

CITY OF REDLANDS
MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION

ADEKUNLE OJO, CHAIRPERSON	STEVE STOCKTON, VICE CHAIRPERSON
R. BRAD THOMS, COMMISSIONER	ZACHARY TRAVIS, COMMISSIONER
THOMAS BREITKREUZ, COMMISSIONER	DAVID GARCIA, COMMISSIONER
CHANDRASEKAR 'CV' VENKATRAMAN, COMMISSIONER	

REGULAR MEETING AGENDA

MONDAY, AUGUST 9, 2021, 4:00 PM

City Council Chambers

Civic Center, 35 Cajon Street, Redlands, California

This meeting will be an in-person meeting with teleconferencing available for Commissioners. Votes may be conducted by roll call and public comment will be offered in the Council Chambers during the meeting.

1. ATTENDANCE & CALL TO ORDER

2. PUBLIC COMMENT

At this time, the Commission will provide an opportunity for the public to address them on the subject items listed on this agenda. For items not listed on this agenda, but within the jurisdiction of the Commission, note that no general discussion items, or action on such items, may be taken by the Commission. Please limit your comments to 3 minutes. Written public comments will be electronically distributed to Commission Members and noted in the meeting minutes.

3. APPROVAL OF MINUTES

A. June 7, 2021 Regular Meeting Minutes

4. DIRECTOR'S REPORT

5. NEW BUSINESS

A. Update on the Environmental Process of the Seven Oaks Dam Intake and Outlet Structure

6. POSSIBLE AGENDA ITEMS FOR NEXT MEETING

7. ADJOURNMENT – Next Meeting is October 4, 2021 @ 4:00 pm

ATTACHMENTS: (1) Draft Minutes of June 7, 2021 Regular Meeting
(2) Director's Report

In compliance with the Americans with Disabilities Act, if special assistance is needed to participate in this meeting, contact Goutam Dobey of Municipal Utilities/Engineering Department at (909) 798-7584 x2. 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) NOTE: Any writings or documents distributed to a majority of the Municipal Utilities/Public Works Commission regarding an open session agenda item less than 72 hours before this meeting are available for public inspection at: www.cityofredlands.org/municipal-utilities-public-works-commission, the Municipal Utilities & Engineering Department at 35 Cajon Street, Suite 15A, or calling (909) 798-7698 x4145.

CITY OF REDLANDS
MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION
Regular Meeting Minutes
June 7, 2021, 4:00 PM

This meeting was conducted as a teleconference meeting. All votes during the meeting were conducted via roll call.

In compliance with public health recommendations to limit public gatherings during the Covid-19 pandemic and acting as the City of Redlands Emergency Services Director, City Manager Charles M. Duggan Jr., directed meetings of the Municipal Utilities/Public Works Commission (MUPWC) of Redlands be closed to the public until further notice or until the current local State of Emergency has been lifted. The MUPWC will continue to meet to conduct essential business. Any public comments (up to 250 words) received by noon, June 7, 2021, were read aloud by MUPWC liaison.

1. ATTENDANCE

A quorum was reached with the following commissioners present at time of roll call: Vice Chairperson Steve Stockton, Commissioners Chandrasekar 'CV' Venkatraman, Tom Breitkreuz, Zachary Travis, and David Garcia. A quorum was established with 5 of 7 members present at time of roll call. Chairperson Adekunle Ojo and Commissioner Brad Thoms were excused after the fact as both encountered challenges in joining the meeting due to their connectivity issues. City staff and guests present were: City Council Liaison Eddie Tejada, Municipal Utilities and Engineering Director John Harris, Engineering Manager Goutam Dobey, Utilities Operations Manager Kevin Watson, Senior Project Manager Ross Wittman, Construction Manager Kyle Wagner, and MUPWC Liaison/Administrative Analyst Elizabeth Boehling. Following the meeting, one member of the public alerted City staff that after attempting to connect to the meeting via the Zoom login and passcode on the agenda he was unable to connect and hear the meeting.

2. CALL TO ORDER

The meeting was called to order at 4:10 PM. Vice Chairperson Steve Stockton thanked and welcomed everyone for attending.

