint,Safety Yellow,15 oz.	RUST-OLEUM	V2143838	Paint, Equipment and Supplies	5H898	EA	1	17.06	0.12	7.4
380	2,000	Plug-In CFL Bulb,3500K,32W,17,000 hr	CURRENT	F32TBX/835/A/ECO	Lighting	1PHA4	EA	1	16.36	0.22	6.8
381	2,000	Plug-In CFL Bulb,26W,1710 lm,3500K	SYLVANIA	CF26DD/E/835/ECO	Lighting	56GK87	EA	1	2.93	0.22	2.09
382	2,000	Corr Shelf Bin,White,Cardboard,4 3/4 in	PACKAGING CORPORATION OF AMERICA	1W767	Material Handling	1W767	EA	1	1.4	0.15	0.98
383	2,000	Linear Fluorescent Bulb,28W,3500K	SYLVANIA	FO28835XPSSECO3	Lighting	56GK81	EA	1	4.11	0.22	2.94
384	2,000	CFL,9 W,T4,2-Pin (G23)	SYLVANIA	21272	Lighting	60UA70	EA	1	6.63	0.22	4.24
385	2,000	Coated Gloves,Nylon,L,PR	MCR SAFETY	N96790L	Safety	40P596	PR	1	6.47	0.19	2.81
386	2,000	Leather Gloves,10,Goatskin,PR	RINGERS GLOVES	664-10	Safety	115N40	PR	1	49.44	0.19	21.53
387	2,000	Degreaser,20 oz.,Aerosol Can	SPRAYWAY	SW286	Cleaning	45A997	EA	1	12.13	0.22	8.51
388	2,000	Protectant Lubricant,12 oz. Size	SLICK 50	43712012	Fleet and Vehicle Maintenance	465D27	EA	1	11.67	0.08	5.9
389	2,000	LED,12.5 W,T8,Medium Bi-Pin (G13)	PHILIPS	12.5T8/COR/48-840/FF18/G/DIM 25/1	Lighting	60EE67	EA	1	21.08	0.22	13.49
390	2,000	ProPress coupling No stop, 3/4" x 3/4"	VIEGA PROPRESS	78177	Plumbing	1RPH1	EA	1	9.65	0.2	6.81

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
391	2,000	Exam Glove,Nitrile,Size L,PK100	MICROFLEX	92-134	Safety	793JR4	PK	100	12.38	0.19	6.25
392	2,000	Barricade Tape,Caution,Yllw,Roll 3"	QUEST	Y175M31000C-12	Security	444P15	EA	1	11.88	0.15	9.09
393	2,000	Keyed Padlock, 3/8 in,Rectangle,Gold	MASTER LOCK	4120KA	Security	4YH20	EA	1	6.02	0.15	3
394	2,000	Toilet Paper Roll,1000,White,19375,PK36	GEORGIA-PACIFIC	19375	Cleaning	4TH42	PK	36	159.54	0.22	73.39
395	2,000	Battery,Lithium,AA,Hi Performance,PK24	ENERGIZER	LN91	Electronics, Appliances, and Batteries	22M707	PK	24	95.75	0.19	52.53
396	2,000	Disposable Gloves,Nitrile,XL,PK100	MICROFLEX	BD-1004-NPF-XL	Safety	35T203	PK	100	16.58	0.19	12.22
397	2,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL935/ALTO 30PK	Lighting	492X55	EA	1	5.67	0.22	2.06
398	2,000	D-Ring,Zinc Plated,1/4" dia,1000 lb. Cap	BUYERS PRODUCTS	B23PKGD	Fleet and Vehicle Maintenance	426T64	EA	1	3.03	0.08	1.36
399	2,000	Sports Drink Mix,Orange,Regular,PK10	GATORADE	04701	Safety	61KG06	PK	10	11.39	0.19	8.31
400	2,000	Linear LED Bulb,T8,48" L,G13,4000K	CURRENT	LED15ET8/G/4/840	Lighting	48PY02	EA	1	14.77	0.22	8.57
401	2,000	Disposable Gloves,Nitrile,M,PK100	MICROFLEX	N192	Safety	2VLY7	PK	100	23.23	0.19	11.56
402	2,000	Pots&Pans Cleaner,Bottle,38oz,Liquid,PK8	DAWN	45112	Cleaning	1JYZ5	PK	8	104.75	0.22	44.24
403	2,000	Wire Rope Oval Sleeve,1/8 In,122 Copper	LOOS	SL2-4	Material Handling	16X778	EA	1	0.72	0.15	0.39
404	2,000	Knockout Plug,Conduit Size 1/2"	RACO	1042	Electrical	52AW71	EA	1	0.78	0.23	0.29
405	2,000	Chainsaw Lube,1 qt.,Jug	ECHO	6459012E	Lubrication	45J376	EA	1	12.75	0.1	5.88
406	2,000	8 oz.,Aerosol,Lubricant	WD-40	490026	Lubrication	20JY60	EA	1	10.07	0.1	5.28
407	2,000	Plug-In CFL Bulb,4100K,32W,17,000 hr	CURRENT	F32TBX/841/A/ECO	Lighting	1PHA5	EA	1	16.05	0.22	6.91
408	2,000	Marking Paint,20 oz,Brilliant Red	KRYLON INDUSTRIAL	A03911004	Paint, Equipment and Supplies	38EL34	EA	1	11.58	0.12	3.76
409	2,000	Linear FLUOR Bulb,T8,47-3/4" L,G13,3500K	CURRENT	F28T8/XL/SPX35/ECO	Lighting	2ETU2	EA	1	8.28	0.22	3.27
410	2,000	Exam Glove,Nitrile,Size XL,PK100	MICROFLEX	92-134	Safety	793JR5	PK	100	12.38	0.19	8.2
411	2,000	Flow Control Plug,Acorn	ACORN	2312-003-001	Plumbing	1KAA2	EA	1	15.39	0.2	8.99
412	2,000	Abrasive Cut-Off Wheel,60 Grit	BOSCH	TCWX27S450	Abrasives	54ZT80	EA	1	4.08	0.1	1.2
413	2,000	Glue Trap,10-1/4 In. L,5-7/32 In. W,PK2	CATCHMASTER	404SD	Outdoor Equipment	3LMN7	PK	2	7.43	0.12	2.93
414	2,000	Protectant,Trigger Spray,28 oz.	ARMOR ALL	10228A	Fleet and Vehicle Maintenance	52JM50	EA	1	24.86	0.08	12.19
415	2,000	Handle,60 in L,Tapered	RUBBERMAID COMMERCIAL PRODUCTS	FG636200NAT	Cleaning	53GX74	EA	1	13.96	0.22	5.29
416	2,000	Spray Foam Sealant,Cream,12 oz	GREAT STUFF	00157901	Adhesives, Sealants and Tape	48WK15	EA	1	20.31	0.1	9.44
417	2,000	Leather Gloves,11,Goatskin,PR	RINGERS GLOVES	664-11	Safety	115N41	PR	1	49.44	0.19	21.53
418	2,000	Diaphragm Assembly,Manual,Toilets,3.5GPF	SLOAN	A1038A	Plumbing	4FB31	EA	1	58.22	0.2	22.19
419	2,000	LED,10 W,A19,Medium Screw (E26)	PHILIPS	13.5A19/LED/950/FR/P/ND 4/1FB	Lighting	784N98	EA	1	4.01	0.22	2.87
420	2,000	LED,8.8 W,A19,2-Pin (GU24)	PHILIPS	8.8A19/PER/930/P/GU24/DIM 6/1FB T20	Lighting	55YD45	EA	1	7.52	0.22	3.13
421	2,000	Conduit Clamp,Steel,Overall L 2.334in	RACO	2084	Electrical	206F91	EA	1	0.39	0.23	0.24
422	2,000	Linear Fluorescent Bulb,40W,4100K	SYLVANIA	F40CWX	Lighting	56GK41	EA	1	4.56	0.22	3.26
423	2,000	Terminal Block,20 A,26 AWG,12 AWG	SCHNEIDER ELECTRIC	NSYTRV22	Electrical	23NY07	EA	1	2.04	0.23	0.87
424	2,000	Coated Gloves,Cotton/Polyester,L,PR	MCR SAFETY	9688L	Safety	48GH16	PR	1	4.63	0.19	2.1
425	2,000	Glass Scraper,Stiff,1-1/2",Carbon Steel	PACIFIC HANDY CUTTER, INC	MS-410	Hand Tools	4MUW8	EA	1	3.24	0.14	1.67
426	2,000	Hand Soap,BLU,1,250 mL,Botanical,PK3	GOJO	8816-03	Cleaning	12Z367	PK	3	100.19	0.22	36.03
427	2,000	Coated Gloves,3/4 Dip,10",L,	MCR SAFETY	9669L	Safety	21NM50	PR	1	2.19	0.19	1.42
428	2,000	Gen Purpose Gloves,Black/Blue,9	HYFLEX	11-618	Safety	36H145	PR	1	5.43	0.19	2.78
429	2,000	Disposable Gloves,L,Violet Blue,PK100	MICROFLEX	SU-690	Safety	794H56	PK	100	23.98	0.19	12.71
430	2,000	Battery,Alkaline,AA,Premium,PK36	DURACELL	mn15p36	Electronics, Appliances, and Batteries	39G076	PK	36	50.02	0.19	20.25
431	2,000	Linear Fluorescent Bulb,32W,4100K	SYLVANIA	FO32841XPXLECO3	Lighting	56GK06	EA	1	4.49	0.22	3.5
432	2,000	Coated Gloves,Blue/Gray,L,PR	SHOWA	300L-09	Safety	4JF56	PR	1	4.78	0.19	1.99
433	2,000	Tongue and Groove Plier,12" L	CHANNELLOCK	440	Hand Tools	4CR41	EA	1	27.26	0.14	14.9
434	2,000	Linear Fluorescent Bulb,17W,3500K	SYLVANIA	FO17/835/ECO	Lighting	56GK26	EA	1	3.95	0.22	3.08
435	2,000	Plug-In CFL Bulb,26W,1710 lm,4100K	SYLVANIA	CF26DD/E/841/ECO	Lighting	56GK85	EA	1	2.93	0.22	2.29
436	2,000	Conduit Clamp,Steel,Overall L 1.905in	RACO	1332	Electrical	206F24	EA	1	0.32	0.23	0.2
437	2,000	Coin Cell Battery,0.126" D,PK5	DURACELL PROCELL	PC2032	Electronics, Appliances, and Batteries	56FJ72	PK	5	7.86	0.19	1.95
438	2,000	Non-Detergent Compressor Oil,1 qt,Bottle	MOBIL	123001	Pneumatics	4ZF21	EA	1	15.66	0.11	7.27
439	2,000	Safety Glasses,Clear	SMITH & WESSON	21302	Safety	2UYG6	EA	1	13.91	0.19	5.89
440	2,000	Sanitizer Wipes,Canister,6 x 7-1/2".	PDI	P13472	Cleaning	9AM02	EA	1	13.87	0.22	7.55
441	2,000	Evaporator Cleaner,Aerosol,18 fl oz	NU-CALGON	4171-75	HVAC and Refrigeration	1ANJ6	EA	1	22.66	0.17	9.35
442	2,000	Wax Ring,Universal Fit	HARVEY	011003	Plumbing	2WY63	EA	1	3.85	0.2	2.39
443	2,000	Adjustable Cble Lockout,3 ft.,4 Lcks Max	MASTER LOCK	S806CBL3	Safety	39L528	EA	1	34.8	0.19	17.65
444	2,000	Inverted Striping Paint,18 oz,White	RUST-OLEUM	2391838V	Paint, Equipment and Supplies	784GN6	EA	1	21.51	0.12	11.57
445	2,000	Swiffer Wet Cloths,8 in W,Grn/Whte,PK12	SWIFFER	35154	Cleaning	20L002	PK	12	121.59	0.22	57.79
446	2,000	Recept,Wht,20 A,GFCI,2P3W,Back; Side,1PK	HUBBELL	GFRST20W	Electrical	39EA26	EA	1	42.77	0.23	15.85
447	2,000	Lockout Hasp,Snap-On,Red,4-3/8in. L	MASTER LOCK	416	Safety	40CL91	EA	1	9.08	0.19	5.71
448	2,000	Duct Tape,Gray,2 in x 50 yd,6.5 mil	3M	3903	Adhesives, Sealants and Tape	15F772	EA	1	18.23	0.1	8.99
449	2,000	Paper Towel Sheets,Brown,250,23504,PK16	GEORGIA-PACIFIC	23504	Cleaning	4CJ75	PK	16	77.52	0.22	29.02
450	2,000	Loose Absorbent,25 lb.,Bag,Tan	EP MINERALS	9825	Safety	191W88	EA	1	12.39	0.19	9.04
451	2,000	Disposable Gloves,XL,Violet Blue,PK100	MICROFLEX	SU-690	Safety	794H57	PK	100	23.98	0.19	16.67
452	2,000	Coated Gloves,Palm and Fingers,8,8"	HYFLEX	11-801	Safety	5AJ28	PR	1	6.49	0.19	4.11
453	2,000	Disposable Gloves,Nitrile,L,PK50	MICROFLEX	SEC-375-L	Safety	3RRK4	PK	50	20.98	0.19	12.47
454	2,000	Locknut,Steel,Trade Size 1/2"	RACO	1192	Electrical	52AU42	EA	1	0.18	0.23	0.11
455	2,000	Flapper,Fluidmaster	FLUIDMASTER	501P21G	Plumbing	406R72	EA	1	6.26	0.2	3.59
456	2,000	CutOff Whl,Gemini Ductile,14"x.125"x20mm	NORTON	66252837843	Abrasives	12V891	EA	1	18.18	0.1	9.71
457	2,000	Insect Killer,Indoor and Outdoor,15 oz.	RAID	300819	Outdoor Equipment	45CR52	EA	1	15.79	0.12	6.25
458	2,000	OTG Goggles,Antfg,Clr	HONEYWELL UVEX	S350	Safety	6T362	EA	1	14.63	0.19	6.24
459	2,000	Sports Drink Mix,Riptide Rush	GATORADE	33673	Safety	3AM69	EA	1	11.18	0.19	4.42
460	2,000	Conduit Fitting,Iron; Steel,Trd Sz 1/2in	RACO	3512RAC	Electrical	3LL05	EA	1	6.26	0.23	1.25
461	2,000	Diaphragm Assembly,Manual,Toilets,3.5GPF	ZURN	P6000-ECR-WS	Plumbing	4HCV6	EA	1	23.86	0.2	9.23
462	2,000	Linear FLUOR Bulb,T5,33-3/8" L,G5,4100K	CURRENT	F21WT5/841/ECO	Lighting	5AE17	EA	1	11.4	0.22	5.89
463	2,000	Coin Battery,Lithium,3VDC,2032,PK4	ENERGIZER	2032BP-4	Electronics, Appliances, and Batteries	45EJ83	PK	4	10.95	0.19	3.39
464	2,000	Flat Reflector,3",4000X	TELEMECANIQUE SENSORS	RF30	Electrical	5B317	EA	1	9.2	0.23	4.75
465	2,000	Locknut,Steel,Overall L 1 1/8in	RACO	1002	Electrical	43GX16	EA	1	0.39	0.23	0.22
466	2,000	Linear FLUOR Bulb,T8,47-3/4" L,G13,5000K	CURRENT	F28T8/XL/SPX50/ECO	Lighting	2ETU4	EA	1	7.16	0.22	3.72
467	2,000	Linear LED Bulb,T5,46" L,G5,4000K	CURRENT	LED26ET5/G/4/840	Lighting	436L59	EA	1	26.52	0.22	12.79
468	2,000	Braz Torque-Black/Pol Smk	EDGE EYEWEAR	TXB236	Safety	20C473	EA	1	47.28	0.19	21.04

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

Price Page

						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
469	2,000	Emergency Drinking Water,125mL	MAYDAY	78804	Safety	11C664	EA	1	0.99	0.19	0.46
470	2,000	Sink Drain,4 in Dia,SS	PERFECT PUTTY	59-3190	Plumbing	415F56	EA	1	16.19	0.2	11.66
471	2,000	Linear Fluorescent Bulb,14W,3500K	SYLVANIA	FP14/835/ECO	Lighting	56GK50	EA	1	4.25	0.22	3.31
472	2,000	Marking Paint,20 oz,Safety Red	RUST-OLEUM	264696	Paint, Equipment and Supplies	21CJ73	EA	1	11.01	0.12	3.85
473	2,000	Wire Rope Sleeve,1/16 In,304 SS	LOOS	SL11-2	Material Handling	16X827	EA	1	1.03	0.15	0.75
474	2,000	Tourniquet,Black,Nylon,2-13/32" L	COMBAT APPLICATION TOURNIQUET	30-0001	Safety	55MW30	EA	1	40.57	0.19	25.84
475	2,000	Paper Towel Roll,1000,Brown,26480,PK6	GEORGIA-PACIFIC	26480	Cleaning	6TKF3	PK	6	153.58	0.22	70.52
476	2,000	Adj. Bungee Strap,Black,24" L	KEEPER	06261	Material Handling	39J421	EA	1	3.8	0.15	1.98
477	2,000	Diaphragm Assembly,Manual,Urinals,1 GPF	SLOAN	A42A	Plumbing	4LW52	EA	1	32.71	0.2	15.55
478	2,000	Safety Glasses,Clear,Uncoated	PYRAMEX	S510S	Safety	34WR31	EA	1	1.84	0.19	1.22
479	2,000	Coated Gloves,Cotton/Polyester,XL,PR	MCR SAFETY	FT300XL	Safety	48GG95	PR	1	5.82	0.19	2.48
480	2,000	Faucet Repair Kit,Fits Delta	DELTA	RP3614	Plumbing	1NNZ1	EA	1	13.08	0.2	8.39
481	2,000	Nitrile Gloves,L,PK100	MECHANIX WEAR	D01-09-010-100	Safety	60NP58	PK	100	55.2	0.19	20.99
482	2,000	Line Marking Paint,20oz,APWA SafetyGreen	RUST-OLEUM	1634838V	Paint, Equipment and Supplies	783AE3	EA	1	12.22	0.12	4.09
483	2,000	Paper Towel Sheets,White,240,25190,PK10	GEORGIA-PACIFIC	25190	Cleaning	2U227	PK	10	94.97	0.22	39.22
484	2,000	Polyrex EM,Motor Grease,Cartridge,14 oz	MOBIL	124050	Lubrication	5XB54	EA	1	9.82	0.1	5.12
485	2,000	Striping Paint,20 oz,White	RUST-OLEUM	1691838V	Paint, Equipment and Supplies	784GN5	EA	1	12.62	0.12	8.47
486	2,000	Disposable Gloves,Nitrile,M,PK100	TOUCHNTUFF	92-600	Safety	4GC49	PK	100	26.44	0.19	9.25
487	2,000	Disposable Gloves,Nitrile,XL,PK100	SHOWA	6112PFXL	Safety	160F61	PK	100	18.72	0.19	8.54
488	2,000	Battery,Lithium,9V,Hi Performance	ENERGIZER	L522BP	Electronics, Appliances, and Batteries	49EV63	EA	1	22.24	0.19	13.07
489	2,000	Handle,60 in L,Threaded	MICHIGAN BRUSH	HND-25260	Cleaning	39AR57	EA	1	13.32	0.22	5.97
490	2,000	Elbow,90 Deg,Wrot Copper,3/4" Tube	NIBCO	607 3/4	Plumbing	5P053	EA	1	2.87	0.2	1.26
491	2,000	Combination Cartridge/Filter,Bayonet,PK2	3M	60926	Safety	4JG16	PK	2	52.46	0.19	27.31
492	2,000	Linear Fluorescent Bulb,24W,4100K	SYLVANIA	FP24/841/HO/ECO	Lighting	56GK35	EA	1	4.25	0.22	3.04
493	2,000	Beverage Cooler,Hard Sided,1.0 gal.	GATORADE	50423SM-23	Safety	3UZX4	EA	1	20.23	0.19	14.63
494	2,000	Cleaning Wipes,Citrus,9-1/2 x 12 In.	WYPALL	91371	Cleaning	4YCR4	EA	1	27.44	0.22	14.19
495	2,000	Disinfecting Wipes,75 ct,Canister,PK6	CLOROX	15949	Cleaning	22D015	PK	6	78.49	0.22	35.71
496	2,000	Contact Cleaner,Aerosol Can,13 oz.	CRC	02140	Cleaning	13P442	EA	1	48.05	0.22	19.94
497	2,000	Nitrile Gloves,XL,PK100	MECHANIX WEAR	D01-09-011-100	Safety	60NP59	PK	100	55.2	0.19	20.99
498	2,000	Battery,Alkaline,AAA,Premium,PK36	DURACELL	MN24P36	Electronics, Appliances, and Batteries	458J20	PK	36	53.73	0.19	20.25
499	2,000	Reciprocating Saw Blade,TPI 14,PK5	MILWAUKEE	48-00-5181	Power Tools	1BV12	PK	5	13.96	0.11	6.71
500	2,000	Evaporative Cooling Towel, Gray	CHILL-ITS BY ERGODYNE	6602	Safety	35YY79	EA	1	13.58	0.19	8.04
501	2,000	Elec Tape,66 ft Lx3/4 in W,7 mil,White	3M	10828	Adhesives, Sealants and Tape	2A228	EA	1	13.42	0.1	7.15
502	2,000	Storage Tote,Clear/White,Polypropylene	STERILITE	14928012	Material Handling	56JU36	EA	1	3.69	0.15	2.83
503	2,000	Container Dolly,250 lb.,Fits 55 gal.	RUBBERMAID COMMERCIAL PRODUCTS	FG264000BLA	Cleaning	5W007	EA	1	92.34	0.22	30.54
504	2,000	Toilet Paper Roll,750,White,19371,PK36	GEORGIA-PACIFIC	19371	Cleaning	3APV7	PK	36	159.54	0.22	67.36
505	2,000	Bungee Strap,Black,24" L,EPDM Rubber	KEEPER	06224	Material Handling	55JF78	EA	1	3.13	0.15	1.73
506	2,000	Sanitary Napkn Bags,10-1/4"x7-1/2",PK500	HOSPECO	KL	Cleaning	5FW85	PK	500	59.45	0.22	15.38
507	2,000	Chemical Resistant Glove,15 mil,Sz 10,PR	ALPHATEC	37-155	Safety	4T422	PR	1	3.68	0.19	2.13
508	2,000	Marking Paint,20 oz,Fluorescent Orange	RUST-OLEUM	264697	Paint, Equipment and Supplies	21CJ77	EA	1	11.01	0.12	3.85
509	2,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	SYLVANIA	22438	Lighting	60UA36	EA	1	5.04	0.22	3.53
510	2,000	Loose Wheel Nut Indicator,33mm,High Temp	CHECKPOINT	CPOHT33MM	Fleet and Vehicle Maintenance	38XK66	EA	1	1.29	0.08	0.84
511	2,000	Chemical Resistant Gloves,Nitrile,XL,PR	SHOWA	727-10	Safety	29UP91	PR	1	2.77	0.19	1.35
512	2,000	Marking Paint,20 oz,Brilliant White	KRYLON INDUSTRIAL	A03901004	Paint, Equipment and Supplies	38EL36	EA	1	11.58	0.12	3.76
513	2,000	LED,9 W,T13,4-Pin (G24q-3)	CURRENT	LED9G24Q-H/840	Lighting	460U56	EA	1	18.67	0.22	14.56
514	2,000	Waterproof Matches,PK40	MEDIQUE	78399	Furniture, Hospitality and Food Service	3WHL4	PK	40	1.59	0.05	1.03
515	2,000	Fluorescent,25 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/ADV841/XEW/ALTO 25 Watt	Lighting	492Y19	EA	1	9.01	0.22	2.85
516	2,000	Smoke Alarm,9V,Lithium,Ionization	FIRST ALERT	9120LBL	Safety	45TT73	EA	1	34.39	0.19	16.48
517	2,000	Linear FLUOR Bulb,T12,47-3/4"L,G13,6500K	CURRENT	F40DX/ECO	Lighting	6NB37	EA	1	4.95	0.22	1.9
518	2,000	Corr Shelf Bin,White,Cardboard,4 3/4 in	PACKAGING CORPORATION OF AMERICA	1W765	Material Handling	1W765	EA	1	0.99	0.15	0.71
519	2,000	Multiprpse Grse,RedGrease,Cartrdge,14oz	BLASTER	GR-14C-HTR	Lubrication	443V02	EA	1	9.77	0.1	5.51
520	2,000	Water Softener Salt, 50 lb, Bag, Pellets	DIAMOND CRYSTAL	6141550	Plumbing	42DA15	EA	1	26.74	0.2	11.08
521	2,000	Fuel Cylinder,Propane,14.1 oz	BERNZOMATIC	333670	Welding	5UX34	EA	1	13.92	0.1	7.56
522	2,000	Paper Towel Roll,700,Brown,89440,PK6	GEORGIA-PACIFIC	89440	Cleaning	5UWL7	PK	6	146.41	0.22	66.49
523	2,000	Fluorescent,17 W,T8,Medium Bi-Pin (G13)	PHILIPS	F17T8/TL841/ALTO 30PK	Lighting	492X76	EA	1	8.74	0.22	4.82
524	2,000	Coated Gloves,L,Black/Red,PR	HONEYWELL NORTH	NF11/9L	Safety	2WTN7	PR	1	6.03	0.19	2.57
525	2,000	Polyurethane Sealant,Gray,525	3M	525	Adhesives, Sealants and Tape	4YDF7	EA	1	15.43	0.1	9
526	2,000	Glass Cleaner,Jug,1 gal.	WINDEX	696503	Cleaning	3U560	EA	1	24.45	0.22	11.34
527	2,000	Safety Glasses,Indoor/Outdoor	KLEENGUARD	25685	Safety	2UYF7	EA	1	9.13	0.19	3.56
528	2,000	Toilet Bowl Cleaner,32 oz.,Floral,Green	DIVERSEY	04578	Cleaning	10A369	EA	1	6.44	0.22	3.03
529	2,000	Chemical Resistant Gloves,Nitrile,M,PR	SHOWA	727-08	Safety	29UP89	PR	1	2.77	0.19	1.35
530	2,000	Tie Down Strap,Ratchet,Poly,15 ft.	LIFT-ALL	6A103	Material Handling	6A265	EA	1	31.42	0.15	7.8
531	2,000	Conduit Fitting,Iron; Steel,Trd Sz 3/4in	RACO	3513RAC	Electrical	3LL06	EA	1	9.49	0.23	2.24
532	2,000	Terminal Block,30 A,26 AWG,10 AWG	SCHNEIDER ELECTRIC	NSYTRV42	Electrical	23NY09	EA	1	2.29	0.23	1.05
533	2,000	2-Cycle Engine Oil,Full Synthetic,2.6oz	MAG 1	MAG63119	Fleet and Vehicle Maintenance	43Y868	EA	1	1.64	0.08	1.07
534	2,000	13.25 oz.,Aerosol,Dry Lubricant	SPRAYON	S00211000	Lubrication	12R252	EA	1	15.39	0.1	6.17
535	2,000	Safety Glasses,Gray	PYRAMEX	SB8620DT	Safety	45CR29	EA	1	5.92	0.19	3.89
536	2,000	Plug-In CFL Bulb,42W,3200 lm,4100K	SYLVANIA	CF42DT/E/IN/841/ECO	Lighting	56GK72	EA	1	6.71	0.22	5.23
537	2,000	Graffiti Rem,Trigger Spray Btl,22 oz	KRUD KUTTER	GR226	Cleaning	784GJ7	EA	1	17.19	0.22	5.99
538	2,000	Disposable Gloves,Nitrile,L,PK100	MCR SAFETY	6016BL	Safety	415N02	PK	100	46.14	0.19	10.61
539	2,000	Marking Paint,20 oz,Safety Yellow	KRYLON INDUSTRIAL	A03823007	Paint, Equipment and Supplies	54TH53	EA	1	13.26	0.12	4.31
540	2,000	Depressed Center Whl,T27,6x0.045x7/8,AO	NORTON	66252842202	Abrasives	6PH22	EA	1	5.77	0.1	2.91
541	2,000	Incandescent Bulb,A15,300 lm,40W	SATCO	S3810	Lighting	451F91	EA	1	1.29	0.22	0.58
542	2,000	Paint Brush,4 in,Chip,China Hair,Soft	PREMIER	WV40	Paint, Equipment and Supplies	38M518	EA	1	3.82	0.12	2.91
543	2,000	Voltage Detector, CAT IV 1000V, No Disp	FLUKE	Fluke-1AC-A1-II	Test Instruments	2KU25	EA	1	46.23	0.07	35.69
544	2,000	Ztek, Clear Lens	PYRAMEX	S2510S	Safety	29XT84	EA	1	2.4	0.19	1.33
545	2,000	Safety Glasses,Clear	HONEYWELL UVEX	S3200HS	Safety	38TJ78	EA	1	18.64	0.19	8.22
546	2,000	US Flag,5x8 Ft,Nylon	NYLGLO	2150	Office Supplies	3JN78	EA	1	103.87	0.05	34.69

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
547	2,000	Sanitizer Wipes,Canister,6 x 8"	SCRUBS	90985	Cleaning	5MP31	EA	1	18.25	0.22	7.97
548	2,000	Sunscreen,Tottle Bottle,4.000 oz.	CORTEX	18-204	Safety	1PBT3	EA	1	12.24	0.19	4.72
549	2,000	Inside Cover,Zurn	ZURN	P6000-L	Plumbing	4HCX6	EA	1	4.85	0.2	3
550	2,000	Paper Towel Disp,(1) Roll,Black,54338A	GEORGIA-PACIFIC	54338A	Cleaning	4TE15	EA	1	67.49	0.22	29.27
551	2,000	Conduit Fitting,Iron; Steel,Trd Sz 3/4in	RACO	3403	Electrical	6X771	EA	1	7.11	0.23	2.5
552	2,000	Strt Bld Cnr,Blk; Wht,2P3W,Elstmr,5-20R	HUBBELL	HBL5369C	Electrical	4A256	EA	1	63	0.23	22.33
553	2,000	Beverage Jug,Plastic,White/Blue,0.5 gal	COLEMAN	2158639	Safety	790LN3	EA	1	15.69	0.19	4.5
554	2,000	Eye Wash Preservative,8 oz.	GUARDIAN EQUIPMENT	G1540BA	Safety	2LVL5	EA	1	20.62	0.19	10.18
555	2,000	Plug-In CFL Bulb,4100K,13W,17,000 hr	CURRENT	F13DBX/841/ECO/4P	Lighting	1PGW5	EA	1	12.48	0.22	5.21
556	2,000	Spray Paint,OSHA Safety Yellow,12 oz.	RUST-OLEUM	1644830	Paint, Equipment and Supplies	6KN97	EA	1	12.37	0.12	6.26
557	2,000	Disposable Gloves,Nitrile,M,PK50	MICROFLEX	N862	Safety	3NFC5	PK	50	17.71	0.19	9.15
558	2,000	Evaporative Cooling Towel,Lime	CHILL-ITS BY ERGODYNE	6602	Safety	35YY80	EA	1	13.58	0.19	7.59
559	2,000	Door Stop Wedge XL,Ylw,6-3/4" L,PK2	MASTER	GD005	Hardware	4JG44	PK	2	9.31	0.05	3.95
560	2,000	Sink Drain,5 in Dia,Brass	PERFECT PUTTY	59-3220	Plumbing	415F58	EA	1	24.88	0.2	19.9
561	2,000	Linear LED Bulb,T8,48" L,G13,4000K	CURRENT	LED18ET8/G/4/840	Lighting	48PX96	EA	1	19.72	0.22	9.94
562	2,000	Acrylic Latex Caulk,White,Kwik Seal	DAP	18001	Adhesives, Sealants and Tape	5E080	EA	1	4.99	0.1	2.29
563	2,000	Coated Gloves,Palm and Fingers,XL	HYFLEX	48-101	Safety	2RA98	PR	1	3.02	0.19	1.62
564	2,000	Glass Scraper,Stiff,1-1/2",Carbon Steel	STANLEY	28-500	Hand Tools	6R029	EA	1	5.4	0.14	1.89
565	2,000	Grab Bar,SS,Satin,12 in L	BRADLEY	8120-001120-GR	Plumbing	33MP33	EA	1	46.14	0.2	25.77
566	2,000	Metallic Conduit,Steel,Trd Sz 3/4in	ALLIED	583203	Electrical	6XC31	EA	1	20.99	0.23	8.48
567	2,000	Masking Tape,1 7/8" W,60 yd L,Blue	SHURTAPE	CP 27	Adhesives, Sealants and Tape	6FET7	EA	1	14.64	0.1	6.52
568	2,000	Rocker Wall Plate,Stnd;Wht,1Gng,Smth Stn	HUBBELL	P26W	Electrical	55KT13	EA	1	0.74	0.23	0.47
569	2,000	Disposable Gloves,Nitrile,2XL,PK100	MICROFLEX	LSE-104	Safety	464D75	PK	100	41.01	0.19	18.38
570	2,000	Conduit Clamp,Iron,Overall L 2.538in	RACO	1343	Electrical	206F74	EA	1	1.91	0.23	1.2
571	2,000	Conduit Clamp,Iron,Overall L 2.219in	RACO	1303	Electrical	206F15	EA	1	1.54	0.23	0.82
572	2,000	Coated Gloves,Black/Blue,L	SHOWA	380L-08	Safety	2AFD5	PR	1	6.71	0.19	3.34
573	2,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/ADV841 ALTO 30PK	Lighting	492X61	EA	1	9.14	0.22	3.52
574	2,000	Coupling,Steel,Overall L 1 59/64in	RACO	2023	Electrical	52AU59	EA	1	0.97	0.23	0.51
575	2,000	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL841 PLUS ALTO HV 30PK	Lighting	492X58	EA	1	8.21	0.22	5.33
576	2,000	Hard Hat,Type 1, Class E,Ratchet,Yellow	BULLARD	33YLR	Safety	9T775	EA	1	37.02	0.19	19.2
577	2,000	Disinfecting Wipes,160 ct,Canister	PDI	Q89072	Cleaning	9MCC1	EA	1	14.74	0.22	6.22
578	2,000	Body Wash/Sham Combo,GRN,Floral,PK2	OPS	1405-04G	Cleaning	36TY80	PK	2	115.16	0.22	46.87
579	2,000	Fluorescent,17 W,T8,Medium Bi-Pin (G13)	PHILIPS	F17T8/TL841/PLUS/ALTO	Lighting	492Y10	EA	1	6.87	0.22	3.99
580	2,000	Hang and Stack Bin,Blue,Plastic,5 in	AKRO-MILS	30230BLUE	Material Handling	2W778	EA	1	8.74	0.15	3.37
581	2,000	Cooling Hat,Lime,L/XL	CHILL-ITS BY ERGODYNE	8935CT	Safety	16V846	EA	1	23.22	0.19	13.93
582	2,000	Battery,D,Premium,1.5VDC,PK12	DURACELL PROCELL	PX1300	Electronics, Appliances, and Batteries	55EC95	PK	12	25.51	0.19	15.17
583	2,000	Spud Coupling Assembly,Sloan	SLOAN	F5AT	Plumbing	2XU28	EA	1	24.09	0.2	13.25
584	2,000	CFL,26 W,PL-C,4-Pin (G24q-3)	PHILIPS	PL-C 26W/41/4P/ALTO	Lighting	492Z19	EA	1	7.84	0.22	4.91
585	2,000	Reducing Washer,3/4" to 1/2" Conduit Sz	RACO	1365	Electrical	52AW36	EA	1	0.29	0.23	0.1
586	2,000	Duct Tape,Silver,1 7/8 in x 60 yd,10 mil	NASHUA	396	Adhesives, Sealants and Tape	5AD15	EA	1	11.05	0.1	3.71
587	2,000	Line Marking Paint,20 oz,Fluor. Orange	RUST-OLEUM	203027V	Paint, Equipment and Supplies	783AD2	EA	1	12.22	0.12	4.09
588	2,000	Coupling,Steel,Overall L 1 37/64in	RACO	2022	Electrical	52AU58	EA	1	0.6	0.23	0.33
589	2,000	Flapper,Fluidmaster	FLUIDMASTER	Pro 54	Plumbing	1APJ5	EA	1	6.31	0.2	3.68
590	2,000	Abrsv Cut-Off Wheel,T27,4-1/2in,7/8in	UNITED ABRASIVES-SAIT	22072	Abrasives	1AUC1	EA	1	5.23	0.1	2.61
591	2,000	Trigger Sprayer,24 oz; 32 oz,12 1/4"H	TOLCO	110550	Cleaning	1CH72	EA	1	3.43	0.22	1.67
592	2,000	Cut Resistant Gloves,Blue/Gray,M,PR	ACTIVARMR	80-100	Safety	4JY12	PR	1	5.09	0.19	3.31
593	2,000	Paint Brush,2",Chip,China Hair,1 1/2"L	WEILER	40181	Paint, Equipment and Supplies	36XE58	EA	1	1.13	0.12	0.74
594	2,000	Coated Glvs,Palm Finger,Blk/Gry,8,PR	HYFLEX	11-600	Safety	4JU92	PR	1	3.59	0.19	2.2
595	2,000	Safety Glasses,Smoke	RADIANS	MR0120ID	Safety	6XKD3	EA	1	1.88	0.19	1.18
596	2,000	Safety Glasses,Clear	MCR SAFETY	BK110AF	Safety	3NTZ3	EA	1	3.41	0.19	1.7
597	2,000	Elec Tape,60 ft Lx3/4 in W,13 mil,Black	3M	1755 3/4"X60'	Adhesives, Sealants and Tape	4YT85	EA	1	12.87	0.1	6.6
598	2,000	Fuse,Midget,10A,BAF Series	BUSSMANN	BAF-10	Electrical	6C170	EA	1	5.03	0.23	2.59
599	2,000	Pleated Air Filter	PURAFILTER	20252MV13	HVAC and Refrigeration	60YP46	EA	1	24.41	0.4	14.65
600	2,000	Disp Glv,Blk,Nitrile,Exam PF,XXL,PK100	MICROFLEX	MK-296	Safety	794H47	PK	100	21.27	0.19	15.51
601	2,000	11 wt oz.,Aerosol,Lubricant	CRC	03005	Lubrication	2F141	EA	1	12.75	0.1	6.07
602	2,000	MechConn,Copper,13/64 in,Slotted	BLACKBURN	L35	Electrical	3LR06	EA	1	3.49	0.23	1.42
603	2,000	Push-In Connector,Gray,0.81",400V	WAGO	222-412	Electrical	798HP0	EA	1	2.38	0.23	1.65
604	2,000	Knockout Plug,Conduit Size 3/4"	RACO	1043	Electrical	52AW72	EA	1	0.84	0.23	0.33
605	2,000	2-Cycle Engine Oil,Conventional,2.6 oz	MAG 1	MAG60179	Fleet and Vehicle Maintenance	20RW81	EA	1	1.25	0.08	0.79
606	2,000	Replacement Razor Blades,PK10	STANLEY	28-510	Hand Tools	6R030	PK	10	3.52	0.14	2.4
607	2,000	Door WedgeNo Slip,Gray,4-3/4 In.L,PK2	MASTER	GD002	Hardware	4JG43	PK	2	9.72	0.05	3.79
608	2,000	Wasp and Hornet Killer,18 oz.,Aerosol	SPECTRACIDE	HG-30110	Outdoor Equipment	48LR83	EA	1	14.33	0.12	5.67
609	2,000	Toilet Paper Roll,1500,White,19378,PK18	GEORGIA-PACIFIC	19378	Cleaning	1FC17	PK	18	122.99	0.22	55.28
610	2,000	Insect Repellent,Liquid Spray,4 oz.	REPEL	HG-94109	Outdoor Equipment	48WK08	EA	1	13.22	0.12	5.36
611	2,000	Hook-and-Loop Sanding Disc,5 in Dia	NORTON	66261183918	Abrasives	783RH1	EA	1	0.68	0.1	0.57
612	2,000	Graffiti Rem,Aero Spray Can,GoofOff,16oz	GOOF OFF	FG673	Cleaning	494K90	EA	1	21.06	0.22	14.79
613	2,000	Gasket,Zurn,Neoprene	ZURN	Z1200-NEOSEAL-GSKT-4	Plumbing	41H972	EA	1	83.26	0.2	12.26
614	2,000	TglSwchWllPlt,Stnd;Ivory,1Gng,Smth Stn	HUBBELL	P1I	Electrical	55KR92	EA	1	0.97	0.23	0.47
615	2,000	Linear LED Bulb,T5,46" L,G5,4000K	CURRENT	LED13ET5G4/840HE	Lighting	55GU25	EA	1	28.38	0.22	16.08
616	2,000	Battery,AA,Premium,1.5VDC,PK24	DURACELL PROCELL	PX1500	Electronics, Appliances, and Batteries	55EC97	PK	24	22.24	0.19	10.87
617	2,000	Linear LED Bulb,T8,24"L,2-Pin(G13),4000K	CURRENT	LED9BDT8/G2/840	Lighting	55GU02	EA	1	16.34	0.22	11.48
618	2,000	Through Type Insert,3/8 In	PARKER	63NTA-6	Plumbing	11K647	EA	1	0.93	0.2	0.36
619	2,000	Handheld Sprayer,Polyethylene,2 gal	CHAPIN	20002	Outdoor Equipment	6PKJ5	EA	1	43.39	0.12	18.76
620	2,000	Duct Tape,Black,27.4 m Tape L	GORILLA	105629	Adhesives, Sealants and Tape	787ER2	EA	1	17.92	0.1	15
621	2,000	Wax Ring,Universal Fit	HERCULES	90210	Plumbing	39AT78	EA	1	3.13	0.2	1.61
622	2,000	Hard Hat Sweatband,Tan,Terrycloth	MSA	10068890	Safety	4RB54	EA	1	4.97	0.19	2.57
623	2,000	Master Rebuild Kit,Toilets	SLOAN	R1003A	Plumbing	2VEE5	EA	1	48.25	0.2	18.34
624	2,000	Battery,Lithium,Size 123,3VDC	DURACELL	DL123ABPK	Electronics, Appliances, and Batteries	1ANB7	EA	1	10.85	0.19	4.38

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
625	2,000	Temporary Marking Paint,20 oz,Green,Can	KRYLON INDUSTRIAL	A03904004	Paint, Equipment and Supplies	38EL33	EA	1	11.58	0.12	3.76
626	2,000	Linear LED Bulb,T8,48"L,2-Pin(G13),4000K	CURRENT	LED14ET8/G4/840CT	Lighting	55GT92	EA	1	15.19	0.22	10.66
627	2,000	ProPress adapter, 3/4" x 3/4"	VIEGA PROPRESS	79230	Plumbing	5UMC0	EA	1	6.82	0.2	4.78
628	2,000	Line Marking Paint,20 oz,Safety Red	RUST-OLEUM	203029V	Paint, Equipment and Supplies	783AD4	EA	1	12.22	0.12	4.09
629	2,000	Elec Tape,66 ft Lx3/4 in W,7 mil,Red	3M	10810	Adhesives, Sealants and Tape	2A229	EA	1	13.42	0.1	7.15
630	2,000	Hand Sanitizer,Bottle,Gel	PURELL	3691-12	Cleaning	20W433	EA	1	12.78	0.22	5.27
631	2,000	Incandescent Bulb,A15,415 lm,40W	CURRENT	40A15 CD	Lighting	5V755	EA	1	2.4	0.22	0.88
632	2,000	Linear LED Bulb,T8,48" L,G13,5000K	CURRENT	LED18ET8/G/4/850	Lighting	48PX97	EA	1	22.29	0.22	10.78
633	2,000	RV/Marine Antifreeze,1 gal.	SPLASH	619526	Fleet and Vehicle Maintenance	2EXW9	EA	1	12.05	0.08	5.45
634	2,000	Disposable Gloves,Rubber Latex,M,PK50	MICROFLEX	SG-375-M	Safety	2TEL9	PK	50	29.81	0.19	14.34
635	2,000	Adhesive Bandages,Fabric,3"Lx1"W,PK16	FIRST AID ONLY	1-008	Safety	39N868	PK	16	2.33	0.19	1.51
636	2,000	Range Chrome Burner Bowl,8"	GE	WB31M15	Electronics, Appliances, and Batteries	58NN33	EA	1	10.03	0.19	7.31
637	2,000	Coated Gloves,Nylon,L,PR	MCR SAFETY	9666L	Safety	33M008	PR	1	2.29	0.19	1.51
638	2,000	Emrg Lght,Plst,Nick Cadm,1W,LED	COMPASS	CU2	Lighting	46T222	EA	1	58.66	0.22	22.25
639	2,000	Digital Thermometer,Oral,2-7/64 In. L	MABIS	15-691-000	Safety	4WPF1	EA	1	7.81	0.19	4.72
640	2,000	Conduit Clamp,Iron,Overall L 2.016in	RACO	1302	Electrical	206F14	EA	1	1.52	0.23	0.91
641	2,000	Elbow,90 deg.,Polyalloy,1/2" x 1/2" Tube	ZURN PEX	QQPE33X	Plumbing	10A549	EA	1	1.35	0.2	0.79
642	2,000	Wire Rope Oval Sleeve,5/32 In,122 Copper	LOOS	SL2-5	Material Handling	16X779	EA	1	1.01	0.15	0.77
643	2,000	Fem Disc,Tin,Brass,Nylon	3M	MNI14-250DFIK	Electrical	2JLD5	EA	1	0.76	0.23	0.53
644	2,000	Locknut,Steel,Overall L 1 25/64in	RACO	1003	Electrical	43GX17	EA	1	0.42	0.23	0.27
645	1,000	Safety Glasses,Clear	MCR SAFETY	KD110AF	Safety	3WMJ5	EA	1	5.39	0.19	3.02
646	1,000	Adapter,Wrot Copper,1/2" Tube,CxMNPT	NIBCO	604 1/2	Plumbing	1VLV5	EA	1	2.12	0.2	1.44
647	1,000	Coated Gloves,Nylon,XL,PR	MCR SAFETY	N9674XL	Safety	2ELL9	PR	1	6.97	0.19	2.84
648	1,000	ProPress coupling w/ stop, 3/4" x 3/4"	VIEGA PROPRESS	78052	Plumbing	1RPG1	EA	1	4.49	0.2	3.21
649	1,000	Coated Gloves,XL,Black/Red,PR	HONEYWELL NORTH	NF11/10XL	Safety	2WTN8	PR	1	6.03	0.19	2.57
650	1,000	Sanitizer Wipes,Box,5 x 8",1EA	PDI	D43600	Cleaning	9RAE2	EA	1	13.15	0.22	8.24
651	1,000	Connector,Steel,Overall L 1 13/32in	RACO	2002	Electrical	52AU49	EA	1	0.56	0.23	0.36
652	1,000	Safety Glasses,Clear	HONEYWELL UVEX	S4200	Safety	3NTY7	EA	1	11.04	0.19	4.69
653	1,000	Insect Repellent,Aerosol,6.5 oz.	REPEL	HG-33801	Outdoor Equipment	48WJ99	EA	1	13.05	0.12	4.88
654	1,000	Hand Soap,CLR,2,000 mL,,PK2	GOJO	5265-02	Cleaning	2RRD6	PK	2	112.21	0.22	40.21
655	1,000	U-Bend LED Bulb,T8,4000K,1900 lm,13W	CURRENT	LED13ET8/U6/840	Lighting	48UV48	EA	1	28.64	0.22	15.48
656	1,000	Fire Extinguisher,Aluminum,Red,ABC	KIDDE	PRO5MP	Safety	5T899	EA	1	91.61	0.19	40.9
657	1,000	G304 Goggles Pyramex	PYRAMEX	G304	Safety	29XT26	EA	1	6.92	0.19	3.82
658	1,000	Plug-In CFL Bulb,32W,2400 lm,4100K	SYLVANIA	CF32DT/E/IN/841/ECO	Lighting	56GK83	EA	1	6.71	0.22	5.23
659	1,000	Cold Patch,50 lb	PERMA-PATCH	PP-50-CP	Adhesives, Sealants and Tape	55EK37	EA	1	44.88	0.1	31.36
660	1,000	Thread Sealant Tape,1" W,White	ANTI-SEIZE TECHNOLOGY	26160	Adhesives, Sealants and Tape	34D503	EA	1	2.32	0.1	1.4
661	1,000	Linear LED Bulb,120 to 347VAC,13W	MAXLITE	L13T8DF450-CG5	Lighting	56LG04	EA	1	13.53	0.22	9.5
662	1,000	3 oz.,Aerosol,Lubricant	WD-40	490002	Lubrication	20JY59	EA	1	6.54	0.1	3.65
663	1,000	Ceiling Sealing Paint,13 Oz	ZINSSER	3688	Paint, Equipment and Supplies	4HFE7	EA	1	14.65	0.12	6.78
664	1,000	Lever Door Holder,Clear Aluminum	KABA ILCO	IL-KDDH-4-AL	Hardware	40JK99	EA	1	7.53	0.05	3.57
665	1,000	Windshield Washer,6 oz.,Plastic Bottle	GUNK	M506	Fleet and Vehicle Maintenance	54YK27	EA	1	3.18	0.08	2.09
666	1,000	Headlamp,Plastic,Red,300lm	ENERGIZER	HDBIN32EB	Lighting	40XA77	EA	1	29.37	0.22	12.07
667	1,000	Paper Towel Roll,1150,White,26490,PK6	GEORGIA-PACIFIC	26490	Cleaning	52RW77	PK	6	206.83	0.22	79.56
668	1,000	Linear FLUOR Bulb,T5,21-5/8" L,G5,3500K	CURRENT	F24W/T5/835/HO/ECO	Lighting	5AE25	EA	1	13.88	0.22	8.98
669	1,000	Combination Padlock,2 in,Round,Silver	MASTER LOCK	1500DWWG	Security	6X694	EA	1	13.31	0.15	6.89
670	1,000	Chemical Resistant Gloves,Black,Sz 10,PR	SHOWA	7712-10	Safety	3JRH5	PR	1	5.09	0.19	2.65
671	1,000	Prison Toiler Control Stops,Acorn	ACORN	2570-000-001	Plumbing	2EWA3	EA	1	177.07	0.2	77.08
672	1,000	Mechanics Gloves,Black,10,PR	MECHANIX WEAR	MG-05-010	Safety	2NPL2	PR	1	33.02	0.19	18
673	1,000	Combination Padlock,2 in,Round,Silver	MASTER LOCK	1525 Custom Key	Security	4T103	EA	1	12.52	0.15	8.44
674	1,000	Loose Absorbent,Bag,Size 1.5 cu. ft.	STARDUST	D15CF	Safety	491R33	EA	1	31.67	0.19	15.19
675	1,000	Disposable Gloves,Nitrile,2XL,PK100	MICROFLEX	N645	Safety	13G204	PK	100	17.84	0.19	12.5
676	1,000	Instant Cold Pack,White,4"Lx5"W,Plastic	FIRST AID ONLY	21-004	Safety	39P018	EA	1	2.63	0.19	1.66
677	1,000	Cleaner Cartridge,Sloan	SLOAN	WES150	Plumbing	4FB39	EA	1	87.34	0.2	50.53
678	1,000	Cut-Resistant Gloves,L/9,PR	ACTIVARMR	80-400	Safety	2RA88	PR	1	9.51	0.19	5.69
679	1,000	VF,Coated Glove,Blk/Gry,9,20KJ47,PR	HYFLEX	11-840VP	Safety	62HZ89	PR	1	6.95	0.19	3.45
680	1,000	Replacement Tube Cutting Wheel	RIDGID	E-3469	Hand Tools	4CW65	EA	1	8.88	0.14	4.73
681	1,000	Wax Ring,Universal Fit	HARVEY	004309	Plumbing	5PA59	EA	1	6.6	0.2	4.14
682	1,000	Duster,8 in W	UNGER	COBW0	Cleaning	6DTG5	EA	1	15.38	0.22	6.15
683	1,000	Cut-Off Wheel,13,300 rpm,4-1/2" dia.	DEWALT	DWA8062F	Abrasives	49ZZ79	EA	1	3.04	0.1	2.09
684	1,000	Acrylic Latex Caulk,White,Alex Painters	DAP	18670	Adhesives, Sealants and Tape	5E079	EA	1	3.99	0.1	2.01
685	1,000	Support Clip,Ivory,Steel,Clips	LEGRAND	V5703	Electrical	4YER9	EA	1	1.02	0.23	0.57
686	1,000	BlnkBxMntWllPlt,Stnd;Ivory,1Gng,Smth Stn	HUBBELL	P13I	Electrical	55KU05	EA	1	0.87	0.23	0.56
687	1,000	Disposable Respirator,Universal,N95,PK10	3M	8210V	Safety	14F203	PK	10	31.26	0.19	16.63
688	1,000	Tape Measure,1 In x 25 ft,Chrome,In/Ft	STANLEY	33-425	Hand Tools	6A498	EA	1	32.28	0.14	15.11
689	1,000	Snow Brush,Pivot Head,Alum,34 to 52 In	MALLORY	583-EP	Fleet and Vehicle Maintenance	1GLP9	EA	1	21.73	0.08	8.4
690	1,000	TriggerSprayBottle,24oz,10 5/8"H,Clr,PK3	IMPACT	5024HG/4806-91	Cleaning	30GE90	PK	3	10.87	0.22	4.13
691	1,000	Vehicle Inspection Form,2 Ply,Carbonless	JJ KELLER	1854	Fleet and Vehicle Maintenance	38D297	EA	1	7.24	0.08	3.95
692	1,000	Keyed Padlock, 13/16 in,Rectangle,Silver	MASTER LOCK	500KABRKLH	Security	4DJR4	EA	1	14.4	0.15	7.61
693	1,000	Mold-Resistant Coating,White,5 gal,Pail	FIBERLOCK TECHNOLOGIES	8360-5	Paint, Equipment and Supplies	8CKV2	EA	1	639.28	0.12	251.07
694	1,000	Exam Glove,Nitrile,Size M ,PK100	MICROFLEX	92-134	Safety	793JR3	PK	100	12.38	0.19	8.2
695	1,000	Cut-Off Wheel,13,300 rpm,7/8" Arbor Hole	DEWALT	DWA8424F	Abrasives	49ZZ80	EA	1	3.48	0.1	2.26
696	1,000	Weatherproof Cover,Metallic	BELL	5173-0	Electrical	2V706	EA	1	1.74	0.23	0.89
697	1,000	Cable Conduit Clip Hanger,Steel	NVENT CADDY	KX	Electrical	2KWU2	EA	1	1.43	0.23	0.53
698	1,000	Compressor Oil Coolant, 1 L, Bottle	INGERSOLL RAND	38440228	Pneumatics	2YY83	EA	1	40.59	0.11	16.97
699	1,000	Linear FLUOR Bulb,T8,47-3/4"L,G13,5000K	CURRENT	F32T8/XL/SPX50/HL/ECO	Lighting	4ZY40	EA	1	7.97	0.22	3.31
700	1,000	Combination Padlock,1 1/2in,Rectgle,Gold	MASTER LOCK	175LH	Security	1U173	EA	1	35.03	0.15	17.78
701	1,000	BlnkBxMntWllPlt,Stnd;Wht,1Gng,Smth Stn	HUBBELL	P13W	Electrical	55KU06	EA	1	1.21	0.23	0.56
702	1,000	Water Softener Salt, 50 lb, Cubes	DIAMOND CRYSTAL	100012455	Plumbing	52ZX55	EA	1	25.04	0.2	13.53

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
703	1,000	Cut-Resistant Gloves,L/9,PR	HYFLEX	11-939	Safety	54EL02	PR	1	25.42	0.19	11.07
704	1,000	CutOff Wheel,Rightcut,4-1/2"x.040"x7/8"	NORTON	07660701617	Abrasives	25TY43	EA	1	3.32	0.1	1.84
705	1,000	Wastebasket,Rectangular,7 gal.,Black	RUBBERMAID COMMERCIAL PRODUCTS	FG295600BLA	Cleaning	5W001	EA	1	17.02	0.22	6.41
706	1,000	Split Key Ring,1-1/2 in.,Tempered Steel	HY-KO PRODUCTS	KB109	Security	36DZ32	EA	1	1.39	0.15	0.89
707	1,000	Slide Latch,Zinc,Bright	ASI GLOBAL PARTITIONS	40-8562899	Plumbing	3PEN4	EA	1	16.13	0.2	8.8
708	1,000	Air Freshener,Card w/ String,Black,PK3	LITTLE TREES	U3S-32055	Fleet and Vehicle Maintenance	52HF68	PK	3	6.18	0.08	2.68
709	1,000	In-Line Fuse Kit	CURRENT	BT8-1AFUSEKIT	Lighting	494G97	EA	1	5.62	0.22	4.02
710	1,000	Coated Gloves,Palm and Fingers,L	HYFLEX	48-101	Safety	2RA97	PR	1	3.02	0.19	1.62
711	1,000	Conduit Clamp,Iron,Overall L 2.297in	RACO	1342	Electrical	206F34	EA	1	1.89	0.23	1.2
712	1,000	Connector,Steel,Overall L 1 7/16in	RACO	2122	Electrical	43GX31	EA	1	1.12	0.23	0.51
713	900	Toilet Paper Roll,450,White,16880,PK80	GEORGIA-PACIFIC	16880	Cleaning	10F284	PK	80	174.98	0.22	82.56
714	900	110 W,T12,Recessed Double Contact (R17d)	PHILIPS	TL F96T12/CW/HO-O ALTO 110W FLUOR. LAMP	Lighting	492Y03	EA	1	13.34	0.22	9.35
715	900	Disposable Gloves,Nitrile,XL,PK100	MCR SAFETY	6016BXL	Safety	415N03	PK	100	46.14	0.19	18.87
716	900	Disposable Gloves,Rubber Latex,XL,PK50	MCR SAFETY	5049XL	Safety	392D16	PK	50	30.36	0.19	18.22
717	900	Personal Eye Wash Bottle,4 oz.	HONEYWELL	32-000452-0000	Safety	3PVT4	EA	1	7.97	0.19	3.62
718	900	Single-Lever Cartridge,Moen,Brass	KISSLER	46-0012	Plumbing	2FGR7	EA	1	13.31	0.2	9.58
719	900	Tee,Wrot Copper,1/2" Tube,CxCxC	NIBCO	611 1/2	Plumbing	5P098	EA	1	1.97	0.2	1.26
720	900	Bushing,Steel,Overall L 0.563in	RACO	1142	Electrical	52AW35	EA	1	1.89	0.23	0.73
721	900	Tailpiece, 12 In L,1 1/4 In Pipe Dia	ZURN	Z8966-12-PC	Plumbing	4WDH3	EA	1	24.83	0.2	13.25
722	900	Engine Oil,30,Conventional,1qt	VALVOLINE	FR1210H/822382	Fleet and Vehicle Maintenance	1UBY5	EA	1	9.37	0.08	5.73
723	900	Bushing,Plastic,Overall L 13/32in	RACO	1403	Electrical	52AU53	EA	1	0.46	0.23	0.18
724	900	Single Point Hook,Molded Plastic,7/8 In	COMMAND	17003	Hardware	5MVJ8	EA	1	6.88	0.05	3.45
725	900	Actuator Assembly,Sloan	SLOAN	EL128A	Plumbing	2XU56	EA	1	46.37	0.2	25.68
726	900	Windshield Wash Cleaner,1 Gal,32 F	SPLASH	235826	Fleet and Vehicle Maintenance	2EXW7	EA	1	3.95	0.08	2.47
727	900	Mobilux EP 2,EP Grease,Cartridge,14 oz	MOBIL	122136	Lubrication	2RV31	EA	1	11.46	0.1	4.86
728	900	Gen Purpose Gloves,Black/Blue,10	HYFLEX	11-618	Safety	36H146	PR	1	5.43	0.19	2.83
729	900	Half Mask Respirator,Elastomer,Gray	3M	6300	Safety	6AP71	EA	1	25.23	0.19	13.65
730	900	Disposable Gloves,Nitrile,XL,PK50	MICROFLEX	SEC-375-XL	Safety	3RRK7	PK	50	20.98	0.19	12.47
731	900	Utility Knife,6-3/8 In.,Gray	STANLEY	10-499	Hand Tools	5C944	EA	1	9.34	0.14	3.88
732	900	Push Button Assembly,Sloan	SLOAN	C70A	Plumbing	3EPU9	EA	1	12.41	0.2	7.84
733	900	Coated Gloves,Nylon,L,PR	MCR SAFETY	96731HVL	Safety	48GJ59	PR	1	3.67	0.19	2.12
734	900	Hard Hat,Type 1, Class E,Ratchet,White	MSA	475358	Safety	4LN95	EA	1	27.92	0.19	13.18
735	900	LED,12 W,T8,Medium Bi-Pin (G13)	PHILIPS	2T8/COR/48-850/MF18/G 10/1	Lighting	60WT54	EA	1	15.51	0.22	4.7
736	900	Disposable Gloves,Nitrile,2XL,PK50	MICROFLEX	N865	Safety	3NFC8	PK	50	17.71	0.19	10.78
737	900	LED,5 W,Tube,2-Pin (GX23)	PHILIPS	5PL-S/LED/13H/840/IF5/P/2P 20/1	Lighting	494C80	EA	1	10.36	0.22	6.59
738	900	Safety Glasses,Smoke	RADIANS	MR0121ID	Safety	6XKD4	EA	1	2.53	0.19	1.69
739	900	Air Cleaner Filter,HEPA,17x13x2"	FELLOWES	9287201	HVAC and Refrigeration	459V97	EA	1	89.61	0.4	50.93
740	900	Battery,Alkaline,D,Premium,PK12	DURACELL	MN1300	Electronics, Appliances, and Batteries	21EK77	PK	12	33.81	0.19	22.37
741	900	Razor Blade,1-1/2" W, PK100	STANLEY	11-515	Hand Tools	4A807	PK	100	10.67	0.14	2.36
742	900	Gasket,American Standard	AMERICAN STANDARD	034638-0070A	Plumbing	3KTE1	EA	1	7.8	0.2	4.54
743	900	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	N483	Safety	4GXL9	PK	100	28.74	0.19	18.41
744	900	Insect Repellent,Clean Feel Spritz	OFF	629380	Outdoor Equipment	2CYD9	EA	1	15.29	0.12	7.72
745	900	Graffiti&Sp Paint Rem,Aero Sp Can,17.5oz	ITW DYMON	7820	Cleaning	6UAX9	EA	1	16.95	0.22	6.72
746	900	Linear LED Bulb,T8,48"L,2-Pin(G13),4000K	CURRENT	LED11BDT8/G4/840	Lighting	55XC97	EA	1	13.18	0.22	9.25
747	900	Coin Battery,Lithium,3VDC,1632	ENERGIZER	ECR1632BP	Electronics, Appliances, and Batteries	45EK26	EA	1	4.88	0.19	2.78
748	900	Exit Door Alarm,Annunciation,95 to 105dB	SAFETY TECHNOLOGY INTERNATIONAL	STI-6400	Security	1DPE1	EA	1	124.81	0.15	66.29
749	900	Master Rebuild Kit,Toilets	SLOAN	R1004A	Plumbing	2VEE6	EA	1	44.38	0.2	31.95
750	900	Plug-In CFL Bulb,26W,1710 lm,3500K	SYLVANIA	CF26DD/835/ECO	Lighting	56GK49	EA	1	4.77	0.22	3.72
751	900	Cartridge,Black,Bayonet,PK2	3M	6001	Safety	6AM37	PK	2	25.42	0.19	13.02
752	900	Edger Blade, 7 3/4 In.	STENS	375661	Outdoor Equipment	11T616	EA	1	6.81	0.12	5
753	900	Conduit Access Cover,Steel	HUBBELL KILLARK	270	Electrical	2MY57	EA	1	8.95	0.23	3.33
754	900	ProPress adapter, 1/2" x 1/2"	VIEGA PROPRESS	79215	Plumbing	5UMA7	EA	1	4.03	0.2	2.7
755	900	Neck Shade,Nylon,Yellow/Green	MSA	10098032	Safety	5KAX6	EA	1	19.53	0.19	9.19
756	900	Plug-In CFL Bulb,4100K,26W,10,000 hr	CURRENT	F26DBX/841/ECO	Lighting	1PGY3	EA	1	10.34	0.22	5
757	900	Starting Fluid,Aerosol,11 Oz.	PYROIL	PYSFR11	Fleet and Vehicle Maintenance	21A070	EA	1	6.79	0.08	3.6
758	900	Circuit Breaker Lockout,Red,Steel	MASTER LOCK	493B	Safety	1TDB2	EA	1	12.53	0.19	4.98
759	900	Tgl Swch Wll Plt,Stnd;Wht,1Gng,Smth Stn	HUBBELL	P1W	Electrical	55KR94	EA	1	0.97	0.23	0.47
760	900	Actuator Assembly,Sloan	SLOAN	Hy83A	Plumbing	2VEE8	EA	1	43.74	0.2	26.96
761	900	Evaporative Cooling Towel,Orange	CHILL-ITS BY ERGODYNE	6602	Safety	35YY81	EA	1	13.58	0.19	8.1
762	900	Electric Motor Oil,20 SAE Grade,3oz	3-IN-ONE	10045	Fleet and Vehicle Maintenance	3UM48	EA	1	4.66	0.08	3.8
763	900	Linear Fluorescent Bulb,28W,3000K	SYLVANIA	FO28/830/XP/SS/ECO3	Lighting	56GK36	EA	1	4.37	0.22	3.41
764	900	Bungee Cord,Multicolored,24" L,5/16" W	KEEPER	06025	Material Handling	55JF75	EA	1	2.56	0.15	1.62
765	900	Battery,Alkaline,C,Premium,PK12	DURACELL	MN1400	Electronics, Appliances, and Batteries	21EK78	PK	12	33.87	0.19	16.63
766	900	Cut Resist Gloves,Light Gray,10	HYFLEX	11-644	Safety	24L256	PR	1	14.23	0.19	7.74
767	900	Paint Brush,2",Chip,China Hair,1 11/16"L	WOOSTER	W1147-2	Paint, Equipment and Supplies	38UX48	EA	1	1.51	0.12	0.86
768	900	Lumber Crayon, Yellow, 1/2" Size, PK12	MARKAL	80351	Hand Tools	5W542	PK	12	18.55	0.14	10.74
769	900	1/4-Turn Stop,Straight,3/8 Inx3/8 In	KISSLER	88-9000	Plumbing	4EET9	EA	1	8.41	0.2	6.73
770	900	Facial Tissue,100,White,47410,PK30	GEORGIA-PACIFIC	47410	Cleaning	2U250	PK	30	68.52	0.22	41.11
771	900	White Lithium Grease,Aerosol Can,10 oz	CRC	03080	Lubrication	4ZF09	EA	1	21.79	0.1	9.83
772	900	Ext Sgn,Plst,Wht,11 39/64in,1.5W	COMPASS	CER	Lighting	32WU24	EA	1	49.43	0.22	23.2
773	900	CutOff Wheel,NorZon Plus,4"x.035"x3/8"	NORTON	66243510675	Abrasives	3WL24	EA	1	11.97	0.1	6.36
774	900	Coil Cleaner,Aerosol,20 oz.,White	SIMPLE GREEN	0110001213418	HVAC and Refrigeration	19ZN60	EA	1	12.56	0.17	6.37
775	900	Combination Cartridge/Filter,Threaded,PR	HONEYWELL NORTH	75SCP100L	Safety	16M236	PR	1	39.69	0.19	20.72
776	900	Linear LED Bulb,T8,48"L,2-Pin(G13),5000K	CURRENT	LED11BDT8/G4/850	Lighting	55XC98	EA	1	14.11	0.22	9.91
777	900	Desk Recycling Container,Blue,7 gal.	RUBBERMAID COMMERCIAL PRODUCTS	FG295673BLUE	Cleaning	5M785	EA	1	17.52	0.22	7.05
778	900	Heavy Duty Degreaser,Unscented,20 oz	CRC	03985	Cleaning	32UN66	EA	1	19.81	0.22	10.49
779	900	Spray Paint,Safety Red,15 oz.	RUST-OLEUM	V2163838	Paint, Equipment and Supplies	5H900	EA	1	17.06	0.12	7.4
780	900	Spray Bottle,32 oz,Clear,Plastic	3M	37716	Cleaning	2CTG9	EA	1	9.13	0.22	3.77

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
781	900	Chemical Resistant Glove,13 mil,Sz 8,PR	ALPHATEC	88-390	Safety	2WLF4	PR	1	1.65	0.19	1.11
782	900	Surgical Mask 4PLY Level 3,PK50	ALTOR SAFETY	62232	Safety	785EJ1	PK	50	17	0.19	12.39
783	900	Double Sided Tape,1 11/16 yd L,1" W	GORILLA	6065001	Adhesives, Sealants and Tape	45DV48	EA	1	13.89	0.1	4.96
784	900	Paint Roller Frame,9" Roll L,13.5" L,Blk	WOOSTER	F0010-9	Paint, Equipment and Supplies	38UY18	EA	1	3.55	0.12	1.86
785	900	ConstructionAdhesive,10.3fl oz,Cartridge	DAP	27501	Adhesives, Sealants and Tape	2PE34	EA	1	5.93	0.1	2.31
786	900	Hang and Stack Bin,Blue,Plastic,7 in	AKRO-MILS	30240BLUE	Material Handling	2W779	EA	1	18.66	0.15	6.44
787	900	Tongue and Groove Plier,10" L	CHANNELLOCK	430	Hand Tools	4CR40	EA	1	24.55	0.14	13.28
788	900	LED,8.5 W,A19,Medium Screw (E26)	SYLVANIA	73885	Lighting	60UA12	EA	1	5.22	0.22	3.66
789	900	Disposable Respirator,Universal,N95,PK10	3M	8511	Safety	4JF99	PK	10	38.86	0.19	22.05
790	900	LED,14.5 W,T8,Medium Bi-Pin (G13)	PHILIPS	14.5T8/COR/48-840/MF21/G/DIM 25/1	Lighting	60WT57	EA	1	18.18	0.22	4.7
791	900	Linear LED Bulb,T8,23-3/4" L,G13,5000K	PHILIPS	7T8/MAS/24-850/IF11/P/DIM 10/1	Lighting	52ZX62	EA	1	17.51	0.22	7.03
792	900	Disposable Gloves,Nitrile,L,PK100	SHOWA	6112PFL	Safety	160F60	PK	100	18.72	0.19	8.54
793	900	10 wt oz.,Aerosol,Dry Lubricant	CRC	03040	Lubrication	3EED7	EA	1	16.48	0.1	6.92
794	900	Snap Hook,3 5/8 in,Brass,Gold	ANNIN FLAGMAKERS	802710	Office Supplies	5JFC7	EA	1	7.07	0.05	3.82
795	900	Linear Fluorescent Bulb,15W,825 lm,4200K	SYLVANIA	F15T8/CW	Lighting	56GJ81	EA	1	4.25	0.22	3.06
796	900	LED,10 W,PL Horizontal,4-Pin (GX24q)	LIGHT EFFICIENT DESIGN	LED-7320-40K-G3	Lighting	305X73	EA	1	21.13	0.22	12.13
797	900	Marking Paint,20 oz,Fluorescent Green	RUST-OLEUM	264700	Paint, Equipment and Supplies	21CJ75	EA	1	11.01	0.12	3.85
798	900	Cut-Resistant Gloves,XL/10,PR	ACTIVARMR	80-400	Safety	2RA89	PR	1	9.51	0.19	5.69
799	900	Bungee Strap,Black,18" L	THE BETTER BUNGEE	BBS18GBK	Material Handling	46CA27	EA	1	8.14	0.15	4.33
800	900	Plug-In Utility Pump, 1/6 HP, 115VAC	LITTLE GIANT	505902	Pumps	2P352	EA	1	141.2	0.07	60.64
801	900	Linear FLUOR Bulb,T8,35-3/4" L,G13,3500K	CURRENT	F25T8/SP35/ECO	Lighting	6XV04	EA	1	7.29	0.22	2.82
802	900	VF,Coated Glove,Blk/Gr,10,20KJ48,PR	HYFLEX	11-840VP	Safety	62HZ90	PR	1	6.95	0.19	4.18
803	900	O-Ring,Sloan,PK24	SLOAN	H553A	Plumbing	2XU34	PK	24	56.93	0.2	24.35
804	900	Disposable Gloves,Nitrile,M,PK50	MICROFLEX	SEC-375-M	Safety	3RRK5	PK	50	20.98	0.19	12.47
805	900	Narrow Staples,HD,27/64x3/8,PK1000	STANLEY	TRA706T	Fasteners	1XHT6	PK	1000	3.27	0.32	2.13
806	900	Mop Pad,Blue,Microfiber	RUBBERMAID COMMERCIAL PRODUCTS	FGQ41000BL00	Cleaning	3CCW8	EA	1	25.54	0.22	8.38
807	900	Utility Container,32 gal.,Gray	RUBBERMAID COMMERCIAL PRODUCTS	FG263200GRAY	Cleaning	35ZU66	EA	1	73.34	0.22	30.7
808	900	Long Handled Dust Pan with Wheels,Black	RUBBERMAID COMMERCIAL PRODUCTS	FG253104BLA	Cleaning	4YJ48	EA	1	44.74	0.22	14.09
809	900	Coated Gloves,Blue/Gray,M,PR	SHOWA	300M-08	Safety	4JF57	PR	1	4.78	0.19	1.99
810	900	LED,14.5 W,T8,Medium Bi-Pin (G13)	PHILIPS	14.5T8/COR/48-835/MF20/G 10/1	Lighting	60WT56	EA	1	13.81	0.22	4.7
811	900	Hook-and-Loop Sanding Disc,5 in Dia	3M CUBITRON II	7100113110	Abrasives	448F44	EA	1	4.81	0.1	4.02
812	800	Marking Paint,20 oz,Fluorescent Pink	RUST-OLEUM	264702	Paint, Equipment and Supplies	21CJ76	EA	1	11.01	0.12	3.85
813	800	Plug-In CFL Bulb,3500K,18W,17,000 hr	CURRENT	F18DBX/835/ECO4P	Lighting	1PGX3	EA	1	12.56	0.22	6.08
814	800	Rocker Wall Plate,Stnd;Silver,1Gng,Brsh	HUBBELL	SS26	Electrical	5C235	EA	1	4.21	0.23	1.18
815	800	Plug-In CFL Bulb,2700K,13W,10,000 hr	CURRENT	F13BX/827/ECO	Lighting	1PGU8	EA	1	4.92	0.22	2.1
816	800	Coated Gloves,Nylon,XL,PR	MCR SAFETY	N96790XL	Safety	40P597	PR	1	6.47	0.19	2.81
817	800	Disposable Hood,Natural,Universal	DEROYAL	SPRAYSOCK	Safety	6LGK5	EA	1	1.12	0.19	0.67
818	800	Safety Glasses,Gray	MCR SAFETY	BK112AF	Safety	3NTZ5	EA	1	3.41	0.19	2.22
819	800	Neutral Floor Cleaner,Liquid,1 gal,Jug	DIVERSEY	903904	Cleaning	10F941	EA	1	24.11	0.22	9.63
820	800	Thread Sealant Tape,1/2" W,Blue	BLUE MONSTER	70885	Adhesives, Sealants and Tape	216FM1	EA	1	6.73	0.1	5.63
821	800	Bandage,Beige,Plastic,PK16	FIRST AID ONLY	1-002	Safety	39N858	PK	16	1.65	0.19	1.04
822	800	Wet Mop,Blue,Cotton/Synthetic	RUBBERMAID COMMERCIAL PRODUCTS	FGD21206BL00	Cleaning	9ACA9	EA	1	16.98	0.22	10.76
823	800	Push-In Connector,Orange,0.73",600V	WAGO	221-413	Electrical	798HN3	EA	1	2.38	0.23	1.65
824	800	Quartz MH Bulb,ED28,E39,13,600 lm,175W	CURRENT	MVR175/U	Lighting	4V550	EA	1	32.76	0.22	14.14
825	800	Bungee Strap,Black,35" L,EPDM Rubber	KEEPER	06235	Material Handling	55JF79	EA	1	3.84	0.15	2.38
826	800	Tgl Switch Wll Plt,Stnd;Silver,1Gng,Brsh	HUBBELL	SS1	Electrical	5Z994	EA	1	3.95	0.23	1.29
827	800	Corr Shelf Bin,White,Cardboard,4 3/4 in	PACKAGING CORPORATION OF AMERICA	1W768	Material Handling	1W768	EA	1	1.4	0.15	1.02
828	800	Plumbers Putty,14 oz,Tan	ANTI-SEIZE TECHNOLOGY	25201	Adhesives, Sealants and Tape	4UJ96	EA	1	3.07	0.1	1.94
829	800	Smoke Alarm,9V,Alkaline,Ionization	KIDDE	i12060	Safety	1XTG7	EA	1	26.32	0.19	13.57
830	800	Plug-In CFL Bulb,13W,900 lm,3500K	SYLVANIA	CF13DD/E/835/ECO	Lighting	56GK58	EA	1	5.63	0.22	3.71
831	800	Muriatic Acid,1 gal Bottle, Solvent Base	SUNNYSIDE	710G1	Paint, Equipment and Supplies	44ZU25	EA	1	15.89	0.12	9.9
832	800	Dry Erase Board Cleaner,22 oz	EXPO	1752229	Office Supplies	4AZJ6	EA	1	17.06	0.05	10.01
833	800	Elect Parts Clnr,Aero Spray Can,19oz,Liq	CRC	02180	Cleaning	4YPJ5	EA	1	19.35	0.22	7.26
834	800	Vehicle Inspection Form,2 Ply,W/Carbon	JJ KELLER	685	Fleet and Vehicle Maintenance	38D295	EA	1	5.43	0.08	3.53
835	800	Quartz MH Bulb,ED28,E39,20,800 lm,250W	CURRENT	MVR250/U	Lighting	2V712	EA	1	29.21	0.22	15.23
836	800	Tile and Grout Brush,2 1/2 in Brush L	SUPERIOR TILE CUTTER INC. AND TOOLS	ST171	Cleaning	35EN03	EA	1	3.83	0.22	2.35
837	800	Safety Glasses,Smoke	RADIANS	RS1-20	Safety	6XKF4	EA	1	3.02	0.19	1.94
838	800	Door Stop,Wall Mount,SS,Silver	ROCKWOOD	409 US32D	Hardware	457D36	EA	1	4.75	0.05	2.83
839	800	Vacuum Bag For Backpack Vac,PK10	PROTEAM	107313	Cleaning	38EW27	PK	10	30.48	0.22	18.9
840	800	Twist On Wire Connector,300 V,PK100	IDEAL	30-072	Electrical	6YH35	PK	100	14.65	0.23	4.95
841	800	Toilet Seat,Elongated Bowl,Open Front	BEMIS	1955CT-047	Plumbing	2P889	EA	1	30.28	0.2	19.68
842	800	Marking Paint,Nt Wgt 17 oz,High Vblty Yl	KRYLON INDUSTRIAL	A03821007	Paint, Equipment and Supplies	54TH52	EA	1	13.26	0.12	4.31
843	800	Microfiber Cloth,12" x 16",Assorted,PK3	CARRAND	40061	Cleaning	39R422	PK	3	10.8	0.22	7.27
844	800	Safety Glasses,Clear,Uncoated	XENON	SG-14C	Safety	13D087	EA	1	3.53	0.19	2.57
845	800	Utility Knife,6 In.,Black/Yellow	STANLEY	10-143P	Hand Tools	1UK26	EA	1	2.8	0.14	1.69
846	800	ProPress 90 elbow, 1" x 1"	VIEGA PROPRESS	77027	Plumbing	48RH54	EA	1	11.6	0.2	7.49
847	800	Fixed Showerhead,Bulb,1.5 gpm	ZURN	Z7000-S9	Plumbing	6RKH2	EA	1	31.51	0.2	13.39
848	800	Disposable Gloves,Nitrile,S,PK100	TOUCHNTUFF	92-675	Safety	1RL56	PK	100	22.48	0.19	10.71
849	800	Duct Tape,Silver,2 13/16inx60yd,10 mil	NASHUA	396	Adhesives, Sealants and Tape	15R454	EA	1	11.05	0.1	9.95
850	800	MaxiFlex Seamless Knits,ATG,XL,PK12	PIP	34-844/XL	Safety	581R59	PK	12	101.91	0.19	50.57
851	800	Mop Pad,Blue,Microfiber	RUBBERMAID COMMERCIAL PRODUCTS	FGQ41600BL00	Cleaning	3CCX3	EA	1	38.68	0.22	19.99
852	800	Wet Mop,White,Cotton	RUBBERMAID COMMERCIAL PRODUCTS	FGF11800WH00	Cleaning	5M973	EA	1	16.11	0.22	6.52
853	800	Jobber Drill,1/4",Cobalt	CHICAGO-LATROBE	46616	Machining	1G881	EA	1	7.8	0.07	4.39
854	800	Roller Cover,9"L,3/8"Nap,Polyester,PK2	PREMIER	9-TP	Paint, Equipment and Supplies	1UFL9	PK	2	4.91	0.12	1.93
855	800	Paper Towel Roll,Continuous,Wt,89420,PK6	GEORGIA-PACIFIC	89420	Cleaning	3ZJD1	PK	6	167.18	0.22	77.38
856	800	Diaphragm Assembly	ACORN	2563-022-000	Plumbing	2EVY5	EA	1	11.08	0.2	6.08
857	800	Carbide Tipped Holesaw,3/8" Hex,7/8"	MORSE	MHSTK14	Power Tools	797RJ9	EA	1	9.79	0.11	7.84
858	800	Disposable Gloves,Nitrile,M,PK100	MICROFLEX	BD-1002-NPF-M	Safety	35T201	PK	100	16.58	0.19	12.22

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
859	800	Brake Parts Cleaner,20 oz. Size	CRC	05151	Fleet and Vehicle Maintenance	19MX51	EA	1	10.06	0.08	5.94
860	800	Dry Wipe,9-1/4"x16-1/2",Wt,29050/03,PK5	GEORGIA-PACIFIC	29050/03	Cleaning	6YE63	PK	5	106.01	0.22	56.69
861	800	Slotted Screwdriver, 3/8 in	STANLEY	66-168-A	Hand Tools	53JT06	EA	1	11.52	0.14	6.84
862	800	All Purpose Cleaner,144 oz,Bottle,PK3	PINE-SOL	35419	Cleaning	22D032	PK	3	87.53	0.22	34.35
863	800	Double Hinge Hasp,Steel,7 3/4"	MASTER LOCK	722DPFHCWWG	Hardware	788UV1	EA	1	15.42	0.05	13.18
864	800	Hybrid Sealant,Clear,SB-190	SUREBOND	SB-190	Adhesives, Sealants and Tape	3RCY6	EA	1	18.28	0.1	6.97
865	800	Angle,Decking Support,Gray,Metal	TENNSCO	BPS-36	Material Handling	32ZT92	EA	1	9.76	0.15	5.21
866	800	Hand Sanitizer Wipes,Soft Pack,8" x 8"	FIRST VOICE	MSC095105	Cleaning	4EJX3	EA	1	4.09	0.22	2.8
867	800	Hard Hat,Type 1, Class E,Ratchet,White	BULLARD	33WHR	Safety	8NJJ7	EA	1	38.02	0.19	19.23
868	800	Disposable Gloves,Nitrile,XL,PK100	MICROFLEX	N484	Safety	4GXN1	PK	100	28.74	0.19	18.41
869	800	Toilet Paper Roll,550,Wt,18280/01,PK80	GEORGIA-PACIFIC	18280/01	Cleaning	2TRN8	PK	80	137.55	0.22	66.5
870	800	Rubber Boot,Men's,10,Knee,Black,PR	HONEYWELL SERVUS	18821/10	Safety	3JZR3	PR	1	31.76	0.19	17.54
871	800	Disposable Gloves,Nitrile,L,PK100	TOUCHNTUFF	92-575	Safety	1RL62	PK	100	26.63	0.19	11.65
872	800	Spray Paint,Safety Blue,15 oz.	RUST-OLEUM	V2124838	Paint, Equipment and Supplies	5H896	EA	1	17.28	0.12	7.5
873	800	Automotive Fuse,7-1/2A,Blade,ATC Series	BUSSMANN	ATC-7-1/2	Electrical	1BZ41	EA	1	1.71	0.23	0.74
874	800	Surface-Conditioning Disc,2 in Dia,TR	SCOTCH-BRITE	7000000752	Abrasives	4ZR35	EA	1	2.53	0.1	1.63
875	800	Ear Plugs,Uncorded,Bell,33dB,PK200	HONEYWELL HOWARD LEIGHT	MAX-1	Safety	5FV14	PK	200	55.47	0.19	25.37
876	800	Chemical Resistant Glove,15 mil,Sz 11,PR	ALPHATEC	37-155	Safety	5AW52	PR	1	3.68	0.19	2.02
877	800	All Purpose Cleaner,32 oz,PK12	LYSOL	REC 75352	Cleaning	22C503	PK	12	126.14	0.22	52.82
878	800	Linear LED Bulb,T8,48" L,G13,3500K	CURRENT	LED18ET8/G/4/835	Lighting	48PX95	EA	1	20	0.22	11.02
879	800	Linear Fluorescent Bulb,54W,3500K	SYLVANIA	FP54/835/HO/ECO	Lighting	56GK55	EA	1	4.25	0.22	3.04
880	800	Coupling,PVC,Trade Size 3/4in	CANTEX	6141624	Electrical	4FXY4	EA	1	0.76	0.23	0.38
881	800	Snap Hook Loop,2 13/16 in L,Steel	ACCUFORM	HTL175	Safety	49AW69	EA	1	0.41	0.19	0.23
882	800	Metal Polish,19.25 oz,Jar,10.5 pH	BLUE MAGIC	500-06	Cleaning	1MPU7	EA	1	19.45	0.22	12.33
883	800	Connector,Zinc,Overall L 1 11/32in	RACO	2802	Electrical	52NE11	EA	1	2.08	0.23	0.84
884	800	Grease,Ext Pres High Temp,14.1 oz,Red	VALVOLINE	VV61510	Fleet and Vehicle Maintenance	4NPL9	EA	1	10.24	0.08	5.87
885	800	Gasket,Zurn	ZURN	P6000-H27	Plumbing	21TE66	EA	1	0.89	0.2	0.48
886	800	Disinfectant Cleaner,Pine,144 oz,PK3	PINE-SOL	35418	Cleaning	22D027	PK	3	86.21	0.22	39.96
887	800	Inverted Marking Paint,20oz,Safety Green	INDUSTRIAL CHOICE	1834838	Paint, Equipment and Supplies	56LA80	EA	1	11.75	0.12	4.09
888	800	120 W,White,Miniature Bi-Pin (G5)	LEVITON	13654-TWP	Lighting	799LA4	EA	1	9.68	0.22	7.19
889	800	Wide Staples,29/64x1/4 In,PK1000	STANLEY	TRA204T	Fasteners	1XHR8	PK	1000	2.31	0.32	1.52
890	800	Multi-Bit Screwdriver, NumBits 7	MEGAPRO	151TP-B	Hand Tools	5PA34	EA	1	42.22	0.14	22.83
891	800	Sting Relief Wipes,PK10	FIRST AID ONLY	19-002	Safety	39N932	PK	10	2.77	0.19	1.73
892	800	Metal Cleaner and Polish,17 oz	WEIMAN	49	Cleaning	53YZ87	EA	1	12.49	0.22	6.66
893	800	Red Grease,Cartridge,14 oz,NLGI Grade 2	STA LUBE	SL3190	Fleet and Vehicle Maintenance	5EVZ0	EA	1	18.91	0.08	7.62
894	800	Twist On Wire Connector,600 V,PK100	IDEAL	30-073	Electrical	6YH36	PK	100	18.23	0.23	5.74
895	800	Box Fan,3 Speeds,20" Blade dia.	AIR KING	9723	HVAC and Refrigeration	4CH71	EA	1	69.76	0.17	35.04
896	800	Straight Blade Plug,Blk,15 A,Stnd,5-15P	HUBBELL	515P	Electrical	49YK49	EA	1	8.62	0.23	2.59
897	800	Waterless Urinal Sealant,Universal Fit	WATERLESS NO-FLUSH URINAL	1114	Plumbing	2VRW1	EA	1	34.95	0.2	25.16
898	800	Polymer Caulking Compound,Gray	IDEAL	31-601G	Adhesives, Sealants and Tape	25C077	EA	1	8.26	0.1	6.58
899	800	Line Marking Paint,20 oz,Alert Orange	RUST-OLEUM	203035	Paint, Equipment and Supplies	6KP37	EA	1	11.32	0.12	4.09
900	800	Connector,Steel,Trade Size 3/8in	THOMAS & BETTS	3110-TB	Electrical	2RET1	EA	1	4.19	0.23	2.42
901	800	RV/Marine Antifreeze,1 gal.,RTU	SPLASH	619527-G35	Fleet and Vehicle Maintenance	49GU89	EA	1	6.72	0.08	3.18
902	800	Conduit Fitting,Iron; Steel,Trd Sz 1/2in	RACO	3402	Electrical	6X770	EA	1	4.84	0.23	2.13
903	800	Linear FLUOR Bulb,T5,21-5/8" L,G5,3500K	CURRENT	F14WT5/835/ECO	Lighting	5AE13	EA	1	13.78	0.22	8.96
904	800	CutOff Wheel,Blue Fire,3"x1/16"x3/8"	NORTON	66252843175	Abrasives	33N533	EA	1	5.07	0.1	2.34
905	800	Dry Wipe,9-3/4" x 16-1/2",White	WYPALL	05790	Cleaning	2VJC7	EA	1	22.88	0.22	11.13
906	800	Contact Clnr,Aero Spray Can,13 oz,2000	CRC	03150	Cleaning	12W317	EA	1	56.51	0.22	18.32
907	800	Linear LED Bulb,T5,45-3/4" L,G5,4000K	PHILIPS	24T5HO/46-840/IF35/P/DIM 10/1	Lighting	53UG89	EA	1	21.23	0.22	11.53
908	800	Alcohol Pads,Antiseptics,PK200	FIRST AID ONLY	H305-200	Safety	36LF71	PK	200	11.41	0.19	3.89
909	800	Linear FLUOR Bulb,T5,45-1/4" L,G5,3000K	CURRENT	F28WT5/830/ECO	Lighting	5AE18	EA	1	12.45	0.22	6.51
910	800	1/4" SAE Cap,Brass,700 psi	MUELLER	A 16447	HVAC and Refrigeration	38N867	EA	1	1.43	0.17	0.62
911	800	Pet Waste Bag,8 oz.,PK20	DOGIPOT	1402HP-CASE	Cleaning	36MX75	PK	20	133.56	0.22	74.16
912	800	Fluorescent,28 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/ADV841/EW/ALTO 28W 30PK	Lighting	492X65	EA	1	9.26	0.22	2.99
913	800	Plug-In CFL Bulb,18W,1150 lm,3500K	SYLVANIA	CF18DD/835/ECO	Lighting	56GK12	EA	1	5.26	0.22	3.31
914	800	Coated Gloves,Blue/Gray,2XL,PR	SHOWA	300XXL-11	Safety	23PG79	PR	1	4.78	0.19	1.99
915	800	Flush Valve Seal,Mansfield	KORKY	427BP	Plumbing	48H475	EA	1	2.47	0.2	1.07
916	800	Cut-Resistant Gloves,XL/10,PR	HYFLEX	11-939	Safety	54EL03	PR	1	25.42	0.19	11.63
917	800	Sunscreen,Spray Bottle	SUNX	18-304	Safety	31DJ83	EA	1	13.01	0.19	5.7
918	800	Safety Glasses,Smoke	KLEENGUARD	25714	Safety	2UYG3	EA	1	10.81	0.19	3.95
919	800	Linear LED Bulb,T5,45-3/4" L,G5,5000K	PHILIPS	24T5HO/46-850/IF35/P/DIM 10/1	Lighting	53UG90	EA	1	27.44	0.22	15.36
920	800	Paper Towel Sheets,White,250,24590,PK16	GEORGIA-PACIFIC	24590	Cleaning	2U228	PK	16	88.83	0.22	40.25
921	800	Toilet Seat,Elongated Bowl,Open Front	CENTOCO	GR550STSCC-001	Plumbing	29TJ04	EA	1	20.6	0.2	12.55
922	800	Recycled Trash Bag,44 gal.,Black,PK100	MINT-X	MX4046XHB	Cleaning	14X378	PK	100	66.97	0.22	27.99
923	800	CutOff Wheel,A60T,6"x.045"x7/8",10200rpm	DEWALT	DW8725	Abrasives	3CB32	EA	1	3.79	0.1	1.98
924	800	Bypass Lopper,1-1/2 In,Forged Steel	CORONA	WL 3351	Outdoor Equipment	21EJ14	EA	1	49.15	0.12	28.49
925	800	Belt,Drive	SANITAIRE	30563B	Cleaning	23YU38	EA	1	3.23	0.22	1.64
926	800	CFL,36.3 W,PL-L,4-Pin (2G11)	PHILIPS	PL-L 40W/841/4P/RS/IS	Lighting	492Y99	EA	1	10.46	0.22	5.12
927	800	Surface-Conditioning Disc,2 in Dia,TR	ARC ABRASIVES	59342	Abrasives	3HB53	EA	1	1.18	0.1	0.77
928	800	Hand Soap,CLR,1,250 mL,,PK3	GOJO	8811-03	Cleaning	12Z364	PK	3	97.85	0.22	40.54
929	800	Spray Paint,Dark Machine Gray,15 oz.	RUST-OLEUM	V2187838	Paint, Equipment and Supplies	5H905	EA	1	15.38	0.12	5.94
930	700	Fire Extinguisher,Steel,Red,ABC	AMEREX	B417T	Safety	3YWN1	EA	1	60.07	0.19	37.04
931	700	Transport Hood,White/Black,Universal	CORTECH	8320	Security	13G493	EA	1	14.85	0.15	9.35
932	700	Keyed Padlock, 3/8 in,Rectangle,Gold	MASTER LOCK	4140KA	Security	4YH24	EA	1	8.59	0.15	4.8
933	700	Depressed Ctr Wheel,T27,4.5x0.045x7/8,AO	NORTON	66252842026	Abrasives	6PH20	EA	1	4.6	0.1	2.13
934	700	Fuse,Class RK5,30A,FRN-R Series	BUSSMANN	FRN-R-30	Electrical	1A698	EA	1	12.46	0.23	4.52
935	700	Diaphragm Assembly,Manual,Toilets,1.6GPF	ZURN	P6000-ECR-WS1	Plumbing	4HCV7	EA	1	25.84	0.2	9.9
936	700	Elec Tape,66 ft Lx3/4 in W,7 mil,Green	3M	10851	Adhesives, Sealants and Tape	2A231	EA	1	13.42	0.1	7.15