3. PUBLIC COMMENT

Mrs. Boehling stated no public comments had been received.

4. APPROVAL OF MINUTES

A. April 5, 2021 Regular Meeting Minutes

The minutes for the April 5, 2021 regular MUPWC meeting were reviewed.

A motion was made by Commissioner Garcia and seconded by Commissioners CV and Breitkreuz (both were heard simultaneously) to approve the meeting minutes for April 5. Vice Chairperson Stockton asked all in favor to say aye and noted none opposed. The motion passed 5-0.

5. DIRECTOR'S REPORT

Director Harris reiterated this portion of the Commission's agenda is a follow up report to the Commissioners of any items requested at their previous meeting(s), and that he would provide highlights to the report contained within the agenda packet disseminated and published prior to the meeting.

To begin, Director Harris mentioned City staff Jane Weathers had recently registered each MUPW commissioner to automatically receive via email the Planning Commission meeting agendas and that they may unsubscribe any time.

A status of the water and wastewater operations was provided. Through 2020, slightly more water than the average 2018-2019 year was distributed, and about 3% more sewage was treated. This was likely due to more residents at home during the Covid-19 pandemic and increased outdoor water usage. The decrease in recycled water usage last year may have been due to many businesses reducing their irrigation needs throughout the pandemic. The additional potable water production encountered increased total organic carbons causing seasonal algae blooms. Several miles

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of sewer lines are being cleaned weekly. Laboratory staff saw an increase in water quality testing and analyses due to additional wells being utilized. The warmer weather results in lower flow and increased solids, requiring staff to manage the biological and chemical reactions that incur. The recycled water demand is now beginning to increase which is typical for this time of year.

Regarding the City's 2020 Water Pipeline Replacement Project, the project was awarded to Tryco General Engineering in April and will replace about two miles of aging waterlines with completion expected in summer 2021.

Concerning the Pavement Management Project (PMP), Director Harris explained the bid was rescinded due to a contracting issue and the contractor safety plan that would potentially escalate the project and future project costs. To resolve this, staff is combining the FY 20/21 and FY 21/22 PMPs into one PMP project and issuing a new request for bids (RFB) in late July/early August. A new construction contract and procurement/contracting procedures will be revised for City Council's consideration, with the plan to award the PMP project in September with an anticipated completion by spring 2022. A brief discussion ensued regarding the City's contractor safety program and the anticipated inclusion of an appeal process. In response to an inquiry regarding the impact to the water project that coincides with the pavement projects, Director Harris anticipated no impact.

In response to an inquiry from Vice Chairperson Stockton regarding the City Council's recent approval of an approximate \$609,000 financial contribution to Inland Valley Development Authority (IVDA), the agency responsible for the redevelopment around the San Bernardino International Airport, Director Harris provided explanation. As part of that redevelopment, Mountain View Avenue was identified in the Environmental Impact Report (EIR) adopted over a decade ago to improve its infrastructure. Over the years, City and IVDA coordinated to include three of the City's project improvements (which were not required per the EIR) within IVDA's scope of work. These efforts were beneficial to IVDA and the City by incorporating City projects into IVDA's construction projects and maximized City's funding budgeted for each project.

Director Harris' report includes quarter versus annual CIP project updates to the MUPWC which was detailed in Attachment D of the report. Following FY 21/22 budget adoption at the June 15th City Council meeting staff presented to City Council their recommendations of issued RFBs and sole source waiver recommendations. Staff coordinated and planned projects and procurement swiftly to meet an aggressive FY 21/22 CIP delivery schedule to include many projects such as: multi-year well rehabilitation and booster pump replacements; water and non-potable water meter replacements and meter pit lids installed with Automated Meter Infrastructure antennas; water infrastructure condition, seismic, and structural assessment; Sunset Reservoir/Recycled Water Reservoirs engineering; and Tate Water Treatment Plant's program logic controller. Commissioner Garcia noted a funding opportunity through East Valley Water District and the California Resource Agency offering grant monies for replacing water meters.

The wastewater, potable, and non-potable water master plans are currently in progress. The potable and non-potable master plans fell behind schedule by about eight weeks due to the departure of the consultant's project manager. All master plans have hydraulic models completed which are also in staff review.