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
937	700	Thread Sealant Tape,1/2" W,White	ANTI-SEIZE TECHNOLOGY	16035	Adhesives, Sealants and Tape	4X543	EA	1	4.14	0.1	1.71
938	700	Persnl Emrgncy Hygiene Kit,1 People Srvd	READY AMERICA	71502	Safety	44ZK90	EA	1	18.45	0.19	11.08
939	700	Water/Oil Resis mechanic style Glove,PR1	IRONCLAD	EXO-MWR-05-XL	Safety	45VK55	PR	1	15.04	0.19	5.46
940	700	Paper Towel Sheets,White,220,20887,PK10	GEORGIA-PACIFIC	20887	Cleaning	4TH60	PK	10	120.39	0.22	52.99
941	700	Scratch Brush,3 19/32 in Brush L	HYDE	46605	Cleaning	38HT07	EA	1	1.96	0.22	1.27
942	700	Fluorescent,25 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/VEA841/XEW ALTO 25W	Lighting	492X73	EA	1	7.8	0.22	2.47
943	700	Disinfectant,Clean and Fresh,19 oz,PK12	MISTY	1001907	Cleaning	22C657	PK	12	147.31	0.22	56.7
944	700	CFL,13 W,T4,4-Pin (2GX7)	SYLVANIA	20318	Lighting	60UA31	EA	1	5.26	0.22	3.24
945	700	Seal Kit,Coyne, Delaney	KISSLER	F-141-KC	Plumbing	14U339	EA	1	12.58	0.2	7.09
946	700	Coated Gloves,Nylon,M,PR	MCR SAFETY	N96790M	Safety	40P595	PR	1	6.47	0.19	2.81
947	700	Personal Eye Wash Bottle,16 oz.	PHYSICIANSCARE	24-101	Safety	36N057	EA	1	12.22	0.19	6.33
948	700	Beam C-Clamp,C-Clamp,0.81"W,Cast Iron	NVENT CADDY	BC260025EG	Electrical	1XJR3	EA	1	3.16	0.23	1.25
949	700	Conduit Adapter,PVC,Trade Size 1in	CANTEX	5140045	Electrical	4FYA5	EA	1	1.79	0.23	1.02
950	700	Folding Utility Knife,6-7/8" L	MILWAUKEE	48-22-1502	Hand Tools	55ZY64	EA	1	23.65	0.14	18.4
951	700	Single Sided Sign Mounting Brackets,PR	TAPCO	037-00005	Safety	9FPR4	PR	1	14.65	0.19	9.33
952	700	Duct Tape,Gray,2 in x 60 yd,7.4 mil	3M	2979	Adhesives, Sealants and Tape	45FD23	EA	1	19.02	0.1	6.61
953	700	11 oz.,Aerosol,Dry Lubricant	WD-40 SPECIALIST	300012	Lubrication	19L521	EA	1	12.31	0.1	5.82
954	700	Mixing Tee Adapter,Acorn	ACORN	2570-042-000	Plumbing	2EWC6	EA	1	10.51	0.2	6.48
955	700	Pallet Rack Decking,36in x 46 in	HUSKY RACK & WIRE	3646A3-G	Material Handling	2JGK2	EA	1	51.4	0.15	28.92
956	700	Disposable Gloves,Nitrile,L,PK50	MICROFLEX	N893	Safety	3NFJ2	PK	50	19.47	0.19	13.16
957	700	Dissolvetech MF Towel,9.5in,250ct.,PK16	SOFIDEL	410339	Cleaning	42MM69	PK	16	72.33	0.22	34.8
958	700	Toilet Bowl Cleaner,24 oz,Bottle,PK12	CLOROX	00031	Cleaning	1AU29	PK	12	74.49	0.22	34.39
959	700	Hex Drive Socket Adapter,Square,3/8 in	MILWAUKEE	48-32-5031	Hand Tools	5ECA9	EA	1	5.67	0.14	3.69
960	700	27.9 W,T5,Miniature Bi-Pin (G5)	PHILIPS	28W/835 Min Bipin T5 HE ALTO UNP/40	Lighting	492X92	EA	1	14.86	0.22	4.58
961	700	EndClmp,TRV,Plastic,ScrewMount	SCHNEIDER ELECTRIC	NSYTRAABV35	Electrical	23NY28	EA	1	4.17	0.23	2
962	700	Hang and Stack Bin,Blue,Plastic,3 in	AKRO-MILS	30220BLUE	Material Handling	2W777	EA	1	3.86	0.15	1.42
963	700	U-Bend FLUOR Bulb,T8,G13,4100K,31W	CURRENT	F31T8/SPX41/U/ECO	Lighting	2ETT9	EA	1	22.8	0.22	12.96
964	700	Universal Absorbent,50 lb.,Bag	EP MINERALS	7951	Safety	6RKH8	EA	1	15.31	0.19	10
965	700	Battery,Lithium,Size CR2,3VDC	DURACELL	DLCR2BPK	Electronics, Appliances, and Batteries	1FYE9	EA	1	12.82	0.19	5.38
966	700	Chemical Resistant Glove,15 mil,Sz 10,PR	ALPHATEC	37-175	Safety	4T425	PR	1	3.51	0.19	1.69
967	700	Safety Glasses,Espresso	HONEYWELL UVEX	S3201	Safety	3WLV7	EA	1	22.06	0.19	8.71
968	700	Disposable Gloves,Orange,8" L,2XL,PK100	MECHANIX WEAR	D01-09-012-100	Safety	794CG0	PK	100	55.2	0.19	37.31
969	700	13 wt oz.,Aerosol,Penetrant	CRC	03020	Lubrication	3EED4	EA	1	18.6	0.1	8.52
970	700	MaxiFlex Seamless Knits,ATG,L,PK12	PIP	34-844/L	Safety	581R58	PK	12	101.91	0.19	44.25
971	700	Grab Bar,SS,Satin,36 in L	WINGITS	WGB6SS36	Plumbing	6RGG7	EA	1	39.81	0.2	29.01
972	700	Lubricant,6 oz.,Aerosol	TRI-FLOW	TF200050	Lubrication	3JDL3	EA	1	20.37	0.1	7.96
973	700	Cable Hanger,Steel,Overall L 1in	RACO	2052TH	Electrical	55YF19	EA	1	1.02	0.23	0.64
974	700	Bib Apron,Universal,Blue,Vinyl	ALPHATEC	56-015	Safety	5EMD1	EA	1	3.24	0.19	1.41
975	700	Disposable Gloves,M,Violet Blue,PK100	MICROFLEX	SU-690	Safety	794H55	PK	100	23.98	0.19	16.67
976	700	Windshield Washer,11 oz. Size,Can	PRESTONE	AS242	Fleet and Vehicle Maintenance	49XW69	EA	1	7.43	0.08	3.05
977	700	Plug-In CFL Bulb,26W,1710 lm,4100K	SYLVANIA	CF26DD/841/ECO	Lighting	56GK59	EA	1	4.77	0.22	3.72
978	700	Paint Roller Cover,4"L,3/8"Nap,Polyester	PREMIER	PR80C4	Paint, Equipment and Supplies	5CVP3	EA	1	1.98	0.12	1
979	700	Tub and Shower Cartridge,Delta,Plastic	KISSLER	46-9804	Plumbing	2FGU1	EA	1	34.94	0.2	23.66
980	700	Multipurpose Grease,Cartridge,13oz	MOBIL	122112	Lubrication	4ZF49	EA	1	22.24	0.1	8.21
981	700	Jumper Lead Kit	GENERAL	CT800	Test Instruments	5CFK1	EA	1	12.2	0.07	7.93
982	700	Elec Tape,66 ft Lx3/4 in W,7 mil,Yellow	3M	10844	Adhesives, Sealants and Tape	2A232	EA	1	13.42	0.1	7.15
983	700	Drain Assembly,1 1/4 in Dia,Brass	KISSLER	08-1005	Plumbing	31XJ03	EA	1	20.87	0.2	14.34
984	700	Filter Cartridge,0.5 micron,6" H,PK2	DUPONT	WFPTC102N	Furniture, Hospitality and Food Service	25CA61	PK	2	21.92	0.05	6.44
985	700	Elec Tape,66 ft Lx3/4 in W,7 mil,Black	SHURTAPE	EV 057	Adhesives, Sealants and Tape	49XZ33	EA	1	2.05	0.1	1.33
986	700	Spray Paint,OSHA Safety Blue,12 oz.	RUST-OLEUM	1624830	Paint, Equipment and Supplies	6KN87	EA	1	11.55	0.12	5.85
987	700	Through Type Insert,1/4 In	PARKER	63NTA-4	Plumbing	11K646	EA	1	0.68	0.2	0.27
988	700	Lantern Battery,Alkaline,6VDC,Spring	DURACELL	MN908	Electronics, Appliances, and Batteries	5LE26	EA	1	20.92	0.19	7.72
989	700	Plug-In CFL Bulb,3500K,42W,17,000 hr	CURRENT	F42TBX/835/A/ECO	Lighting	1PHA8	EA	1	17.81	0.22	6.91
990	700	Coated Gloves,Black/Blue,M	SHOWA	380M-07	Safety	2AFD4	PR	1	6.71	0.19	3.34
991	700	Quick Link,1/4in,880 lb Work Load Limit	PEERLESS	PEE-8056235	Material Handling	38XH96	EA	1	1.59	0.15	0.99
992	700	Elec Tape,66 ft Lx3/4 in W,7 mil,Blue	3M	10836	Adhesives, Sealants and Tape	2A230	EA	1	13.42	0.1	7.15
993	700	Safety Glasses,Clear,Uncoated	MCR SAFETY	26G909	Safety	26G909	EA	1	2.4	0.19	1.47
994	700	Clamp Ring,Copper,3/4" Tube,1/2" Pipe	ZURN PEX	QCR3X	Plumbing	10A573	EA	1	0.56	0.2	0.36
995	700	Paint Roller Frame,9" Roll L,15" L	WOOSTER	R017-9	Paint, Equipment and Supplies	3UW50	EA	1	15.75	0.12	5.65
996	700	Depressed Ctr Wheel,T27,4.5x0.045x7/8,AO	DEWALT	DW8424	Abrasives	6HD81	EA	1	3.19	0.1	1.31
997	700	Pleated Air Filter	PURAFILTER	24244MV13	HVAC and Refrigeration	60YP40	EA	1	31.67	0.4	19
998	700	Windshield Washer,17 oz. Size,Can	PRESTONE	AS244	Fleet and Vehicle Maintenance	49XW71	EA	1	8.18	0.08	3.28
999	700	Digital Pocket Thermometer,2-3/4 In. L	COOPER ATKINS	DPP400W	Test Instruments	5WX81	EA	1	37.23	0.07	19.01
1000	700	Linear LED Bulb,T8,36"L,2-Pin(G13),4000K	CURRENT	LED12BDT8/G3/840	Lighting	55GT97	EA	1	15.92	0.22	11.18
1001	700	Paper Towel Roll,1150 ft.,White,PK6	KIMBERLY-CLARK PROFESSIONAL	25702	Cleaning	42EP38	PK	6	210.19	0.22	94.83
1002	700	Trigger Spray Bottle,32oz,12 1/2"H,Clear	IMPACT	5032WG/5906DZ-91	Cleaning	39FD11	EA	1	6.64	0.22	1.59
1003	700	Connector,Zinc,Trade Size 3/8in	RACO	2691	Electrical	43GX36	EA	1	2.17	0.23	1.27
1004	700	Trenching Shovel,48" Handle L,5" Blade W	RAZOR-BACK	47025	Outdoor Equipment	454G92	EA	1	58	0.12	28.38
1005	700	Ratchet FaceshieldAssembly,Clear,Poly	SELLSTROM	S39110	Safety	3NLZ1	EA	1	44.33	0.19	18.3
1006	700	Multipurpose Grease,Cartridge,14oz	LPS	70614	Lubrication	4UJ42	EA	1	21.05	0.1	12.81
1007	700	7.5 wt oz.,Aerosol,Lubricant	CRC	05074	Lubrication	19MX42	EA	1	9.16	0.1	5.31
1008	700	EmergencyBlanket,Silver,84inLx54inW,PK25	FIRST VOICE	MYLAR1-25	Safety	35ZC63	PK	25	45.59	0.19	29.63
1009	700	Plug-In CFL Bulb,3500K,13W,17,000 hr	CURRENT	F13DBX/835/ECO4P	Lighting	1PGW4	EA	1	10.35	0.22	5.02
1010	700	Automotive Fuse,3A,Blade,ATC Series	BUSSMANN	ATC-3	Electrical	1BZ37	EA	1	1.89	0.23	0.66
1011	700	Smoke Alarm,3V,Alkaline,Photoelectric	KIDDE	P3010L	Safety	20JK08	EA	1	55.31	0.19	27.86
1012	700	Fluorescent,75 W,T12,Single Pin (Fa8)	PHILIPS	F96T12/CW Supreme/ALTO 15PK	Lighting	492Y02	EA	1	13.24	0.22	9.35
1013	700	Marking Paint,20oz,HighVisibility Yellow	RUST-OLEUM	203034	Paint, Equipment and Supplies	6KP36	EA	1	11.32	0.12	4.09
1014	700	Beam,48" W,3" H,2 1/2" D,Orange	HUSKY RACK & WIRE	IBX30048	Material Handling	21E914	EA	1	58.07	0.15	28.93

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1015	700	Hand Soap,CLR,1,200 mL,,PK2	GOJO	1911-02	Cleaning	15E819	PK	2	98.29	0.22	44.68
1016	700	Epoxy Adhesive,Syringe,1:1 Mix Ratio	DEVCON	14250	Adhesives, Sealants and Tape	5A462	EA	1	16.39	0.1	6.25
1017	700	Filter Cartridge,20 micron,9 3/4" H	PENTAIR/PENTEK	255491-75	Plumbing	4PCC3	EA	1	19.58	0.2	14.1
1018	700	Linear LED Bulb,T8,48"L,2-Pin(G13),5000K	CURRENT	LED14ET8/G4/850CT	Lighting	55GT93	EA	1	15.65	0.22	10.99
1019	700	Line Marking Paint,20oz,Fluorescent Pink	RUST-OLEUM	1661838V	Paint, Equipment and Supplies	783AE4	EA	1	12.22	0.12	4.09
1020	700	Linear LED Bulb,T8,48"L,2-Pin(G13),5000K	CURRENT	LED11ET8/G/4/850	Lighting	55GT89	EA	1	14.54	0.22	9.87
1021	700	Hang and Stack Bin,Yellow,Plastic,3 in	AKRO-MILS	30220YELLO	Material Handling	5W870	EA	1	3.86	0.15	1.42
1022	700	Sign Mounting Hardware,Silver,SS,PK2	TAPCO	373-00693	Safety	3YVU9	PK	2	2.81	0.19	2
1023	700	Toilet Paper Roll,Continuous,White,PK12	KIMBERLY-CLARK PROFESSIONAL	67805	Cleaning	42EN65	PK	12	131.69	0.22	58.63
1024	700	Exit Door Alarm,Horn,95 to 105dB	SAFETY TECHNOLOGY INTERNATIONAL	STI-6402	Security	3JYV9	EA	1	144.06	0.15	67.6
1025	700	Tank to Bowl Kit,Universal Fit	KORKY	464BP	Plumbing	29VM27	EA	1	9	0.2	5.39
1026	700	Keyed Padlock, 5/8 in,Rectangle,Silver	MASTER LOCK	3	Security	1A376	EA	1	14.58	0.15	8.77
1027	700	Connector,Thermoplastic,Overall L 5/8in	RACO	4714	Electrical	1RVZ1	EA	1	0.29	0.23	0.16
1028	700	Conduit Fitting,Iron; Steel,Trd Sz 3/4in	RACO	3543	Electrical	3LL24	EA	1	12.42	0.23	6.67
1029	700	Electronic Module,Sloan	SLOAN	EBV129A-C	Plumbing	2XU17	EA	1	301.83	0.2	136.08
1030	700	Trip Lever,Universal Fit	FLUIDMASTER	Pro 61	Plumbing	1APP6	EA	1	6.95	0.2	3.92
1031	700	Mini Paint Roller Frame,4" Roll L,4wire	PREMIER	412-IMP	Paint, Equipment and Supplies	6LFH5	EA	1	3.72	0.12	2.36
1032	700	CFL,13 W,T4,2-Pin (GX23)	SYLVANIA	21137	Lighting	60UA51	EA	1	5.27	0.22	3.53
1033	700	Linear Fluorescent Bulb,32W,5000K	SYLVANIA	FO32/850/XP/ECO3/SL	Lighting	56GK63	EA	1	17.25	0.22	12.25
1034	700	Linear Fluorescent Bulb,32W,5000K	SYLVANIA	FO32850XPSECO3	Lighting	56GK47	EA	1	5.56	0.22	3.98
1035	700	Linear Fluorescent Bulb,28W,4100K	SYLVANIA	FO28/841XP/XL/SS/ECO3	Lighting	56GK38	EA	1	5.11	0.22	3.65
1036	700	Coupling,Steel,Overall L 2 13/32in	RACO	2024	Electrical	52AU96	EA	1	2.17	0.23	0.93
1037	700	O-Ring,Zurn	ZURN	P6000-C31	Plumbing	4HCU6	EA	1	1.69	0.2	0.78
1038	700	Diaphragm Assembly,Manual,Toilets,2.4GPF	SLOAN	A44A	Plumbing	3EPU7	EA	1	31.81	0.2	20.68
1039	700	Disposable Gloves,Nitrile,XL,PK100	TOUCHNTUFF	92-575	Safety	1RL63	PK	100	26.63	0.19	11.65
1040	700	Kneeling Pad,Heavy Duty,22 Lx12 W,Black	NOTRAX	951S1222BL	Safety	2HNW1	EA	1	55.82	0.19	27.28
1041	700	Impct Skt Adpt St,Stel,Blk Oxd,1/4in,PK3	MILWAUKEE	48-32-5033	Hand Tools	19RK08	PK	3	34	0.14	14.36
1042	700	Hands Free Light,Plastic,White,10lm	AMERICAN RED CROSS	ARCBB201W-SNG	Lighting	54GE24	EA	1	15.49	0.22	12.08
1043	700	Type I Safety Can,5 gal.,Red,13-1/2In H	EAGLE	UI50S	Safety	2W313	EA	1	78.82	0.19	40.15
1044	700	Folding Utility Knife,6-5/32" L	MILWAUKEE	48-22-1500	Hand Tools	55ZY62	EA	1	14.31	0.14	11.08
1045	700	Coated Gloves,Blue/Gray,XL,PR	SHOWA	305XL-10	Safety	3RUF6	PR	1	5.95	0.19	3.27
1046	700	Chemical Resistant Glove,11 mil,Sz 10,PR	ALPHATEC	37-145	Safety	4T419	PR	1	2.98	0.19	1.34
1047	700	Faucet Inserts,Plastic	NEOPERL	5504705	Plumbing	4XGL4	EA	1	0.84	0.2	0.55
1048	700	Wire Stripper,18 to 10 AWG,7-1/8 In	KLEIN TOOLS	11055	Hand Tools	3PB81	EA	1	30.75	0.14	17.52
1049	700	90 Elbow, Cast Iron, 2 ",FNPT,Class 125	ANVIL	0300001609	Plumbing	4KUK3	EA	1	26.4	0.2	11.52
1050	700	Marking Paint,20oz,HighVisibility Yellow	RUST-OLEUM	264695	Paint, Equipment and Supplies	21CJ72	EA	1	11.01	0.12	3.85
1051	700	Glove,Light Weight,Blue,Seamless,XL,PR	PIP	34-274/XL	Safety	395M60	PR	1	9.58	0.19	6.07
1052	700	Conduit Access Gasket,Rubber	HUBBELL KILLARK	GASK572	Electrical	2NA31	EA	1	4.63	0.23	1.8
1053	700	Medium-Strength Threadlocker,0.338 fl oz	LOCTITE	135354	Adhesives, Sealants and Tape	5A228	EA	1	25.24	0.1	13.94
1054	700	Relief Valve,Sloan	SLOAN	A19AU	Plumbing	2XU11	EA	1	10.31	0.2	5.13
1055	700	Linear LED Bulb,T8,36"L,2-Pin(G13),4000K	CURRENT	LEDT8/LC/G/3/840	Lighting	55GU45	EA	1	21.33	0.22	14.98
1056	700	LED,8.5 W,A19,Medium Screw (E26)	PHILIPS	8.5A19/LED/930/FR/P/ND 4/1FB	Lighting	784ND5	EA	1	2.63	0.22	1.84
1057	700	Spray Outlet,Brass,13/16 in - 27,Chrome	NEOPERL	5510005	Plumbing	10N182	EA	1	2.31	0.2	1.5
1058	700	Torch,Brazing	BERNZOMATIC	TS4000	Welding	4NE96	EA	1	84.36	0.1	48.7
1059	700	Plug-In CFL Bulb,3000K,26W,17,000 hr	CURRENT	F26DBX/830/ECO4P	Lighting	1PGY5	EA	1	12.59	0.22	6.82
1060	700	Diaphragm Assembly,Manual,Toilets,1.6GPF	SLOAN	A1041A	Plumbing	4FB32	EA	1	55.46	0.2	22.79
1061	700	Safety Glasses,Indoor/Outdoor	SMITH & WESSON	21306	Safety	3UXP1	EA	1	11.57	0.19	6.62
1062	700	Recept,Ivory,20 A,GFCI,2P3W,Bk;Sd,1PK	HUBBELL	GFRST20I	Electrical	39EA23	EA	1	47.78	0.23	17.69
1063	700	Fuse,Midget,10A,BLF Series	LITTELFUSE	BLF010	Electrical	486H61	EA	1	3.37	0.23	1.69
1064	700	Flying Insect Killer, Aerosol, 18.5 oz	SPECTRACIDE	97221	Outdoor Equipment	799UW7	EA	1	7.53	0.12	5.97
1065	700	Loose Wheel Nut Indicator,21mm,Plastic	CHECKPOINT	CPY21MM	Fleet and Vehicle Maintenance	38XK76	EA	1	1.31	0.08	0.84
1066	700	Master Rebuild Kit,Toilets	SLOAN	R1001A	Plumbing	2VEE3	EA	1	43.39	0.2	24.9
1067	700	Striping Paint,20 oz,Athletic White	KRYLON INDUSTRIAL	K00830508	Paint, Equipment and Supplies	38EL82	EA	1	14.66	0.12	6.61
1068	700	Cooling Tie Bandana, Universal, Camo	CHILL-ITS BY ERGODYNE	6700CT	Safety	48Z863	EA	1	6.91	0.19	4.2
1069	700	Scouring Pad,9 1/4 in L,Copper,PK3	SCOTCH-BRITE	213C	Cleaning	21XL12	PK	3	4.84	0.22	2.26
1070	700	Handheld Flashlight,Polymer,Yellow,245lm	STREAMLIGHT	68751	Lighting	49XG37	EA	1	56.24	0.22	23.72
1071	700	Rust Preventative Spray Paint,Alkyd Base	RUST-OLEUM	7543838	Paint, Equipment and Supplies	490T05	EA	1	18.53	0.12	6.21
1072	700	Filter Cartridge,50 micron,9 3/4" H	PENTAIR/PENTEK	255484-75	Plumbing	4PAX5	EA	1	7.89	0.2	4.68
1073	700	Evaporator Cleaner,Aerosol,18 fl oz	NU-CALGON	4166-75	HVAC and Refrigeration	2RZW3	EA	1	22.8	0.17	10.49
1074	700	Cutting Oil,12 oz,Aerosol,Petroleum Base	SPRAYON	SC0208000	Machining	2W755	EA	1	12.22	0.07	6.84
1075	700	Double Sided Tape,1 11/16 yd L,1" W	GORILLA	6055002	Adhesives, Sealants and Tape	49UU23	EA	1	15.89	0.1	6.86
1076	700	Leather Gloves,Cream,L,PR	MCR SAFETY	3205L	Safety	22DN41	PR	1	9.45	0.19	5.84
1077	700	Alcohol Pads,Antiseptics,PK100	FIRST AID ONLY	H305	Safety	36LF43	PK	100	6.78	0.19	3.78
1078	700	Instant Adhesive,0.07 fl oz,Tube	KRAZY GLUE	EPIKG58548R	Adhesives, Sealants and Tape	6HCH4	EA	1	3.04	0.1	1.98
1079	700	Linear Fluorescent Bulb,24W,3500K	SYLVANIA	FP24/835/HO/ECO	Lighting	56GK53	EA	1	4.25	0.22	3.04
1080	700	Leather Gloves,12,Goatskin,PR	RINGERS GLOVES	664-12	Safety	115N42	PR	1	49.44	0.19	36.04
1081	700	Conduit Fitting,Iron; Steel,Trd Sz 1/2in	RACO	3542	Electrical	3LL22	EA	1	10.01	0.23	4.71
1082	700	90 Elbow, Cast Iron, 3/4 in,Class 125	ANVIL	0300000809	Plumbing	4KUJ8	EA	1	7.4	0.2	4.18
1083	700	LED,5 W,Tube,2-Pin (GX23)	PHILIPS	5PL-S/LED/13H/827/IF5/P/2P 20/1	Lighting	494C78	EA	1	9.59	0.22	4.61
1084	700	Button Battery,Alkaline,1.5VDC,LR44,PK4	STREAMLIGHT	72030	Electronics, Appliances, and Batteries	3KKF6	PK	4	7.31	0.19	1.93
1085	700	Clear,4-Pin (2G11)	LEVITON	23452-H	Lighting	799L85	EA	1	3.26	0.22	2.29
1086	700	Paint Marker, Permanent, Yellow	MARKAL	96821	Hand Tools	2F936	EA	1	6.09	0.14	2.58
1087	700	LED,15.5 W,T8,Medium Bi-Pin (G13)	PHILIPS	15.5T8/COR/48-835/MF21/G/BAA 25/1	Lighting	60WT65	EA	1	23.22	0.22	16.62
1088	700	Cut-Resistant Gloves,M/8,PR	HYFLEX	11-939	Safety	54EL01	PR	1	25.42	0.19	11.63
1089	700	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/ADV835 ALTO 30PK	Lighting	492X63	EA	1	8.13	0.22	3.52
1090	700	Isolation Gown,Universal,White	CELLUCAP	434TKCGRA	Safety	3RKU6	EA	1	5.38	0.19	1.73
1091	700	Edger Blade, 10 In.	STENS	375352	Outdoor Equipment	11T608	EA	1	6.03	0.12	4.78
1092	700	Hang and Stack Bin,Red,Plastic,5 in	AKRO-MILS	30230RED	Material Handling	2W074	EA	1	8.74	0.15	3.37

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1093	700	Safety Glasses,Gray,Uncoated	XENON	SG-14G	Safety	13D088	EA	1	3.67	0.19	1.93
1094	700	Locknut,Steel,Overall L 1 45/64in	RACO	1004	Electrical	43GX09	EA	1	0.66	0.23	0.42
1095	700	Radians Foam Earplugs,PR	RADIANS	FP70	Safety	199TL9	PR	1	0.16	0.19	0.12
1096	600	Connector,Steel,Overall L 1 9/32in	RACO	2913	Electrical	52AU91	EA	1	1.74	0.23	0.89
1097	600	Coated Gloves,Palm and Fingers,M	HYFLEX	48-101	Safety	2RA96	PR	1	3.02	0.19	1.62
1098	600	Putty Knife,Flex,1-1/2",Polypropylene	HYDE	05510	Hand Tools	1DBA2	EA	1	1.13	0.14	0.49
1099	600	First Aid Kit,10 People Served,8" W,5" H	FIRST AID ONLY	91322	Safety	794KF9	EA	1	41.17	0.19	30.02
1100	600	Silicone Sealant,White,Advanced Silicone	GE	2812565	Adhesives, Sealants and Tape	3LA49	EA	1	17.52	0.1	6.7
1101	600	Label Tape Cartridge,26 ft.4"L,1/2" W	BROTHER	TZe231	Safety	13C490	EA	1	28.72	0.19	14.01
1102	600	Windshield DeIcer,Aerosol,12 oz	CRC	05346	Fleet and Vehicle Maintenance	5VE68	EA	1	9.48	0.08	4.37
1103	600	Marking Wand,34" L	RUST-OLEUM	2393000	Paint, Equipment and Supplies	6A379	EA	1	85.94	0.12	37.03
1104	600	Paint Marker, Permanent, White	MARKAL	96820	Hand Tools	2F934	EA	1	6.09	0.14	2.58
1105	600	Reducing Bushing,Steel,Trd Sz 1/2; 3/4in	HUBBELL KILLARK	RE21S	Electrical	2NE31	EA	1	6.05	0.23	3.73
1106	600	Paper Towel Roll,800,White,89470,PK6	GEORGIA-PACIFIC	89470	Cleaning	4DJV9	PK	6	183.09	0.22	86.16
1107	600	Epoxy Adhesive,Tube,1:1 Mix Ratio	J-B WELD	8265-S	Adhesives, Sealants and Tape	2UV83	EA	1	8.28	0.1	5.55
1108	600	Control Stop Repair Kit,Sloan	SLOAN	H543ASD	Plumbing	2XU32	EA	1	17.59	0.2	11.67
1109	600	Cut-Resistant Gloves,M/8,PR	ACTIVARMR	80-400	Safety	2RA87	PR	1	9.51	0.19	5.69
1110	600	CFL,32 W,PL-T,4-Pin (GX24q-3)	PHILIPS	PL-T 32W/841/A/4P/ALTO	Lighting	492Z26	EA	1	12.24	0.22	7.52
1111	600	Leather Gloves,Beige,XL,PR	MCR SAFETY	3401XL	Safety	21NM38	PR	1	12.06	0.19	4.84
1112	600	Corr Shelf Bin,White,Cardboard,4 1/2 in	PACKAGING CORPORATION OF AMERICA	BIN 6-9	Material Handling	31AW58	EA	1	2.11	0.15	1.02
1113	600	Absorbent Powder,Universal,Size 25 lb.	SPILL MAGIC	97125	Safety	437J91	EA	1	28.87	0.19	13.47
1114	600	CutOff Wheel,Z-Tech,4-1/2"x.045"x7/8"	UNITED ABRASIVES-SAIT	23324	Abrasives	1AUA6	EA	1	5.07	0.1	1.97
1115	600	Reducing Washer,1" to 3/4" Conduit Size	RACO	1367	Electrical	52AW37	EA	1	0.32	0.23	0.11
1116	600	Coated Gloves,3/4 Dip,10",M	MCR SAFETY	96781M	Safety	49DC28	PR	1	5.29	0.19	2.23
1117	600	Flat Mop Pad,Red,Microfiber	UNGER	MM40R	Cleaning	2MXA5	EA	1	38.71	0.22	19.89
1118	600	Lightstick,Yellow,12 hr.,6 In. L,PK10	SNAPLIGHT BY CYALUME TECHNOLOGIES	9-08004B	Safety	8YY28	PK	10	17.25	0.19	11.88
1119	600	Lockout Padlock,KD,Red,1-3/4"H	MASTER LOCK	410RED	Safety	4FG03	EA	1	19.14	0.19	10.04
1120	600	Roller Cover,4"L,1/2"Nap,Polyester/Wool	PREMIER	4KW2-50	Paint, Equipment and Supplies	24K678	EA	1	3.64	0.12	1.9
1121	600	Spray Adhesive,Aerosol,Net Wgt 17.6fl oz	3M	90	Adhesives, Sealants and Tape	3MA16	EA	1	34.19	0.1	19.69
1122	600	Pet Waste Bag,3/4 gal.,PK10	POOPY POUCH	PP-RB-200	Cleaning	19XZ86	PK	10	87.57	0.22	41.49
1123	600	CutOff Whl,Gemini,3"x1/16"x3/8",25465rpm	NORTON	66252835553	Abrasives	25TZ46	EA	1	1.83	0.1	0.94
1124	600	Spray Outlet,Plastic	NEOPERL	5504505	Plumbing	4XGL2	EA	1	1.54	0.2	1
1125	600	Battery,Alkaline,9V,Premium,PK12	DURACELL	MN1604BKD	Electronics, Appliances, and Batteries	21EK79	PK	12	64.58	0.19	37.18
1126	600	Coated Gloves,Palm and Fingers,9,9"	HYFLEX	11-800	Safety	4WX16	PR	1	6.29	0.19	3.89
1127	600	Quick Connect Filter,0.5 micron,1.7 gpm	PENTAIR/EVERPURE	EV961222-75	Plumbing	53GK24	EA	1	158.41	0.2	76.26
1128	600	Rubber Boot,Men's,11,Knee,Black,PR	HONEYWELL SERVUS	18821/11	Safety	3JZR7	PR	1	31.76	0.19	17.54
1129	600	Aerosol,Foam/ Wetting Agent,Class AB	FIREADE	10FA2K-6BB	Safety	53PW74	EA	1	15.41	0.19	10.44
1130	600	Plug-In CFL Bulb,26W,1800 lm,4100K	SYLVANIA	CF26DT/E/IN/841/ECO	Lighting	56GK52	EA	1	7	0.22	5.46
1131	600	Chemical Resistant Gloves,Green,Sz 10,PR	SHOWA	730-10	Safety	4JF20	PR	1	2.77	0.19	1.47
1132	600	Pipe Thread Sealant,8 fl oz,Gray	MARKAL	12219	Adhesives, Sealants and Tape	41MW04	EA	1	11.68	0.1	8.38
1133	600	Tape Measure,1 In x 25 ft,Yellow,In./Ft.	STANLEY	30-455	Hand Tools	5HK84	EA	1	14.92	0.14	6.26
1134	600	CutOff Whl,Gemini Asphalt,14"x.125"x20mm	NORTON	70184672877	Abrasives	12V879	EA	1	20.6	0.1	17.24
1135	600	Box Sealing Tape,Hot Melt Resin	SCOTCH	375	Adhesives, Sealants and Tape	24A626	EA	1	18.53	0.1	7.98
1136	600	Glue Trap,5-1/4 In. L,3-1/2 In. W,PK4	CATCHMASTER	104	Outdoor Equipment	5YAY1	PK	4	2.61	0.12	1.42
1137	600	Multi-Band,Blue,Universal Size	CHILL-ITS BY ERGODYNE	6487	Safety	56KA79	EA	1	18.92	0.19	11.89
1138	600	Handle Assembly,Sloan	SLOAN	B32A	Plumbing	2VEH1	EA	1	24.92	0.2	13.75
1139	600	License Plate Cover,Clear/Black,Polymer	BELL	45601-8	Fleet and Vehicle Maintenance	1EZA5	EA	1	6.41	0.08	5.9
1140	600	Plug-In CFL Bulb,3500K,13W,10,000 hr	CURRENT	F13BX/835/ECO	Lighting	1PGU5	EA	1	5.56	0.22	2.52
1141	600	Absorb Pad,Oil-Based Liquids,White,PK50	PIG	MAT415	Safety	30RA15	PK	50	81.27	0.19	44.88
1142	600	Anti-Vibration Gloves,L/9,9",PR	IRONCLAD	WWI2-04-L	Safety	21AN99	PR	1	26.78	0.19	19.52
1143	600	Water/Oil Resis mechanic style Glove,PR1	IRONCLAD	EXO-MWR-04-L	Safety	45VK54	PR	1	15.04	0.19	5.46
1144	600	Safety Glasses,Lens Clear,Polycarbonate	MILWAUKEE	48-73-2013	Safety	787UG2	EA	1	21.78	0.19	15.88
1145	600	Grab Hook,Steel,G70,Clevis,6600 lb.	B/A PRODUCTS CO.	11-38G7H	Material Handling	9XD05	EA	1	10.78	0.15	8.24
1146	600	Coupling,Steel,Overall L 2 5/32in	RACO	2923RT	Electrical	52AU79	EA	1	4.53	0.23	1.53
1147	600	FLUOR Ballast,Electronic,Programmed,54W	ADVANCE	ICN-2S54-T	Lighting	3CE46	EA	1	51.92	0.22	36.11
1148	600	Thread Sealant Tape,1/2" W,White	ANTI-SEIZE TECHNOLOGY	16030A	Adhesives, Sealants and Tape	4X227	EA	1	2.98	0.1	1.31
1149	600	HPS Bulb,ED23-1/2,E39,9500 lm,100W	CURRENT	LU100/H/ECO	Lighting	2VAD5	EA	1	24.83	0.22	13.52
1150	600	Flange Bolt Set,Universal Fit	HARVEY	051151	Plumbing	5PA63	EA	1	3.53	0.2	2.29
1151	600	Coupling,Steel,Overall L 1 59/64in	RACO	2922	Electrical	52AU67	EA	1	0.93	0.23	0.58
1152	600	Hip Wader,Men's,10,Steel,Black/Yellow,PR	TALON TRAX	5T256	Safety	5T256	PR	1	95.01	0.19	55.69
1153	600	Knee Pads,Swivel,Foam,Universal,PR	CLC	V6355	Safety	5LF33	PR	1	37.89	0.19	18.47
1154	600	2-Cycle Engine Oil,Conventional,8oz	MAG 1	MAG60138	Fleet and Vehicle Maintenance	20RW80	EA	1	2.13	0.08	1.25
1155	600	Connector,Steel,Trade Size 1/2in	RACO	2800	Electrical	1RVU8	EA	1	1.4	0.23	0.64
1156	600	Quick Connect Filter,0.5 micron,1.7 gpm	PENTAIR/EVERPURE	EV961227-75	Plumbing	5WFE8	EA	1	147.24	0.2	70.4
1157	600	Shelf Bin,Blue,Polypropylene,7 in	QUANTUM STORAGE SYSTEMS	SSB443BL	Material Handling	24K178	EA	1	25.61	0.15	12.88
1158	600	U-Bend FLUOR Bulb,T8,G13,4100K,32W	CURRENT	F32T8/SPX41/U6/ECO	Lighting	2ETT3	EA	1	22.46	0.22	10.87
1159	600	Linear LED Bulb,T8,48"L,2-Pin(G13),4000K	CURRENT	LED11ET8/G/4/840	Lighting	55GT88	EA	1	13.73	0.22	9.64
1160	600	Cut-Off Wheel,6 D,.045 T,7/8	NORTON	66252843221	Abrasives	33N321	EA	1	8.11	0.1	3.57
1161	600	Putty Knife,Flexible,1-1/2",Carbon Steel	HYDE	04101	Hand Tools	38HR90	EA	1	3.37	0.14	1.98
1162	600	Ice Melt,Granular,12 lb. Jug,-8 F	PREMIERE	CPM012JG-GR	Outdoor Equipment	5UUY4	EA	1	20.67	0.12	13.7
1163	600	Roller Cover,9"L,3/8"Nap,Polyester,PK6	PREMIER	6PK38	Paint, Equipment and Supplies	1UFN1	PK	6	12.28	0.12	4.31
1164	600	LED Lamp,T8 Bulb Shape,8.9 W,1600 lm	PHILIPS	8.9T8/MAS/48-840/IF16/P/DIM 10/1	Lighting	61LA68	EA	1	18.26	0.22	12.22
1165	600	Combination Cartridge/Filter,PK2	3M	60921	Safety	4JG10	PK	2	50.68	0.19	26.83
1166	600	Tongue and Groove Plier Set,Dipped,3Pcs.	CHANNELLOCK	GS-3	Hand Tools	3JZC9	EA	1	69.98	0.14	37.59
1167	600	2-Point Utility Blade,3/4 In. W,PK100	STANLEY	11-921A	Hand Tools	4A805	PK	100	24.09	0.14	10.27
1168	600	Mop Pad,Red,Microfiber	RUBBERMAID COMMERCIAL PRODUCTS	FGQ41000RD00	Cleaning	3CCX1	EA	1	23.97	0.22	9.41
1169	600	Coated Gloves,Blue/Gray,L,PR	SHOWA	305L-09	Safety	3RUF4	PR	1	5.95	0.19	3.27
1170	600	Spray Paint,OSHA Safety Red,12 oz.	RUST-OLEUM	1660830	Paint, Equipment and Supplies	6KP09	EA	1	11.55	0.12	5.1