The condition, seismic, and structural assessment of the City's critical water infrastructure has facilitated the reduction of future anticipated water capital project costs and allowed for the inclusion of data and recommendations within the request for proposals for the Sunset Reservoir/Recycled Water Reservoirs Engineering Project. Updates to follow on the assessment and whether the City is awarded a CalOES grant which may pay for this assessment.

6. OLD BUSINESS

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A. Format of Future Public Meetings

It was reported that public meetings will continue to be conducted through Zoom until further notice. Staff is awaiting City Council's decision to modify the public meeting venues which could change by July. No further comments were received on this matter.

7. NEW BUSINESS

Staff did not have any new business to discuss.

8. POSSIBLE AGENDA ITEMS FOR NEXT MEETING

Commissioner Garcia brought up an article regarding San Bernardino Valley Municipal Water District (Valley District) and Seven Oaks Dam. In the early 1990s the cities of Redlands, San Bernardino, and Riverside (through Western Municipal Water District) paid for access to domestic water and the inlet/outlet behind the dam. He asked if the City or Valley District can provide an update on an environmental assessment that may have been completed and when access to the water behind the dam will be available. Discussion amongst the commission followed with Director Harris offering to research and provide an update.

Vice Chairperson Stockton asked about the vulnerability of the City's water system and for an update on the seismic vulnerability study. Commissioner CV provided his experience on performing vulnerability assessments and implementation. Director Harris will provide an update on the vulnerability assessment currently being performed and which staff has already budgeted in the next fiscal year to implement improvements.

Director Harris inquired if there were any other items and summarized the following to be provided at the next meeting: an update on the environmental process of the Seven Oaks Dam intake and outlet structure, status of vulnerability assessments and seismic plan, and a more detailed construction and/or improvement projects budgeted for FY 2021-2022.

Following an inquiry regarding the placement of vertical rubber sticks at the gore point on Ford Street at Redlands Boulevard to make that area more visible, Director Harris stated staff will remain aware of it.

Commissioner Garcia requested to add to the next agenda an update on the City's water conservation turf rebate program and clarify if it includes commercial and multi-residential owners (and Home Owners Associations). Director Harris asked Mr. Wittman to provide a follow up to the Commission to clarify if the City's rebate program includes commercial entities or if the City would consider expanding tending rebate opportunities within its program.

City Council Liaison Tejeda asked for an update on what the department is doing currently and planning to do in the future to ensure the Wastewater Treatment Plant does not end up in the state it was in December 2019. A brief discussion ensued regarding prior utilities rate studies, annual CPI adjustments, plant equipment lifespan, and planning and budgeting for capital projects. Director Harris will add an update on this subject to the next agenda.

Commissioner Breitreuz requested adding to a future agenda the discussion of a sinking fund for capital projects to replace infrastructure. Director Harris explained the City reserves funding designated by a line item for anticipated projects. Vice Chairperson Stockton requested to add to the Commission agenda nearer to budget time.

9. ADJOURNMENT

Vice Chairperson Stockton thanked everyone and adjourned the meeting at 4:52 pm. The next regular meeting is scheduled for August 2, 2021.



City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department

JOHN R. HARRIS
Director

MEMORANDUM

TO: Adekunle Ojo, Municipal Utilities/Public Works Commission Chair

FROM: John R. Harris, Municipal Utilities & Engineering Department Director

DATE: July 26, 2021

SUBJECT: August 2021 Director's Report

Hello and thank you for serving the Redlands community as a Municipal Utilities/Public Works Commissioner (MUPWC)! City of Redlands Municipal Code Chapter 2.38 establishes the responsibilities of the MUPWC as follows:

"The commission is a resource for the City Council and City staff and buffer with the general public. In its advisory capacity, the commission shall be knowledgeable of all public works, utilities and engineering programs. The commission shall, through the individual and collective expertise of its members, provide advice to the Public Works and Municipal Utilities Departments regarding the public acceptability of proposed plans, programs and projects."