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

Price Page

						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1171	600	Coated Glvs,Palm Finger,Blk/Gry,11,	HYFLEX	11-600	Safety	1FEX1	PR	1	3.59	0.19	2.2
1172	600	Gatorade,20 oz.,Liquid,PK24	GATORADE	10052000120781	Safety	48UT85	PK	24	55.36	0.19	33.88
1173	600	Foam Brush,1 in,Foam,Polyurethane Foam	WOOSTER	3102-1	Paint, Equipment and Supplies	38UX04	EA	1	0.56	0.12	0.28
1174	600	Tape Measure,1-1/4 Inx25 ft,Yellow/Black	STANLEY	33-725	Hand Tools	5HL16	EA	1	41.35	0.14	19.55
1175	600	PVC Conduit,PVC,Trade Size 1in	CANTEX	A52BA12	Electrical	4EUA7	EA	1	25.02	0.23	14.44
1176	600	Electrical Box Cover,Galvanized Zinc	RACO	860	Electrical	4A240	EA	1	2.05	0.23	0.65
1177	600	Gas Mask Canister,Threaded	MSA	10046570	Safety	4DA82	EA	1	158.08	0.19	97.5
1178	600	Striping Paint,20 oz,Dark Blue	RUST-OLEUM	263446	Paint, Equipment and Supplies	23N405	EA	1	15.45	0.12	5.44
1179	600	Rubbing Alcohol,Antiseptics,Bottle	SWAN	26831	Safety	3WHL3	EA	1	10.63	0.19	4.05
1180	600	Knit Cap,Universal,Navy Blue	CARHARTT	A18-NVY OFA	Safety	3MUH6	EA	1	25.38	0.19	11.76
1181	600	FLUOR Ballast,Electronic,Instant,32W	ADVANCE	IOPA-4P32-LW-N	Lighting	41H214	EA	1	26.85	0.22	19.53
1182	600	Relief Valve,Sloan	SLOAN	A19ACM	Plumbing	32L613	EA	1	22.93	0.2	11.99
1183	600	Butane Refill Canister,5-1/8 Oz	MASTER APPLIANCE	51773	Welding	3W799	EA	1	9.34	0.1	6.69
1184	600	Coated Gloves,3/4 Dip,10",L,	MCR SAFETY	9673L	Safety	36H993	PR	1	4.43	0.19	1.84
1185	600	Hip Wader,Men's,11,Steel,Black/Yellow,PR	TALON TRAX	5T257	Safety	5T257	PR	1	95.01	0.19	57.44
1186	600	Lightstick,Green,12 hr.,6 In. L,PK10	SNAPLIGHT BY CYALUME TECHNOLOGIES	9-08001B	Safety	8XZM7	PK	10	17.25	0.19	11.88
1187	600	Adhesive Remover,12 oz,Aerosol Spray Can	GOOF OFF	FG658	Cleaning	6XFF6	EA	1	12.55	0.22	5.76
1188	600	Personal Eye Wash Bottle,1 oz.	PHYSICIANSCARE	7-008	Safety	31DJ96	EA	1	5.18	0.19	3.78
1189	600	Heavy Duty Anti-Seize,12.5 oz.,Aerosol	ANTI-SEIZE TECHNOLOGY	18014	Lubrication	23YA37	EA	1	26.68	0.1	13.68
1190	600	Coated Gloves,3/4 Dip,10-1/2",XL,	MCR SAFETY	9673XL	Safety	36H994	PR	1	4.43	0.19	1.84
1191	600	Automotive Cleaner,Liquid,16 oz.,Clear	ARMOR ALL	78513	Fleet and Vehicle Maintenance	458R74	EA	1	9.18	0.08	4.79
1192	600	Paint Grid Wire, 10 In.	WOOSTER	F0001	Paint, Equipment and Supplies	3UW49	EA	1	3.34	0.12	1.91
1193	600	Disposable Respirator,Universal,N100	3M	8233	Safety	4JG03	EA	1	18.95	0.19	9.43
1194	600	CutOff Wheel,GeminiFreeCut,3"x.035"x1/4"	NORTON	66243510627	Abrasives	5A921	EA	1	3.26	0.1	1.49
1195	600	Electrical Box Cover,Blank,4-3/4" W	RACO	832SP	Electrical	3LN26	EA	1	2.72	0.23	1.04
1196	600	Pipe Insulation,ID 1",Wall Thick 1/2"	OWENS CORNING	722609	Plumbing	40PP32	EA	1	13.73	0.2	5.08
1197	600	Abrasive Cut-Off Wheel,Type 41,Grit 36	NORTON	66252841997	Abrasives	436D96	EA	1	4.67	0.1	1.75
1198	600	Cable Tie,7.4 in,Black,PK100	PANDUIT	PLT2S-C0	Electrical	21F275	PK	100	36.72	0.23	23.87
1199	600	Linear Fluorescent Bulb,32W,3500K	SYLVANIA	FO32835XPSECO3	Lighting	56GK14	EA	1	5.56	0.22	3.98
1200	600	Connector,Steel,Trade Size 3/8in	THOMAS & BETTS	300-TB	Electrical	2RER9	EA	1	4.91	0.23	2.06
1201	600	Coated Gloves,Nylon,M,PR	MCR SAFETY	9666M	Safety	33M007	PR	1	2.29	0.19	1.51
1202	600	Disinfecting Wipes,35 ct,Canister,PK12	CLOROX	01594	Cleaning	1AU17	PK	12	99.37	0.22	38.73
1203	600	Carbide Tipped Holesaw,7/16" Hex,1-7/8"	MORSE	MHSTK30	Power Tools	797RF4	EA	1	13.66	0.11	10.94
1204	600	Line Marking Paint,20oz,Fluorescent Blue	RUST-OLEUM	205176	Paint, Equipment and Supplies	10Z861	EA	1	11.73	0.12	4.06
1205	600	Rubber Boot,Men's,9,Knee,Black,PR	HONEYWELL SERVUS	18821/9	Safety	3JZV8	PR	1	31.76	0.19	17.54
1206	600	Marking Paint,20 oz,Asphalt Black	KRYLON INDUSTRIAL	A03550007	Paint, Equipment and Supplies	54TH61	EA	1	13.26	0.12	4.31
1207	600	Filter,Magenta,Threaded,PK2	HONEYWELL NORTH	7580P100B	Safety	3WZK2	PK	2	13.84	0.19	10.09
1208	600	Cut Resistant Gloves,Lgt Gry,9	HYFLEX	11-644	Safety	24L255	PR	1	14.23	0.19	7.74
1209	600	Battery,Lithium,Size 2CR5,6VDC	ENERGIZER	EL2CR5BP	Electronics, Appliances, and Batteries	45EK23	EA	1	18.79	0.19	4.67
1210	600	CutOff Wheel,A60T,5"x.045"x7/8",12200rpm	DEWALT	DW8063	Abrasives	6HD45	EA	1	3.32	0.1	2
1211	600	CFL,27 W,PL-T,4-Pin (GX24q-3)	PHILIPS	PL-T 26W/835/A/4P/ALTO	Lighting	492Z21	EA	1	12.24	0.22	7.16
1212	600	Duct Tape,Gray,1 7/8 in x 60 yd,9 mil	NASHUA	2280	Adhesives, Sealants and Tape	26W990	EA	1	12.81	0.1	4.3
1213	600	Coated Gloves,Nylon,XL,PR	MCR SAFETY	96731HVXL	Safety	48GJ60	PR	1	3.67	0.19	2.12
1214	600	Push Button Assembly,Acorn	ACORN	2566-050-001	Plumbing	2EVZ8	EA	1	53.35	0.2	36.97
1215	600	Industrial De-Icer,Net 16 Oz.	SPRAYWAY	SW758	Fleet and Vehicle Maintenance	45C019	EA	1	12.18	0.08	5.7
1216	600	Anti-Vibration Gloves,XL/10,9",PR	IRONCLAD	WWI2-05-XL	Safety	21AP01	PR	1	26.78	0.19	19.52
1217	600	Plug-In CFL Bulb,13W,800 lm,4100K	SYLVANIA	CF13DS/841/ECO	Lighting	56GK22	EA	1	5	0.22	3.47
1218	600	Emrg Lght,Plst,Nick Cad,1 W,LED	LITHONIA LIGHTING	EU2C LED	Lighting	13M588	EA	1	45.68	0.22	28.37
1219	600	Scouring Pad,4 1/2 in L,Green,PK80	3M	9650	Cleaning	1CJ70	PK	80	87.64	0.22	51.57
1220	600	Fuse,Midget,10A,ATM Series	MERSEN	ATM10	Electrical	4ZCJ2	EA	1	16.36	0.23	6.51
1221	600	Trip Lever,Universal Fit	KISSLER	60-1018	Plumbing	23YV94	EA	1	5.72	0.2	3.41
1222	600	Conduit Clamp,PVC,Overall L 2.188in	CANTEX	5133736	Electrical	4FYT5	EA	1	1.42	0.23	0.5
1223	600	Fly Trap,24" L,2" W	CATCHMASTER	8DF85	Outdoor Equipment	8DF85	EA	1	6.34	0.12	4.12
1224	600	Leather Gloves,XL/10	BDG	30-1-903K-11	Safety	55LC68	PR	1	3.07	0.19	2.24
1225	600	Chemical Resistant Glove,13 mil,Sz 9,PR	ALPHATEC	88-390	Safety	2WLF5	PR	1	1.65	0.19	0.82
1226	600	Sign Post,Silver,Steel,10 ft L	TAPCO	1603-00003	Safety	8LV69	EA	1	90.52	0.19	52.27
1227	600	Nitrile Glove,6.00 mil Palm,L,PK100	KIMBERLY-CLARK	49277	Safety	55LT10	PK	100	48.49	0.19	25.56
1228	600	Fuse,Class RK5,15A,FRN-R Series	BUSSMANN	FRN-R-15	Electrical	1A695	EA	1	12.46	0.23	4.1
1229	600	Metering Cartridge	CHICAGO FAUCETS	671-XJKABNF	Plumbing	2EU68	EA	1	55.71	0.2	34.74
1230	600	Chemical Resistant Glove,15 mil,Sz 9,PR	ALPHATEC	37-155	Safety	4T421	PR	1	3.68	0.19	2.02
1231	600	Reducing Bushing,Iron,Trd Sz 1/2; 3/4in	APPLETON ELECTRIC	RB75-50	Electrical	10U843	EA	1	3.79	0.23	2.11
1232	600	Disposable Gloves,Nitrile,M,PK100	MICROFLEX	N482	Safety	4GXN2	PK	100	28.74	0.19	18.41
1233	600	Glove Clip,1-1/4" x 5-1/2"	PROTO	JPPEGLV	Safety	24AL33	EA	1	10.99	0.19	5
1234	600	Push-In Connector,Gray,0.83",440V	WAGO	221-683	Electrical	798HN8	EA	1	4.81	0.23	3.33
1235	600	Bolt Repair Kit,Universal Fit	KISSLER	68-8140	Plumbing	14U363	EA	1	3.61	0.2	2.25
1236	600	Metal Cut-Off Wheel,4-1/2"x.045"x7/8"	DEWALT	DWA8051	Abrasives	120W81	EA	1	2.21	0.1	1.85
1237	600	Corr Shelf Bin,White,Cardboard,4 3/4 in	PACKAGING CORPORATION OF AMERICA	1W836	Material Handling	1W836	EA	1	1.81	0.15	1.38
1238	600	Connector,Zinc,Trade Size 1/2in	RACO	2692	Electrical	43GY85	EA	1	2.55	0.23	1.58
1239	600	Connector,Steel,Overall L 1 23/32in	RACO	2124	Electrical	43GY60	EA	1	2.05	0.23	0.93
1240	600	Sign Post,Green,Steel,8 ft L	TAPCO	054-00014	Safety	39F187	EA	1	33.12	0.19	15.22
1241	600	Folding Utility Knife,6-7/8" L	MILWAUKEE	48-22-1501	Hand Tools	55ZY63	EA	1	17.75	0.14	13.74
1242	600	Universal Remote Control,Spillproof	CLEAN REMOTE	CR1	Electronics, Appliances, and Batteries	6KJC5	EA	1	19.47	0.19	9.01
1243	600	Instant Adhesive,0.53 fl oz,Bottle	GORILLA	7805002	Adhesives, Sealants and Tape	4GZK6	EA	1	8.78	0.1	4.25
1244	600	Tack Cloth,18 In x 36 In,PK3	DEROYAL	TC3	Paint, Equipment and Supplies	41U063	PK	3	2.2	0.12	0.94
1245	600	Stack and Nest Ctr,Gray,Solid,Polymer	AKRO-MILS	35180GREY	Material Handling	5W062	EA	1	22.4	0.15	10.62
1246	600	Plug-In CFL Bulb,4100K,40W,20,000 hr	CURRENT	F40/30BX/SPX41	Lighting	4VC27	EA	1	20.89	0.22	7.64
1247	600	Emergency Blanket & Pillow Pack	KAMP-RITE TENT COT INC	KRBP102	Safety	4VNG9	EA	1	43.84	0.19	22.85
1248	600	Germicidal Cleaner,Fruity,20 oz	CRC	14430	Cleaning	4JB53	EA	1	16.48	0.22	8.36

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1249	600	Tubing Cutter Wheel For 4CW54/5A193	RIDGID	33160	Hand Tools	4CW63	EA	1	8.51	0.14	5.71
1250	600	CO2 Cartridges,PK12	DIVERSITECH	GGC-12	HVAC and Refrigeration	1GDL8	PK	12	51.86	0.17	22.1
1251	600	HPS Bulb,ED23-1/2,E39,16,000 lm,150W	CURRENT	LU150/55/H/ECO	Lighting	2VAD7	EA	1	26.91	0.22	12.33
1252	600	Rubber Bands,Size 84,3-1/2"x1/2",PK155	UNIVERSAL	UNV00184	UNCATEGORIZED	335H82	PK	155	9.31	0.05	7.96
1253	600	Connector,Nylon	HUBBELL WIRING DEVICE-KELLEMS	SEC50BA	Electrical	2DPE4	EA	1	4.47	0.23	1.95
1254	600	Linear Fluorescent Bulb,54W,5000K	SYLVANIA	FP54/850/HO/ECO	Lighting	56GK65	EA	1	4.25	0.22	3.04
1255	600	Mechanics Gloves,Black,11,PR	MECHANIX WEAR	MG-05-011	Safety	2NPL3	PR	1	33.02	0.19	18
1256	600	Folding Utility Knife,Metal	MILWAUKEE	48-22-1505	Hand Tools	61DE54	EA	1	29.08	0.14	22.51
1257	600	Gasket Sealant,6.5 oz,Translucent	CRC	14055	Adhesives, Sealants and Tape	2YE19	EA	1	52.02	0.1	19.24
1258	600	Silicone Sealant,White,Dynaflex 230	DAP	18275	Adhesives, Sealants and Tape	5A468	EA	1	8.56	0.1	3.94
1259	600	Connector,Steel,Overall L 1 51/64in	RACO	2913RT	Electrical	52AU82	EA	1	3.73	0.23	1.44
1260	600	Marking Paint,20 oz,Caution Blue	RUST-OLEUM	264694	Paint, Equipment and Supplies	21CJ71	EA	1	11.01	0.12	3.85
1261	600	Drill/Tap Set,6pc,UNC	GREENLEE	DTAPKIT	Machining	4GB12	EA	1	68.55	0.07	34.72
1262	600	Masking Tape,15/16" W,60 yd L,Tan	SHURTAPE	CP 106	Adhesives, Sealants and Tape	24K260	EA	1	3.53	0.1	1.85
1263	600	Paint Brush,1/2 in,Chip,China Hair,Soft	PREMIER	WV05	Paint, Equipment and Supplies	52CN23	EA	1	0.52	0.12	0.38
1264	600	Rust Preventative Spray Paint,White	RUST-OLEUM	7592838	Paint, Equipment and Supplies	490T16	EA	1	18.53	0.12	6.21
1265	600	Chemical Resistant Glove,11 mil,Sz 11,PR	ALPHATEC	37-145	Safety	3AP82	PR	1	2.98	0.19	1.34
1266	600	Disposable Gloves,Rubber Latex,L,PK50	MICROFLEX	UL-315-L	Safety	2TEL5	PK	50	25.37	0.19	15.4
1267	600	Surgical Mask 3PLY Level 1,PK50	ALTOR SAFETY	62212	Safety	785EH9	PK	50	12.01	0.19	8.76
1268	600	Battery,Alkaline,Size A23,12VDC,PK2	ENERGIZER	A23BPZ-2	Electronics, Appliances, and Batteries	45EK03	PK	2	5.66	0.19	2.44
1269	600	Insect Repellent,6 oz.,Aerosol	CUTTER	HG-96280	Outdoor Equipment	36WG47	EA	1	13.26	0.12	5.22
1270	600	Incandescent Bulb,A15,100 lm,15W	CURRENT	15A/W -120V	Lighting	1CWY4	PK	2	2.08	0.22	1.27
1271	600	Electrical Box,Square,4 X 1-1/2 in.	RACO	189	Electrical	6XC65	EA	1	4.44	0.23	1.58
1272	600	Condenser Cleaner,Liquid,1 gal,Blue	NU-CALGON	4291-08	HVAC and Refrigeration	1ANG9	EA	1	47.56	0.17	20.79
1273	600	Car Wash Brush,10" L,Yellow	CARRAND	93086	Fleet and Vehicle Maintenance	39R408	EA	1	23.56	0.08	11.37
1274	600	Linear LED Bulb,T8,47-3/4" L,G13,3500K	PHILIPS	14T8/COR/48-835/IF20/G/DIM 10/1	Lighting	406T67	EA	1	12.03	0.22	8.44
1275	600	Disposable Respirator,White,PK20	HONEYWELL	DC300N95	Safety	56LA92	PK	20	14.73	0.19	11.93
1276	600	Adapter,Wrot Copper,3/4" Tube,CxMNPT	NIBCO	604 3/4	Plumbing	1VLW1	EA	1	4.84	0.2	3.31
1277	600	Connector,Steel,Overall L 1 37/64in	RACO	2902RT	Electrical	52AU55	EA	1	2.54	0.23	1.02
1278	600	Angle Broom,38 in Handle L,11 in Face	RUBBERMAID COMMERCIAL PRODUCTS	FG637500GRAY	Cleaning	5M896	EA	1	25.26	0.22	7.27
1279	600	Spray Bottle,32 oz,9 3/8"H,White	IMPACT	5032AB-90	Cleaning	39FD08	EA	1	2.33	0.22	1.22
1280	600	Janitor Cart,38 in H,32 gal Cap.	RUBBERMAID COMMERCIAL PRODUCTS	FG617388BLA	Cleaning	5M880	EA	1	334.29	0.22	116.8
1281	600	Silicone Sealant,Clear,Advanced Silicone	GE	2812562	Adhesives, Sealants and Tape	3LA48	EA	1	17.52	0.1	6.7
1282	600	Rust Preventative Spray Paint,Black,15oz	RUST-OLEUM	V2177838	Paint, Equipment and Supplies	4CH75	EA	1	15.38	0.12	5.94
1283	600	Hand Soap,GRN,1,200 mL,Aloe,42715,PK2	GEORGIA-PACIFIC	42715	Cleaning	53JU94	PK	2	114.74	0.22	44.25
1284	600	Pipe Insulation,ID 3/4",Wall Thick 1/2"	OWENS CORNING	722597	Plumbing	40PP22	EA	1	12.96	0.2	4.75
1285	600	Fuse,Class K5,20A,NON Series	BUSSMANN	NON-20	Electrical	4XF91	EA	1	3.69	0.23	2.02
1286	600	Inverted Striping Paint,18 oz,Yellow	RUST-OLEUM	2348838V	Paint, Equipment and Supplies	784GN4	EA	1	15.75	0.12	12.76
1287	600	Multi-Band,Lime,Polyester,Universal	CHILL-ITS BY ERGODYNE	6485	Safety	5JDY6	EA	1	14.39	0.19	10.92
1288	600	Pipe Insulation,ID 2",Wall Thick 1"	OWENS CORNING	722586	Plumbing	4LFD5	EA	1	17.43	0.2	9.99
1289	600	Spray Paint,Black,Gloss,12 oz	RUST-OLEUM	1679830V	Paint, Equipment and Supplies	783AE9	EA	1	12.89	0.12	8.51
1290	600	Linear Fluorescent Bulb,30W,4200K	SYLVANIA	F30T8/CW	Lighting	56GJ99	EA	1	3.78	0.22	2.95
1291	600	Coated Gloves,Palm and Fingers,2XL	HYFLEX	48-101	Safety	2RA99	PR	1	3.02	0.19	1.62
1292	600	Bandage,Beige,Fabric,Box,3 In L,PK8	FIRST AID ONLY	1-009	Safety	39N883	PK	8	2.11	0.19	1.12
1293	600	Recip Saw Blade Set, Blade L 6 in.,9 in.	MILWAUKEE	49-22-1129	Power Tools	2VJ50	EA	1	34.25	0.11	25.66
1294	600	8.5 W,PL Horizontal,4-Pin (G24q/GX24)	PHILIPS	8.5PL-C/T LED/26H-4000 IF 4P 10/1	Lighting	44ZA57	EA	1	21	0.22	12.64
1295	600	Coated Gloves,Nylon,XL,PR	MCR SAFETY	9666XL	Safety	33M009	PR	1	2.29	0.19	1.51
1296	600	Chemical Resistant Glove,13 mil,Sz 7,PR	ALPHATEC	88-390	Safety	2WLF3	PR	1	1.65	0.19	0.82
1297	600	Label Cartridge,Black/Yellow,3/4 In. W	BRADY	M21-750-595-YL	Safety	3PXX9	EA	1	55.12	0.19	25.47
1298	600	90 Elbow,Push To Connect,1/2 In.	SHARKBITE	U308LF	Pipe, Hose, Tube & Fittings	19F879	EA	1	13.34	0.2	5
1299	600	CutOff Wheel,A60T,4"x.045"x5/8",19000rpm	DEWALT	DW8061	Abrasives	6HD43	EA	1	2.24	0.1	0.74
1300	600	Fuse Holder,0 to 30A,Midget,1 Pole	BUSSMANN	HEB-AA	Electrical	1BW56	EA	1	56.84	0.23	13.79
1301	600	Disposable Gloves,Rubber Latex,S,PK100	MICROFLEX	MF-300-S	Safety	2TEK4	PK	100	25.76	0.19	15.46
1302	600	LED,9 W,BR25,4-Pin (G24q-3)	CURRENT	LED9G24Q-V/840	Lighting	460U52	EA	1	21.07	0.22	7.77
1303	600	Folding Pocket Utility Knife,4 1/4 In	STANLEY	10-049	Hand Tools	5R669	EA	1	10.33	0.14	6.71
1304	600	Hang and Stack Bin,Blue,Plastic,5 in	AKRO-MILS	30235BLUE	Material Handling	5W867	EA	1	15.51	0.15	3.94
1305	600	Cut Res Gloves,Nitrile,Gray/Green,L	SHOWA	350L-09	Safety	12R281	PR	1	5.13	0.19	2.64
1306	600	CO2 Smoke Alarm,3V,Alkaline	KIDDE	P3010K-CO	Safety	20JK11	EA	1	101.95	0.19	49.53
1307	600	Joint Sealant,WeatherMaster,10 oz	TITEBOND	3191	Adhesives, Sealants and Tape	2GXU1	EA	1	9.57	0.1	6.29
1308	600	Flagging Tape,White/Blk,300ft x 1-3/8In	PRESCO PRODUCTS CO	SWBK-200	Security	3JWD2	EA	1	3.09	0.15	2.37
1309	600	Ear Plugs,Corded,Bell,33dB,PK100	HONEYWELL HOWARD LEIGHT	MAX-30	Safety	5FV17	PK	100	50.2	0.19	29.1
1310	600	Mechanics Gloves,Black,9,PR	MECHANIX WEAR	MG-05-009	Safety	2NPL1	PR	1	33.02	0.19	18
1311	600	LED,9.9 W,T8,Medium Bi-Pin (G13)	PHILIPS	9.9T8/COR/48-840/MF16/G 10/1	Lighting	60WT60	EA	1	16.73	0.22	4.94
1312	600	First Aid Kit,Bulk,Green,34 Pcs	FIRST AID ONLY	10097	Safety	6XMZ8	EA	1	11.67	0.19	9.45
1313	600	Battery,6V,Alkaline Dantona Electro	DANTONA	DL-40	Electronics, Appliances, and Batteries	667W92	EA	1	12.83	0.19	8.78
1314	600	Seat,PK10	KISSLER	AB55-0652/10	Plumbing	29FJ47	PK	10	11.33	0.2	8.15
1315	600	9 wt oz.,Aerosol,Lubricant	CRC	05005	Lubrication	12W319	EA	1	9.41	0.1	5
1316	600	Cement,Box,5 lb	ROCKITE	10005	Adhesives, Sealants and Tape	6Z173	EA	1	11.89	0.1	3.88
1317	600	Abrasive Cut-Off Wheel,4-1/2" dia.	3M	87465	Abrasives	450Y23	EA	1	4.08	0.1	2.49
1318	600	Coupling,Steel,Overall L 2 1/16in	BELL	2922RT	Electrical	35U190	EA	1	2.35	0.23	0.99
1319	600	Tee,Polyalloy,1/2" x 1/2" x 1/2" Pipe	ZURN PEX	QQPT333X	Plumbing	10A567	EA	1	1.75	0.2	0.98
1320	600	Conduit Clamp,Steel,Overall L 2.836in	RACO	2233	Electrical	206G26	EA	1	0.23	0.23	0.16
1321	500	Hand Soap,ORG,2,000 mL,Fresh Fruit,PK2	GOJO	5262-02	Cleaning	3CB50	PK	2	129.12	0.22	44.83
1322	500	Medium-Strength Threadlocker,0.338 fl oz	LOCTITE	1329837	Adhesives, Sealants and Tape	5HYH7	EA	1	24.01	0.1	13.49
1323	500	Control Stop Repair Kit,Sloan	SLOAN	H541AWH	Plumbing	2VEE1	EA	1	22.97	0.2	13.31
1324	500	Pipe Insulation,ID 2-1/8",Wall Thick 1/2	OWENS CORNING	722602	Plumbing	40PP18	EA	1	17.95	0.2	6.45
1325	500	Multipurpose Grease,Cartridge,13 oz	MOBIL	121952	Lubrication	5ZN11	EA	1	20.95	0.1	9.11
1326	500	LED,5 W,PAR20,Medium Screw (E26)	FEIT ELECTRIC	PAR20DM/950CA	Lighting	56JH74	EA	1	5.92	0.22	4.16

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1327	500	Paint Solidifier,Clear,3.5 oz	HOMAX	3535	Paint, Equipment and Supplies	2AJN4	EA	1	4.86	0.12	2.2
1328	500	ABD Pad,9" L,5" W,White	HONEYWELL	065590	Safety	52LC46	EA	1	1.19	0.19	0.42
1329	500	Toilet Seat Cover,5000,White,PK20	HOSPECO	DS-5000	Cleaning	20LE14	PK	20	69.64	0.22	45.28
1330	500	Sanitizer Wipes,Bucket,6 x 6-3/4"	PURELL	9113-06	Cleaning	12H935	EA	1	24.99	0.22	11.31
1331	500	Fuse,Class RK5,20A,FRN-R Series	BUSSMANN	FRN-R-20	Electrical	1A696	EA	1	12.45	0.23	4.52
1332	500	Safety Glasses,Silver Mirror	RADIANS	MR0160ID	Safety	6XKD7	EA	1	1.99	0.19	1.18
1333	500	Hex Shank Drill Set,23pc,HSS	MILWAUKEE	48-89-4631	Power Tools	45KM96	EA	1	59.96	0.11	36.34
1334	500	Rain Suit w/Jacket/Bib,Unrated,Yellow,XL	TINGLEY	S61317	Safety	8RDH9	EA	1	16.27	0.19	8.96
1335	500	Line Marking Paint,20 oz,Fluorescent Red	RUST-OLEUM	1862838	Paint, Equipment and Supplies	6YH18	EA	1	10.45	0.12	3.82
1336	500	Primer,Purple,32 Oz,PVC and CPVC	WELD-ON	13994	Adhesives, Sealants and Tape	6KWU6	EA	1	32.15	0.1	21.82
1337	500	Natural Odor Eliminator,8 oz,Jar	FRESHWAVE IAQ	545	Cleaning	39F969	EA	1	11.61	0.22	6.47
1338	500	Line Marking Paint,20 oz,Black	RUST-OLEUM	1875838	Paint, Equipment and Supplies	10Z860	EA	1	11.73	0.12	4.06
1339	500	VF,Cut Res Gloves,Gry,9,24L255,PR	HYFLEX	11-644V	Safety	33GY85	PR	1	13.99	0.19	6.2
1340	500	Glass Clnr,Spray Can,20oz,HydroForce	CRC	14412	Cleaning	5YL03	EA	1	9.48	0.22	4.19
1341	500	Electrical Box,Handy,13.0 cu. in.	RACO	660	Electrical	4A238	EA	1	4.34	0.23	1.7
1342	500	Rust Preventative Spray Paint,Safety Red	RUST-OLEUM	7564838	Paint, Equipment and Supplies	490T08	EA	1	18.53	0.12	6.21
1343	500	Marking Paint,Nt Wgt17oz,Flscnt Hot Pink	KRYLON INDUSTRIAL	A03622007	Paint, Equipment and Supplies	54TH46	EA	1	13.26	0.12	4.31
1344	500	Plug-In CFL Bulb,3500K,26W,10,000 hr	CURRENT	F26DBX/835/ECO	Lighting	1PGY2	EA	1	11.59	0.22	5
1345	500	Coated Gloves,3/4 Dip,10-3/4",L	MCR SAFETY	96781L	Safety	49DC27	PR	1	5.29	0.19	2.23
1346	500	Precision Line Marking Paint,20oz,Silver	RUST-OLEUM	239007	Paint, Equipment and Supplies	2GXC4	EA	1	12.43	0.12	4.21
1347	500	Sports Drink Mix,Glacier Freeze,PK10	GATORADE	04457	Safety	61KG08	PK	10	11.39	0.19	8.31
1348	500	Plug-In CFL Bulb,40W,3150 lm,3500K	SYLVANIA	FT40DL/835/RS/ECO	Lighting	56GK90	EA	1	6.31	0.22	4.52
1349	500	Loose Absorbent,Cellulose,Kaolin	PIG	PLP213-1	Safety	30RC93	EA	1	33.39	0.19	15.31
1350	500	Disposable Gloves,Nitrile,2XL,PK100	MICROFLEX	BD-1005-NPF-XXL	Safety	35T204	PK	100	16.58	0.19	12.22
1351	500	ADA Handle,Sloan	SLOAN	B73A	Plumbing	5E544	EA	1	31.91	0.2	15.38
1352	500	Spot-Free Stainless Steel	CLR	G-CSS-12	Cleaning	61LV33	EA	1	14.81	0.22	10.4
1353	500	Elec Tape,66 ft Lx3/4 in W,7 mil,Orange	3M	10869	Adhesives, Sealants and Tape	3A184	EA	1	13.42	0.1	7.15
1354	500	Cap,Wrot Copper,1/2" Tube,C	NIBCO	U617 1/2	Plumbing	5P121	EA	1	0.97	0.2	0.58
1355	500	Precision Line Marking Paint,20 oz,Black	RUST-OLEUM	1675838V	Paint, Equipment and Supplies	783AE7	EA	1	12.49	0.12	4.09
1356	500	Coated Gloves,Cotton/Polyester,XL,PR	MCR SAFETY	9688VXL	Safety	2ELL1	PR	1	7.65	0.19	4
1357	500	Ear Muffs,Over-the-Head,NRR 30dB	3M PELTOR	H10A	Safety	1C139	EA	1	57.16	0.19	30.99
1358	500	Slip Joint Coupling,Sloan,PK2	SLOAN	F2AA	Plumbing	2VEA4	PK	2	13.95	0.2	8.51
1359	500	Fly Trap,25 In. L,1-1/2 In. W,PK4	CATCHMASTER	9144M4	Outdoor Equipment	5YAY4	PK	4	1.63	0.12	1.32
1360	500	Disposable Gloves,Latex,Natural,L,PK100	TOUCHNTUFF	69-210	Safety	60XM84	PK	100	18.45	0.19	12.67
1361	500	Rust Preventative Spray Paint,Alkyd Base	RUST-OLEUM	7538838	Paint, Equipment and Supplies	490T04	EA	1	18.53	0.12	6.21
1362	500	Battery,Lithium,Size 123,3VDC,PK2	STREAMLIGHT	85175	Electronics, Appliances, and Batteries	2VEW1	PK	2	10.14	0.19	4.46
1363	500	Coated Gloves,3/4 Dip,9-1/2",M,	MCR SAFETY	9673M	Safety	36H992	PR	1	4.43	0.19	1.84
1364	500	Screwdriver Set, NmPcs8	KLEIN TOOLS	85078	Hand Tools	2DGP6	EA	1	100.48	0.14	60.29
1365	500	Sign Post,Green,Steel,6 ft L	TAPCO	054-00013	Safety	39F186	EA	1	18.34	0.19	10.48
1366	500	Combination Padlock,2 in,Round,Silver	MASTER LOCK	1525BLU	Security	483N13	EA	1	13.19	0.15	8.6
1367	500	Duct Tape,Black,9.1 m Tape L	GORILLA	105631	Adhesives, Sealants and Tape	787ER3	EA	1	10.26	0.1	8.59
1368	500	Terminal Block Jumper,Copper,Plastic,Red	SCHNEIDER ELECTRIC	NSYTRAL22	Electrical	23NY19	EA	1	1.16	0.23	0.67
1369	500	Disinfectant,Lemon,1 gal,PK4	ZEP	434424	Cleaning	451C69	PK	4	191.86	0.22	80
1370	500	2.5 oz.,Aerosol,Lock Dry Lubricant	3-IN-ONE	120077	Lubrication	39EL86	EA	1	8.6	0.1	4.25
1371	500	Pipe Insulation,ID 1/2",Wall Thick 1/2"	OWENS CORNING	722579	Plumbing	45FM38	EA	1	11.66	0.2	4.51
1372	500	Lubricant/Corrosion Inhibitor,11.75 oz.	FLUID FILM	AS 11	Paint, Equipment and Supplies	10N783	EA	1	15.52	0.12	7.29
1373	500	Grease,Tacky,EP,14.1 oz,Red	VALVOLINE	VV7012410	Fleet and Vehicle Maintenance	4NPU4	EA	1	9.39	0.08	4.18
1374	500	90 Elbow, Cast Iron, 1 1/2 in, FNPT	ANVIL	0300001401	Plumbing	4KUK2	EA	1	16.91	0.2	10
1375	500	FLUOR Ballast,Electronic,Instant,49W	CURRENT	GE232MAXP-L-ULTRA	Lighting	2VEW7	EA	1	23.24	0.22	13.66
1376	500	Push-In Connector,Gray,0.73",440V	WAGO	221-482	Electrical	798HN4	EA	1	2.38	0.23	1.65
1377	500	Combination Padlock,1 1/2 in,Rectangle	MASTER LOCK	175LHSS	Security	5JKW8	EA	1	36.14	0.15	21.99
1378	500	Disposable Gloves,Rubber Latex,L,PK100	MICROFLEX	EV-2050-L	Safety	2TEL3	PK	100	23.39	0.19	14.67
1379	500	Safety Glasses,Clear,Uncoated	HONEYWELL UVEX	S301CS	Safety	6T361	EA	1	4.18	0.19	1.87
1380	500	Coated Gloves,Nylon,2XL,PR	MCR SAFETY	9669XXL	Safety	21NM55	PR	1	2.19	0.19	1.42
1381	500	Tape Measure,Steel,Yellow/Black,25 ft.	STANLEY	STHT30825	Hand Tools	20JY23	EA	1	21.64	0.14	8.4
1382	500	Linear LED Bulb,T8,24"L,2-Pin(G13),3500K	CURRENT	LED9BDT8/G2/835	Lighting	55GU01	EA	1	16.59	0.22	11.65
1383	500	Ice Scraper,6 in. L,Plastic Grip,Black	SUBZERO	16211	Fleet and Vehicle Maintenance	49LX32	EA	1	3.46	0.08	2.25
1384	500	Knockout Plug,Conduit Size 1"	RACO	1044	Electrical	52AW73	EA	1	1.79	0.23	0.71
1385	500	Chemical Resistant Glove,13 mil,Sz 10,PR	ALPHATEC	88-390	Safety	2WLF6	PR	1	1.65	0.19	0.82
1386	500	HPS Bulb,ED17,E26,6400 lm,70W	CURRENT	LU70/MED/ECO	Lighting	2V632	EA	1	27.77	0.22	12.64
1387	500	Electrical Box Cover,Square,4 in.	RACO	902C	Electrical	5AA31	EA	1	4.35	0.23	1.49
1388	500	Valve Rebuild Kit	AMERICAN STANDARD	066298-0070A	Plumbing	4THK2	EA	1	53.12	0.2	32.46
1389	500	Plug-In CFL Bulb,3500K,26W,17,000 hr	CURRENT	F26TBX/835/A/ECO	Lighting	1PGZ9	EA	1	24.05	0.22	7.2
1390	500	Plug-In CFL Bulb,4100K,26W,17,000 hr	CURRENT	F26TBX/841/A/ECO	Lighting	1PHA1	EA	1	16.51	0.22	7.97
1391	500	Control Stop Repair Kit,Sloan	SLOAN	H1006A	Plumbing	5XTH3	EA	1	24.98	0.2	14.41
1392	500	Filler Plate,Flush,1.90inW	SQUARE D	QOFP	Electrical	1D443	EA	1	5.32	0.23	2.47
1393	500	Mobilgrease FM 222, Cartridge,14oz	MOBIL	121956	Lubrication	2RV34	EA	1	14.17	0.1	6.66
1394	500	Linear Fluorescent Bulb,14W,4100K	SYLVANIA	FP14/841/ECO	Lighting	56GK54	EA	1	4.25	0.22	3.04
1395	500	Face Mask,Black,Universal	MAXIT	101919409	Safety	1GUF7	EA	1	15.56	0.19	6
1396	500	Spray Paint ,Light Gray,12 oz.	RUST-OLEUM	214645	Paint, Equipment and Supplies	2RE51	EA	1	11.73	0.12	5.22
1397	500	Funnel,9In.X1-1/8In.,Yellow	EAGLE	F15FUN	Safety	6X853	EA	1	11.98	0.19	7.06
1398	500	Hand Cleaner,,GY,1 gal,Citrus	GOJO	0955-02	Cleaning	782KZ7	EA	1	43.38	0.22	26.07
1399	500	Weatherproof Box,1Gang,3Inlet, Alum	BELL	5320-0	Electrical	3KG83	EA	1	6.58	0.23	3.64
1400	500	Disinfectant Spray,Original,19 oz,PK12	LYSOL	REC 04650	Cleaning	3WU88	PK	12	196.46	0.22	85.81
1401	500	Diaphragm Assembly,Manual,Urinals,0.5GPF	SLOAN	A43A	Plumbing	2VED6	EA	1	35.42	0.2	22.57
1402	500	Marking Paint,20oz,Fluorescent RedOrange	RUST-OLEUM	264699	Paint, Equipment and Supplies	21CJ74	EA	1	11.01	0.12	3.85
1403	500	Hand Soap,Amber,1,250 mL,Fresh Fruit,PK4	GOJO	5162-04	Cleaning	56JM28	PK	4	136.04	0.22	60.3
1404	500	Paper Towel Roll,1150,Brown,26495,PK6	GEORGIA-PACIFIC	26495	Cleaning	52RW78	PK	6	169.89	0.22	85

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1405	500	Banded Ear Plugs,Bell,25dB	MOLDEX	6506	Safety	3EAU4	EA	1	12.23	0.19	5.86
1406	500	Shelf Bin,Blue,Polypropylene,4 in	QUANTUM STORAGE SYSTEMS	QSB102BL	Material Handling	9W264	EA	1	5.43	0.15	2.84
1407	500	Coated Gloves,Black/Gray,L	SHOWA	300BL-09	Safety	3NGX7	PR	1	4.81	0.19	2.27
1408	500	Disp Glv,Blue,Nitrile,Exam PF,M,PK250	MICROFLEX	XC-310	Safety	794H50	PK	250	30.65	0.19	22.35
1409	500	Exam Glove,Nitrile,Full Texture,L,PK100	MICROFLEX	N85	Safety	795WN9	PK	100	16.43	0.19	11.42
1410	500	Spring Snap,HD,Steel,L 2 In	LUCKY LINE PRODUCTS	4FCE2	Hardware	4FCE2	EA	1	1.31	0.05	0.78
1411	500	Multipurpose Grease,Cartridge,14oz	JET-LUBE	31750	Lubrication	26W737	EA	1	27.97	0.1	9.38
1412	500	11 oz.,Aerosol,Lubricant	BLASTER	16-SL	Lubrication	16W546	EA	1	9.03	0.1	4.39
1413	500	Visor with Neck Shade,Polyester,Lime	CHILL-ITS BY ERGODYNE	6660	Safety	19TZ64	EA	1	18.11	0.19	7.33
1414	500	Chem Res Gloves,Size 10,PR	ALPHATEC	87-224	Safety	2RA60	PR	1	3.61	0.19	2.29
1415	500	Paper Towel Roll,85,White,27385,PK30	GEORGIA-PACIFIC	27385	Cleaning	5ERE2	PK	30	83.24	0.22	37.12
1416	500	Eyewash Spray Head,1/4" NPT,GS	GUARDIAN EQUIPMENT	AP470-001	Safety	2LVE9	EA	1	23.74	0.19	15.43
1417	500	Hang and Stack Bin,Blue,PP,5 in	QUANTUM STORAGE SYSTEMS	QUS234BL	Material Handling	9DUX5	EA	1	11.26	0.15	5.84
1418	500	ConstructionAdhesive,10.5fl oz,Cartridge	TITEBOND	3401	Adhesives, Sealants and Tape	1FCB8	EA	1	5.05	0.1	3.28
1419	500	Solenoid Assembly,Sloan	SLOAN	EBV136A	Plumbing	2XU20	EA	1	52.73	0.2	28.7
1420	500	Filter,Magenta,Bayonet,PK2	3M	2097	Safety	4JG29	PK	2	21.96	0.19	10.82
1421	500	Marking Paint,20 oz,Fluorescent Orange	KRYLON INDUSTRIAL	A03700004	Paint, Equipment and Supplies	38EL41	EA	1	11.58	0.12	3.76
1422	500	Cut-Off Wheel,Ceramic,7/8" Arbor Hole	DEWALT	DWA8957F	Abrasives	49ZZ85	EA	1	4.2	0.1	2.95
1423	500	Surface-Conditioning Disc,2 in Dia,TR	SCOTCH-BRITE	7000000751	Abrasives	4ZR34	EA	1	2.53	0.1	1.64
1424	500	Disposable Gloves,Nitrile,XL,PK100	MCR SAFETY	6016OXL	Safety	415M90	PK	100	36.84	0.19	18.87
1425	500	Tongue and Groove Plier,9-1/2" L	CHANNELLOCK	422	Hand Tools	4CR38	EA	1	23.69	0.14	14.78
1426	500	Padlock Tag,Each	BRADY	105722	Safety	3PDD6	EA	1	4.27	0.19	2.26
1427	500	Trigger Spray Bottle,16oz,10 3/8"H,Clear	IMPACT	5016/5816DZ-91	Cleaning	39FC97	EA	1	5.36	0.22	2.53
1428	500	OneHoleLugCmprsnConn,STD,Blue,374/7	BURNDY	YA6CL1BOX	Electrical	22C297	EA	1	5.31	0.23	2.18
1429	500	Hang and Stack Bin,Yellow,PP,7 in	QUANTUM STORAGE SYSTEMS	QUS240YL	Material Handling	8X103	EA	1	17.98	0.15	9.78
1430	500	While In Use Weatherproof Cover,4 In. W	TAYMAC	MM410C	Electrical	38R657	EA	1	16.59	0.23	5.64
1431	500	Battery,Alkaline,AA,Premium,PK4	DURACELL	MN1500B4Z	Electronics, Appliances, and Batteries	3WA11	PK	4	7.23	0.19	3.33
1432	500	GenPurp Headlamp,Plastic,Black;Red,450lm	MILWAUKEE	2104	Lighting	55JC13	EA	1	71.04	0.22	49.87
1433	500	Hand Sanitizer,Bottle,Liquid,PK24	PURELL	9651-24	Cleaning	20W448	PK	24	105.19	0.22	41.18
1434	500	US Flag,4x6 Ft,Nylon	NYLGLO	2140	Office Supplies	3JN77	EA	1	73.86	0.05	38.58
1435	500	Construction Adhesive,10 fl oz,Cartridge	LIQUID NAILS	LN-704	Adhesives, Sealants and Tape	444D81	EA	1	5.61	0.1	2.95
1436	500	Bulb Recycling Box,48"Lx8-1/2"Wx8-1/2"D	SUPPLYPAK	Supply-280	Lighting	48TJ51	EA	1	7.29	0.22	3.46
1437	500	Paper Towel Roll,800,White,26601,PK6	GEORGIA-PACIFIC	26601	Cleaning	4ECN3	PK	6	100.94	0.22	45.88
1438	500	Nitrile Gloves,XL,PK100	MECHANIX WEAR	D13-05-011-100	Safety	60NP52	PK	100	44.58	0.19	31.09
1439	500	Combination Cartridge/Filter,Bayonet,PK2	3M	60923	Safety	4JG12	PK	2	47.03	0.19	24.8
1440	500	Fuse,Class RK5,15A,FRS-R Series	BUSSMANN	FRS-R-15	Electrical	1A703	EA	1	26.62	0.23	9.09
1441	500	Masking Tape,1 7/8" W,60 yd L,Tan	SHURTAPE	CP 83	Adhesives, Sealants and Tape	22XN45	EA	1	7.57	0.1	3.56
1442	500	Windshield Washer,16 oz.,Plastic Bottle	GUNK	M516	Fleet and Vehicle Maintenance	54YK28	EA	1	7.69	0.08	5.36
1443	500	Spud,American Standard	AMERICAN STANDARD	047007-0070A	Plumbing	4THJ7	EA	1	24.63	0.2	13.53
1444	500	Coated Gloves,Nitrile,Black/Gray,8	HYFLEX	11-840	Safety	20KJ46	PR	1	6.49	0.19	3.89
1445	500	Coupling,Steel,Overall L 2 13/64in	RACO	2923	Electrical	52AU62	EA	1	1.87	0.23	0.84
1446	500	Stripping Pad,20 In,Black,PK5	3M	7200	Cleaning	3U074	PK	5	91.75	0.22	39.87
1447	500	Disposable Gloves,Nitrile,M,PK100	SHOWA	6112PFM	Safety	160F59	PK	100	18.72	0.19	8.54
1448	500	Linear LED Bulb,T8,48" L,G13,5000K	CURRENT	LED15ET8/G/4/850	Lighting	48PY03	EA	1	18.49	0.22	9.1
1449	500	15.5 W,T8,Medium Bi-Pin (G13)	PHILIPS	F15T8/CW 25PK	Lighting	492X80	EA	1	8.17	0.22	5.16
1450	500	8.5 W,PL Horizontal,4-Pin (G24q/GX24)	PHILIPS	8.5PL-C/T LED/26H-3500 IF 4P 10/1	Lighting	44ZA60	EA	1	22.09	0.22	8.93
1451	500	MVP Actuator And Cartridge	CHICAGO FAUCETS	667-080KJKABNF	Plumbing	2HXY2	EA	1	85.17	0.2	46.13
1452	500	Safety Glasses,Gray	PYRAMEX	SB5620D	Safety	23Y588	EA	1	6.49	0.19	2.78
1453	500	Connector,Steel,Overall L 1in	RACO	2902	Electrical	43GX80	EA	1	1.47	0.23	0.62
1454	500	Ear Plugs,Corded,Contoured-T,32dB,PK100	HONEYWELL HOWARD LEIGHT	LL-30	Safety	6XF60	PK	100	46.21	0.19	20.95
1455	500	Filter Element,Paper,1.37" Ht,4" OD	SOLBERG	10	Pneumatics	4FY38	EA	1	11.99	0.11	5.51
1456	500	Half Mask Respirator,Elastomer,Gray	3M	6200	Safety	6AD97	EA	1	25.23	0.19	13.65
1457	500	Nitrile Gloves,L,PK100	MECHANIX WEAR	D13-05-010-100	Safety	60NP51	PK	100	44.58	0.19	31.09
1458	500	CutOff Wheel,A60S,4-1/2"x.045"x7/8"	UNITED ABRASIVES-SAIT	23101	Abrasives	1ATZ3	EA	1	4	0.1	1.65
1459	500	Linear LED Bulb,T8,47-3/4" L,G13,4000K	PHILIPS	13T8/MAS/48-840/IF21/P/DIM 10/1	Lighting	406T76	EA	1	21.16	0.22	13.98
1460	500	LED,12 W,T8,Medium Bi-Pin (G13)	PHILIPS	12T8/COR/48-840/MF18/G 10/1	Lighting	60WT53	EA	1	17.44	0.22	4.7
1461	500	Handheld Flashlight,Plastic,Yellow,150lm	RAILHEAD GEAR	KE-FL40	Lighting	39F126	EA	1	14.4	0.22	7.76
1462	500	Cut Resist Gloves,Light Gray,11	HYFLEX	11-644	Safety	24L257	PR	1	14.23	0.19	7.74
1463	500	Abrasive Cut-Off Wheel,4-1/2" dia.	3M	87466	Abrasives	450Y24	EA	1	5.05	0.1	2.29
1464	500	Door Stop,Wall Mount,SS,Silver	ROCKWOOD	406 US32D	Hardware	457D34	EA	1	4.78	0.05	2.86
1465	500	CutOff Wheel,A60TX,4-1/2"x.045"x7/8"	METABO	655997000	Abrasives	20PH31	EA	1	3.54	0.1	1.65
1466	500	Automotive Fuse,20A,Blade,ATC Series	BUSSMANN	ATC-20	Electrical	1BZ35	EA	1	1.81	0.23	0.67
1467	500	Double Eye Wash Station 32 oz.	HONEYWELL	32-000462-0000-H5	Safety	3ARD8	EA	1	79.56	0.19	51.71
1468	500	StgeTote,DkIndigoMetallic,Solid,Lin LDPE	RUBBERMAID	RMRT180000	Material Handling	60VZ20	EA	1	31.54	0.15	21.71
1469	500	Stretch Wrap,Blown,Standard Duty	GOODWRAPPERS	15A846	Material Handling	15A846	EA	1	31.59	0.15	13.85
1470	500	Coated Gloves,Palm and Fingers,L,10",PR	MCR SAFETY	N9690L	Safety	4KWZ8	PR	1	13.13	0.19	6.72
1471	500	Spiral Band, 1 in Dia, 1 in W, 50 Grit	MERIT	08834193747	Abrasives	3DU73	EA	1	0.53	0.1	0.44
1472	500	Spray Paint,Equipment Yellow,15 oz.	RUST-OLEUM	V2148838	Paint, Equipment and Supplies	2FP65	EA	1	15.38	0.12	5.94
1473	500	Car Wash Liquid,100 oz. Container Size	RAINX	5072084	Fleet and Vehicle Maintenance	465D23	EA	1	15.31	0.08	6.48
1474	500	Hang and Stack Bin,Blue,Plastic,5 in	AKRO-MILS	30234BLUE	Material Handling	4TJ76	EA	1	16.34	0.15	4.92
1475	500	Mounting Strap,Ivory,Steel,Straps	LEGRAND	V704	Electrical	3YY52	EA	1	1.11	0.23	0.57
1476	500	Cable Hanger,Steel,Overall L 1.13in	RACO	2053TH	Electrical	55YF20	EA	1	1.08	0.23	0.69
1477	500	Connector,Steel,Overall L 1 15/32in	RACO	2003	Electrical	52AU61	EA	1	0.91	0.23	0.49
1478	500	Safety Glasses,Clear	HONEYWELL UVEX	S3200	Safety	6XF72	EA	1	18.2	0.19	7.46
1479	500	Multipurpose Grease,Cartridge,14oz	MOBIL	122129	Lubrication	4ZF48	EA	1	23.4	0.1	9.13
1480	500	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	USE-880-L	Safety	3NEX8	PK	100	20.57	0.19	15.33
1481	500	Scouring Pad,9 in L,Green,PK20	3M	96	Cleaning	2U643	PK	20	29.82	0.22	13.44
1482	500	Connector,Steel,Overall L 1 51/64in	RACO	2903RT	Electrical	52AU57	EA	1	3.73	0.23	1.44

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1483	500	Sterile Gauze Pad,Sterile,White,Yes,PK4	HONEYWELL	020430	Safety	1UZZ5	PK	4	4.08	0.19	1.39
1484	500	Jobber Drill,1/8",HSS	CHICAGO-LATROBE	44008	Machining	1F497	EA	1	2.12	0.07	1.33
1485	500	Cut-Resistant Sleeve,A7,9"	HEXARMOR	AG10009S-L (9)	Safety	2PJ29	EA	1	77.09	0.19	32.85
1486	500	First Aid Kit,Fabric,131 Pieces	FIRST AID ONLY	FAO-428	Safety	40JH27	EA	1	24.28	0.19	12.52
1487	500	Hybrid Sealant,White,SB-190	SUREBOND	SB-190 T WHITE	Adhesives, Sealants and Tape	25J627	EA	1	16.37	0.1	7.51
1488	500	Screwdriver,Phillips,Magnetic,#2,8"L	STANLEY	64-102-A	Hand Tools	53JT19	EA	1	7	0.14	3.98
1489	500	Disposable Gloves,Nitrile,L,PK100	TOUCHNTUFF	92-500	Safety	4GC46	PK	100	25.29	0.19	10.58
1490	500	Trufuel 50 to 1,2 Cycle Mix,PK6	TRUSOUTH	6525638	Fleet and Vehicle Maintenance	33GY44	PK	6	76.73	0.08	49.87
1491	500	Replacement Swab Heads,3.5" L,White,PK2	UNGER	BSRHR	Cleaning	1NXF7	PK	2	14.88	0.22	8.49
1492	500	Water Softener Salt, 50 lb, Pellets	DIAMOND CRYSTAL	100012467	Plumbing	45CL36	EA	1	29.34	0.2	15.49
1493	500	Prison Toilet Control Stop Stems,Acorn	ACORN	2570-014-000	Plumbing	2EWA7	EA	1	10.69	0.2	7.7
1494	500	Cut-Resistant Gloves,2XL/11,PR	ACTIVARMR	80-400	Safety	5LRF0	PR	1	9.51	0.19	5.69
1495	500	Linear LED Bulb,T8,48"L,2-Pin(G13),3500K	CURRENT	LED14BDT8/G4/835	Lighting	494G95	EA	1	12.16	0.22	8.53
1496	500	Blnk Bx Mnt Wll Plt,Stnd;Slvr,2Gng,Brsh	HUBBELL	SS23	Electrical	5C267	EA	1	9.86	0.23	4.38
1497	500	Linear FLUOR Bulb,T5,45-1/4" L,G5,5000K	CURRENT	F54W/T5/850/HO/ECO	Lighting	5AE36	EA	1	9.62	0.22	5.4
1498	500	Battery,Alkaline,Size 21/23,12VDC,PK2	DURACELL	MN21	Electronics, Appliances, and Batteries	489D85	PK	2	4.79	0.19	2.04
1499	500	Hang and Stack Bin,Red,Plastic,3 in	AKRO-MILS	30220RED	Material Handling	2W073	EA	1	3.86	0.15	1.42
1500	500	Label Cartridge,Black/White,3/4 In. W	BRADY	M21-750-595-WT	Safety	3PXX6	EA	1	55.12	0.19	25.27
1501	500	EpoxyAdhesive,DualCartridge,1:1 MixRatio	DEVCON	14265	Adhesives, Sealants and Tape	4TT41	EA	1	36.53	0.1	14.7
1502	500	Zoom Spout Oiler	SUPCO	MO98	Electronics, Appliances, and Batteries	42FF96	EA	1	5.88	0.19	3.99
1503	500	Reciprocating Saw Blade,TPI 18,PK5	MILWAUKEE	48-00-5184	Power Tools	2AC20	PK	5	16.94	0.11	7.33
1504	500	Dup Recept Wll Plt,Stnd;Silver,2Gng,Brsh	HUBBELL	SS82	Electrical	5C229	EA	1	8.99	0.23	3.49
1505	500	Engine Oil,10W-30,Conventional,1qt	MAG 1	MAG61648	Fleet and Vehicle Maintenance	43Y876	EA	1	5.17	0.08	3.16
1506	500	Safety Glasses,Gray	MCR SAFETY	BK112	Safety	9W570	EA	1	2.48	0.19	1.59
1507	500	Cable Hanger,Steel,Overall L 1in	B-LINE BY EATON	BL1410	Electrical	4RHZ4	EA	1	1.76	0.23	0.64
1508	500	Cleaner/Degreaser,Unscented,1 gal,Jug	KRUD KUTTER	KK012	Cleaning	10K005	EA	1	27.35	0.22	15.27
1509	500	CutOff Wheel,GeminiFreeCut,3"x.062"x3/8"	NORTON	66243510647	Abrasives	5A924	EA	1	3.18	0.1	1.5
1510	500	Chemical Resistant Glove,15 mil,Sz 9,PR	ALPHATEC	37-175	Safety	4T424	PR	1	3.51	0.19	2.02
1511	500	Bulb Recycling Kit,48" L x 12" W x 12" D	RECYCLEPAK	SUPPLY-065	Lighting	4CY98	EA	1	187.37	0.22	77
1512	500	FLUOR Ballast,Electronic,Instant,32W	ADVANCE	IOPA-4P32-N	Lighting	36N040	EA	1	30.23	0.22	17.07
1513	500	Safety Glasses,Lens Gray,Polycarbonate	MILWAUKEE	48-73-2108	Safety	787UG0	EA	1	22.85	0.19	16.66
1514	500	Utility Knife,6-5/8",Silver with Black	STANLEY	10-788	Hand Tools	5TG43	EA	1	12.58	0.14	8.18
1515	500	Spray Adhesive,24 fl oz,Aerosol Can	3M	77CA	Adhesives, Sealants and Tape	15E719	EA	1	29.75	0.1	19.41
1516	500	CPR Filtershield,Universal,Pouch	HONEYWELL	121065	Safety	4T382	EA	1	16.47	0.19	7.25
1517	500	Marking Paint,20 oz,Fluorescent Purple	KRYLON INDUSTRIAL	A03715004	Paint, Equipment and Supplies	38EL43	EA	1	11.58	0.12	3.76
1518	500	Shelf Bin,Black,Polypropylene,4 in	QUANTUM STORAGE SYSTEMS	QSB100BR	Material Handling	1NTW9	EA	1	3.57	0.15	1.78
1519	500	Neutral FloorCleaner,Liquid,1gal,Jug,PK4	GREENING THE CLEANING	DIN20-4	Cleaning	11U188	PK	4	84.27	0.22	53.99
1520	500	Dry Wipe,11" x 16 3/4",White	WYPALL	54015	Cleaning	54ZV38	EA	1	62.02	0.22	43.54
1521	500	Pipe Cement,16 fl oz,Gray	WELD-ON	14184	Adhesives, Sealants and Tape	29JA20	EA	1	23.38	0.1	15.35
1522	500	Silicone Sealant,White,Kitchen,Bath	DAP	7079808667	Adhesives, Sealants and Tape	29RV05	EA	1	18.59	0.1	8.8
1523	500	Line Marking Paint,20 oz,Fluorescent Red	RUST-OLEUM	1662838V	Paint, Equipment and Supplies	783AE5	EA	1	10.54	0.12	4.09
1524	500	Pipe Thread Sealant,9.6076 fl oz,Gray	HERCULES	15420	Adhesives, Sealants and Tape	20CM06	EA	1	7.99	0.1	4.08
1525	500	Recep Wiring Mod,125VAC,6in,Stranded	HUBBELL	SNAP2RNA	Electrical	31A381	EA	1	3.25	0.23	2.25
1526	500	Fuse,Class RK5,30A,FRS-R Series	BUSSMANN	FRS-R-30	Electrical	1A706	EA	1	28.78	0.23	10.18
1527	500	Trigger Spray Bottle,32oz,12 1/4"H,Clear	IMPACT	5032WG/4906DZ-91	Cleaning	39FD10	EA	1	5.94	0.22	2.14
1528	500	Paint Roller Frame,9"Roll L,12.5"L,5wire	SHUR-LINE	RP50272	Paint, Equipment and Supplies	12G318	EA	1	6.31	0.12	3.24
1529	500	Safety Glasses,Indoor/Outdoor Mirror	PYRAMEX	SB8680DT	Safety	45CR30	EA	1	6.26	0.19	3
1530	500	Glove Liners,Universal,9",PR	REFRIGIWEAR	0302RBLKOSA	Safety	32XK49	PR	1	3.84	0.19	2.27
1531	500	Safety Glasses,Gray	PYRAMEX	S2520SN	Safety	34WR21	EA	1	2.59	0.19	1.42
1532	500	Window Squeegee,12 in W,Straight	UNGER	12976	Cleaning	3U424	EA	1	22.42	0.22	11.9
1533	500	Construction Adhesive,9 fl oz,Cartridge	GORILLA	8010001	Adhesives, Sealants and Tape	49UU20	EA	1	13.96	0.1	7.06
1534	500	Trap Insert,Universal Fit	WATERLESS NO-FLUSH URINAL	3001	Plumbing	2VRW2	EA	1	14.81	0.2	10.66
1535	500	Block Eraser,Felt, Gray	EXPO	81505	Office Supplies	1JY16	EA	1	5.63	0.05	3.71
1536	500	Paint Roller Frame,9" Roll L,12.5" L	PREMIER	912-IMP	Paint, Equipment and Supplies	29UT70	EA	1	4.68	0.12	2.93
1537	500	Plug-In CFL Bulb,3000K,40W,20,000 hr	CURRENT	F40/30BX/SPX30	Lighting	4VC25	EA	1	17.86	0.22	7.37
1538	500	Aerosol Duster,10 oz.,PK2	DUST-OFF	DSXLP	Office Supplies	40KJ50	PK	2	18.18	0.05	10.55
1539	500	EMT Utility Scissors,7-1/2 In. L,Silver	MEDI-FIRST	70901-BK	Safety	11C665	EA	1	8.49	0.19	3.29
1540	500	Sunscreen,Tottle Bottle,2.000 oz.	CORTEX	18-202	Safety	1PBT5	EA	1	8.4	0.19	5.05
1541	500	Pallet Rack Decking, 48in x 46in	HUSKY RACK & WIRE	4846A3-G	Material Handling	6GGL3	EA	1	81.12	0.15	35.34
1542	500	Linear LED Bulb,T8,48" L,G13,3000K	CURRENT	LED14ET8/G/4/830	Lighting	467W17	EA	1	12.36	0.22	7.41
1543	500	Hang and Stack Bin,Red,PP,5 in	QUANTUM STORAGE SYSTEMS	QUS230RD	Material Handling	8CA60	EA	1	7.42	0.15	4.07
1544	500	Wall Switch Key	HUBBELL WIRING DEVICE-KELLEMS	HBL1209	Electrical	5Z730	EA	1	6.84	0.23	2.9
1545	500	Connector,Bronze,Overall L 2.313in	RACO	2504	Electrical	2DDE7	EA	1	6.11	0.23	3.87
1546	500	Ant Killer,0.07 oz.,Blocks,PK4	HOT SHOT	HG-2040W	Outdoor Equipment	36WG40	PK	4	3.96	0.12	2.13
1547	500	Dup Recept Wll Plt,Mid;Wht,1Gng,Smth Stn	HUBBELL	PJ8W	Electrical	55KT68	EA	1	1.23	0.23	0.64
1548	500	Cold Galvanizing Compound,20 oz	RUST-OLEUM	V2185838	Paint, Equipment and Supplies	5W180	EA	1	24.21	0.12	11.19
1549	500	Linear FLUOR Bulb,T5,21-5/8" L,G5,4100K	CURRENT	F14WT5/841/ECO	Lighting	5AE14	EA	1	12.66	0.22	8.88
1550	500	Plug-In CFL Bulb,3000K,32W,17,000 hr	CURRENT	F32TBX/830/A/ECO	Lighting	1PHA3	EA	1	14.72	0.22	6.91
1551	500	Photocntrl,1/2In Male Pipe Thread,120VAC	INTERMATIC	K4221C	Electrical	6P008	EA	1	28.66	0.23	11.45
1552	500	Depressed Ctr Whl,T27,4.5x1/4x5/8-11,AO	DEWALT	DW4523	Abrasives	4WM67	EA	1	5.04	0.1	2.8
1553	500	Penetrant,Aerosol,10oz.	KROIL	KS102C	Lubrication	797A50	EA	1	34.82	0.1	29.14
1554	500	Filter Cartridge,50 micron,9 3/4" H	PENTAIR/PENTEK	155053-75	Plumbing	4BA87	EA	1	18.82	0.2	13.55
1555	500	Fridge/Freezer Thermometer,-20 to 80F	TAYLOR	350710D	Furniture, Hospitality and Food Service	35HV42	EA	1	8.22	0.05	4.97
1556	500	Windshield Washer,De-Icer,Aerosol Can	MOTOR MEDIC	DE1	Fleet and Vehicle Maintenance	54YG19	EA	1	7.14	0.08	5.18
1557	500	Fluorescent,25 W,T8,Medium Bi-Pin (G13)	PHILIPS	F25T8/TL841/PLUS/ALTO	Lighting	492Y14	EA	1	8.39	0.22	4.26
1558	500	Safety Glass,Clear Lens,Half-Frame	MCR SAFETY	55KY47	Safety	55KY47	EA	1	4.74	0.19	3
1559	500	Universal Smoke Sensing Technology2-in-1	UNIVERSAL SECURITY INSTRUMENTS	MI3050SB	Safety	39CG94	EA	1	33.03	0.19	21.47
1560	500	Replacement Push-Button Spigot	IGLOO	24009	Safety	9J047	EA	1	17.34	0.19	5.65

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1561	500	O-Ring,Acorn	ACORN	2570-028-001	Plumbing	2EWC4	EA	1	10.98	0.2	5.14
1562	500	Halogen,150 W,T4,E11	CURRENT	Q150CL/MC-ETG	Lighting	2V701	EA	1	20.75	0.22	14
1563	500	Safety Pin,3.25 in L,0.25 in dia,Steel	BUYERS PRODUCTS	66066	Fasteners	426V12	EA	1	1.13	0.32	0.37
1564	500	Vehicle Inspection Form,2 Ply,Carbonless	JJ KELLER	8253	Fleet and Vehicle Maintenance	38D299	EA	1	7.41	0.08	4.58
1565	500	Spring Snap,HD,Steel,L 5 1/2 In	LUCKY LINE PRODUCTS	4GGN9	Hardware	4GGN9	EA	1	7.07	0.05	6.72
1566	500	Electrical Box Cover,2-Gang,4" L	RACO	907C	Electrical	5AA33	EA	1	4.13	0.23	1.49
1567	500	Safety Glasses,Gray	3M	11327-00000-20	Safety	4DY82	EA	1	4.04	0.19	2.09
1568	500	Penlight,Aluminum,Black,100lm	STREAMLIGHT	66118	Lighting	2RVL9	EA	1	38.97	0.22	21.07
1569	500	Duct Tape,Black,2 7/8 in x 25 yd,17 mil	GORILLA	106425	Adhesives, Sealants and Tape	5REA3	EA	1	28.31	0.1	14.44
1570	500	Quartz MH Bulb,BD17,E26,13,600 lm,175W	CURRENT	MVR175/U/MED	Lighting	6V751	EA	1	32.2	0.22	13.63
1571	500	Mixing Tee,Acorn	ACORN	2570-041-000	Plumbing	24E590	EA	1	10.89	0.2	7.55
1572	500	Safety Glasses,Clear	MCR SAFETY	SS110	Safety	9AA35	EA	1	2.15	0.19	1.25
1573	500	Wire Connector,Insulated,14 AWG,2/0 AWG	POLARIS	ISPB2/0-3B	Electrical	794HT9	EA	1	47.92	0.23	33.21
1574	500	Line Marking Paint,20 oz,Fluor. Purple	RUST-OLEUM	1869838	Paint, Equipment and Supplies	6YH20	EA	1	10.45	0.12	3.82
1575	500	Linear Fluorescent Bulb,28W,5000K	SYLVANIA	FO28/850/XP/SS/ECO3	Lighting	56GK48	EA	1	4.37	0.22	3.13
1576	500	Chemical Resistant Glove,17 mil,Sz 7,PR	ALPHATEC	87-198	Safety	1RL35	PR	1	1.8	0.19	0.98
1577	500	Disposable Gloves,Nitrile,M,PK100	TOUCHNTUFF	92-575	Safety	1RL61	PK	100	26.63	0.19	11.65
1578	500	Disposable Gloves,Beaded Cuff,PK100	MICROFLEX	V28	Safety	787ET2	PK	100	9.84	0.19	6.67
1579	500	S Hook,1/4 in. Opening,1-1/4 in.	NVENT CADDY	771	Fasteners	2KXK4	EA	1	0.41	0.32	0.24
1580	500	Mechanics Gloves,L/9,9-3/4",PR	IRONCLAD	EXO-HSY-04-L	Safety	45VK39	PR	1	12.33	0.19	8.01
1581	500	Box of Steel Wool Pads,Course	S.O.S	88320	Abrasives	3LFV7	EA	1	8.55	0.1	5.27
1582	500	Leather Gloves,Universal Size	BDG	40-1-1511PP	Safety	55LC77	PR	1	5.92	0.19	4.32
1583	500	Hip Wader,Men's,12,Steel,Black/Yellow,PR	TALON TRAX	5T258	Safety	5T258	PR	1	95.01	0.19	57.44
1584	500	Fire Ext. Bracket,Steel	KIDDE	46640020	Safety	4T308	EA	1	9.43	0.19	6.4
1585	500	Hole Seal,0.87 In Hole dia.,Steel	WIEGMANN	WAS050	Electrical	6C749	EA	1	9.16	0.23	5.8
1586	500	Battery,Alkaline,C,Everyday,PK6	RAYOVAC	ALC6	Electronics, Appliances, and Batteries	3WA31	PK	6	7.96	0.19	6.45
1587	500	Spray Paint,Chrome,11 oz.	RUST-OLEUM	7718830	Paint, Equipment and Supplies	30RK24	EA	1	20.55	0.12	7.42
1588	500	Fluorescent Ballast,Electronic,Rapid,40W	ADVANCE	ICN-2S40-N	Lighting	4FZN3	EA	1	33.59	0.22	14.74
1589	500	Aerated Outlet,15/16 in - 27,Chrome	DELTA	RP19754	Plumbing	46KL99	EA	1	12.28	0.2	8.84
1590	500	Adj. Bungee Strap,Black,36" L	KEEPER	06268	Material Handling	39J422	EA	1	4.81	0.15	2.87
1591	500	Hand and Surface Scrubbing Towels	GOJO	6396-06	Cleaning	782L06	EA	1	25.74	0.22	18.07
1592	500	Leather Gloves,Beige,L,PR	MCR SAFETY	3401L	Safety	21NM37	PR	1	10.73	0.19	5.03
1593	500	Metallic Spray Paint,12 oz.,Aluminum	KRYLON	K02766007	Paint, Equipment and Supplies	55EG91	EA	1	16.74	0.12	11.91
1594	500	Leather Gloves,Shirred Slip-On,2XL	BDG	20-1-1581-13	Safety	55LC07	PR	1	11.64	0.19	8.49
1595	500	Dishwasher Detergent,Bag,25 ct,Pacs,PK5	CASCADE	80675	Cleaning	499L39	PK	5	75.27	0.22	48.32
1596	500	Wastebasket,Rectangular,3-1/4 gal.,Black	RUBBERMAID COMMERCIAL PRODUCTS	FG295500BLA	Cleaning	3U935	EA	1	15.61	0.22	6.73
1597	500	Shower Curtain Hooks,1 1/16 in W,PK12	BRADLEY	9540-000000-GR	Plumbing	33MP54	PK	12	17.81	0.2	6.78
1598	500	Bushing,Plastic,Overall L 31/64in	RACO	1404	Electrical	52AU60	EA	1	0.63	0.23	0.27
1599	500	Dry Wipe Roll,12-1/2" x 13",Blue	WYPALL	41043	Cleaning	2VHT7	EA	1	139.8	0.22	67.61
1600	500	Dry Wipe,11" x 16 3/4",Blue	WYPALL	41041	Cleaning	2VHT6	EA	1	66.96	0.22	30.15
1601	500	InsulMultitapCon,PVC,14 AWG,4 AWG	POLARIS	IT-4B	Electrical	14V959	EA	1	23.07	0.23	12.68
1602	500	Safety Glasses,Clear	HONEYWELL UVEX	11150900	Safety	4FE54	EA	1	7.59	0.19	3.47
1603	500	Mouse Trap, PK4	JT EATON	406XT	Outdoor Equipment	6VFA1	PK	4	3.29	0.12	1.99
1604	500	Screwdriver Bit Set,31 Pcs,1/4" Shank	DEWALT	DWAX200	Power Tools	34D642	EA	1	29.96	0.11	15.13
1605	500	Safety Glasses,Smoke	BOLLE SAFETY	40208	Safety	45NA38	EA	1	19.52	0.19	10.79
1606	500	Fire Extinguisher Sign,14x4in,Rflctv	LYLE	U1-0066-RD_4x14	Safety	484H54	EA	1	6.26	0.19	3.73
1607	500	CutOff Wheel,A36T,3"x.035"x3/8",25000rpm	UNITED ABRASIVES-SAIT	23050	Abrasives	5LUA5	EA	1	3.31	0.1	1.34
1608	500	Coated Gloves,3/4 Dip,9-1/2",M,	MCR SAFETY	9669M	Safety	21NM51	PR	1	2.19	0.19	1.42
1609	500	CutOff Whl,A60S,4-1/2"x.045"x7/8"	DEWALT	DW8062S	Abrasives	6TMP9	EA	1	3.53	0.1	1.45
1610	500	LED,16 W,A19,Medium Screw (E26)	PHILIPS	16A19/PER/950/P/E26/DIM 6/1FB T20	Lighting	60NP96	EA	1	10.34	0.22	7.26
1611	500	TermBlkEndBarr,NSYTRV,Plastic,ScrewMount	SCHNEIDER ELECTRIC	NSYTRAC22	Electrical	23NY25	EA	1	1.14	0.23	0.51
1612	500	Garbage Disposal,Standard,11 1/2 in H	IN-SINK-ERATOR	BADGER 5 WITH CORD	Plumbing	31EE16	EA	1	170	0.2	115.84
1613	500	Safety Glasses,Gray	MCR SAFETY	KD312	Safety	3NTN8	EA	1	6.61	0.19	3.76
1614	500	Fuse,Midget,5A,KTK Series	BUSSMANN	KTK-5	Electrical	4XC40	EA	1	23.33	0.23	9.44
1615	500	Wasp and Hornet Killer,Aerosol,12 oz.	THE END	18320	Outdoor Equipment	6XMH4	EA	1	13.66	0.12	6.34
1616	500	Connector,Polypropylene,CompxM,1/2In	PARKER	P8MC8	Plumbing	2ZTG6	EA	1	5.23	0.2	2.45
1617	500	Reciprocating Saw Blade,TPI 8,PK3	DIABLO	DS0908CF3	Power Tools	49XZ71	PK	3	57.39	0.11	31.39
1618	500	Vented Chest Seal Pad,4-3/4" L,4-3/4" W	NORTH AMERICAN RESCUE	10-0042	Safety	55MW27	EA	1	31.47	0.19	20.82
1619	500	Disposable Gloves,Nitrile,S,PK100	MICROFLEX	N641	Safety	2VLZ6	PK	100	17.84	0.19	12.5
1620	500	Pleated Air Filter	PURAFILTER	16252MV13	HVAC and Refrigeration	60YP43	EA	1	22.68	0.4	13.61
1621	500	Footwear Traction,PR	YAKTRAX	08531	Safety	61VG63	PR	1	58.05	0.19	42.32
1622	500	Ear Muffs,Headband,Black,30dB	HONEYWELL HOWARD LEIGHT	1035108-VS	Safety	499M93	EA	1	54.96	0.19	40.07
1623	500	Cold Patch,PP-30-CP,30 lb	PERMA-PATCH	PP-30-CP	Adhesives, Sealants and Tape	13R450	EA	1	37.07	0.1	21.06
1624	500	Nitrile Glove,6.00 mil Palm,XL,PK90	KIMBERLY-CLARK	49278	Safety	55LT11	PK	90	48.49	0.19	25.56
1625	500	Paper Towel Roll,800,White,89490,PK6	GEORGIA-PACIFIC	89490	Cleaning	6RA74	PK	6	170.87	0.22	100.67
1626	500	G-Tek Maxiflex Ultimate,Pk12,L	PIP	34-875/L	Safety	41K655	PK	12	105.26	0.19	47.3
1627	500	Strt Bld Cnr,Blk; Wht,2P3W,Elstmr,5-15R	HUBBELL	HBL5269C	Electrical	4A251	EA	1	46.44	0.23	18.9
1628	500	Smoke Alarm,9V,Alkaline,Ionization	KIDDE	i9040	Safety	3TCT1	EA	1	13.71	0.19	6.99
1629	500	Concave Door Stop,Wall Mount	ROCKWOOD	409.32D	Hardware	3HHX3	EA	1	6.21	0.05	1.82
1630	500	Disposable Gloves,Nitrile,XL,Black,PK100	MICROFLEX	93862	Safety	800DA6	PK	100	36.61	0.19	25.33
1631	500	Coated Gloves,Nylon,10,PR	HYFLEX	11-925	Safety	48NU22	PR	1	10.19	0.19	5.42
1632	500	Disposable Gloves,Beaded Cuff,PK100	MICROFLEX	V28	Safety	787ET3	PK	100	9.84	0.19	6.67
1633	500	Bump Cap,Front Brim,Pinlock,Blue	MSA	10033650	Safety	4RB45	EA	1	9.46	0.19	5.02
1634	500	Coated Gloves,M,Black/Red,PR	HONEYWELL NORTH	NF11/8M	Safety	2WTN6	PR	1	6.03	0.19	2.57
1635	500	RH Ceramic Cartridge	CHICAGO FAUCETS	1-099XKJKABNF	Plumbing	5UTV7	EA	1	38.98	0.2	26.32
1636	500	18 oz.,Aerosol,Penetrant	BLASTER	26-PB	Lubrication	413W27	EA	1	12.73	0.1	6.8
1637	500	Bloodborne Pathogen Kit	EASY CARE	9999-2313	Safety	35KT07	EA	1	27.98	0.19	16.64
1638	500	Fuse,Class RK5,10A,FRS-R Series	BUSSMANN	FRS-R-10	Electrical	2A161	EA	1	29.87	0.23	11.83

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1639	500	Ballast ByPass LED Replacement,14.5 W	PHILIPS	14.5T8/MAS/48-850/MF21/P 10/1	Lighting	784N57	EA	1	21.04	0.22	6.95
1640	500	Ballast ByPass LED Replacement,16.9 W	PHILIPS	16.5T8/MAS/48-850/MF25/P/DIM 25/1	Lighting	784N60	EA	1	24.34	0.22	7.5
1641	500	All Wthr Field Operating Guide,Wirebound	RITE IN THE RAIN	573	Office Supplies	3WHA7	EA	1	21.32	0.05	18.22
1642	500	Leather Gloves,Gray/Tan,2XL,PR	MCR SAFETY	1700XXL	Safety	22DN40	PR	1	18.75	0.19	8.56
1643	500	Battery,Alkaline,AA,Everyday,PK24	RAYOVAC	ALAA24PP	Electronics, Appliances, and Batteries	64NU61	PK	24	14.18	0.19	6.38
1644	500	Wastebasket,Rectangular,7 gal.,Gray	RUBBERMAID COMMERCIAL PRODUCTS	FG295600GRAY	Cleaning	3U634	EA	1	17.02	0.22	6.41
1645	500	Electrolytes,Powder,Berry,16 oz.,PK10	PROPEL	01087	Safety	403U27	PK	10	10.93	0.19	5.99
1646	500	90 Elbow, Cast Iron, 1 ",FNPT,Class 125	ANVIL	0300001005	Plumbing	4KUJ9	EA	1	8.34	0.2	4.47
1647	500	Coin Battery,Lithium,3VDC,2430	ENERGIZER	ECR2430BP	Electronics, Appliances, and Batteries	45EK16	EA	1	3.17	0.19	1.53
1648	500	3/0 Straight Link Coil Chain 100Ft Ct	CAMPBELL	T0333024	Material Handling	24F160	EA	1	2.66	0.15	2.03
1649	500	Nozzle Gasket,Black,Synth Rubber,3/16"	MOON AMERICAN	813-25	Safety	6APN9	EA	1	2.49	0.19	1.62
1650	500	Hook-and-Loop Sanding Disc,5 in Dia	NORTON	07660749221	Abrasives	436F01	EA	1	0.97	0.1	0.43
1651	500	Connector,Zinc,Trade Size 3/8in	BELL	2191	Electrical	35U191	EA	1	1.24	0.23	0.89
1652	500	Wire Rope Sleeve,1/32 In,122 Copper	LOOS	SL2-1P	Material Handling	16X787	EA	1	0.14	0.15	0.06
1653	400	Quartz MH Bulb,ED28,E39,36,000 lm,400W	CURRENT	MVR400/U/ED28	Lighting	5V658	EA	1	41.41	0.22	15.46
1654	400	Disposable Gloves,Latex,Natural,XL,PK100	TOUCHNTUFF	69-210	Safety	60XM85	PK	100	18.45	0.19	12.67
1655	400	BERNARD MIG Welding 1.5" Std Contact Tip	BERNARD	T-035	Welding	11Z543	EA	1	2.64	0.1	1.39
1656	400	Spotlight,Plastic,Black,600lm	ENERGIZER	HCSP61E	Lighting	1LEF1	EA	1	60.6	0.22	20.32
1657	400	Paint Roller Cover,4"L,3/8"Nap,Woven	WOOSTER	R205-4	Paint, Equipment and Supplies	38UY06	EA	1	4.67	0.12	2.28
1658	400	Multipurpose Grease,Cartridge,14oz	TRI-FLOW	TF220211	Lubrication	4TA91	EA	1	36.65	0.1	15.53
1659	400	Tape Measure,25 ft. Blade L,Steel Blade	MILWAUKEE	48-22-6825	Hand Tools	483F42	EA	1	27.59	0.14	21.86
1660	400	Emergency Blanket,Silver,52 In. x 84 In.	HONEYWELL	80264RB	Safety	3PAJ8	EA	1	4.77	0.19	2.68
1661	400	54 W,T5,Miniature Bi-Pin (G5)	PHILIPS	F54T5/841/HO/ALTO TG 40PK	Lighting	492X89	EA	1	49	0.22	25.29
1662	400	LED,5 W,T10,2-Pin (GX23)	CURRENT	LED5GX23/840	Lighting	54EL36	EA	1	14.17	0.22	9.22
1663	400	Insulated Watch Cap,Beanie,Universal	POLAR PLUS	115BK	Safety	35YP54	EA	1	15.47	0.19	10
1664	400	Key Chain Tape Measure,6 ft.,Black/Red	MILWAUKEE	48-22-5506	Hand Tools	48LU51	EA	1	8.51	0.14	5.38
1665	400	Narrow Staples,27/64 inx1/2 In,PK1000	STANLEY	TRA708T	Fasteners	1XHT7	PK	1000	3.72	0.32	2.4
1666	400	Pedestal Fan,3 Speeds,18" Blade Dia.	AIR KING	9119	HVAC and Refrigeration	4CH63	EA	1	93.21	0.17	42.57
1667	400	Cone Light,Yellow,Flashing,Fits 1AJF3	TOLCO	320398	Safety	1AJF4	EA	1	11.8	0.19	6.82
1668	400	Mobil SHC 630, Circulating, ISO 220, 1qt	MOBIL	123000	Lubrication	6Y778	EA	1	25.8	0.1	14.2
1669	400	Type L,Hard length,3/4 In.X 10ft.	STREAMLINE	LH06010	Plumbing	6KZ21	EA	1	76.77	0.2	29.53
1670	400	Fire Extinguisher,Steel,Red,ABC	AMEREX	B402	Safety	13J002	EA	1	90.87	0.19	51.76
1671	400	Track Lighting Head,Flare,Wht,3 1/2in	JUNO LIGHTING	R551 WH	Lighting	45DM21	EA	1	43.75	0.22	31.32
1672	400	LED,10 W,A19,Medium Screw (E26),PK4	CURRENT	LED10DA19/840/E-4PK	Lighting	796FT4	PK	4	25.2	0.22	18.04
1673	400	Temporary Marking Paint,20 oz,Blue,Can	KRYLON INDUSTRIAL	A03903004	Paint, Equipment and Supplies	38EL35	EA	1	11.58	0.12	3.76
1674	400	BZK Wipe,Antiseptics,PK10	FIRST AID ONLY	12-018	Safety	39N904	PK	10	2.39	0.19	1.38
1675	400	Fuse,Class RK5,20A,FRS-R Series	BUSSMANN	FRS-R-20	Electrical	1A704	EA	1	26.62	0.23	9.09
1676	400	LED,15 W,A21,Medium Screw (E26)	CURRENT	LED15DA21/850	Lighting	53DP56	EA	1	19.27	0.22	15.03
1677	400	Cooling Bandana,Blue,One Size	CHILL-ITS BY ERGODYNE	6700CT	Safety	16V833	EA	1	6.91	0.19	3.47
1678	400	Rust Preventative Spray Paint,Black	RUST-OLEUM	7579838	Paint, Equipment and Supplies	490T12	EA	1	18.53	0.12	6.21
1679	400	90 Elbow, Cast Iron, 1 1/4 in, FNPT	ANVIL	0300001203	Plumbing	4KUK1	EA	1	10.53	0.2	6.59
1680	400	Duct Tape,Black,1 in x 10 yd,17 mil	GORILLA	6100109	Adhesives, Sealants and Tape	16V093	EA	1	6.17	0.1	2.9
1681	400	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	SYLVANIA	22437	Lighting	60UA22	EA	1	5.4	0.22	3.53
1682	400	Fire Extinguisher,Aluminum,Red,ABC	KIDDE	46614220MTL	Safety	479W96	EA	1	41.36	0.19	22.22
1683	400	Tape Measure,25ft L.,SAE,Orange	STANLEY	STHT30818S	Hand Tools	784JN9	EA	1	15.83	0.14	12.25
1684	400	Battery,Alkaline,AAA,Premium,PK4	DURACELL	MN2400B4Z	Electronics, Appliances, and Batteries	3WA12	PK	4	7.12	0.19	4.45
1685	400	Attached Lid Container,Red,Solid,HDPE	ORBIS	FP182 Red	Material Handling	8A443	EA	1	34.64	0.15	18.64
1686	400	Tongue and Groove Plier,9-1/2" L	CHANNELLOCK	420	Hand Tools	4CR37	EA	1	23.58	0.14	13.48
1687	400	Spray Paint,Gloss,White,12 oz	COLORMAXX	K05545007	Paint, Equipment and Supplies	800T52	EA	1	11.76	0.12	8.8
1688	400	Coated Gloves,Nylon,L,PR	MCR SAFETY	N9696L	Safety	4KWZ4	PR	1	5.82	0.19	2.94
1689	400	Bushing,Plastic,Overall L 23/64in	RACO	1402	Electrical	52AU51	EA	1	0.31	0.23	0.13
1690	400	Quartz Metal Halide HID Bulb,1000W,4000K	SYLVANIA	M1000/U	Lighting	56GK51	EA	1	51.32	0.22	36.03
1691	400	Keyed Padlock, 3/4 in,Rectangle,Silver	MASTER LOCK	1KALJ	Security	3T976	EA	1	19.34	0.15	10.3
1692	400	Epoxy Adhesive,Syringe,1:1 Mix Ratio	GORILLA	4200102	Adhesives, Sealants and Tape	4YKT2	EA	1	10.33	0.1	4.47
1693	400	Inverted Marking Chalk,20 oz,Red	RUST-OLEUM	205235	Paint, Equipment and Supplies	3BE98	EA	1	14.49	0.12	4.75
1694	400	Tapered Bristle Disc,2 In Dia,50G	SCOTCH-BRITE	7000000742	Abrasives	6RX76	EA	1	17.24	0.1	9.3
1695	400	Pipe Insulation,ID 2-1/2",Wall Thick 1"	OWENS CORNING	722599	Plumbing	4LFD6	EA	1	22.67	0.2	11.96
1696	400	Electrolytes,Powder,Lemon,16 oz.,PK10	PROPEL	01090	Safety	403U26	PK	10	10.93	0.19	5.99
1697	400	Flying Insect Killer,15 oz.,Aerosol	HOT SHOT	HG-96310	Outdoor Equipment	48LR73	EA	1	12.6	0.12	5.99
1698	400	Abrsv Cut Whl,4-1/2 Dx0.045In T	UNITED ABRASIVES-SAIT	22021	Abrasives	1AUB5	EA	1	4.56	0.1	2.1
1699	400	Marking Paint,20 oz,Fluorescent Green	KRYLON INDUSTRIAL	A03614007	Paint, Equipment and Supplies	54TH43	EA	1	13.26	0.12	4.31
1700	400	Silicone Sealant,Clear,Advanced Silicone	GE	2811092	Adhesives, Sealants and Tape	4UH03	EA	1	17.54	0.1	7.23
1701	400	Circular FLUOR Bulb,T9,1-1/4" dia.,32W	CURRENT	FC12T9/CW	Lighting	1V776	EA	1	12.79	0.22	4.99
1702	400	Master Rebuild Kit,Urinals	SLOAN	R1002A	Plumbing	2VEE4	EA	1	40.57	0.2	25.2
1703	400	Key Blank,Standard,A Keyway,1/2in.	BEST	1A1A1KS473KS800	Security	49H790	EA	1	3.76	0.15	2.1
1704	400	Paint Roller Cover,9"L,3/8"Nap,Knit	WOOSTER	R239-9	Paint, Equipment and Supplies	3UW67	EA	1	8.18	0.12	3.86
1705	400	Battery,Alkaline,AA,Everyday,PK8	RAYOVAC	ALAA8	Electronics, Appliances, and Batteries	64NU56	PK	8	5.19	0.19	2.12
1706	400	Coated Gloves,Blue/Gray,XL,PR	SHOWA	300XL-10	Safety	4JF59	PR	1	4.78	0.19	1.99
1707	400	Surface-Conditioning Disc,2 in Dia,TR	ARC ABRASIVES	59341	Abrasives	3HB52	EA	1	1.18	0.1	0.77
1708	400	Elec Tape,20 ft Lx3/4"W,7 mil,Black,PK10	3M	33+SUPER-3/4X20FT	Adhesives, Sealants and Tape	2A226	PK	10	62.12	0.1	28.95
1709	400	Disposable Gloves,Rubber Latex,L,PK50	MCR SAFETY	5049L	Safety	392D15	PK	50	30.36	0.19	18.22
1710	400	Circular Saw Blade,Blade Dia. 6-1/2 in.	DIABLO	D0624X	Power Tools	53WC01	EA	1	16.88	0.11	9.87
1711	400	Extreme Pressure Grease, Cartridge,14oz	CRC	SL3640	Lubrication	39EM09	EA	1	11.78	0.1	5.21
1712	400	ChainWireRope Lube,11 oz.,Aerosol	SPRAYON	SC0202000	Lubrication	5PE62	EA	1	16.33	0.1	6.16
1713	400	Paper Towel Roll,Continuous,Wt,89410,PK6	GEORGIA-PACIFIC	89410	Cleaning	2NY16	PK	6	151.58	0.22	66.35
1714	400	Bollard Retrofit Lamp,LED,18 W	LIGHT EFFICIENT DESIGN	LED-8039E345D-A	Lighting	60TD98	EA	1	59.46	0.22	46.38
1715	400	Reciprocating Saw Blade,TPI 10,PK5	MILWAUKEE	48-00-5712	Power Tools	4WP11	PK	5	23	0.11	14.95
1716	400	High Visibility Vest,L/XL,Yellow/Green	MILWAUKEE	48-73-5022	Safety	55FF10	EA	1	25.87	0.19	18.86