FY 20/21 Waterline Replacement Project Update

On April 20, City Council awarded a Construction Contract to Tryco General Engineering (Tryco) for the FY 20/21 Waterline Replacement Project. A project location map is provided as Attachment "A". Bids ranging from \$2.025M to \$4.825M were received from ten (10) contractors. Tryco submitted the lowest responsive bid of \$2,025,170, and will replace approximately two (2) miles of aging waterlines. The project is approximately seventy-five percent (75%) complete, and contract change orders totaling approximately \$50,000 have been authorized since the project began. The FY 20/21 Water Project budget includes approximately \$2.5M for this project.

PMP Update

On March 9, a Request For Bids was issued for construction of the FY 20/21 Pavement Management Project (PMP). Soon after, I became aware of a potential contracting issue that could significantly impact this, and other Capital Improvement Projects (CIP). The RFB was rescinded on April 14 to provide staff the opportunity to consider responsible revisions to our procurement

and contracting procedures that are in the City's best interest. We combined the FY 20/21 and FY 21/22 PMPs into a single project, added necessary sanitary sewer collection system improvement elements, and issued a new RFB in early-July. The total budget, which is a combination of the FY 20/21 PMP, FY 21/22 PMP, and Wastewater Collection System Improvement budgets, is \$9,362,966 (\$4,901,966, \$4,000,000, and \$461,000 respectively). On July 21, we received bids from three (3) paving contractors (Attachment "B"). Match Corporation submitted the lowest bid of \$9,235,780, which is approximately two percent (2%) below the approved project budget. City Council will consider a Construction Contract recommendation in September, and the project will be completed in spring 2022. A project location map is provided as Attachment "C".

2021 Q3 Capital Improvement Project Update

The MUPWC is charged with, among other things, "*annually reviewing the City CIP under the purview of the Public Works and Municipal Utilities Departments*" (Municipal Code 2.38.030). However, during the December 7, 2020 MUPWC meeting, the Commission asked the MUED staff to provide quarterly CIP updates. A summary and status of CIP projects is provided in Attachment "D".

As you know, the FY 21/22 CIP delivery schedule is aggressive, and success requires thoughtful project coordination and planning. To meet this obligation, MUED issued several RFBs and developed Sole Source Waiver recommendations for City Council consideration on June 15, which was the first meeting after approval of the FY 21/22 Operating Budget. That strategy is working well, and our CIP delivery is currently ahead of the anticipated schedule. Highlights of current project are provided below:

1. Multi-Year Well Rehabilitation & Booster Pump Replacements – Five (5) potable water wells, two (2) non-potable water wells, and two (2) booster pumps will be rehabilitated in FY 21/22 through a single task order. Additional task orders will be issued in each of the next two (2) fiscal years through contract extensions to rehabilitate thirteen (13) more wells. A Purchase Order was issued on July 15, and a kick-off meeting is scheduled for July 27.
2. Water Meter Replacements – A Sole Source Waiver recommendation was developed to purchase potable and non-potable water meters through Ferguson Waterworks, the exclusive west coast distributor for Neptune water meters. Ferguson will supply and replace all non-potable water meters, and approximately twenty percent (20%) of the potable water meters within our service area. They will also replace meter pit lids with new lids fitted with Automated Meter Infrastructure (AMI) antennas. Ferguson will mobilize and begin replacing water meters in August.
3. Water Infrastructure Condition, Seismic, & Structural Assessment – Several progress meetings have been conducted with Brady & Associates (Brady) since the April 1 kick-off meeting. Initially, Brady focused on assessment of the Sunset Reservoir, and determined that it must be replaced soon. Brady and MUED staff met with adjacent property owners to discuss a temporary lease of private property, upon which a temporary water storage

tank will be installed and operated while the Sunset Reservoir is replaced. The property owners are also interested in selling the property (approximately 20 acres) if acceptable terms can be negotiated. This may allow MUED to construct a larger reservoir, or multiple reservoirs, to begin consolidating water storage facilities. This project is on-schedule and on-budget.