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1717	400	Linear LED Bulb,T5,34" L,G5,3000K	PHILIPS	11T5HE/34-830/IF14/G/DIM 10/1	Lighting	449U90	EA	1	18.64	0.22	10.39
1718	400	Coated Gloves,Black/Gray,L	SHOWA	381L-08	Safety	160F88	PR	1	6.46	0.19	3.44
1719	400	Abrasive Cut-Off Wheel,4-1/2" dia.	DEWALT	DWA8951F	Abrasives	49ZZ84	EA	1	4.13	0.1	2.6
1720	400	Safety Glasses,Clear	3M	62099	Safety	4DY81	EA	1	3.24	0.19	1.6
1721	400	Soldering Flux,Lead Free,1.7 oz.	RECTORSEAL	14003	Welding	442Y43	EA	1	2.36	0.1	1.34
1722	400	Pom Tong, L 6 In	VOLLRATH	47106	Furniture, Hospitality and Food Service	4KJU8	EA	1	1.97	0.05	1.19
1723	400	MaxiFlex Seamless Knits,ATG,M,PK12	PIP	34-844/M	Safety	581R57	PK	12	101.91	0.19	74.3
1724	400	Hang and Stack Bin,Blue,PP,11 in	QUANTUM STORAGE SYSTEMS	QUS270BL	Material Handling	8ZFV8	EA	1	49.18	0.15	27.02
1725	400	Instant Adhesive,0.10 fl oz,Tube	LOCTITE	234072	Adhesives, Sealants and Tape	5E355	EA	1	7.06	0.1	3.6
1726	400	Laundry Bag,White,Mesh	HONEY-CAN-DO	LBG-01142	Furniture, Hospitality and Food Service	5DMN3	EA	1	5.46	0.05	3.02
1727	400	Small Engine Fuel, 2 Cycle,1 qt.,PK8	VP SMALL ENGINE FUELS	6238	Fleet and Vehicle Maintenance	46T343	PK	8	109.93	0.08	59.22
1728	400	Handle,Metal	CHICAGO FAUCETS	665-PSHJKCP	Plumbing	2FPL8	EA	1	32.24	0.2	17.23
1729	400	Quad Head Brush,11" L,Gray,White	CARRAND	93111	Fleet and Vehicle Maintenance	39R409	EA	1	25.03	0.08	14.39
1730	400	Striping Paint,20 oz,Red,Aerosol	RUST-OLEUM	1665838	Paint, Equipment and Supplies	6KP12	EA	1	15.45	0.12	5.44
1731	400	Keyed Padlock, 3/4 in,Rectangle,Silver	MASTER LOCK	1DCOM	Security	1A375	EA	1	16.67	0.15	10.84
1732	400	Cut Resistant Gloves,Size 9,Black	HYFLEX	11-751	Safety	52EP78	PR	1	16.14	0.19	10.22
1733	400	LED,5 W,T10,2-Pin (GX23)	CURRENT	LED5GX23/835	Lighting	54EL35	EA	1	12.95	0.22	9
1734	400	Coated Gloves,Black/Blue/Gray,2XL,PR	SHOWA	S-TEX377XXL-10	Safety	468G36	PR	1	19.35	0.19	9.54
1735	400	Bungee Strap,Black,24" L	THE BETTER BUNGEE	BBS24GBK	Material Handling	46CA51	EA	1	9.08	0.15	4.62
1736	400	Key Reel,48 In,Kevlar(R) Cord,Carabineer	KEY-BAK	0488-803	Security	1PGP9	EA	1	24.92	0.15	12.94
1737	400	StgeTote,DkIndigoMetallic,Solid,Lin LDPE	RUBBERMAID	RMRT030003	Material Handling	60VZ17	EA	1	15.11	0.15	10.4
1738	400	Cleaner/Degreaser,Mild,128 oz,Bottle,PK4	ZEP	56724	Cleaning	54ZN95	PK	4	172.35	0.22	69.8
1739	400	Fuse,Class K5,15A,NON Series	BUSSMANN	NON-15	Electrical	4XF90	EA	1	3.75	0.23	2.02
1740	400	Bath Towel,24x48 In.,White,PK12	R & R TEXTILE	62410	Furniture, Hospitality and Food Service	5NWR5	PK	12	58.65	0.05	38.12
1741	400	LED,11.5 W,T8,Medium Bi-Pin (G13)	PHILIPS	11.5T8/COR/36-840/MF14/G 10/1	Lighting	494P25	EA	1	18.34	0.22	12.02
1742	400	U-Bend FLUOR Bulb,T8,G13,3500K,31W	CURRENT	F31T8/SPX35/U/ECO	Lighting	2ETT8	EA	1	21.09	0.22	11.91
1743	400	Dome Door Stop,1-1/8" H,1-7/8" Base dia.	ROCKWOOD	440.26D	Hardware	52HU26	EA	1	7.57	0.05	5.01
1744	400	Calcium, Lime/Rust Remover,1 gal,Jug	CLR PRO	G-FM-CLR128-4PRO	Cleaning	61LV30	EA	1	47	0.22	32.99
1745	400	Reciprocating Saw Blade,TPI 10,PK5	MILWAUKEE	48-00-5713	Power Tools	4WP12	PK	5	30.56	0.11	16.19
1746	400	Tape Measure,SAE,Blade 25 ft. L	MILWAUKEE	48-22-6625	Hand Tools	53KA31	EA	1	27.94	0.14	18.16
1747	400	Condenser Cleaner,Aerosol,18 fl oz	NU-CALGON	4291-18	HVAC and Refrigeration	1ANJ2	EA	1	19.73	0.17	10.15
1748	400	Silicone Sealant,Gray,Commercial Kitchen	DAP	8660	Adhesives, Sealants and Tape	20HA78	EA	1	16.96	0.1	5.84
1749	400	Safety Glasses,Clear	MCR SAFETY	CL110	Safety	3NTN2	EA	1	1.87	0.19	1.22
1750	400	Type I Safety Can,5 gal,Red	EAGLE	UI50FS	Safety	3NKR5	EA	1	86.65	0.19	42.87
1751	400	Putty Knife,Stiff,1-1/4",Carbon Steel	STANLEY	28-140	Hand Tools	1ARX3	EA	1	7.97	0.14	4.02
1752	400	Chrome Drip Pan,6 In	FRIGIDAIRE	316048414	Electronics, Appliances, and Batteries	49X203	EA	1	9.11	0.19	4.86
1753	400	Incandescent,40 W,A15,Medium Screw (E26)	SYLVANIA	10129	Lighting	60UA23	EA	1	2.02	0.22	1.24
1754	400	Hip Wader,Men's,9,Steel,Black/Yellow,PR	TALON TRAX	5T255	Safety	5T255	PR	1	89.04	0.19	65.05
1755	400	First Aid Kit,10 People Served,5"H	FIRST AID ONLY	91323	Safety	794KG0	EA	1	63.94	0.19	46.61
1756	400	Silicone Sealant,Clear,732	DOW CORNING	3138356	Adhesives, Sealants and Tape	53DC08	EA	1	12.28	0.1	6
1757	400	MaskingTape,15/16" W,60yd L,Green	SHURTAPE	CF 120	Adhesives, Sealants and Tape	6FET4	EA	1	13.44	0.1	6.96
1758	400	Hook-and-Loop Surface Cond Disc,4 in Dia	SCOTCH-BRITE	7000000652	Abrasives	4ZR50	EA	1	5.03	0.1	3.27
1759	400	Cold Protection Gloves,XL,Bl/Prl Gry,PR	TILLMAN	1485XL	Safety	5WUH4	PR	1	33.07	0.19	15.12
1760	400	LED,14.5 W,T8,Medium Bi-Pin (G13)	PHILIPS	14.5T8/COR/48-850/MF21/G 10/1	Lighting	60WT58	EA	1	17.4	0.22	4.7
1761	400	Safety Glasses,Smoke	SMITH & WESSON	19859	Safety	2LAC6	EA	1	13.75	0.19	5.62
1762	400	Depressed Center Whl,T27,5x0.045x7/8,AO	DEWALT	DW8425	Abrasives	6HD82	EA	1	3.32	0.1	1.65
1763	400	All Purpose Cleaner,1 gal,Jug,PK4	FABULOSO	153058	Cleaning	55EY07	PK	4	95.87	0.22	67.3
1764	400	Hand Trowel,SS Blade,Ergonomic	AMES	24450GR	Outdoor Equipment	415M70	EA	1	17.8	0.12	10.12
1765	400	Coated Gloves,Full,Foam,Nitrile,L,PR	SHOWA	377L-08	Safety	4THG1	PR	1	11.23	0.19	6.89
1766	400	Disposable Gloves,Nitrile,S,PK50	MICROFLEX	SEC-375-S	Safety	3RRK6	PK	50	20.98	0.19	12.47
1767	400	Quick Connect,Plug,1/4" Body,1/4"-18	LEGACY	A73440D-BG	Pipe, Hose, Tube & Fittings	1HUG1	EA	1	1.41	0.2	0.52
1768	400	Spray Paint,Light Machine Gray,15 oz.	RUST-OLEUM	V2183838	Paint, Equipment and Supplies	5H904	EA	1	15.38	0.12	5.94
1769	400	Coated Gloves,XL,Black/Gray,PR	PIP	34-845	Safety	56ZG23	PR	1	9.51	0.19	4.22
1770	400	Visor,Clear,Bullard Bracket	BULLARD	840P	Safety	8WG94	EA	1	12.91	0.19	6.15
1771	400	Socket Adapter,Steel,Male Input Drive	MILWAUKEE	48-32-5034	Hand Tools	61DK16	EA	1	7.88	0.14	6.1
1772	400	Coated Gloves,Nitrile,Black/Gray,11	HYFLEX	11-840	Safety	20KJ49	PR	1	6.49	0.19	3.89
1773	400	Ice Scraper,5" L,Foam Grip,Assorted	SUBZERO	S24-994	Fleet and Vehicle Maintenance	49LX33	EA	1	4.62	0.08	3
1774	400	Weatherproof Cover,Metallic	BELL	5175-0	Electrical	4A246	EA	1	4	0.23	2
1775	400	Facial Tissue,100,White,48580,PK30	GEORGIA-PACIFIC	48580	Cleaning	1FC57	PK	30	100.19	0.22	48.29
1776	400	ADA Handle,Zurn	ZURN	P6000-M-ADA	Plumbing	4HCY1	EA	1	31.73	0.2	15.46
1777	400	Schedule 40,Pipe Size 1 In,10ft.L	GF PIPING SYSTEMS	H0400100PW1000	Plumbing	5AFJ4	EA	1	15.15	0.2	8.87
1778	400	Leather Gloves,Cream,M,PR	MCR SAFETY	3205M	Safety	22DN42	PR	1	9.45	0.19	5.84
1779	400	LED,10 W,A19,Medium Screw (E26)	PHILIPS	13.5A19/LED/930/FR/P/ND 4/1FB	Lighting	784ND9	EA	1	3.84	0.22	2.75
1780	400	Safety Pin,1.813 in L,0.188 in dia,Steel	BUYERS PRODUCTS	66045	Fasteners	426V21	EA	1	1.01	0.32	0.33
1781	400	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	US-220-L	Safety	3NEV1	PK	100	17.77	0.19	11.11
1782	400	Coated Gloves,Knit Cuff,Smooth,2XL,PR	SHOWA	377XXL-10	Safety	4THG3	PR	1	11.23	0.19	6.89
1783	400	Fluorescent,25 W,T8,Medium Bi-Pin (G13)	PHILIPS	F25T8/TL830/PLUS/ALTO	Lighting	492Y12	EA	1	9.85	0.22	5.31
1784	400	LED,16.6 W,A19,Medium Screw (E26)	PHILIPS	16.6A19/LED/950/P/E26/ND 6/1FB T20	Lighting	784N91	EA	1	6.65	0.22	4.73
1785	400	Fire Extinguisher,Steel,Red,ABC	KIDDE	PRO10MP	Safety	4T889	EA	1	127.45	0.19	68.48
1786	400	Tree Watering Bag,15 gal,3" Max Tree Dia	DEWITT	TWBag-12	Outdoor Equipment	786EZ4	EA	1	37.52	0.12	17.31
1787	400	Shelf Bin,Blue,Polypropylene,4 in	QUANTUM STORAGE SYSTEMS	QSB104BL	Material Handling	8NEH7	EA	1	7.29	0.15	3.52
1788	400	Linear FLUOR Bulb,T5,12" L,G5,4100K	CURRENT	F8T5/CW	Lighting	2V235	EA	1	5.6	0.22	3.07
1789	400	Handheld Sprayer,3 gal.,Poly Tank	CHAPIN	22090XP	Outdoor Equipment	21AC32	EA	1	104.67	0.12	60.67
1790	400	Barricade Tape,Caution/Cuidado,1000 ft.	HARRIS INDUSTRIES	BT066	Security	8FGT5	EA	1	20.73	0.15	12.57
1791	400	Union,Wrot Copper,1/2" Tube,CxC	NIBCO	633W 1/2	Plumbing	1WLJ7	EA	1	11.91	0.2	8.14
1792	400	Coated Gloves,3/4 Dip,10",L,	MCR SAFETY	9699L	Safety	36H998	PR	1	5.29	0.19	2.17
1793	400	Potable Circulating Pump,Flanged,1/6HP	BELL & GOSSETT	1BL003LF	Pumps	5JPC3	EA	1	1063.87	0.07	441.83
1794	400	Cut-Resistant Sleeve,A7,9", Medium	HEXARMOR	AG10009S-M (8)	Safety	2PJ28	EA	1	77.09	0.19	32.85

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						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1795	400	Type L,Hard length,1/2 In.X 10ft.	STREAMLINE	LH04010	Plumbing	6KZ19	EA	1	41.84	0.2	18.06
1796	400	Linoleum Flooring Knife,7-1/4 in.	STANLEY	10-509	Hand Tools	30HK70	EA	1	8.45	0.14	4.18
1797	400	Linear LED Bulb,T5,46" L,G5,5000K	CURRENT	LED13ET5G4/850HE	Lighting	55GU26	EA	1	25.34	0.22	17.79
1798	400	LED Tube,32W LFL,18 W,2400 lm	CURRENT	LED18ET8/G/4/840/CVG	Lighting	61KJ87	EA	1	24.8	0.22	17.41
1799	400	Rain Suit,Jacket/Bib,Unrated,Yellow,2XL	TINGLEY	S61317	Safety	9RY07	EA	1	16.27	0.19	8.78
1800	400	39 W,T5,Miniature Bi-Pin (G5)	SYLVANIA	20934	Lighting	60UA56	EA	1	10.64	0.22	7.29
1801	400	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	SYLVANIA	21759	Lighting	60UA41	EA	1	6.98	0.22	4.8
1802	400	Linear Fluorescent Bulb,32W,4100K	SYLVANIA	FO32841XPSECO3	Lighting	56GK70	EA	1	5.56	0.22	3.98
1803	400	Paint Brush,3 in,Chip,China Hair,Firm	PREMIER	DWV30	Paint, Equipment and Supplies	38M520	EA	1	3.05	0.12	2.36
1804	400	Chemical Resistant Glove,11 mil,Sz 6,PR	ALPHATEC	37-145	Safety	3PXG7	PR	1	2.98	0.19	1.34
1805	400	Chemical Resistant Glove,11 mil,Sz 7,PR	ALPHATEC	37-145	Safety	3PXG8	PR	1	2.98	0.19	1.34
1806	400	Hang and Stack Bin,Blue,PP,3 in	QUANTUM STORAGE SYSTEMS	QUS210BL	Material Handling	9DUW8	EA	1	2.21	0.15	1.12
1807	400	Sign Mounting Brackets,Silver,SS,PR	TAPCO	037-00011	Safety	1DYJ6	PR	1	35.89	0.19	21.22
1808	400	Disposable Gloves,Nitrile,XL,PK50	SHOWA	8005PFXL	Safety	3AB66	PK	50	29.93	0.19	20.79
1809	400	Brass Ball Valve,Inline,FNPT,1/4 in	APOLLO	94A10101	Plumbing	1CKC8	EA	1	9.24	0.2	6.65
1810	400	Electrical Box,Square,21 cu. in.	RACO	191	Electrical	2DDA8	EA	1	4.87	0.23	3.09
1811	400	Wet Mop,White,Cotton	RUBBERMAID COMMERCIAL PRODUCTS	FGF11600WH00	Cleaning	5M971	EA	1	8	0.22	4.59
1812	400	Hang and Stack Bin,Clear,Plastic,3 in	AKRO-MILS	30210SCLAR	Material Handling	4KER2	EA	1	2.91	0.15	1.08
1813	400	Battery,Alkaline,AA,Premium,PK36	ENERGIZER	E91SBP36H	Electronics, Appliances, and Batteries	22FX67	PK	36	33.27	0.19	21.63
1814	400	Combination Cartridge/Filter,Threaded,PR	HONEYWELL NORTH	7581P100L	Safety	16M230	PR	1	40.6	0.19	19.59
1815	400	Lobby Broom and Dust Pan,28 in Handle L	RUBBERMAID COMMERCIAL PRODUCTS	59JM15	Cleaning	59JM15	EA	1	62.21	0.22	17.39
1816	400	Disposable Gloves,Nitrile,L,PK100	MICROFLEX	N733	Safety	6PHK5	PK	100	15.67	0.19	10.52
1817	400	LED Bulb,ED37,5000K,18,000 lm,115W	CURRENT	LED115ED28/750	Lighting	429U50	EA	1	216.94	0.22	112.64
1818	400	ChainWireRope Lube,11 oz.,Aerosol	LIQUID WRENCH	L711	Lubrication	54YT59	EA	1	10.09	0.1	7
1819	400	Jobber Drill,1/4",HSS	CLE-LINE	C22721	Machining	5X971	EA	1	3.15	0.07	1.5
1820	400	Emergency Blanket,Yellow,54In x 80In	HONEYWELL	551003	Safety	3PAJ9	EA	1	12.95	0.19	5.99
1821	400	Eye Wash,Bottle,1 oz.	FIRST AID ONLY	FAE-6011	Safety	6XNC7	EA	1	8.44	0.19	3.84
1822	400	Bungee Strap,Black,41" L	GOLDLINE	635738942	Material Handling	14J851	EA	1	4.42	0.15	2.25
1823	400	Nitrile Gloves,XL,PK100	MECHANIX WEAR	D15-05-011-100	Safety	60NP62	PK	100	40.03	0.19	28.87
1824	400	10 wt oz.,Aerosol,Dry Lubricant	CRC	03094	Lubrication	4JB39	EA	1	18.79	0.1	7.98
1825	400	Insect Repellent,3 oz.,Wipes	REPEL	HG-94100	Outdoor Equipment	36WG53	EA	1	13.04	0.12	5.38
1826	400	Multipurpose Food Grade Grease,14 oz	CRC	SL35600	Lubrication	4JB56	EA	1	24.25	0.1	10.2
1827	400	Water/Oil Resis mechanic style Glove,PR1	IRONCLAD	EXO-MWR-03-M	Safety	45VK53	PR	1	15.04	0.19	5.46
1828	400	Fuse,Midget,10A,KTK Series	BUSSMANN	KTK-10	Electrical	4XC42	EA	1	23.61	0.23	10.9
1829	400	Filter,Magenta,Bayonet,PK2	MSA	815369	Safety	4LN08	PK	2	27.89	0.19	18.13
1830	400	Key Blank,Standard,J Keyway,1/2in.	BEST	1A1J1KS473KS800	Security	49H803	EA	1	3.66	0.15	2
1831	400	Water Act Flood Barrier,3-1/2"Hx10ftL	QUICK DAM	QD610-1ES	Safety	45EU48	EA	1	29.43	0.19	20.94
1832	400	Inverted Marking Chalk,15 oz,Red	KRYLON INDUSTRIAL	KWBC3503A	Paint, Equipment and Supplies	3KYR6	EA	1	16.45	0.12	5.39
1833	400	Smoke Detector Tester	SDI	M8	Safety	36JG36	EA	1	14.39	0.19	7.67
1834	400	Pipe Plug,Wing Nut,1.87"H,2"Pipe	CHERNE	270229	Plumbing	1VNF5	EA	1	6.49	0.2	4.81
1835	400	CPR 02 Key Ring with One Way Valve	GENUINE FIRST AID	9999-2402	Safety	34WK81	EA	1	4.52	0.19	3.29
1836	400	Thread Sealant Tape,3/4" W,White	ANTI-SEIZE TECHNOLOGY	16050A	Adhesives, Sealants and Tape	5X584	EA	1	5.86	0.1	2.44
1837	400	Battery,Fits Brand American Standard	AMERICAN STANDARD	A923654-0070A	Plumbing	4THK8	EA	1	27.59	0.2	10.91
1838	400	Leather Palm Gloves,Beige,XL,	MCR SAFETY	1700XL	Safety	2ELF8	PR	1	17.04	0.19	8.1
1839	400	Safety Glasses,Smoke	EDGE EYEWEAR	DZ116-G2	Safety	25AX63	EA	1	8.31	0.19	5.4
1840	400	Mechanics Gloves,L/9,9",PR	IRONCLAD	G-EXMPG-04-L	Safety	45VK44	PR	1	13.68	0.19	5.19
1841	400	Key Reel,Kevlar(R),Loop Fits 2 In Belts	KEY-BAK	0483-821	Security	1TCX4	EA	1	23.47	0.15	12.89
1842	400	Coin Battery,Lithium,3VDC,2450	ENERGIZER	ECR2450BP	Electronics, Appliances, and Batteries	45EK17	EA	1	6.27	0.19	2.72
1843	400	PVP Wipes,Antiseptics,PK10	FIRST AID ONLY	12-015	Safety	39N899	PK	10	2.97	0.19	1.36
1844	400	Bungee Strap,Black,36" L	THE BETTER BUNGEE	BBS36GBK	Material Handling	46CA75	EA	1	11.96	0.15	6.21
1845	400	Fuse Holder,0 to 15A,Glass/Ceramic,1 Pl	BUSSMANN	HLR-2A	Electrical	49ZU57	EA	1	9.31	0.23	4.58
1846	400	Key Blank,BEST Lock,Standard,WH Keyway	BEST	1AP1WH1KS567KS800	Security	425P71	EA	1	6.85	0.15	5.28
1847	400	Cleaner/Degreaser,Unscented,20oz,Aerosol	SIMPLE GREEN	0610001219010	Cleaning	22NX98	EA	1	8.48	0.22	3.87
1848	400	Plug-In CFL Bulb,13W,780 lm,4100K	SYLVANIA	CF13DD/841/ECO	Lighting	56GK09	EA	1	3.82	0.22	2.98
1849	400	Bungee Cord,Multicolored,13" L,5/16" W	KEEPER	06014	Material Handling	55JF74	EA	1	1.97	0.15	1.24
1850	400	Corr Shelf Bin,White,Cardboard,4 3/4 in	PACKAGING CORPORATION OF AMERICA	1W772	Material Handling	1W772	EA	1	1.61	0.15	1.13
1851	400	Wired Relay,10-30VAC/DC, 120VAC,10A,SPDT	RIB	RIBU1C	Electrical	5LE35	EA	1	21.04	0.23	13.68
1852	400	Tape Measure,3/4 In x 12 ft,Chrome,In/Ft	STANLEY	33-312	Hand Tools	6A496	EA	1	19.05	0.14	10.8
1853	400	Plug-In CFL Bulb,2700K,26W,17,000 hr	CURRENT	F26DBX/827/ECO4P	Lighting	1PGY4	EA	1	9.24	0.22	5.51
1854	400	Flapper,Universal Fit	KORKY	2001GR	Plumbing	2XLC9	EA	1	5.57	0.2	3.46
1855	400	Instant Adhesive,0.07 fl oz,Tube	SUPER GLUE	15109	Adhesives, Sealants and Tape	3EHP6	EA	1	2.07	0.1	1
1856	400	Cable Tie,13.4 in,Black,PK50	TY-RAP	TY527MX	Electrical	3KH13	PK	50	74.49	0.23	33.98
1857	400	Hang and Stack Bin,Yellow,PP,7 in	QUANTUM STORAGE SYSTEMS	QUS250YL	Material Handling	9HZ56	EA	1	24	0.15	13.58
1858	400	Nut,Fits Delta	DELTA	RP22734	Plumbing	10N725	EA	1	11.49	0.2	8.27
1859	400	Door Stop,Silver,1InLx2-1/2InHx2-1/2InW	IVES	WS406/407CCV US32D	Hardware	32MD04	EA	1	5.24	0.05	4
1860	400	Plug-In CFL Bulb,42W,3200 lm,3500K	SYLVANIA	CF42DT/E/IN/835/ECO	Lighting	56GK64	EA	1	6.71	0.22	5.23
1861	400	Linear FLUOR Bulb,T12,23-3/4"L,G13,4100K	CURRENT	F20T12/CW/ECO	Lighting	6NB14	EA	1	6.82	0.22	2.93
1862	400	Automotive Fuse,5A,Blade,ATC Series	BUSSMANN	ATC-5	Electrical	1BZ40	EA	1	1.89	0.23	0.7
1863	400	Spray Paint Primer,Gloss,Gray,12 oz	COLORMAXX	K05513007	Paint, Equipment and Supplies	800T29	EA	1	11.76	0.12	8.8
1864	400	Cleaner/Degreaser,24oz,Trig Spray Bottle	SIMPLE GREEN	0610001219024	Cleaning	22C614	EA	1	9.86	0.22	5.41
1865	400	Surface-Conditioning Disc,2 in Dia,TR	SCOTCH-BRITE	7000000750	Abrasives	4ZR33	EA	1	2.53	0.1	1.64
1866	400	Glove Liners,L/9,10-1/2",PR	REFRIGIWEAR	0301RGRALAR	Safety	32XK39	PR	1	1.88	0.19	1.37
1867	400	Twist On Wire Connector,600 V,PK100	IDEAL	30-452	Electrical	6YH59	PK	100	33.32	0.23	14.41
1868	400	Leather Gloves,9,Goatskin,PR	RINGERS GLOVES	664-09	Safety	115N39	PR	1	49.44	0.19	36.04
1869	400	Elbow,90 Deg,Wrot Copper,2" Tube	NIBCO	U607 2	Plumbing	5P057	EA	1	18.76	0.2	13.51
1870	400	Keyed Padlock,1 in,Rectangle,Gold	MASTER LOCK	4150KA	Security	4YH26	EA	1	16.2	0.15	8.25
1871	400	Tie Down Strap,Ratchet,Tuff-Edge,20 ft.	LIFT-ALL	TE60513X20	Material Handling	3LLG3	EA	1	58.38	0.15	30.74
1872	400	Vacuum Bag,Cloth,3-Ply,Non-Reusable,PK10	ATRIX	VACBP6-10P	Cleaning	21AD05	PK	10	56.46	0.22	25.95

CITY OF TUCSON, RFP #240078; MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES

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Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1873	400	Hex/Torx Bit Set,Pieces 32	KLEIN TOOLS	32525	Power Tools	3MJA9	EA	1	32.88	0.11	19.47
1874	400	Disposable Gloves,Nitrile,XL,PK100	MICROFLEX	N734	Safety	6PHK6	PK	100	15.67	0.19	10.52
1875	400	Coated Gloves,Full,Foam,Nitrile,XL,PR	SHOWA	377XL-09	Safety	4THG2	PR	1	11.23	0.19	6.89
1876	400	Spud,Universal Fit	DEARBORN BRASS	4028	Plumbing	20JX51	EA	1	11.03	0.2	6.71
1877	400	Photocontrol Turn-Lock,120 to 277VAC	TORK	5237-UL	Electrical	31EK23	EA	1	33.03	0.23	21.47
1878	400	First Aid Kit,Bulk,Orange,107Pcs,1 Ppl	FIRST AID ONLY	FAO-420	Safety	5GKD6	EA	1	25.97	0.19	11.58
1879	400	Nitrile Exam Gloves,PK100	MICROFLEX	93-732	Safety	795GG1	PK	100	12.77	0.19	8.89
1880	400	Metal Polish,10 oz,Aerosol Spray Can	SHEILA SHINE	SH-AERO	Cleaning	5URF7	EA	1	17.8	0.22	7.99
1881	400	Plug-In CFL Bulb,2700K,26W,10,000 hr	CURRENT	F26DBX/827/ECO	Lighting	1PGX9	EA	1	10.26	0.22	5
1882	400	Manhole Cover Hook, 24 In	CHERNE	015443	Safety	3TCR4	EA	1	76.96	0.19	44.53
1883	400	Disposable Gloves,Nitrile,L,PK250	MICROFLEX	XC-310-L	Safety	12U407	PK	250	67.63	0.19	20.71
1884	400	Angle Grinder Blade,4-1/2"x.050"x7/8"	LENOX	1972921	Power Tools	48RW98	EA	1	23.69	0.11	11.99
1885	400	Spud,Universal Fit	KISSLER	57-0520	Plumbing	23YV78	EA	1	14.76	0.2	7.59
1886	400	Engine Oil,10W-30,Conventional,1qt	VALVOLINE	797578	Fleet and Vehicle Maintenance	1UBX2	EA	1	8.38	0.08	5.28
1887	400	Glue Trap,7-5/8 in. L,5 in. W	KNESS PEST DEFENSE	106-0-006	Outdoor Equipment	6VFA2	EA	1	1.93	0.12	0.94
1888	400	LED,30 W,T8,Single Pin (Fa8)	PHILIPS	30T8/PRO/96-850/IF42/G/FA8 10/1	Lighting	494F14	EA	1	33.71	0.22	21.22
1889	400	Disposable Respirator,M/L,N95,PK10	MOLDEX	2300N95	Safety	1DLL8	PK	10	49.13	0.19	27.2
1890	400	Barricade Tape,Caution,Yllw,Roll 3"	QUEST	Y35M31000C-12	Security	444P17	EA	1	17.42	0.15	9.96
1891	400	Weatherproof Cover,Die-Cast Zinc,Gray	BELL	5103-0	Electrical	3KH40	EA	1	8.47	0.23	5.13
1892	400	Handle Coupling,Sloan	SLOAN	A6	Plumbing	2XU42	EA	1	10.13	0.2	5.6
1893	400	First Aid Kit,Plastic,34 Pieces	FIRST AID ONLY	FAO-112	Safety	40JH37	EA	1	7.51	0.19	4.49
1894	400	Paint Brush,1.5",Angle Sash,PET,2 7/16"L	WOOSTER	P3970-1 1/2	Paint, Equipment and Supplies	38UX21	EA	1	5.26	0.12	3.51
1895	400	Toilet Paper Roll,1125,White,19372,PK18	GEORGIA-PACIFIC	19372	Cleaning	3APV8	PK	18	122.99	0.22	53.94
1896	400	Label Cartridge,Black/White,3/4 In. W	BRADY	M21-750-499	Safety	3PXW5	EA	1	58.33	0.19	29.21
1897	400	Basketball Goal Net	SPALDING	8284SR	Furniture, Hospitality and Food Service	12R287	EA	1	20.74	0.05	9.88
1898	400	Construction Film,10x25,3Mil,Clear	POLAR PLASTICS	GC1025	Paint, Equipment and Supplies	15J252	EA	1	20.07	0.12	11.62
1899	400	Faucet Cap,Chrome,Adjustable Ring	DELTA	RP50	Plumbing	1NNX7	EA	1	20.29	0.2	9.56
1900	400	Storage Tote,Clear/White,Polypropylene	STERILITE	19849806	Material Handling	39UV72	EA	1	12.19	0.15	6.42
1901	400	Wax Ring,Universal Fit	HERCULES	90241	Plumbing	39AT81	EA	1	6.72	0.2	3.55
1902	400	Faucet Connector,5/16" ID x 12" L	KISSLER	88-3910	Plumbing	31XJ62	EA	1	5.12	0.2	3.69
1903	400	Mechanics Gloves,Black,10,PR	MECHANIX WEAR	MFF-05-010	Safety	16V425	PR	1	21.94	0.19	10.55
1904	400	LED Lamp,T8 Bulb Shape,32 W,1600 lm	PHILIPS	8.9T8/MAS/48-850/IF16/P/DIM 10/1	Lighting	61LA69	EA	1	20.82	0.22	12.22
1905	400	Exam Glove,Nitrile,Size S,PK100	MICROFLEX	92-134	Safety	793JR2	PK	100	12.38	0.19	8.2
1906	400	Linear LED Bulb,T8,48" L,G13,5000K	CURRENT	LED10ET8/G/4/850	Lighting	467W27	EA	1	16.94	0.22	8.3
1907	400	Safety Glasses,Clear	HONEYWELL UVEX	A700	Safety	2TFW9	EA	1	4.66	0.19	1.81
1908	400	Safety Pin,3.75 in L,0.25 in dia,Steel	BUYERS PRODUCTS	66070	Fasteners	426V17	EA	1	1.13	0.32	0.77
1909	400	Hand-Held Metal Detector, Plastic	GARRETT METAL DETECTORS	1165190	Security	10A457	EA	1	179.96	0.15	147.57
1910	400	Disposable Gloves,Nitrile,L,PK100	MCR SAFETY	6062L	Safety	49DA84	PK	100	30.15	0.19	18.87
1911	400	While In Use Weatherproof Cover,Vertical	TAYMAC	MX3200	Electrical	38R682	EA	1	26.05	0.23	11.71
1912	400	Rubber Boot,Unisex,11,Knee,Black,PR	DUNLOP	8677533	Safety	470P62	PR	1	24.81	0.19	15.76
1913	400	Cord Connector,Nylon,Overall L 1.11in	HUBBELL WIRING DEVICE-KELLEMS	31622003L	Electrical	2DZG6	EA	1	0.76	0.23	0.49
1914	400	ProPress 90 elbow, 2" x 2"	VIEGA PROPRESS	77042	Plumbing	48RH57	EA	1	79.97	0.2	57.58
1915	400	Paper Towel Sheets,White,120,23000,PK12	GEORGIA-PACIFIC	23000	Cleaning	3JG99	PK	12	89.63	0.22	42.95
1916	400	Square Sign Post Anchor,2.25"x2.25"x36"	TAPCO	1603-00008	Safety	49AE47	EA	1	51.95	0.19	23.38
1917	400	Key Tag,White,1-1/4" W x 1-1/4" H,PK25	LUCKY LINE PRODUCTS	28225	Security	52JU63	PK	25	11.42	0.15	6.51
1918	400	Safety Glasses,Lens Gray,Polycarbonate	MILWAUKEE	48-73-2016	Safety	787UG3	EA	1	11.19	0.19	8.15
1919	400	Scrw Sz10,T25,410SS,1.5"L,PK10	TAMPER-PRUF SCREW	490360	Fasteners	5JU53	PK	10	11.32	0.32	5.91
1920	400	Cut-Off Wheel,4-1/2 D,.045 T,7/8	NORTON	66252843219	Abrasives	33N319	EA	1	5.02	0.1	2.96
1921	400	Shelf Bin,Blue,Indstr Grd Poly,4 in	AKRO-MILS	30120BLUE	Material Handling	5W840	EA	1	4.28	0.15	1.46
1922	400	Alligator Clip,Fully Insulated,PR	IDEAL	770205	Electrical	1XWN8	PR	1	3.16	0.23	1.05
1923	400	Handle,Metal	CHICAGO FAUCETS	665-RKPABCP	Plumbing	6XAF4	EA	1	93.36	0.2	60.22
1924	400	Fuse,Midget,10A,FNQ Series	BUSSMANN	FNQ-10	Electrical	4XC59	EA	1	25.91	0.23	11.62
1925	400	Exposed,Manual Flush Valve,Top Spud	SLOAN	REGAL 110 XL	Plumbing	2VEC8	EA	1	198.24	0.2	106.25
1926	400	Laundry Detergent,Tide,Jug,92 oz,PK4	TIDE	40217	Cleaning	55YC68	PK	4	174.88	0.22	82.8
1927	400	Grain Scoop,48 In. Handle,Poly	TRUE TEMPER	1680100GR	Outdoor Equipment	5GTN4	EA	1	45.37	0.12	28.73
1928	400	Attached Lid Container,Blue,Solid,HDPE	ORBIS	FP182 Blue	Material Handling	8NCY9	EA	1	34.64	0.15	18.64
1929	400	Bit Holder,1/4",1/4",2-3/8"	MILWAUKEE	48-32-4502	Power Tools	5ECA6	EA	1	7.88	0.11	5.12
1930	400	Chemical Resistant Glove,17 mil,Sz 8,PR	ALPHATEC	87-198	Safety	1RL36	PR	1	1.8	0.19	0.98
1931	400	CFL,38 W,PL-T,4-Pin (GX24q-4)	PHILIPS	PL-T 42W/841/A/4P/ALTO	Lighting	492Z29	EA	1	14.47	0.22	8.34
1932	400	Sports Drink Mix,Glacier Cherry,PK10	GATORADE	04458	Safety	61KG07	PK	10	11.39	0.19	8.31
1933	400	Marking Paint,20 oz,Green,Can	KRYLON INDUSTRIAL	A03631007	Paint, Equipment and Supplies	54TH47	EA	1	13.26	0.12	4.31
1934	400	Automotive Fuse,10A,Blade,ATC Series	BUSSMANN	ATC-10	Electrical	1BZ33	EA	1	1.88	0.23	0.53
1935	400	Hand Soap,Pink,1,250 mL,Cranberry,PK4	GOJO	5161-04	Cleaning	56JM27	PK	4	126.79	0.22	80.15
1936	400	Connecting Link,Steel,2 35/64 in	TSUBAKI	80-2 CONNECTING LINK	Power Transmission	6L503	EA	1	13.79	0.19	9.98
1937	400	Riser Clamp,10.25"L,1"W	ANVIL	0500173562	Plumbing	4HYJ9	EA	1	12.05	0.2	8.68
1938	400	Adh Bandage,Fabric,3/4"W,100/Box,PK100	FIRST AID ONLY	H119	Safety	41CP80	PK	100	9.26	0.19	4.84
1939	400	Fluorescent,17 W,T8,Medium Bi-Pin (G13)	PHILIPS	F17T8/TL865 PLUS/ALTO 30PK	Lighting	492X78	EA	1	8.11	0.22	5.44
1940	400	Safety Pin,2.781 in L,0.313 in dia,Steel	BUYERS PRODUCTS	66053	Fasteners	426V11	EA	1	0.99	0.32	0.33
1941	400	Pallet Rack Decking, 42in x 46in	HUSKY RACK & WIRE	4246A3	Material Handling	2JGK5	EA	1	78.6	0.15	29.6
1942	400	Batt Pack,NiMH,1800mAh,Streamlight	STREAMLIGHT	75375	Lighting	11U132	EA	1	28.25	0.22	19.45
1943	400	Funnel,64 oz.,1/2" dia. Spout	FUNNEL KING	94473	Fleet and Vehicle Maintenance	53KJ37	EA	1	19.37	0.08	7.05
1944	400	Gloves,Wrk,Nitrle Dipped,Cut 3 Resist.,L	MILWAUKEE	48-22-8932	Safety	317C20	EA	1	18.84	0.19	13.73
1945	400	Windshield Washer,1 gal. Size,Bottle	PRESTONE	AS657	Fleet and Vehicle Maintenance	49XW63	EA	1	7.16	0.08	3.51
1946	400	Flow Control,Buna-S,7/16inHx3/8inDia	ACORN	0469-007-000	Fasteners	19C783	EA	1	4.55	0.32	2.08
1947	400	Wire Rope Sleeve,1/8 In,304 SS	LOOS	SL11-4	Material Handling	16X829	EA	1	1.78	0.15	1.36
1948	400	Hand Soap,Yellow,1,200 mL,,42714,PK2	GEORGIA-PACIFIC	42714	Cleaning	53JU93	PK	2	108.65	0.22	66.79
1949	400	Emrg Lght,Plst,Nick Cad,0.54W,LED	FULHAM FIREHORSE	FHEM10W	Lighting	35GK11	EA	1	36.65	0.22	20.89
1950	400	Coated Gloves,Black/Blue/Gray,L,PR	SHOWA	S-TEX377L-08	Safety	468G34	PR	1	19.35	0.19	9.54

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Price Page

						Market Basket					
Line #	Estimated Item Usage	Product Description	Manufacturer Name	MFG Part #	Category Description	Part #	UOM	UOM Qty	List Price	Category Discount	MB Price
1951	400	Mounting Strap,Ivory,Steel,Straps	LEGRAND	V504	Electrical	3YY45	EA	1	0.72	0.23	0.35
1952	400	Ranger Hat,Hi-Vis Lime,L/XL	GLOWEAR BY ERGODYNE	23260	Safety	1CXL1	EA	1	22.31	0.19	9.8
1953	400	Silicone Sealant,Clear,Window,Door	DAP	00753	Adhesives, Sealants and Tape	5E077	EA	1	12.41	0.1	4.58
1954	400	Chemical Resistant Glove,26" L,Sz 10,PR	HONEYWELL NORTH	NK803ESIN/10	Safety	1AHJ3	PR	1	54.69	0.19	24.72
1955	400	Disinfecting Wipes,80 ct,Canister,PK6	LYSOL	REC 84251	Cleaning	1XEH7	PK	6	69.98	0.22	42.38
1956	400	Disposable Gloves,Rubber Latex,L,PK100	MICROFLEX	DGP-350-L	Safety	3RRF4	PK	100	22.31	0.19	13.89
1957	400	Insulating Elec Tape,3/4 inx30 ft	3M	130C-3/4X30FT	Adhesives, Sealants and Tape	2A459	EA	1	36.38	0.1	20.87
1958	400	Rubber Boot,Unisex,10,Knee,Black,PR	DUNLOP	8677533	Safety	470P61	PR	1	24.81	0.19	15.76
1959	400	U-Shaped Fluorescent,40 W,T12,G13	PHILIPS	FB40/T12/CW Supreme/6 12PK	Lighting	492Y29	EA	1	20.12	0.22	10
1960	400	Plug-In CFL Bulb,3500K,39W,12,000 hr	CURRENT	F39BXSPX35RS10PK	Lighting	6V066	EA	1	20.12	0.22	8.3
1961	400	Roller Cover,9"L,1 1/4"Nap,Poly/Wool	PREMIER	9KW2-125	Paint, Equipment and Supplies	24K677	EA	1	8	0.12	5.07
1962	400	Fluorescent,32 W,T8,Medium Bi-Pin (G13)	PHILIPS	F32T8/TL835 PLUS ALTO 30PK	Lighting	492X59	EA	1	8.16	0.22	3
1963	400	Wire Wheel Brush,Twisted,Carbon Steel	NORTON	66252839111	Abrasives	483P47	EA	1	6.58	0.1	3.06
1964	400	CutOff Wheel,A60S,5"x.045"x7/8",12200rpm	UNITED ABRASIVES-SAIT	22235	Abrasives	22PT33	EA	1	5.17	0.1	2.67
1965	400	BlnkBxMntWllPlt,Mid;Wht,1Gng,Smth Stn	HUBBELL	PJ13W	Electrical	55KU41	EA	1	1.53	0.23	0.69
1966	400	Foam Brush,2 in,Foam,Polyurethane Foam	WOOSTER	3102-2	Paint, Equipment and Supplies	38UX05	EA	1	0.94	0.12	0.48
1967	400	Ring Buoy Rope Bag,90 ft	MUSTANG SURVIVAL	MRD190-0-0-215	Safety	11N742	EA	1	58.79	0.19	35.34
1968	400	LED,10 W,A19,Medium Screw (E26),PK4	CURRENT	LED10DA19/827/E-4PK	Lighting	796FT2	PK	4	27.48	0.22	19.67
1969	400	RTV Silicone Sealant,8 oz,Clear	ANTI-SEIZE TECHNOLOGY	27086	Adhesives, Sealants and Tape	5E145	EA	1	34.21	0.1	13.33
1970	400	Coated Gloves,Gray/Green,8	SHOWA	350M-08	Safety	12R280	PR	1	5.13	0.19	2.64
1971	400	Texas Flagging Tape,Grn,300ft x 1-3/16In	PRESCO PRODUCTS CO	TXG-200	Security	3JWA7	EA	1	2.69	0.15	1.9
1972	400	Aerated Outlet,Brass,13/16 in - 27	NEOPERL	5501505	Plumbing	4XGG8	EA	1	1.78	0.2	1.16
1973	400	Tape Measure,1-1/4 Inx35 ft,Yellow/Black	STANLEY	33-735	Hand Tools	3TB92	EA	1	54.8	0.14	32.35
1974	400	Metering Cartridge	CHICAGO FAUCETS	665-190KJKABNF	Plumbing	26Y193	EA	1	42.25	0.2	21.94
1975	400	Hard Hat,Type 1, Class E,Ratchet,White	BULLARD	30WHR	Safety	9FGT3	EA	1	34.84	0.19	18.54
1976	400	Spray Paint,Black,Ultra-Flat,12 oz	RUST-OLEUM	1676830V	Paint, Equipment and Supplies	783AE8	EA	1	12.89	0.12	8.51
1977	400	Filler Plate,Flush,0.99inW	SQUARE D	HOMFP	Electrical	1D525	EA	1	5.26	0.23	3.16
1978	400	Disposable Gloves,Nitrile,2XL,PK100	MCR SAFETY	6062XXL	Safety	49DA88	PK	100	30.15	0.19	18.87
1979	400	Handle,Zinc	GERBER	98-014	Plumbing	10R217	EA	1	19.12	0.2	13.77
1980	400	Graffiti PaintRemoverTowels,12"x10",30ct	ITW DYMON	9013049490	Cleaning	4HK51	EA	1	19.93	0.22	11.93
1981	400	Foot Warmer,7-3/4 in. x 2-3/4 in.,PK5	HOTHANDS	HFINS5PK	Safety	26KF13	PK	5	16.39	0.19	8.56
1982	400	Keyed Padlock, 9/16 in,Rectangle,Gold	MASTER LOCK	4130KAWWG	Security	4YH22	EA	1	8.87	0.15	4.1
1983	400	Closet Auger,1/2" dia. x 6 ft. L Cable	RIDGID	K-6P	Hand Tools	476G21	EA	1	99.29	0.14	57.13
1984	400	Instant Cold Pack,White,5inL x 9inW,PK24	DYNAREX	4512	Safety	36PV27	PK	24	49.55	0.19	19.66
1985	400	Sleeve Coupling Insert,6JE,EPDM Rubber	TB WOODS	6J	Power Transmission	32ZP57	EA	1	46.15	0.19	25.71
1986	400	LH Ceramic Cartridge	CHICAGO FAUCETS	1-100XKJKABNF	Plumbing	5UTV8	EA	1	40.84	0.2	20.76
1987	400	Cartridge Filter,Paper,Reusable	MILWAUKEE	49-90-1900	Cleaning	3APH8	EA	1	40.73	0.22	22.08
1988	400	Floor Safety Sign,Yellow,HDPE,25 in H	RUBBERMAID COMMERCIAL PRODUCTS	FG611200YEL	Safety	3U953	EA	1	43.21	0.19	13.93
1989	400	Fire Barrier Sealant,Tube,10.1 oz	3M	CP-25WB+10.1OZ	Safety	5Z337	EA	1	23.85	0.19	11.53
1990	400	Spray Paint,White,Gloss,12 oz	RUST-OLEUM	1692830V	Paint, Equipment and Supplies	783AF2	EA	1	12.89	0.12	8.51
1991	400	Keyed Padlock, 5/8 in,Rectangle,Silver	MASTER LOCK	3KA	Security	1A446	EA	1	16.33	0.15	7.8
1992	400	Lubricant,2 oz.,Dropper Bottle	TRI-FLOW	TF21010	Lubrication	3JDL7	EA	1	8.62	0.1	4.38
1993	400	Glove,Blk Nitrl PlmCoat,Gry,11	HYFLEX	11-801	Safety	1FEW6	PR	1	6.49	0.19	4.11
1994	400	Connector,Steel,Overall L 1 29/32in	RACO	2904	Electrical	43GY39	EA	1	2.94	0.23	1.31
1995	400	Key Blank,For 4DED5,Bright Brass	COMPX NATIONAL	D4291	Security	4DEF9	EA	1	2.15	0.15	1.4

CITY OF TUCSON, RFP #240078;
MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES, PARTS, EQUIPMENT, MATERIALS AND RELATED SERVICES
Attachment B - Category Discounts

Category	Percentage Discount off List Price (%)
Abrasives	10%
Adhesives, Sealants, and Tape	10%
Cleaning	22%
Electrical	23%
Electronics, Appliances, and Batteries	19%
Fasteners	32%
Fleet and Vehicle Maintenance	8%
Furniture, Hospitatlity and Food Service	5%
Hand Tools	14%
Hardware	5%
HVAC and Refridgeration	17%
Lab Supplies	7%
Lighting	22%
Lubrication	10%
Machining	7%
Material Handling	15%
Motors	19%
Office Supplies	5%
Outdoor Equipment	12%
Paint, Equipment and Supplies	12%
Pipe, Hose, Tubing & Fittings	20%
Plumbing	20%
Pneumatics	11%
Power Tools	11%
Power Transmission	19%
Pumps	7%
Safety	19%
Security	15%
Test Instruments	7%
Welding	10%
(Other)	5%

P.O. request CHECKLIST for Bids/Quotes

(Check applicable)

P.O. for: As-needed Equipment Rentals W/WW Division
Account #: 501900-6908 ($50,000); 521900-6908 ($40,000)
Vendor: Herc Rentals, Inc.
Amount: $90,000

1.	☑	PR
2.	☐	Solicitation (RFB/Q) and NIB
3.	☐	Bid Responses/Analysis/Sole Source/City Clerk Tabulation
4.	☐	Single Bid Survey
5.	☑	W9
6.	☑	Insurance
7.	☐	Bond
8.	☐	Business License
9.	☐	Staff Report (signed)
10.	☐	Agreement (signed)
11.	☐	City Council Minutes/Council Approval
12.	☐	SAM (Purchasing-internal) over $20,000

Completed By: _____ Date: 4/8/25

Herc Rentals Inc.

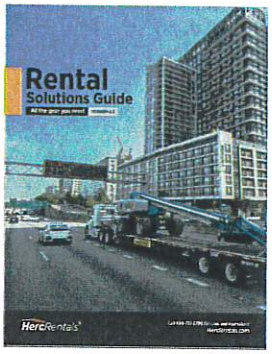
Equipment Rental and Related Services

Herc Rentals

Overview
Contract Documentation
ProControl and Telematics
Equipment Solutions
Power Solutions
Heating Solutions
Cooling Solutions
Emergency Response
Testimonials
Resources

U.S. Communities and National IPA, both wholly-owned subsidiaries of OMNIA Partners, have come together as OMNIA Partners, Public Sector. All public sector participants already registered with National IPA or U.S. Communities continue to have access to all contracts, with certain exceptions, in the portfolio and do not need to re-register to use a legacy National IPA, legacy U.S. Communities, or new OMNIA Partners contract. U.S. Communities and National IPA remain separate legal entities and lead agency contracts completed under each brand are effective and available for use through the contract's approved term. In the event we believe re-registration is necessary for any reason, OMNIA Partners will let you know.

REQUEST CONTRACT INFORMATION



Equipment Rentals and Related Products and Services

City of Charlotte, NC

Contract Number: 2019000318

November 1, 2018 through October 31, 2023
Option to renew for (2) additional two-year periods through October 31, 2027
RENEWED THROUGH October 31, 2025

Executive Summary

- Uniform Guidance
- Pricing
- Due Diligence

Master Agreement Documents

- 2019000318 Master Agreement
- New Jersey Disclosure
- 2019000318 Amendment 1
- 2019000318 Amendment 2
- 2019000318 Amendment 3
- 2019000318 Amendment 3 with Pricing
- 2019000318 Amendment 4
- 2019000318 Amendment 5
- 2019000318 Amendment 6
- 2019000318 Amendment 7
- 2019000318 Amendment 8

Response Evaluation

- Evaluation Documents

Solicitation Process

- RFP 269-2008-047
- RFP 269-2008-047 Addendum 1
- RFP 269-2008-047 Addendum 2
- RFP 269-2008-047 Posting Document

SUPPLIER WEBSITE

Rebates
We have added additional value to the program by offering a volume incentive rebate, effective January 1, 2019 to all PPA's as follows:

- $50,000 to $100,000 = 0.5%
- $100,001 to $250,000 = 1.0%
- $250,001 to $500,000 = 1.5%
- $500,001 to $750,000 = 2.0%
- $750,001 to $1,000,000 = 2.5%
- $1,000,001+ = 3.0%

PPAs will be eligible for this rebate beginning on January 1, 2019, and will be paid within ninety (90) days or sooner of calendar year end. Any agency that starts the program after the first of the year will be prorated. The program will reset every year on January 1st.
To receive the volume incentive the PPA must be in good credit standing with Herc and up to date with their payables.

Additional Savings
Herc is providing additional cost savings by removing our Environmental and Emissions Surcharge which equates to approximately 2% of every transaction and a cost Herc incurs to meet the highest standards of equipment and service. Herc is also waiving the vehicle licensing fee which saves customers up to $2.50 per day and absorbing the transportation surcharge as part of our delivery fees, equating to a 6% savings.

Emergency Response
Throughout our history, we have been heavily involved with disaster preparedness and relief; most recently, before, during and after Hurricane Harvey and Hurricane Irma. As a disaster event occurs or is anticipated, Herc actively monitors the situation and mobilizes equipment in preparation for response and relief efforts. Our presence in the affected areas will deliver power generation, climate control, dehumidification and water removal, as well as other solutions, depending on the event.
In the event of a disaster and due to our long-standing relationship, Herc will honor the contractual pricing for our standard single shift. Double and triple shifts will be billed accordingly based on customer needs. Herc, in reflecting our partnership throughout the years will not mandate a minimum duration, which is standard in the industry.

Exhibit A
Discount Structure, Market Basket Pricing, Additional Fees and Incentives

This Discount Structure, Market Basket Pricing, and Additional Fees are an Exhibit to and is incorporated into the Contract between the City of Charlotte and Herc Rentals Inc. ("the Contract"). Capitalized terms not defined in this Exhibit shall have the meanings assigned to such terms in the Contract.

Company must maintain the following fixed percentage discounts off the Company's most current published price list for the life of the Contract. All charges by the Company to the City and/or any Participating Public Agency must not exceed the pricing included in this Exhibit.

The rebate structure offered by the Company will go into effect on January 1, 2019 for the calendar year 2019.

Participating Public Agencies (PPA) can elect to sign the Company's Platinum Pricing Program Agreement under which the PPA will be offered selective pricing levels by the Company in return for PPA's promise to rent equipment exclusively from the Company during the term of the contract, subject to laws and regulations controlling in the PPA's jurisdiction.

RFP #269-2018-047 - HEAVY DUTY RENTAL AND RELATED PRODUCTS AND SERVICES

Category	Category	Discount (% from published/book rate)	Comments
1	Accessories	17% off Day; 19% off Week; 21% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
2	Accessories - Backhoe Bucket Trench	23% off Day; 40% off Week; 60% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
3	Aerial - Driveable Mast Lift	31% off Day; 40% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
4	Aerial - Driveable Mast Lift 20 FT	32% off Day; 47% off Week; 51% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
5	Aerial - Mast Style Boom Lifts	31% off Day; 37% off Week; 23% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
6	Aerial - Push Around Lifts	24% off Day; 29% off Week; 35% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
7	Aerial Equipment - 105-135' Boom	37% off Day; 37% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
8	Aerial Equipment - 12-15' Scissor Lifts	36% off Day; 45% off Week; 51% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
9	Aerial Equipment - 150-185' Boom	15% off Day; 15% off Week; 15% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
10	Aerial Equipment - 19' Scissor Lifts Narr	32% off Day; 47% off Week; 51% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
11	Aerial Equipment - 19' Scissor Lifts Narr	38% off Day; 48% off Week; 54% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
12	Aerial Equipment - 20' Scissor Lifts	41% off Day; 44% off Week; 48% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
13	Aerial Equipment - 26' 32-46" Scissor Lif	37% off Day; 44% off Week; 52% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
14	Aerial Equipment - 26' 69" Scissor Lifts	37% off Day; 37% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
15	Aerial Equipment - 26' Scisso Lifts Aviat	37% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
16	Aerial Equipment - 30-34' DSL/DF Boom	37% off Day; 46% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
17	Aerial Equipment - 30-34' Electric Boom	37% off Day; 49% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
18	Aerial Equipment - 30-34' Hybrid Boom	37% off Day; 49% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
19	Aerial Equipment - 32' 32" Scissor Lifts	35% off Day; 37% off Week; 52% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
20	Aerial Equipment - 32' 46" Scissor Lifts	31% off Day; 38% off Week; 53% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
21	Aerial Equipment - 33-35' 68-69" Scisso	37% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
22	Aerial Equipment - 40-45' DSL/DF Boom	37% off Day; 50% off Week; 46% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
23	Aerial Equipment - 40-45' Electric Boom	32% off Day; 46% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
24	Aerial Equipment - 40-45' Scissor Lifts	37% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
25	Aerial Equipment - 60' Crawler Boom	20% off Day; 15% off Week; 20% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
26	Aerial Equipment - 60' Electric Boom	23% off Day; 24% off Week; 27% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
27	Aerial Equipment - 60' Hybrid Boom	28% off Day; 27% off Week; 30% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
28	Aerial Equipment - 60-65' DSL/DF Boom	37% off Day; 49% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
29	Aerial Equipment - 80-85' Boom	37% off Day; 49% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
30	Aerial Equipment - Compact Crawler Bo	14% off Day; 19% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
31	Aerial Equipment - Rough Terrain Scisso	32% off Day; 37% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
32	Aerial Equipment - Towable Boom	28% off Day; 32% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
33	Air Filtration	19% off Day; 24% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
34	Air Moving Equipment	17% off Day; 24% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
35	Air Tools and Accessories	18% off Day; 27% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
36	Chillers and Air Handlers	19% off Day; 23% off Week; 26% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
37	Cleaning and Restoration	19% off Day; 26% off Week; 29% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
38	Compaction Equipment - Attachments	16% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
39	Compaction Equipment - Plate Compact	26% off Day; 47% off Week; 53% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
40	Compaction Equipment - Plate Compact	26% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
41	Compaction Equipment - Rammer Electr	27% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
42	Compaction Equipment - Rammer Jump	27% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
43	Compaction Equipment - Rammer Jump	26% off Day; 47% off Week; 59% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
44	Compaction Equipment - Rammer Sand	26% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.

45	Compaction Equipment - Roller Ride-On	19% off Day; 28% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
46	Compaction Equipment - Roller Ride-On	15% off Day; 11% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
47	Compaction Equipment - Roller Ride-On	15% off Day; 11% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
48	Compaction Equipment - Roller Ride-On	37% off Day; 50% off Week; 58% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
49	Compaction Equipment - Roller Ride-On	15% off Day; 11% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
50	Compaction Equipment - Roller Ride-On	19% off Day; 28% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
51	Compaction Equipment - Tamper	18% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
52	Compaction Equipment - Trench Roller	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
53	Compaction Equipment - Walkbehind Ro	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
54	Compressors - Offshore	19% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
55	Compressors - Portable	18% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
56	Compressors - Reciprocating	18% off Day; 28% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
57	Compressors - Rotary	19% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
58	Compressors - Stationary	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
59	Compressors - Towable 100-125 CFM	19% off Day; 36% off Week; 39% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
60	Compressors - Towable 175-195 CFM	30% off Day; 50% off Week; 60% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
61	Compressors - Towable 200-245 CFM	19% off Day; 36% off Week; 39% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
62	Compressors - Towable 375-425 CFM	19% off Day; 36% off Week; 39% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
63	Compressors - Towable 750-1600 CFM	14% off Day; 19% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
64	Compressors - Towable IQ 750-1600 CFI	14% off Day; 19% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
65	Concrete and Masonry Equipment	18% off Day; 26% off Week; 30% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
66	Cooling and Heating Equipment	19% off Day; 23% off Week; 30% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
67	Cranes	14% off Day; 15% off Week; 15% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
68	Earth Moving - Backhoes 115HP+	28% off Day; 32% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
69	Earth Moving - Backhoes 70-97HP 2WD	31% off Day; 33% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
70	Earth Moving - Backhoes 70-97HP 4WD	37% off Day; 40% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
71	Earth Moving - Backhoes 70-97HP 4WD	34% off Day; 33% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
72	Earth Moving - Backhoes 70-97HP 4WD	37% off Day; 40% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
73	Earth Moving - Backhoes 70-97HP 4WD	37% off Day; 40% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
74	Earth Moving - Backhoes 98-115HP	28% off Day; 32% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
75	Earth Moving - Compact Backhoes	19% off Day; 19% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
76	Earth Moving - Compact Loader	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
77	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
78	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
79	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
80	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
81	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
82	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
83	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
84	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
85	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
86	Earth Moving - COMPACT TRACK LOADE	21% off Day; 26% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
87	Earth Moving - Compact Track Loaders	21% off Day; 26% off Week; 47% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
88	Earth Moving - Compact Track Loaders	21% off Day; 26% off Week; 49% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
89	Earth Moving - Dozers	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
90	Earth Moving - EXCAVATOR 28000-3800	37% off Day; 41% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
91	Earth Moving - EXCAVATOR 28000-3800	33% off Day; 40% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
92	Earth Moving - EXCAVATOR 39000-4200	29% off Day; 33% off Week; 36% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.

93	Earth Moving - EXCAVATOR 43000-4999	24% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
94	Earth Moving - EXCAVATOR 43000-4999	37% off Day; 38% off Week; 40% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
95	Earth Moving - EXCAVATOR 50000-5999	24% off Day; 28% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
96	Earth Moving - EXCAVATOR 50000-5999	24% off Day; 28% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
97	Earth Moving - EXCAVATOR 50000-5999	24% off Day; 28% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
98	Earth Moving - EXCAVATOR 50000-5999	24% off Day; 28% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
99	Earth Moving - EXCAVATOR 60000-6999	24% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
100	Earth Moving - EXCAVATOR 60000-6999	23% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
101	Earth Moving - EXCAVATOR 70000-8000	23% off Day; 28% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
102	Earth Moving - Mini Track Loaders	14% off Day; 14% off Week; 14% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
103	Earth Moving - Mini-Excavators 12000-1	21% off Day; 25% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
104	Earth Moving - Mini-Excavators 12000-1	21% off Day; 25% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
105	Earth Moving - Mini-Excavators 14000-1	37% off Day; 43% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
106	Earth Moving - Mini-Excavators 14000-1	37% off Day; 43% off Week; 43% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
107	Earth Moving - Mini-Excavators 2000-69	21% off Day; 25% off Week; 53% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
108	Earth Moving - Mini-Excavators 5000-69	21% off Day; 25% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
109	Earth Moving - Mini-Excavators 7000-89	21% off Day; 25% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
110	Earth Moving - Mini-Excavators 7000-89	21% off Day; 27% off Week; 55% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
111	Earth Moving - Mini-Excavators 9000-11	22% off Day; 25% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
112	Earth Moving - Mini-Excavators 9000-11	21% off Day; 22% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
113	Earth Moving - Mini-Excavators Hybrid	22% off Day; 25% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
114	Earth Moving - SKIDSTEER LOADER 1751	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
115	Earth Moving - SKIDSTEER LOADER 1751	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
116	Earth Moving - SKIDSTEER LOADER 250-	14% off Day; 14% off Week; 15% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
117	Earth Moving - SKIDSTEER LOADER 250-	14% off Day; 14% off Week; 14% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
118	Earth Moving - SKIDSTEER LOADER OVE	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
119	Earth Moving - SKIDSTEER LOADER OVE	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
120	Earth Moving - Skidsteer Loaders 1200-	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
121	Earth Moving - Skidsteer Loaders 2100-	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
122	Earth Moving - Skidsteer Loaders 2100-	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
123	Earth Moving - Skidsteer Loaders 2100-	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
124	Earth Moving - Skidsteer Loaders 2100-	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
125	Earth Moving - Skidsteer Loaders 751-2	21% off Day; 30% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
126	Earth Moving - Tractor	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
127	Earth Moving - WHEEL DUMPER 3 TON	19% off Day; 28% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
128	Earth Moving - WHEEL LOADER 2.0-2.4	37% off Day; 37% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
129	Earth Moving - WHEEL LOADER 2.5-3.4	37% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
130	Earth Moving - WHEEL LOADER 3.0-3.4	37% off Day; 44% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
131	Earth Moving - WHEEL LOADER 3.5-3.9	37% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
132	Earth Moving - WHEEL LOADER 4.0-4.5	37% off Day; 37% off Week; 35% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
133	Earth Moving - WHEEL LOADER 4.0-4.5	37% off Day; 43% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
134	Earth Moving - WHEEL LOADER 4.6-5.5	37% off Day; 37% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
135	Floor Care and Surface Prep	17% off Day; 20% off Week; 25% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
136	Forklifts and Accessories - Pallet Lifts, St	16% off Day; 18% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
137	Forklifts and Accessories - Straightmast	19% off Day; 23% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
138	Forklifts and Accessories - Telehandlers	31% off Day; 41% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
139	Forklifts and Accessories - Telehandlers	31% off Day; 37% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
140	Forklifts and Accessories - Telehandlers	31% off Day; 41% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.

141	Forklifts and Accessories - Telehandlers	32% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
142	Forklifts and Accessories - Telehandlers	32% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
143	Forklifts and Accessories - Telehandlers	16% off Day; 16% off Week; 13% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
144	Forklifts and Accessories - Telehandlers	18% off Day; 16% off Week; 13% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
145	Forklifts and Accessories - Telehandlers	35% off Day; 42% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
146	Forklifts and Accessories - Telehandlers	35% off Day; 43% off Week; 45% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
147	Forklifts and Accessories - Telehandlers	23% off Day; 39% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
148	Forklifts and Accessories - Telehandlers	29% off Day; 43% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
149	Forklifts and Accessories - Telehandlers	26% off Day; 41% off Week; 39% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
150	Forklifts and Accessories - Telehandlers	30% off Day; 37% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
151	Forklifts and Accessories - Telehandlers	29% off Day; 43% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
152	Forklifts and Accessories - Telehandlers	28% off Day; 37% off Week; 40% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
153	Forklifts and Accessories - Telehandlers	28% off Day; 37% off Week; 39% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
154	Forklifts and Accessories - Telehandlers	17% off Day; 25% off Week; 26% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
155	Forklifts and Accessories - Telehandlers	13% off Day; 24% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
156	Forklifts and Accessories - Warehouse 1	19% off Day; 23% off Week; 23% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
157	Forklifts and Accessories - Warehouse 3	33% off Day; 40% off Week; 52% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
158	Forklifts and Accessories - Warehouse 5	36% off Day; 43% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
159	Forklifts and Accessories - Warehouse 5	35% off Day; 41% off Week; 52% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
160	Forklifts and Accessories - Warehouse 5	36% off Day; 43% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
161	Forklifts and Accessories - Warehouse 6	33% off Day; 37% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
162	Forklifts and Accessories - Warehouse C	20% off Day; 25% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
163	Fuel Tanks	15% off Day; 16% off Week; 27% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
164	Generators - 10KW	34% off Day; 37% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
165	Generators - 20KW	33% off Day; 45% off Week; 48% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
166	Generators - 30-40KW	33% off Day; 37% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
167	Generators - 55KW	36% off Day; 44% off Week; 40% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
168	Generators - 70-100KW	26% off Day; 30% off Week; 30% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
169	Generators - Aircraft	14% off Day; 14% off Week; 15% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
170	Generators - Portable	18% off Day; 23% off Week; 23% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
171	Generators - Studio	14% off Day; 14% off Week; 14% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
172	Generators 120-200KW	20% off Day; 25% off Week; 36% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
173	Generators 320-1600KW	19% off Day; 23% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
174	Gridless Battery	15% off Day; 20% off Week; 20% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
175	Hydraulic Jacks	18% off Day; 19% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
176	Landscaping	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
177	Lifts-Hoists-Stabilizers	15% off Day; 20% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
178	Light Towers - Halide Electric Mast	45% off Day; 49% off Week; 59% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
179	Light Towers - Halide Manual Mast	34% off Day; 39% off Week; 58% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
180	Light Towers - Specialty	28% off Day; 30% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
181	Lighting Accessories	20% off Day; 29% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
182	Load Banks	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
183	Motor Graders	19% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
184	Paving	14% off Day; 14% off Week; 15% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
185	Power Distribution	19% off Day; 23% off Week; 23% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
186	Pumps and Accessories	19% off Day; 23% off Week; 30% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
187	Refuse Trucks	15% off Day; 14% off Week; 14% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
188	Saws and Accessories	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.

189	Storage Trailers	14% off Day; 14% off Week; 14% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
190	Surveillance Equipment	14% off Day; 14% off Week; 14% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
191	Tools	18% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
192	Traffic Safety - Arrow Board	19% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
193	Traffic Safety - Message Board Full Size	17% off Day; 44% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
194	Traffic Safety - Message Board Full Size	37% off Day; 37% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
195	Traffic Safety - Message Board Mid Size	12% off Day; 40% off Week; 47% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
196	Traffic Safety - Message Board Mid Size	40% off Day; 46% off Week; 52% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
197	Traffic Safety - Radar	18% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
198	Traffic Safety - Vehicle Barrier	18% off Day; 28% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
199	Trailers - Dump	19% off Day; 22% off Week; 26% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
200	Trailers - Enclosed	19% off Day; 19% off Week; 23% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
201	Trailers - Flatbed	19% off Day; 20% off Week; 20% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
202	Trailers - Ground Load	19% off Day; 24% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
203	Trailers - Landscape	18% off Day; 24% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
204	Trailers - Miscellaneous	19% off Day; 23% off Week; 27% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
205	Trailers - Open Top Box	18% off Day; 23% off Week; 27% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
206	Trailers - TILT 10000 LB	37% off Day; 42% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
207	Trailers - TILT 12-13000 LB	19% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
208	Trailers - TILT 14-15000 LB	18% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
209	Trailers - TILT 15000 LB 4FT FIXED TOP L	19% off Day; 24% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
210	Trailers - TILT 16-17000 LB	19% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
211	Trailers - TILT 2-3000 LB	36% off Day; 42% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
212	Trailers - TILT 25-26000 LB	19% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
213	Trailers - TILT 6-7000 LB	36% off Day; 42% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
214	Trailers - Tool Crib	19% off Day; 19% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
215	Trailers - Utility	18% off Day; 23% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
216	Trailers - Vacuum Exc System	19% off Day; 19% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
217	Trailers - Water	19% off Day; 28% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
218	Trenching Equipment	19% off Day; 28% off Week; 34% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
219	Trolleys	15% off Day; 18% off Week; 19% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
220	Utility Vehicles and Carts - Burden	34% off Day; 32% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
221	Utility Vehicles and Carts - Golf	35% off Day; 32% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
222	Utility Vehicles and Carts - Personnel	35% off Day; 33% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
223	Utility Vehicles and Carts - Tour	35% off Day; 32% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
224	Utility Vehicles and Carts - UTV 2 Passer	35% off Day; 32% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
225	Utility Vehicles and Carts - UTV 2 Passer	35% off Day; 33% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
226	Utility Vehicles and Carts - UTV 2 Passer	35% off Day; 32% off Week; 36% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
227	Utility Vehicles and Carts - UTV 2 Passer	35% off Day; 33% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
228	Utility Vehicles and Carts - UTV 4 Passer	35% off Day; 32% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
229	Utility Vehicles and Carts - UTV 4 Passer	35% off Day; 33% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
230	Utility Vehicles and Carts - UTV 4 Passer	35% off Day; 32% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
231	Utility Vehicles and Carts - UTV 4 Passer	35% off Day; 32% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
232	Utility Vehicles and Carts - UTV Specialty	16% off Day; 18% off Week; 17% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
233	Vehicles - 1 Ton Crew Cab	15% off Day; 19% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
234	Vehicles - 1 Ton Standard/Super Cab	15% off Day; 19% off Week; 39% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
235	Vehicles - 1/2 Ton Crew Cab	17% off Day; 21% off Week; 42% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
236	Vehicles - 1/2 Ton Standard/Super Cab	14% off Day; 19% off Week; 51% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.

237	Vehicles - 3/4 Ton Crew Cab	14% off Day; 19% off Week; 40% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
238	Vehicles - 3/4 Ton Standard/Super Cab	16% off Day; 20% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
239	Vehicles - Box Trucks	14% off Day; 19% off Week; 33% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
240	Vehicles - Bucket Trucks 31 FT	25% off Day; 25% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
241	Vehicles - Bucket Trucks 38 FT	25% off Day; 25% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
242	Vehicles - Bucket Trucks 62FT	25% off Day; 25% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
243	Vehicles - Bucket Trucks 85FT	25% off Day; 25% off Week; 24% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
244	Vehicles - Crane Trucks 17T	28% off Day; 28% off Week; 40% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
245	Vehicles - Crane Trucks 18T	37% off Day; 37% off Week; 40% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
246	Vehicles - Crane Trucks 20T	28% off Day; 28% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
247	Vehicles - Crane Trucks 23T	28% off Day; 28% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
248	Vehicles - Crash Trucks	14% off Day; 23% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
249	Vehicles - Dump Truck 12-14 YD Auto	15% off Day; 30% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
250	Vehicles - Dump Truck 12-14 YD Manua	20% off Day; 37% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
251	Vehicles - Dump Truck 22-24 YD	14% off Day; 14% off Week; 14% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
252	Vehicles - Dump Truck 3-4 YD Crew Cab	20% off Day; 30% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
253	Vehicles - Dump Truck 3-4 YD Standard	14% off Day; 30% off Week; 47% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
254	Vehicles - Dump Truck 5-6 YD Crew Cab	14% off Day; 30% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
255	Vehicles - Dump Truck 5-6 YD Standard	22% off Day; 37% off Week; 44% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
256	Vehicles - Dump Truck Articulated 25-30	14% off Day; 19% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
257	Vehicles - Dump Truck up to 2 YD Stand	14% off Day; 30% off Week; 41% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
258	Vehicles - Hi-Rail Stakebody Trucks	15% off Day; 19% off Week; 21% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
259	Vehicles - Hi-Rail Trucks	14% off Day; 19% off Week; 20% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
260	Vehicles - Service Trucks	15% off Day; 19% off Week; 28% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
261	Vehicles - Specialty Trucks	16% off Day; 16% off Week; 18% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
262	Vehicles - Stakebody 12FT, 1.5 - 2 Ton, C	10% off Day; 22% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
263	Vehicles - Stakebody 12FT, 1.5 - 2 Ton, S	10% off Day; 22% off Week; 40% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
264	Vehicles - Stakebody 12FT, Up to 1 Ton,	10% off Day; 22% off Week; 35% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
265	Vehicles - Stakebody 12FT, Up to 1 Ton,	10% off Day; 22% off Week; 39% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
266	Vehicles - Stakebody 16FT-22FT	10% off Day; 22% off Week; 35% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
267	Vehicles - Utility Truck, 1.5 - 2 Ton, Crew	10% off Day; 22% off Week; 36% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
268	Vehicles - Utility Truck, 1.5 - 2 Ton, Stan	10% off Day; 22% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
269	Vehicles - Utility Truck, Up to 1 Ton, Cre	10% off Day; 22% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
270	Vehicles - Utility Truck, Up to 1 Ton, Sta	10% off Day; 24% off Week; 46% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
271	Vehicles - Utility Van	10% off Day; 24% off Week; 46% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
272	Vehicles - Vans	14% off Day; 19% off Week; 32% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
273	Vehicles - Water Trucks 2000 Gallon	37% off Day; 37% off Week; 50% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
274	Vehicles - Water Trucks 4000 Gallon	29% off Day; 30% off Week; 37% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
275	Vehicles - Water Trucks 4000 Gallon 6X6	16% off Day; 19% off Week; 15% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.
276	Welding Equipment	19% off Day; 27% off Week; 38% off Month	Discounts shown reflect average Platinum discount. Platinum rates are 10% less then Gold rates rounded to the nearest dollar.

City Council/Financing Authority Meeting **K. 4.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Consideration of the First Amendment to the Non-Professional Services Agreement with Ferguson Enterprises, LLC for the Water Meter Replacement Project to increase the total compensation amount by 2.5% to $6,915,828.08 and determine this action is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act (Municipal Utilities and Engineering Director Harris)

MOTION(S):

If City Council determines the staff recommendation is appropriate, the following motions are provided:

1. I move that City Council determine that approval of the First Amendment to the Non-Professional Services Agreement with Ferguson Enterprises, LLC is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and

2. I further move that City Council approve the First Amendment to the Non-Professional Services Agreement with Ferguson Enterprises, LLC increasing total compensation by 2.5%.

RECOMMENDATION:

Staff recommends that the City Council determine that approval of the First Amendment to the Non-Professional Services Agreement with Ferguson Enterprises, LLC is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act.

Staff further recommends City Council approval of the First Amendment to the Non-Professional Services Agreement with Ferguson Enterprises, LLC for the Water Meter Replacement Project to increase the total compensation to $6,915,828.08.

DISCUSSION:

On September 5, 2023, the City Council approved a $6,747,257.96 Non-Professional Services Agreement (Agreement) with Ferguson Enterprises, LLC (Ferguson) for the final phase of the Citywide Water Meter Replacement Project (Project). The scope of services consolidated the three (3) remaining Project phases into a larger, single phase to replace and/or upgrade existing potable and non-potable water meters throughout the City's water service area with Automated Metering Infrastructure (AMI) capable meters and/or communication components. This conversion to an AMI-capable water metering system allows meters to be read remotely rather than manually. The Project is partially funded by a $2,722,500 U.S. Department of the Interior Bureau of Reclamation WaterSMART program grant that will reimburse the City for eligible project expenses.

The Project is ninety-five percent (95%) complete and staff is able to read water meters remotely as soon as they are installed. Throughout this final Project phase, several bid item quantity discrepancies were discovered. The original bid schedule underestimated the actual number of water meter vault lids, 3/4", 1", and 2" water meters and registers to be replaced within water meter reading routes 22 and 23. A First Amendment (Amendment) is necessary to adjust the Agreement total compensation to reconcile actual Project costs before the Project is completed. The Amendment revises the total compensation to $6,915,828.08, an increase of $168,570.12 (2.5 %) to the original Agreement total compensation.

Approval of the Amendment is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act, since it can be seen with certainty that doing so will not create a significant environmental impact.

ALTERNATIVES:

City Council may deny the staff recommendation and provide alternate direction.

STRATEGIC PLAN:

N/A

SUBMITTED BY:
John R. Harris, Municipal Utilities and Engineering Director

RECOMMENDED BY:
Charles M. Duggan Jr., City Manager

REVIEWED BY:
Yvette M. Abich Garcia, City Attorney
Janice McConnell, Assistant City Manager
Danielle Garcia, Management Services/Finance Director
Paul Mariscal, Water Utility Manager

PREPARED BY:
John R. Harris, Municipal Utilities and Engineering Director

Fiscal Impact

Fiscal Year:	FY 24/25
Appropriation Required Y/N:	N
Budgeted Y/N:	Y
Account No.:	501900

Discussion:

There is no fiscal impact associated with this action. Sufficient funding remains in the FY 24/25 MUED Water Fund Budget for the additional expense.

Attachments

Non-Professional Services Agreement
20241014 Change Order No. 1_Ferguson
20250520 Change Order No. 2_Ferguson
First Amendment

AGREEMENT TO PERFORM NON-PROFESSIONAL SERVICES FOR EQUIPMENT AND SUPPLIES

This agreement for the provision of supply and replacement of potable and non-potable water meters ("Agreement") is made and entered in this 5th day of September, 2023 ("Effective Date"), by and between the City of Redlands, a municipal corporation, ("City") and Ferguson Enterprises, LLC, a Virginia Limited Liability Company ("Contractor"). City and Consultant are sometimes individually referred to herein as a "Party" and, together, as the "Parties." In consideration of the mutual promises contained herein, City and Contractor agree as follows:

ARTICLE 1 – ENGAGEMENT OF CONTRACTOR

1.1 City hereby engages Contractor to perform water meter installation services for City (the "Services").

1.2 The Services shall be performed by Contractor in a professional manner, and Contractor represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional Contractors in the industry providing like and similar types of Services.

ARTICLE 2 – SERVICES OF CONTRACTOR

2.1 The Services that Contractor shall perform are more particularly described in Exhibit "A," titled "Scope of Services," which is attached hereto and incorporated herein by this reference.

2.2 Contractor shall comply with applicable federal, state and local laws and regulations in the performance of this agreement including, but not limited to, any applicable State prevailing wage laws.

ARTICLE 3 – RESPONSIBILITIES OF CITY

3.1 City shall make available to Contractor information in its possession that may reasonably assist Contractor in performing the Services.

3.2 City designates John R. Harris, Municipal Utilities and Engineering Department Director, as City's representative with respect to performance of the Services, and such person shall have the authority to transmit instructions, receive information, interpret and define City's policies and decisions with respect to performance of the Services.

ARTICLE 4 – PERFORMANCE OF SERVICES

4.1 Contractor shall perform and complete the Services in a prompt and diligent manner. The Services shall commence as of the Effective Date of this Agreement.

4.2 The term of this Agreement shall be for a period of eighteen (18) months from the Effective Date of this Agreement (the "Initial Term"). The City shall have the option to extend the Initial Term of this Agreement by one (1) additional one-year term ("Extended

Term"), on the same terms and conditions, by providing written notice to Contractor at least thirty (30) days prior to the expiration of the Initial Term. The Initial Term and the Extended Terms are hereby collectively, referred to herein as the "Term" of this Agreement.

4.3 If Contractor's Services include deliverable electronic visual presentation materials, such materials shall be delivered in a form, and made available to City, consistent with City Council-adopted policy for the same. It shall be the obligation of Contractor to obtain a copy of such policy from City staff.

ARTICLE 5 – PAYMENTS TO CONTRACTOR

5.1 The compensation for Contractor's performance of the Services shall not exceed the amount of Six Million Seven Hundred Forty-Seven Thousand Two Hundred Fifty-Seven Dollars and Ninety-Six Cents ($6,747,257.96) for the Services provided during the Agreement Term. City shall pay Contractor on a time and materials basis up to the not to not-to-exceed amount in accordance with the rates specified in Exhibit "B," titled "Rate Sheet," which is attached hereto and incorporated herein by reference.

5.2 Contractor shall submit monthly invoices to City describing the Services performed during the preceding month. Contractor's invoices shall include a brief description of the Services performed, the dates the Services were performed, the number of hours spent and by whom. City shall pay Contractor no later than thirty (30) days after receipt and approval by City of Contractor's invoice.

5.3 This Agreement does not constitute an obligation for the City to purchase the quantities indicated in Exhibit "B". The quantities are estimates and are based on the most accurate information available. The purpose of this Agreement is to establish prices for the commodities or services required, in the event that the City needs to purchase such commodities or services. The needs of the City shall govern the amount to be purchased, and the City reserves the right to purchase quantities in excess of the estimates, in shortfall of the estimates, or not to purchase any quantities at all. The Contractor shall offer the best government pricing for test method that are not included in the price list.

5.4 Any notice or other communication required, or which may be given, pursuant to this Agreement, shall be in writing. Any such notice shall be deemed delivered (i) on the date of delivery in person; (ii) five (5) days after deposit in first class registered mail, with return receipt requested; (iii) on the actual delivery date if deposited with an overnight courier; or (iv) on the date sent by facsimile or electronic mail transmission (including PDF), if confirmed with a copy sent contemporaneously by first class, certified, registered or express mail; in each case properly posted and fully prepaid to the appropriate address set forth below, or such other address as a Party may provide notice in accordance with this section:

CITY

City Clerk
City of Redlands
35 Cajon Street
P.O. Box 3005 (mailing)
Redlands, CA 92373
jdonaldson@cityofredlands.org
(909) 798-7531

CONTRACTOR

~~Dan Warner, District Manager~~ Jon P. Price, General Manager
Ferguson Enterprises, LLC
11909 Tech Center Court
Poway, CA 92064
~~Dan.Warner@Ferguson.com~~ jon.price@ferguson.com
(949) 690-4649

ARTICLE 6 – INSURANCE AND INDEMNIFICATION

6.1 The following insurance coverage required by this Agreement shall be maintained by Contractor for the duration of its performance of the Services. Contractor shall not perform any Services unless and until the required insurance listed below is obtained by Contractor. Contractor shall provide City with certificates of insurance and endorsements evidencing such insurance prior to commencement of the Services. Insurance policies shall include a provision prohibiting cancellation or modification of the policy except upon thirty (30) days prior written notice to City.

A. Workers' Compensation and Employer's Liability insurance in the amount that meets statutory requirements with an insurance carrier acceptable to City, or certification to City that Contractor is self-insured or exempt from the workers' compensation laws of the State of California. Contractor shall execute and provide City with Exhibit "C," titled "Workers' Compensation Insurance Certification," which is attached hereto and incorporated herein by this reference, prior to performance of the Services.

B. Commercial General Liability insurance with carriers acceptable to City in the minimum amount of One Million Dollars ($1,000,000) per occurrence and Two Million Dollars ($2,000,000) aggregate, for public liability, property damage and personal injury is required. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

C. Business Auto Liability coverage, with minimum limits of One Million Dollars ($1,000,000) per occurrence, combined single limit bodily injury liability and property damage liability. This coverage shall include all Contractor owned vehicles used in connection with Contractor's provision of the Services, hired and non-owned vehicles, and employee non-ownership vehicles. City shall be named as an additional insured and such insurance shall be primary and non-contributing to any insurance or self-insurance maintained by City.

6.2 Contractor shall defend, indemnify, and hold harmless City and its elected and appointed officials, employees and agents from and against any and all claims, losses and liability, including attorneys' fees, arising from injury or death to persons or damage to property occasioned by any negligent act or omission by, or the willful misconduct of, Contractor, or its officers, employees and agents in performing the Services.

ARTICLE 7 – CONFLICTS OF INTEREST

7.1 Contractor covenants and represents that it does not have any investment or interest in any real property that may be the subject of this Agreement or any other source of income, interest in real property or investment that would be affected in any manner or degree by the performance of Contractor's Services. Contractor further covenants and represents that in the performance of its duties hereunder, no person having any such interest shall perform any Services under this Agreement.

7.2 Contractor agrees it is not a designated employee within the meaning of the Political Reform Act because Contractor:

A. Does not make a governmental decision whether to:

(i) approve a rate, rule or regulation, or adopt or enforce a City law;
(ii) issue, deny, suspend or revoke any City permit, license, application, certification, approval, order or similar authorization or entitlement;
(iii) authorize City to enter into, modify or renew a contract;
(iv) grant City approval to a contract that requires City approval and to which City is a party, or to the specifications for such a contract;
(v) grant City approval to a plan, design, report, study or similar item;
(vi) adopt, or grant City approval of, policies, standards or guidelines for City or for any subdivision thereof.

B. Does not serve in a staff capacity with City and, in that capacity, participate in making a governmental decision or otherwise perform the same or substantially the same duties for City that would otherwise be performed by an individual holding a position specified in City's Conflict of Interest Code under Government Code section 87302.

7.3 In the event City determines that Contractor must disclose its financial interests, Contractor shall complete and file a Fair Political Practices Commission Form 700, Statement of Economic Interests, with the City Clerk's office pursuant to the written instructions provided by the City Clerk.

ARTICLE 8 – GENERAL CONSIDERATIONS

8.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing Party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees, including fees for the use of in-house counsel by a Party.

8.2 Contractor shall not assign any of the Services, except with the prior written approval of City and in strict compliance with the terms and conditions of this Agreement. Any assignment or attempted assignment without such prior written consent may, in the sole discretion of City, results in City's immediate termination of this Agreement.

8.3 Contractor is for all purposes under this Agreement an independent contractor and shall perform the Services as an independent contractor. Neither City nor any of its agents shall have control over the conduct of Contractor or Contractor's employees, except as herein set forth. Contractor shall supply all necessary tools and instrumentalities required to perform the Services. Assigned personnel employed by Contractor are for its account only, and in no event shall Contractor or personnel retained by it be deemed to have been employed by City or engaged by City for the account of, or on behalf of City. Contractor shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent, nor shall Contractor have any authority, express or implied, to bind City to any obligation.

8.4 This Agreement may be terminated by City, in its sole discretion, by providing not less than ten (10) days prior written notice to Contractor of City's intent to terminate. If this Agreement is terminated by City, an adjustment to Contractor's compensation shall be made, but (1) no amount shall be allowed for anticipated profit or unperformed Services, and (2) any payment due Contractor at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Contractor. Upon receipt of a termination notice, Contractor shall immediately discontinue its provision of the Services and, within five (5) days of the date of the termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of project related data, drawings, specifications, reports, summaries and such other information and materials as may have been accumulated by Contractor in performing the Services. Contractor shall be compensated on a pro-rata basis for Services completed up to the date of termination.

8.5 Contractor shall maintain books, ledgers, invoices, accounts and other records and documents evidencing costs and expenses related to the Services for a period of three (3) years, or for any longer period required by law, from the date of final payment to Contractor pursuant to this Agreement. Such books shall be available at reasonable times for examination by City at the office of Contractor.

8.6 This Agreement, including the Exhibits incorporated herein by reference, represents the entire agreement and understanding between the Parties as to the matters contained herein, and any prior negotiations, written proposals or verbal agreements relating to such matters are superseded by this Agreement. Except as otherwise provided for herein, any amendment to this Agreement shall be in writing, approved by City and signed by City and Contractor.

8.7 This Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflicts of laws provisions. The Parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and litigated only in the state courts located in San Bernardino County, California, and the federal courts located in Riverside County, California.

8.8 If one or more of the sentences, clauses, paragraphs or sections contained in this Agreement is declared invalid, void or unenforceable by a court of competent jurisdiction, the same shall be deemed severable from the remainder of this Agreement

and shall not affect, impair or invalidate the remaining sentences, clauses, paragraphs or sections contained herein, unless to do so would deprive a Party of a material benefit of its bargain under this Agreement.

IN WITNESS WHEREOF, duly authorized representatives of City and Contractor have signed in confirmation of this Agreement.

CITY OF REDLANDS

By: _____
Eddie Tejeda, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

Ferguson Enterprises, LLC

By: _____
~~Dan Warner, District Manager~~
Jon P. Price, General Manager

EXHIBIT "A"
SCOPE OF SERVICES

PROJECT OVERVIEW

This project generally includes the removal of existing potable and/or non-potable water meters and replacement with AMR/AMI capable meters compatible with the City's Neptune 360 Advanced Software and MDM on a hosted server, retrofitting existing water meters with new registers, antennas, and replacement of meter pit lids in accordance with the Rate Sheet.

INSTALLATION TYPES AND SEQUENCE

A master list of customer accounts will be provided to Ferguson. These accounts have been consolidated into utility billing routes and cycles. Ferguson shall coordinate work with City staff to ensure efficient utility billing practices are not interrupted.

INSTALLATION SCHEDULE

The City and Ferguson shall cooperatively develop an initial project installation schedule and shall update and revise this schedule as necessary throughout the project. Ferguson shall provide the City an updated work schedule a week prior to work activities.

WORK HOURS

Unless approved in advance by the City, work hours are restricted to 7:00 am – 5:00 pm.

WEEKLY REPORTS

Ferguson shall provide the City with a weekly report itemizing tasks completed during the previous week in a format and at a day and time agreed to by both parties, but no later than noon on Wednesday.

FERGUSON STAFF

Project Manager. Ferguson shall designate a Project Manager, who shall have the authority to handle and resolve any disputes or contract issues with the City.

Installation Manager. Ferguson shall designate an Installation Manager, who shall be responsible for managing the installation on a day-to-day basis on behalf of Ferguson and for seeing that all installations are completed in a professional manner and in compliance with procedures required by local, state, and federal regulations (such as CalOSHA). The Installation Manager shall be experienced in supervising water meter installation projects and shall be familiar with applicable regulations and safe and proper installation procedures.

Employee Training. All Ferguson employees and employees of subcontractors shall be properly trained for assigned tasks.

Uniforms and Identification. All Ferguson employees and employees of subcontractors shall wear easily recognizable uniforms and always have proper identification. Ferguson shall be responsible for supplying all appropriate personal protective equipment including but not limited to safety vests and safety shoes.

ITEMS TO BE SUPPLIED BY FERGUSON

General. Ferguson shall supply the following project elements: Project Management, Employee and Subcontractor Supervision and Training, Complaint Resolution, Inspection, Testing, and Quality Control.

Tools and Materials. Ferguson shall furnish all supplies, materials, tools, and equipment necessary for the successful and timely completion of all water meter and AMI installations. The City will supply the product specifications for Meter gaskets and bolt sets upon request by Ferguson prior to mobilization.

Vehicles. Ferguson shall provide all vehicles and equipment to be used by its employees and subcontractors. Vehicles shall include a company logo and telephone number prominently displayed on each side.

Parking. Ferguson employees and subcontractors shall park vehicles in accordance with motor vehicle laws and shall not obstruct vehicle travel lanes or property access drives. Ferguson shall be responsible for resolving any motor vehicle citations.

Local Office. The City will designate a portion of the City Yard, located at 1270 West Park Avenue, for use by Ferguson employees and subcontractors. Ferguson may use this site for material storage and is responsible for security and insurance. No permanent structure may be erected at this site.

Field Communications. Ferguson employees and subcontractors working in the field shall be equipped with cellular phones and/or radios to resolve issues and questions quickly.

ACCOUNT AND DATA INSTALLATION SCHEDULING

Account Data File. The City will provide Ferguson with an electronic file with the following information:

Meter Address
Meter Size
Meter Serial Number
Most Recent Meter Reading

Additional information requested by Ferguson will be provided if available.

Residential Customer Notification. Prior to water meter installations, Ferguson shall attempt to contact impacted residents to notify them that their water service will be temporarily interrupted. If residents are not present during these installations, Ferguson may proceed with the work and shall leave a notice on the residents' front door upon completion.

INSTALLATION PROCEDURES

Work Order Processing. Ferguson shall ensure that all data transferred to and from the City's information systems is completed properly before commencing work.

Work Order Data. The Installation Manager shall provide work orders to installers. Each work order shall include at a minimum, the customer's address, account number, existing meter number, existing register number, meter make, model, and size, and most recent meter reading. These work orders shall be provided in an acceptable electronic format.

Site Conditions. Before each installation, the installer, under the direct supervision of the Installation Manager, shall inspect the site, including existing piping and shut-off valves. If the installer determines the condition is such that the work is likely to cause damage to existing piping, the Installation Manager shall not attempt the installation and shall inform the City. A City representative will inspect the site and provide appropriate direction. The installer shall report any plumbing irregularities including but not limited to meters installed backwards, disconnected meters, and taps located before a meter.

Repairs of Existing Conditions. The City may authorize Ferguson to make additional repairs to service lines, piping, and/or meter pits. This additional work must be approved in advance.

Meter Replacement. Ferguson shall ensure that the meter at each service location matches the meter identified on each work order. Ferguson shall check for running water prior to changing meters. Meter replacements shall include new gaskets and/or washers. Each removed meter shall be placed in the new meter box for the service location and shall be secured at the City Yard. The City shall be responsible for disposal of these removed meters.

Verifying Service Working. Ferguson shall flush water line after installing each new meter to ensure the meter is registering properly and to verify service restoration to the premises. Any location where flushing cannot be accomplished shall be reported to the City.

Valves. During installation, Ferguson shall shut off customer's water service by using a curb stop valve. At no time shall Ferguson use a crimping device to restrict water flow. If the outside control valve is not visible or is inoperable, Ferguson shall notify the City to rectify the issue.

Debris/Water Around Meter. Ferguson shall be responsible for removing and properly disposing of any reasonable amount of debris as necessary to access each water meter located within a meter pit or vault. If a water meter pit or vault is flooded so that the meter is fully or partially submerged, the installer shall pump out the pit or vault before removing and replacing the meter. Ferguson shall ensure that the water service is not in any way contaminated, even intermittently, by standing water in the meter pit or vault.

Plumbing/Landscaping and Related Damage. Ferguson shall be responsible for repairing any existing landscaping, ground cover, grass, plants, shrubs, trees, service lines, meter couplings, angle meter valves, and service fittings damaged within three feet (3') on the customer side of the meter due to negligence at its sole cost and expense. All repair work shall be inspected by the City.

Completed Work Orders. Completed work orders shall include the following information:
Meter Size and Meter Type
Verification or Correction of Existing Meter and Account Information
Old Meter Serial Number
Final Reading on Old Meter
New Meter Serial Number
New Meter Register Number
Reading on New Meter Register
Geo-positioning
Date and Time of Installation
Name of Installer
Description of any Problems Encountered or Repairs Made

Work orders shall be completed accurately. An electronic copy of all work orders, in a format agreed upon by Ferguson and the City, shall be provided to the City on a weekly basis at a date and time agreed upon by Ferguson and the City.

Ferguson Installation Responsibilities

Ferguson shall be responsible for the creation and deployment of a website specifically for the water meter replacement and endpoint installations. This website will incorporate FAQs and installer photos.

Ferguson shall provide a Call Center and a Toll-Free number that customers can call to coordinate installation times, ask questions, or report issues. The Call Center shall incorporate an automatic call distribution system capable of receiving and queuing calls, routing calls to waiting agents, and collection and reporting data on call volumes, waiting times, and durations of each call. The Call Center shall be staffed twenty-four (24) hours per day, seven (7) days per week throughout the project. Ferguson shall offer an online scheduling feature which is convenient for City customers.

Ferguson shall use its proprietary inventory management system to provide full accountability of assigned material at all times.

Ferguson shall supply an automated installation information management process in lieu of manually capturing and entering data. This process shall include an export file that the City can utilize to automatically upload data into the City's Utility Billing Software. The City shall be responsible for any charges related to the City's Utility Billing Software importing process. Real-time installation information, including installer tracking, shall be available to the City through a secure website.

Ferguson shall perform background checks for all project staff.

Ferguson shall capture GPS positioning from the meter pit with 3-5 meter accuracy using geo-positioning software. All GPS data shall line to the City's GIS database and be provided in a shape file. The following information shall be included in the geo-coded data:

Water Meter Account Number

Address
New Meter Serial Number
New Register Number

Ferguson shall provide a minimum of three (3) pictures for each installation; 1. Existing Meter, 2. Existing Meter Final Reading, 3. New Meter. These pictures shall be labeled by account number and provided to the City in a format agreed upon by Ferguson and the City.

Ferguson shall leave each installation site in a clean and neat condition equal to or better than the original condition of the site.

Should Ferguson receive a call or complaint from a customer or the City regarding an installation, Ferguson shall immediately log the call including the caller's name, address, account number (if available), date and time of call, nature of the call, and the action taken. All complaints shall be forwarded to the City within thirty-six (36) hours from the time of receipt.

Standard Meter Installation Requirements

Meters shall be located in outside meter pits or vaults with reasonable access or in a location that can become accessible by Ferguson within one (1) week.

Meters shall be accessible without subjecting Ferguson employees to unreasonable risk or harm.

Meter access shall not require excessive labor (i.e., asphalt removal, tree root removal, landscape obstruction removal).

Meter access shall not require confined space entry.

Ferguson shall not be required to remove excessive amounts of dirt, silt, water, or other debris from meter pits and/or vaults. Excessive shall be defined as any dirt, silt, water, or other debris removal requiring more than ten (10) minutes of digging or pumping by one (1) installer.

Ferguson shall not be required to repair or replace plumbing due to corrosion, existing damage, plumbing irregularities, substandard conditions, or existing connections not conforming to current building codes.

Water meters are on setters or equipped with standard meter connections that can be reused during meter installations.

Meter exchanges are like-for-like, same lay length and no plumbing is required.

Existing meter pits and vaults shall be in good condition, allowing enough room for easy replacement of the existing meter. Standard requirements are six inches (6") clearance on all sides of residential meters/connections, twelve inches (12") clearance on all sides of commercial meters/connections, and three inches (3") clearance from top of new meter to meter pit and vault lids.

Existing meter pits and vaults shall be reused and curb stops and valves shall be in good working condition.

Ferguson presumes a maximum of five (5) minutes to physically locate each meter pit and/or vault at each installation location address. The City shall provide meter pit and/or vault location notes if available.

Non-Standard Meter Installation

In the event Ferguson determines that any meter installation is not a standard meter installation, the City shall immediately be notified to provide direction. Non-standard work shall not begin without City approval. Non-standard work requiring special licensing or training shall be the City's responsibility.

Quality Control

Responses to Complaints. The City shall notify Ferguson of any project related complaint calls it receives and Ferguson shall contact the caller within two (2) hours of notification by the City to resolve.

Improper Installations. Ferguson shall be responsible for replacing any improperly installed meters, plumbing, lids, and/or associated equipment. Ferguson shall repair any damaged couplings, threads, unions, or meters damaged due to negligence. These repairs shall be made at no cost to the City.

Leaks After Installation. Within thirty (30) days after installation, Ferguson shall be responsible for resolving any leaks at valves, couplings, or service/house lines within three feet (3') of the meter installation location that is reasonably attributed to the meter installation at no cost to the City.

Disposal of Old Meters. The City shall be responsible for disposal of all removed meters.

Installation Control and Audit Procedures. Ferguson shall submit to the City for review and approval its proposed system for ensuring that all meter installation data is correctly recorded during installation, and that all data transferred to the City's Customer Information System (CIS) is accurate. Prior to any installations, Ferguson shall describe to the City its procedures designed to eliminate any opportunities for a meter or radio to be associated with the wrong address or account number in the CIS.

Ferguson Invoices. Invoices shall itemize work completed during the previous month by route and sequence number in accordance with the contract documents. Invoices shall be submitted to the City monthly on a date and time agreed upon by Ferguson and the City. Payment terms are net thirty (30) days from receipt of each Ferguson invoice.

Daily QA/QC Requirements. The Installation Manager shall review the progress of the work daily. Any installation irregularities shall be noted and scheduled for immediate correction and a summary report of these installation irregularities shall be provided to the City weekly.

Regular Meetings with City. The Contract Manager shall meet with the City periodically at a date and time agreed upon by Ferguson and the City, but not less than twice monthly, to discuss project progress.

Installation Warranties. All project related work shall be guaranteed against defects in workmanship for a period of one (1) year from the date of acceptance by the City.

Material Warranties. All materials are covered solely by manufacturer warranties. Ferguson will coordinate warranty service under these manufacturer warranties.

Change Management Process. Either Ferguson or the City may initiate a change by completing and submitting a Change Request form. The initiator of the change provides the completed form to the other party's representative. The Ferguson and City representatives shall cooperatively track change requests, evaluate change requests, negotiate and approve/deny the change request, file approved change requests as additions to the scope of work, and implement approved change requests.

EXHIBIT "B"
RATE SHEET

FERGUSON Waterworks
Meter & Automation Group

Customer: City of Redlands
Date: 7/31/2023
Ferguson Pricing Quote: 7/31/2023 - 7/31/2025
Contact: Matt Wilkinson
Cell: (951) 452-9370

Description	Qty	Type	Meter Cost	Total Meter Cost	Lid	Cost	Cost for Lids	Instal Costs	Total Install Cost	Total Cost
0.625-inch	619	T10 R900I Procoder (Fire Service)	$ 218.00	$ 134,942.00	DFW	$ -	$ -	$ 91.30	$ 56,514.70	$ 191,456.70
0.625-inch	75	T10 R900I Procoder	$ 218.00	$ 16,350.00	DFW	$ 52.90	$ 3,967.50	$ 104.30	$ 7,822.50	$ 28,140.00
0.75-inch	2755	T10 R900I Procoder	$ 260.00	$ 716,300.00	DFW	$ 52.90	$ 145,739.50	$ 104.30	$ 287,346.50	$ 1,149,386.00
1.0-inch	5628	T10 R900I Procoder	$ 322.00	$ 1,812,216.00	DFW	$ 70.29	$ 395,592.12	$ 104.30	$ 587,000.40	$ 2,794,808.52
1.5-inch	355	T10 R900I Procoder	$ 561.00	$ 199,155.00	DFW	$ 115.55	$ 41,020.25	$ 436.85	$ 155,081.75	$ 395,257.00
2.0-inch	234	T10 R900I Procoder	$ 710.00	$ 166,140.00	DFW	$ 115.55	$ 27,038.70	$ 436.85	$ 102,222.90	$ 295,401.60
Changeout Total	**9047**			**$ 3,045,103.00**			**$ 613,358.07**		**$ 1,195,988.75**	**$ 4,854,449.82**

Description	Qty	Type	Retrofit Cost	Total Retro Cost	Lid	Cost	Cost for Lids	Install Costs	Total Install Cost	Total Cost
0.625-inch	38	T10 R900I Procoder	$ 170.00	$ 6,460.00	DFW	$ 52.90	$ 2,010.20	$ 69.35	$ 2,635.30	$ 11,105.50
0.75-inch	1480	T10 R900I Procoder	$ 170.00	$ 251,600.00	DFW	$ 52.90	$ 78,292.00	$ 69.35	$ 102,638.00	$ 432,530.00
1.0-inch	2328	T10 R900I Procoder	$ 170.00	$ 395,760.00	DFW	$ 70.29	$ 163,635.12	$ 69.35	$ 161,446.80	$ 720,841.92
1.5-inch	134	T10 R900I Procoder	$ 170.00	$ 22,780.00	DFW	$ 115.55	$ 15,483.70	$ 96.20	$ 12,890.80	$ 51,154.50
2.0-inch	119	T10 R900I Procoder	$ 170.00	$ 20,230.00	DFW	$ 115.55	$ 13,750.45	$ 96.20	$ 11,447.80	$ 45,428.25
Retrofit Total	**4099**			**$ 696,830.00**			**$ 273,171.47**		**$ 291,058.70**	**$ 1,261,060.17**

Description	Qty	Type	Meter Cost	Total Meter Cost	Lid	Cost	Cost for Lids	Install Costs	Total Install Cost	Total Cost
Audit Add-On	6535	Lid Audit	$ -	$ -	N/A	$ -	$ -	$ 14.50	$ 94,757.50	$ 94,757.50
Project Total	**13146**			**$ 3,741,933.00**			**$ 886,529.54**		**$ 1,581,804.95**	**$ 6,210,267.49**

Material Subtotal	**$ 4,628,462.54**
Labor Subtotal	**$ 1,581,804.95**
Tax (8.75%)	**$ 404,990.47**
Project Management	**$ 92,500.00**
Material & Labor Bond	**$ 39,500.00**
Total	**$ 6,747,257.96**

EXHIBIT "C"

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Every employer, except the State, shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

(b) By securing from the Director of Industrial Relations, a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

CHECK ONE

__✓__ I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work and activities required or permitted under this Agreement. (Labor Code §1861).

_____ I affirm that at all times, in performing the work and activities required or permitted under this Agreement, I shall not employ any person in any manner such that I become subject to the workers' compensation laws of California. However, at any time, if I employ any person such that I become subject to the workers' compensation laws of California, immediately I shall provide the City with a certificate of consent to self-insure, or a certification of workers' compensation insurance.

I certify under penalty of perjury under the laws of the State of California that the information and representations made in this certificate are true and correct.

Ferguson Enterprises, LLC

By: _____ Date: 08-16-2023

Jon Price, General Manager

FERGUSON WATERWORKS

CHANGE ORDER # 1

Date: 10/10/2024 Project: 2024 Meter Replacement Project Phase 3

To: City of Redlands – Municipal Utilities and Engineering Department

You are hereby directed to make the following change to your contract dated 9/5/2023. The change and the work affected thereby are subject to all contract stipulations and covenants. This Change Order will **INCREASE** the contract sum by **$ 49,454.07**. This Change Order will not impact the contract time.

Quantity and Cost adjustments detailed in Exhibit A.

Change Order Summary

Amount of Original Contract	$ 6,747,257.96
Changes Approved to Date	$ 0.00
Contract Amount to Date	$ 6,747,257.96
Amount of this Change Order	$ 49,454.07
Revised Contract Amount	$ 6,796,712.03

Approved: City of Redlands
Owner

By: _____

Printed Name: **John Harris**

Title: **Municipal Utilities & Engineering Director**

Approved: Ferguson Enterprises, LLC
Contractor

By: _____

Printed Name: **Mike Balla**

Title: **Area Manager**

SECTION 1 - MATERIALS		ORIGINAL				ACTUAL				
ITEM NO.	DESCRIPTION OF WORK	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	Comments
14	DFW 1730 Meter Box Lid	0	ea	$ -	$ -	230	ea	$ 117.90	$ 27,117.00	Odd size lids
15	DFW 65C Meter Box Lid	0	ea	$ -	$ -	80	ea	$ 103.90	$ 8,312.00	Odd size lids
16	DFW 36C Meter Box Lid	0	ea	$ -	$ -	50	ea	$ 45.40	$ 2,270.00	Odd size lids
17	DFW 1220 Meter Box Lid	0	ea	$ -	$ -	160	ea	$ 48.60	$ 7,776.00	Odd size lids
				Total	$ -			Total	$ 45,475.00	
								Delta	$ 45,475.00	

SECTION 3 - OTHER		ORIGINAL				ACTUAL				
ITEM NO.	DESCRIPTION OF WORK	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	Comments
44	New Lids Sales Tax (8.75%)	0	ls	$ -	$ -	1	ls	$ 3,979.07	$ 3,979.07	Taxes for odd size lids
				Total	$ -			Total	$ 3,979.07	
								Delta	$ 3,979.07	

Change Order #1 Total	$ 49,454.07
Current Contract Total	$ 6,747,257.96
New Contract Total	$ 6,796,712.03

FERGUSON WATERWORKS

CHANGE ORDER #2

Date: 4/21/2025 Project: 2024 Meter Replacement Project Phase 3

To: City of Redlands – Municipal Utilities and Engineering Department

You are hereby directed to make the following change to your contract dated 9/5/2023. The change and the work affected thereby are subject to all contract stipulations and covenants. This Change Order will **INCREASE** the contract sum by **$119,116.05**. This Change Order will not impact the contract time.

Quantity and Cost adjustments detailed in Exhibit A.

Change Order Summary

Amount of Original Contract	$ 6,747,257.96
Changes Approved to Date	$ 49,454.07
Contract Amount to Date	$ 6,796,712.03
Amount of this Change Order	$ 119,116.05
Revised Contract Amount	$ 6,915,828.08

Approved: City of Redlands
Owner

Approved: Ferguson Enterprises, LLC
Contractor

By: _____

By: _____

Printed Name: **John Harris**

Printed Name: **Mike Balla**

Title: **Municipal Utilities & Engineering Director**

Title: **Area Manager**

SECTION 1 - MATERIALS		ORIGINAL				ACTUAL				
ITEM NO.	DESCRIPTION OF WORK	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	Comments
2	3/4"SL T10 R900I Procoder Water Meter	2755	ea	$ 260.00	$ 716,300.00	2953	ea	$ 260.00	$ 767,780.00	Route 22 & 23 Materials
3	1" T10 R900I Procoder Water Meter	5628	ea	$ 322.00	$ 1,812,216.00	5679	ea	$ 322.00	$ 1,828,638.00	Route 22 & 23 Materials
5	2" T10 R900I Procoder Water Meter	234	ea	$ 710.00	$ 166,140.00	239	ea	$ 710.00	$ 169,690.00	Route 22 & 23 Materials
7	3/4" T10 R900I Procoder Retrofit Register	1480	ea	$ 170.00	$ 251,600.00	1673	ea	$ 170.00	$ 284,410.00	Route 22 & 23 Materials
8	1" T10 R900I Procoder Retrofit Register	2328	ea	$ 170.00	$ 395,760.00	2359	ea	$ 170.00	$ 401,030.00	Route 22 & 23 Materials
				Total	$ 3,342,016.00			Total	$ 3,451,548.00	
								Delta	$ 109,532.00	

SECTION 3 - OTHER		ORIGINAL				ACTUAL				
ITEM NO.	DESCRIPTION OF WORK	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	QTY	UNIT	UNIT PRICE	SCHEDULED VALUE	Comments
45	Additional Sales Tax (8.75%)	1	ls	$ -	$ -	1	ls	$ 9,584.05	$ 9,584.05	Route 22 & 23 Materials Tax
				Total	$ -			Total	$ 9,584.05	
								Delta	$ 9,584.05	

Change Order #2 Total	$ 119,116.05
Current Contract Total	$ 6,796,712.03
New Contract Total	$ 6,915,828.08

FIRST AMENDMENT TO AGREEMENT TO PERFORM NON-PROFESSIONAL SERVICES

This First Amendment ("First Amendment") to the Citywide Water Meter Replacement Project Agreement to Perform Non-Professional Services ("Agreement"), dated September 5, 2023, by and between the City of Redlands, a municipal corporation and a general law city ("City"), and Ferguson Enterprises, LLC, a Virgina limited liability company ("Contractor"), is made and entered into this 20th day of May, 2025.

RECITALS

WHEREAS, it is the desire of the City and Consultant to amend Article 5.1 of the Agreement to increase the compensation for Contractor's performance of the services to $6,915,828.08;

NOW, THEREFORE, for good and valuable consideration in the receipt of which is hereby acknowledge City and Consultant agree as follows:

AGREEMENT

Section 1. Section 5.1 of the Agreement, titled "PAYMENTS TO CONTRACTOR," is hereby amended to read as follows:

"5.1 The compensation for Contractor's performance of the Services shall not exceed the amount of Six Million Nine Hundred Fifteen Thousand Eight Hundred Twenty-Eight Dollars and Eight Cents ($6,915,828.08) for the Services provided during the Agreement Term. City shall pay Contractor on a time and materials basis up to the not-to-exceed amount in accordance with the rates specified in Exhibit "B," titled Rate Sheet," which is attached hereto and incorporated herein by reference."

Section 2. The Rate Sheet set forth in Exhibit "B" of the Agreement is hereby amended as set forth in Attachment "1," which is attached hereto and incorporated herein by this reference.

Section 3. All other provisions of the Agreement shall remain unchanged by this First Amendment and in effect.

[Signatures on following page]

IN WITNESS WHEREOF, the parties have executed this First Amendment, to be effective as of May 20, 2025.

CITY OF REDLANDS

By:_____
Mario Saucedo, Mayor

ATTEST:

_____
Jeanne Donaldson, City Clerk

FERGUSON ENTERPRISES, LLC

By: _____
Jon P. Price, General Manager

Attachment 1

EXHIBIT B - RATE SHEET

FERGUSON Waterworks
Meter & Automation Group

Customer: City of Redlands
Date: 5/1/2025
Ferguson Pricing Quote: 7/31/2023 - 7/31/2025
Contact: Matt Wilkinson
Cell: (951) 452-9370

Description	Material Qty	Labor Qty	Type	Meter Cost	Total Meter Cost	Lid	Cost	Cost for Lids	Install Cost	Total Install Cost	Total Cost
0.625-inch	619	619	T10 R900I Procoder (Fire Service)	$ 218.00	$ 134,942.00	DFW	$ -	$ -	$ 91.30	$ 56,514.70	$ 191,456.70
0.625-inch	75	75	T10 R900I Procoder	$ 218.00	$ 16,350.00	DFW	$ 52.90	$ 3,967.50	$ 104.30	$ 7,822.50	$ 28,140.00
0.75-inch	2953	2755	T10 R900I Procoder	$ 260.00	$ 767,780.00	DFW	$ 52.90	$ 145,739.50	$ 104.30	$ 287,346.50	$ 1,200,866.00
1.0-inch	5679	5628	T10 R900I Procoder	$ 322.00	$ 1,828,638.00	DFW	$ 70.29	$ 395,592.12	$ 104.30	$ 587,000.40	$ 2,811,230.52
1.5-inch	355	355	T10 R900I Procoder	$ 561.00	$ 199,155.00	DFW	$ 115.55	$ 41,020.25	$ 436.85	$ 155,081.75	$ 395,257.00
2.0-inch	239	234	T10 R900I Procoder	$ 710.00	$ 169,690.00	DFW	$ 115.55	$ 27,038.70	$ 436.85	$ 102,222.90	$ 298,951.60
Changeout Total	**9920**	**9666**			**$ 3,116,555.00**			**$ 613,358.07**		**$ 1,195,988.75**	**$ 4,925,901.82**

Description	Material Qty	Labor Qty	Type	Retrofit Cost	Total Retro Cost	Lid	Cost	Cost for Lids	Install Cost	Total Install Cost	Total Cost
0.625-inch	38	38	T10 R900I Procoder	$ 170.00	$ 6,460.00	DFW	$ 52.90	$ 2,010.20	$ 69.35	$ 2,635.30	$ 11,105.50
0.75-inch	1673	1480	T10 R900I Procoder	$ 170.00	$ 284,410.00	DFW	$ 52.90	$ 78,292.00	$ 69.35	$ 102,638.00	$ 465,340.00
1.0-inch	2359	2328	T10 R900I Procoder	$ 170.00	$ 401,030.00	DFW	$ 70.29	$ 163,635.12	$ 69.35	$ 161,446.80	$ 726,111.92
1.5-inch	134	134	T10 R900I Procoder	$ 170.00	$ 22,780.00	DFW	$ 115.55	$ 15,483.70	$ 96.20	$ 12,890.80	$ 51,154.50
2.0-inch	119	119	T10 R900I Procoder	$ 170.00	$ 20,230.00	DFW	$ 115.55	$ 13,750.45	$ 96.20	$ 11,447.80	$ 45,428.25
Retrofit Total	**4323**	**4099**			**$ 734,910.00**			**$ 273,171.47**		**$ 291,058.70**	**$ 1,299,140.17**

Description	Material Qty	Labor Qty	Type	Retrofit Cost	Total Retro Cost	Lid	Cost	Cost for Lids	Install Cost	Total Install Cost	Total Cost
Meter Box Lid	230	0	DFW 1730	$ -	$ -	DFW	$ 117.90	$ 27,117.00	$ -	$ -	$ 27,117.00
Meter Box Lid	80	0	DFW 65C	$ -	$ -	DFW	$ 103.90	$ 8,312.00	$ -	$ -	$ 8,312.00
Meter Box Lid	50	0	DFW 36C	$ -	$ -	DFW	$ 45.40	$ 2,270.00	$ -	$ -	$ 2,270.00
Meter Box Lid	160	0	DFW 1220	$ -	$ -	DFW	$ 48.60	$ 7,776.00	$ -	$ -	$ 7,776.00
Retrofit Total	**520**	**0**			**$ -**			**$ 45,475.00**		**$ -**	**$ 45,475.00**

Description	Material Qty	Labor Qty	Type	Meter Cost	Total Meter Cost	Lid	Cost	Cost for Lids	Install Cost	Total Install Cost	Total Cost
Audit Add-On	0	6535	Lid Audit	$ -	$ -	N/A	$ -	$ -	$ 14.50	$ 94,757.50	$ 94,757.50
Project Total	**14243**	**13765**			**$ 3,851,465.00**			**$ 886,529.54**		**$ 1,581,804.95**	**$ 6,319,799.49**

Material Subtotal	**$ 4,783,469.54**
Labor Subtotal	**$ 1,581,804.95**
Tax (8.75%)	**$ 418,553.58**
Project Management	**$ 92,500.00**
Material & Labor Bond	**$ 39,500.00**
Total	**$ 6,915,828.08**

City Council/Financing Authority Meeting **N. 3.**

DATE: 05/20/2025

TO: Honorable Mayor and City Council Members

SUBJECT: Approve the minutes of the regular meeting of January 21, 2025 (Secretary Donaldson)

MOTION:

I move to approve the minutes of the regular meeting of January 21, 2025.

Attachments

Regular meeting minutes of January 21, 2025

MINUTES

Regular meetings of the City Council and the Redlands Financing Authority of the City of Redlands held in the Council Chambers, Civic Center, 35 Cajon Street, on January 21, 2025 at 5:00 P.M.

Present:	Mario Saucedo, Mayor Marc Shaw, Mayor Pro Tempore Paul Barich, Council Member Eddie Tejeda, Council Member Denise Davis, Council Member
Staff:	Charles M. Duggan, Jr., City Manager; Yvette M. Abich Garcia, City Attorney; Jeanne Donaldson, City Clerk; Phillip Doolittle, City Treasurer; Janice McConnell, Assistant City Manager; Chris Boatman, Assistant City Manager; Carl Baker, Public Information Officer; Danielle Garcia, Management Services/Finance Director; Brian Foote, City Planner/Planning Manager; John Harris, Municipal Utilities and Engineering Director; Rich Sessler, Fire Chief; Rachel Tolber, Police Chief; Tabitha Crocker, Facilities and Community Services Director; Robert Meteau, HR/Risk Management Director

Mayor Saucedo called the meeting to order. City Attorney Garcia announced that, due to an illness, Council Member Tejeda was unable to attend the meeting in person but would be participating tonight via teleconference under AB 2449 "Just Cause". This was the first of two allowable Just Cause exceptions for him under AB 2449. Mayor Saucedo explained that comments could be presented in-person, via Zoom, via cell phone or landline, and he offered the public an opportunity to provide comment on any item on the agenda for the closed session.

PUBLIC COMMENT

Orange Grove Sale - Susan Brooks, a resident of Palm Avenue, adjacent to the England Grove property, requested the City preserve the current easements, including water, sewer and electrical easements. She asked for open lines of communication, in order to keep all the neighborhood properly informed about the timing of the grove replanting efforts.

CLOSED SESSION

Conference with real property negotiators - Government Code §54956.8
(Assistant City Manager Boatman)

Property:	APNs: 0173-231-23-0000 and 0173-231-26-0000 (England Grove)
Agency Negotiators:	Charles M. Duggan, City Manager; Christopher Boatman, Assistant City Manager
Negotiating Party:	Johanna Crooker, ACIP Director of Forward Planning - Entitlements, Southern California; Meritage Homes of California, Inc.
Under Negotiation:	Terms of payment and price of possible land purchase by City.

Conference with legal counsel: Existing Litigation - Government Code §54956.9(d)(1)(City Attorney Garcia)
Two Cases:

a. Miller & Associates, LLC v. City of Redlands, San Bernardino Superior Court, Case No. CIVSB2203755

City Attorney Garcia stated that C-2.a, Court Case No. CIVSB2203755 - Miller & Associates, LLC was removed from Closed Session

b. Price v. City of Redlands, San Bernardino Superior Court, Case No. CIVSB2218802

RECONVENE CITY COUNCIL MEETING

The meeting reconvened at 6:00 P.M. with an invocation by Mayor Pro Tem Shaw. The Pledge of Allegiance to the American flag was conducted by Lugonia Elementary School students. Council Member Tejeda announced that, due to an illness preventing him from attending the meeting in person, he would attend tonight's City Council meeting via teleconference under AB 2449 "Just Cause". This was the first of two allowable Just Cause exceptions for him under AB 2449.

CLOSED SESSION REPORT

City Attorney Garcia announced that there was no reportable action taken during the closed session for Items C-1 and C-2.b, with C-2.a removed from the closed session.

PUBLIC COMMENT

Public Safety at Citrus Plaza - Berlyn Wright described an incident which occurred at Citrus Plaza within the Target store. She and her daughter felt unsafe, and she was concerned that this was likely not an isolated case. She urged the Council to take a more proactive approach to patrolling and protecting the community.

Requesting Use of Logo - Gail Howard asked if the Council could authorize her to use the City's logo when she was conducting fundraising efforts for police department programs, such as the Heroes and Helpers Program.

Narcan Dispensaries - Redlands Community Hospital ER Director Dr. Evan Houck requested the City consider implementing a program to install vending machines stocked with Narcan, the overdose-reversing drug, helping combat the opioid epidemic. These vending machines increase access to Narcan and provide a convenient way to assist people with overcoming an addiction.

Agreeing to Disagree Respectfully - Michael Paisner was unhappy with the Council's decision at the December 17 meeting, to eliminate the rotation methodology for the selection of Mayor and Mayor Pro Tem, and he considered the behavior of some of the council members as disrespectful to audience members.

Freedom of Speech - Emma Vara asserted her right to express her views and speak openly if she desired. Her opinions and statements matter and should always be welcome at council meetings, despite her age.

Holding Leaders Accountable - Jennifer Maravillas raised concerns about the comments made by Council Member Tejeda on social media and said she thought he was posting misleading information. She pushed for more accountability.

Introductions - Ulysses Nera introduced himself as the new field representative for Assemblymember Robert Garcia. He looked forward to working with the City.

CONSENT CALENDAR

Minutes

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the regular meeting minutes December 17, 2024.

Vote: 5 - 0 Passed

Historic and Scenic Preservation Commission Appointments

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously reappointed, by roll call vote, Greg Weissman and Justine Guidry to each serve another four-year term on the Historic and Scenic Preservation Commission ending January 18, 2029; and appointed Bridget Lawlor to serve a four-year term on the Historic and Scenic Preservation Commission ending January 18, 2029.

Vote: 5 - 0 Passed

Liaison Assignments Boards, Commissions, Committees and Outside Agencies

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the City Council Liaison assignments to the City's Boards, Commissions, Committees and Outside Agencies for 2025, as recommended by Mayor Saucedo and as represented in the staff report.

Vote: 5 - 0 Passed

Resolution No. 8655 One-Year Extension City’s 6th Cycle Housing Element

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously adopted, by roll call vote, Resolution No. 8655, determining that the criteria contained in Government Code Section 65583.4 has been met, pertaining to a one-year extension of time to complete the rezoning actions that will implement the City’s 6th Cycle Housing Element and the Regional Housing Needs Assessment allocation.

Vote: 5 - 0 Passed

Resolution No. 8654 Declaring Weeds a Public Nuisance

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, Resolution No. 8654 declaring weeds to be a public nuisance and setting February 4, 2025, as the public hearing for objections to the proposed weed abatement.

Vote: 5 - 0 Passed

Resolution No. 8656 State-Mandated Fire and Life Safety Inspections Report

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously adopted, by roll call vote, Resolution No. 8656 acknowledging acceptance of a report for completed state-mandated fire and life safety inspections by the City of Redlands Fire Department in compliance with SB 1205 and California Health and Safety Code Section 13146.4.

Vote: 5 - 0 Passed

Contract Award Guardrail Installation

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that the project is categorically exempt from environmental review in accordance with Section 15304 of the State's guidelines implementing the California Environmental Quality Act; and approved the Public Works Contract with Metrocell Construction, Inc. for Guardrail Installations for an amount not-to-exceed $174,600.

Vote: 5 - 0 Passed

Resolution No. 8649 Annual Report of Development Impact Fees

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously adopted, by roll call vote, Resolution No. 8649, approving the Annual Report of Development Impact Fees for the year ended June 30, 2024, and the findings contained therein.

Vote: 5 - 0 Passed

CFD Annual Reports

On motion of Council Member Paul Barich, seconded by Mayor Pro Tempore Marc Shaw, the City Council unanimously approved, by roll call vote, to receive and file the Annual Reports for Community Facility District (CFD) No. 2001-1 and Community Facility District (CFD) No. 2003-1 pursuant to Local Agency Special Tax and Bond Accountability Act (SB 165).

Vote: 5 - 0 Passed

Intergovernmental Purchase Dell Workstations

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the Intergovernmental Purchase of Dell Workstations in the amount of $99,794.13.

Vote: 5 - 0 Passed

Property Lease Agreement SCAQMD

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of a property lease agreement with the South Coast Air Quality Management District (SCAQMD) is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and approved the property lease agreement with the SCAQMD so they can use the property for air quality monitoring.

Vote: 5 - 0 Passed

Citywide Classification and Compensation Study Services Agreement

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously approved, by roll call vote, the Professional Services Agreement with Public Sector Personnel Consultants Inc. for Citywide Classification and Compensation Study Services for an amount not-to-exceed $192,000; and approved an additional appropriation for the same amount.

Vote: 5 - 0 Passed

COMMUNICATIONS

FY 2024 ACFR & Audit Results

Management Services/Finance Director Garcia introduced Andrew Roth of The Pun Group, who provided a detailed analysis of the City's Annual Comprehensive Financial Report (ACAFR) and the Independent Accountants' Report on Applying Agreed-Upon Procedures related to the Article XIII-B Appropriations Limit Calculation for the fiscal year ending June 30, 2024. The ACAFR communicates the City's financial condition and includes an audited summary report of the financial position and transactions of the City for the fiscal year 2024. The Pun Group LLP, a certified public accounting firm, audited these documents and has provided an unmodified opinion of the City's financial statements. An unmodified opinion communicates to users that the financial statements are fairly presented and that the information used in the report is consistent with generally accepted accounting principles. This is the best opinion that the City can receive from its auditors. Mayor Saucedo was pleased with the numbers reflected in the 'rainy day' funds. Council Members thanked the Pun Group and Director Garcia and her staff for all their hard work towards developing the ACAFR.

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously accepted, by roll call vote, the Comprehensive Annual Financial Report and the Independent Accountants' Report on Applying Agreed-Upon Procedures Related to the Article XIII-B Appropriations Limit Calculation for the fiscal year ending June 30, 2024.

Vote: 5 - 0 Passed

2025 Regional SCAG Conference Voting Delegate

Mayor Saucedo opened the discussion to consider designating a Voting Delegate to represent the City at the 2025 Regional Conference of the Southern California Association of Governments (SCAG) and General Assembly in Palm Desert on May 1-2, 2025.

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously designated, by roll call vote, Denise Davis to serve as the voting delegate at the 2025 Regional Conference of the Southern California Association of Governments (SCAG); and designated Mayor Pro Tem Shaw to serve as the alternate voting delegate at the 2025 Regional Conference of the Southern California Association of Governments (SCAG).

Vote: 5 - 0 Passed

Annual Report Parks and Recreation Commission

Due to an emergency, the Parks and Recreation Commission Annual Report will be presented at a future Council meeting.

Annual Report Airport Advisory Board

Vice Chair Michael Allen, of the Airport Advisory Board (AAB), presented the annual report of accomplishments and activities for 2024. The Board consists of seven members who act in an advisory capacity to the City Council on matters pertaining to the administration, operation, development, improvement and maintenance of the airport. They work to make the facility a safer place. Accomplishments included, Airport runway and resurface project; Wildfire base of operations; Wildlife mitigation; SBD airspace changes review; Increase in wide body aircraft into SBD over REI; Plane or Treat; and Redlands Airport Association's "stuff a plane" toy drive. The goals for 2025 include: Formation of subject-matter experts; Identifying board member strengths and matching them to an airport subject; Continue to address the airspace changes at REI; Continue to promote community involvement to grow interest in Redlands Airport. Mayor Saucedo thanked Mr. Allen and all the Board Members for their dedication to serving the City.

NEW BUSINESS

Planning Commission Selection Process

Assistant City Manager Boatman stated that historically, when a vacancy occurred on the Planning Commission, the Mayor would review applications and recommend new commissioners to the City Council for approval, in accordance with this provision of the Redlands Municipal Code (RMC). To enhance participation and broaden engagement in this process, staff recommended that the Council consider appointing a subcommittee of two Council members to review applications, conduct candidate interviews, and formulate recommendations for the full Council. This approach is commonly used in other cities. Additionally, the Council may consider establishing guidelines or minimum qualifications for new Planning Commission members based on professional or personal expertise. Council Member Davis supported staff's recommendations and said it was a welcome move towards providing more transparency with the appointment process.

On motion of Mayor Mario Saucedo, seconded by Mayor Pro Tempore Marc Shaw, the City Council unanimously directed staff, by roll call vote, to bring back an ordinance formalizing the selection process for Planning Commissioners and policies related to Commissioner qualifications; authorized the formation of an ad hoc subcommittee of the City Council to review current applications, interview candidates and make recommendations to the City Council to fill the two current vacancies on the Planning Commission; and appointed Mayor Saucedo and Mayor Pro Tem Shaw to the ad hoc subcommittee of the City Council.

Vote: 5 - 0 Passed

Purchase and Sale Agreement with Meritage Homes

Assistant City Manager Boatman reviewed the Purchase and Sale Agreement with Meritage Homes of California, Inc. for the acquisition of Assessor Parcel Numbers 0173-231-23-0000 and 0173-231-26-0000 for $100,000 for the England Grove, located at the southeast corner of Palm Avenue and Alvarado Street. The property consists of two (2) parcels, approximately 6.82 acres in total, as well as an interest in 15 shares of Redlands Water Company (the “Water Shares”). The purchase price for the property is $100,000, which includes the installation of the irrigation system and replanting completed by the seller before the close of escrow.

The replanting and irrigation system will be equivalent to the recent improvements made at the City’s Lugonia grove. Salient terms of the agreement include: 1) Purchase price of $100,000, including fifteen shares of Redlands Water Company stock; 2) $10,000 deposit due at the opening of escrow, refundable up until waiver of contingencies; 3) 60-day due diligence period; 4) Closing Date shall be within the earliest of ten (10) business days after the Seller delivers notice and reasonable supporting documentation that the Citrus Planting and installation of the Irrigation System have occurred, or August 25, 2025 (the “Outside Closing Date”). Funding for the project will be provided by the Agricultural Open Space designation of the Palmetto Grove Land Sale Proceeds. Staff has included a reallocation of the necessary funds from the Agricultural Open Space - Acquisition/Conservation Easements subcategory.

The 15 water shares of Redlands Water Company stock hold significant value in the region's agricultural landscape, as they represent access to vital water resources. The water shares will be exchanged with the city for water through the potable system. This exchange mechanism facilitates a more efficient and regulated distribution of water resources, aligning with modern water management practices aimed at conservation and sustainability. Citrus Preservation Commission Chair Michael Day confirmed that the Commission fully supported the purchase and has been closely involved and been kept informed throughout the negotiations. Johanna Crooker, of Meritage Homes, indicated the company had been seeking a good solution to preserve the groves and this partnership with the City represented a positive outcome for all parties.

Mayor Pro Tem Shaw wondered about the value of the water shares and asked whether the City had the appropriate staff to maintain this additional grove. Director Crocker was confident her staff could effectively manage the grove. Assistant City Manager Boatman clarified there had been no recent trading in the last few years, so it was difficult to know the current value of the shares. Council Members were pleased to see the negotiations come to fruition.

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously determined, by roll call vote, that approval of the Purchase and Sale Agreement with Meritage Homes of California, Inc. is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; approved the Purchase and Sale Agreement with Meritage Homes of California, Inc. for the acquisition of property in the amount of $100,000; and approved an additional appropriation in the amount of $100,000.

Vote: 5 - 0 Passed

SBCTA and UofR Amending Operations & Maintenance Agreement

Assistant City Manager Boatman explained that in February 2021, the City Council approved the Operations and Maintenance Agreement with San Bernardino County Transportation Authority (SBCTA) and the University of Redlands (University) for the University Station serving the Arrow train. The agreement delineated the roles and responsibilities of each agency, as well as responsibilities related to insurance.

The City is responsible for all real property insurance costs related to University Station except for its betterments, for which the University is solely responsible. Amendment No. 1 will update the terms of the insurance section to provide for a 50-50 cost split between the City and SBCTA for the standard station platforms. SBCTA will now be responsible for obtaining and maintaining real property insurance for the standard station platforms, and the City will reimburse SBCTA for its share. The City will continue to fully insure all non-operating property at University Station as it has since the original agreement was signed in 2021.

On motion of Council Member Paul Barich, seconded by Mayor Mario Saucedo, the City Council unanimously approved, by roll call vote, Amendment No. 1 to an Operations and Maintenance Agreement with San Bernardino County Transportation Authority and the University of Redlands.

Vote: 5 - 0 Passed

Property Donation

Assistant City Manager Boatman presented an unsolicited offer of donation of property identified as Assessor's Parcel No. 0170-302-07 000, and described the property as approximately 8,000 square feet in area and located on Dearborn Street immediately adjacent to the City's water treatment plant. The property is desirable to the City as it will be integrated into the existing facility. Staff will prepare the appropriate documents for this transaction and will bring the item back to the City Council at a future meeting once the City's due diligence is completed.

On motion of Mayor Pro Tempore Marc Shaw, seconded by Mayor Mario Saucedo, the City Council unanimously directed staff, by roll call vote, to proceed with acceptance of the donation of property identified as Assessor's Parcel No.0170-302-07 000, subject to satisfactory completion of the City's due diligence.

Vote: 5 - 0 Passed

Ordinance No. 2975 & Resolution No. 8647 Water, Sewer, Solid Waste Charges & Payments

Management Services/Finance Director Garcia presented Ordinance No. 2975 to amend Title 13 relating to water, sewer and solid waste charges and payments, and Resolution No. 8647 revising the Policy on Residential Water Service Discontinuation and Rescinding Resolution No. 8048. Three years after SB 998 passed, the California legislature passed SB 3, which expanded the conditions under which the City is required to provide payment plans to customers who are unable to pay their bill. The City is now required to extend a payment plan option to all customers, not just customers who meet certain medical and financial criteria.

In an effort to update this policy to reflect the new provisions of SB 3, the two documents will amend the policy accordingly: 1) The alternative payment arrangements will be available to all residential water service customers; 2) The payment options will be updated to ensure the policy is consistent with current practices; 3) The terms and conditions of the alternative payment plan will be more well-defined to improve clarity for customers; 4) Limits for disconnection fees will be defined to ensure compliance with law; 5) The updated, written policy on Discontinuation of Water Service to Residents for Non-Payment will be made available in prescribed languages (English, Spanish, Chinese, Tagalog, Vietnamese and Korean).

On motion of Mayor Mario Saucedo, seconded by Mayor Pro Tempore Marc Shaw, the City Council unanimously introduced, by roll call vote, Ordinance No. 2975 to amend Title 13 (Public Services) relating to water, sewer and solid waste charges and payments; and adopted Resolution No. 8647 revising the Policy on Residential Water Service Discontinuation and Rescinding Resolution No. 8048.

Vote: 5 - 0 Passed

Ordinance No. 2974 Traffic and Parking Commission

Municipal Utilities and Engineering Director Harris reported on Ordinance No. 2974 amending Section 2.48.040 of Chapter 2.48 of the Redlands Municipal Code relating to the Traffic and Parking Commission (TPC). In March 2023, the TPC began discussing potential revisions to this section of the RMC to more accurately define its duties, particularly related to motorized vs. non-motorized transportation, public vs. private parking facilities, and TPC vs. Planning Commission roles. On September 26, 2024, the TPC voted 5:0 in favor of recommending to City Council the following amendment to Section 2.48.080 of the RMC: "It shall be the duty of the Traffic and Parking Commission to advise the City Engineer, Planning Commission, City Manager, and City Council" and to generally serve as a liaison between the general public and the City Council regarding traffic matters, including: 1) Receiving complaints relating to motorized and non-motorized traffic and parking matters and the enforcement of traffic regulations within public rights-of-way and parking facilities and to recommend ways and means of improving traffic conditions; 2) Reviewing and providing input for traffic reports, studies, and analyses prepared by City staff and consultants related to public pedestrian, motorized and non-motorized transportation, and parking projects; 3) Reviewing and making recommendations on master plans, projects, and programs related to pedestrian, motorized, non-motorized, and mass transit facilities; 4) Advising the City Council with respect to on-street and public off-street parking, posting of speed limits, traffic-calming alternatives, bicycle and pedestrian facilities, and traffic circulation. Mayor Saucedo and Council Member Davis voiced their strong support of this code revision.

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously introduced, by roll call vote, Ordinance No. 2974 amending Section 2.48.040 of Chapter 2.48 of the Redlands Municipal Code relating to the Traffic and Parking Commission.

Vote: 5 - 0 Passed

Ordinance No. 2978 & Resolution No. 8657 Administrative Remedies Procedures

Municipal Utilities and Engineering Director Harris detailed Ordinance No. 2978, establishing an exhaustion of administrative remedies procedure for challenges to fees, charges, and assessments, and Resolution No. 8657, amending the utility rate protest submission and tabulation procedures. In 1996, Proposition 218, the Right to Vote on Taxes Act, amended the California Constitution and established utility rate increase public noticing and protest requirements. In 2012, City Council adopted Resolution No. 7128 to establish a policy for the submission and tabulation of protests with respect to public hearings for proposed utility rate adjustments.

On September 25, 2024, Governor Newsom signed into law Assembly Bill 2257 (AB 2257), which became effective January 1, 2025, and authorizes local agencies the option of implementing new rate-setting procedures to limit litigated challenges. Ordinance No. 2978 complies with AB 2257 and limits judicial actions or proceedings alleging noncompliance with the California Constitution or other applicable law for any new, increased, or extended fee, charge, or assessment levied by the City to persons who submitted to the City

Clerk a timely, written objection to that fee, charge, or assessment specifying the grounds for alleging noncompliance. The Ordinance also limits the issues raised in any such judicial action or proceeding to those raised through the local agency's administrative remedies. For example, a person filing a lawsuit alleging a new or recently increased fee, charge, or assessment is unconstitutional must have first submitted a valid written protest to the City Clerk prior to the closing of the public hearing. Furthermore, the alleged unconstitutionality must have been included in the valid written protest submitted to the City Clerk. The Ordinance also requires the City staff to respond in writing, before or during the public hearing, to any timely written protests.

On motion of Council Member Paul Barich, seconded by Council Member Denise Davis, the City Council unanimously introduced, by roll call vote, Ordinance No. 2978, establishing an exhaustion of administrative remedies procedure for challenges to fees, charges, and assessments; and adopted Resolution No. 8657, amending the utility rate protest submission and tabulation procedure.

Vote: 5 - 0 Passed

WWTP Membrane Bioreactor Filter Preventive Maintenance Agreement

Municipal Utilities and Engineering Director Harris reported on a twelve-year sole source Wastewater Treatment Plant Membrane Bioreactor (MBR) filter preventive maintenance and replacement Agreement with Zenon Environmental Corporation with $219,578 annual payments, for a total value of $2,634,939. In 2021, Veolia acquired ZENON.

Recently, MUED staff collaborated with Veolia to develop a MBR preventive maintenance and replacement program specifically designed for the City's WWTP. This program includes annual inspections, testing, and preventive maintenance practices that will maximize the service life of the MBR system, and includes the supply and installation of replacement MBR cassettes near the end of the twelve (12) year program term. This program resolves supply chain issues that continue to plague the wastewater treatment industry, and provides remote technical support around the clock. The program also provides MBR cassette replacement timing flexibility to ensure WWTP performance is not compromised.

On motion of Mayor Pro Tempore Marc Shaw, seconded by Council Member Paul Barich, the City Council unanimously determined, by roll call vote, that approval of the Wastewater Treatment Plant Membrane Bioreactor filter preventive maintenance and replacement Agreement with Zenon Environmental Corporation is exempt from environmental review pursuant to Section 15061(b)(3) of the State's guidelines implementing the California Environmental Quality Act; and approved a twelve-year sole source Wastewater Treatment Plant Membrane Bioreactor filter preventive maintenance and replacement Agreement with Zenon Environmental Corporation with $219,578 annual payments, for a total value of $2,634,939.

Vote: 5 - 0 Passed

COUNCIL MEMBER ANNOUNCEMENTS AND ACTIVITIES

Council Member Barich expressed his deep appreciation for all the condolences he has received since the passing of his father, George Barich.

ADJOURNMENT

Mayor Saucedo adjourned the meeting at 7:28 P.M. in honor of George Walter Barich, who passed away on December 22, 2024 at the age of 96. He founded Orangewood High School and served as principal for 16 years. He also served as principal of the Redlands Adult Education School and was instrumental in developing the work experience program for the state of California. He coached various sports at Redlands High School and the University of Redlands. He will be greatly missed. The next regular meeting of the City of Redlands City Council will be held on February 4, 2025.

REDLANDS FINANCING AUTHORITY

Chairman Saucedo called the meeting to order and offered anyone present the opportunity to address the Board on any subject, not already on the agenda, within the jurisdiction of the Redlands Financing Authority.

PUBLIC COMMENT

None forthcoming

Minutes

On motion of Board Member Tejeda, seconded by Board Member Barich, the minutes of the regular meeting of September 17, 2024, were approved, by roll call vote.

Vote: 4 – 0 Passed (Vice Chair Shaw Abstained)

ADJOURNMENT

There being no further action required the meeting adjourned at 7:29 P.M. The next regular meeting of the Redlands Financing Authority will be held on May 20, 2025.