4. Sunset Reservoir/Recycled Water Reservoir Engineering – A scope of work was initially developed to engineer all three (3) reservoirs, with separate Plan, Specification, and Estimate (PS&E) packages. The recent developments related to the Sunset Reservoir may drive MUED to separate this into two (2) design projects. A Request For Proposals will be issued when Brady completes the Sunset Reservoir condition, seismic, and structural assessment.
5. Citywide Sidewalk and ADA Ramp Replacements – The FY 21/22 Operating Budget includes approximately \$1.5M for this project, which includes a portion of the project Measure T revenues. MUED issued a bid notice in early-July for the first phase of this project, and received bids from eight (8) contractors on July 21 (Attachment “E”). The budget for this phase is \$500K, and the lowest bid is approximately \$377K. A bid notice for the second phase will be issued early in 2022 when Measure T revenues have been evaluated. A location map is provided as Attachment “F”.
6. AWIA Risk & Resiliency/Emergency Response Plan – This is a 2018 mandate for utilities serving more than 3,300 customers. Carollo Engineering is contracted at \$187,150 to determine and prioritize potential threats and vulnerabilities to the water system, and to identify potential consequences. The project is on-budget. The contract term was extended to December 31, 2021.
7. Water Infrastructure Condition/Seismic/Structural Assessment – Brady & Associates is contracted at \$1,495,555 (\$233,731 expended to date) to assess water reservoirs, pump stations, and transmission lines. The project is on-schedule, under-budget, and has already identified significant cost-savings for the City’s Water Projects Fund.
8. Tate WTP PLC Controller – A Sole Source Waiver recommendation has been developed to hire Tesco Controls (Tesco), who completed the first half of this project in FY 20/21.

Procurement of the remaining FY 21/22 CIP work will occur within the next few months. A couple of these projects (Hinckley WTP Sludge Press, Tank Mixer Installations) are relatively simple to procure. The final phase of our Water System SCADA Project is currently being designed, and implementation will follow soon after. The Tate WTP Transmission Line Replacement Project engineering scope of work will have been developed, and we intend to issue a RFP soon. The Well Perchlorate Treatment Evaluation scope of work will be developed soon. The FY 21/22 Waterline Replacement Project is being engineered in-house, and the construction phase will bid in winter 2021.

Wastewater Treatment Plant Project Update

As you know, Phase 1A of the WWTP Rehabilitation Project was successfully completed and accepted in November 2020. GSE Construction Company, Inc. was awarded a contract to construct



Phase 1B of the Project in November 2020, which includes furnishing and/or installation of the following equipment:

- Fine Screens and Associated Equipment: Removes objects to prevent damage to the newly installed MBR filters;
 - Status - Structure is built and fine screens are installed;
Fine screen thirty inch (30”) PE pipe supports installed;
Fine screen grating and stair tread installation – July 23
- Ejector Priming System Upgrades: Removes air from the permeate vessel to prevent air locking of pumps;
 - Status - New ejectors installed and operating
- Scour Blowers and Associated Equipment: Creates air scouring, which provided premium efficiency and cost savings to the City. The blowers operate on a 24-hour basis, producing scour air that backwashes the filter media;
 - Status – Blower #1 start-up scheduled for July 26;
Blower #2 start-up scheduled for July 29
- Digester Boilers and Heat Exchangers: Maintains proper temperature for bacteria to decompose sewage sludge and produce digester gas;
 - Status - Digester boiler ductwork currently being installed
- Gas Conditioning System: Cleans and conditions the gas to burn cleaner in the boilers to meet air quality regulations.
 - Status - HDPE piping installation in progress;
Duct bank excavation in progress;
Gas conditioning conduit installation in progress;
Eight inch (8”) drain piping installation in progress;
Gas conditioning foundation form work completed;

The original WWTP P1B Project budget is approximately \$6.1M. Separately, the FY 20/21 Wastewater Operating Budget included approximately \$350K for WWTP SCADA improvements intended to be completed by Tesco Controls, Inc. In December 2020, this work was authorized as a change order (\$313,344) through the GSE Construction contract to avoid costly project delays. Additional change orders totaling approximately \$280K have been authorized, primarily to resolve subsurface utility conflicts. So, while the available P1B contingency is nearly exhausted, approximately half is associated with a separately budgeted Wastewater Fund project. We recently learned that the addition of an impure water pump station and associated piping will be necessary to provide consistent and reliable water pressure to the fine screens. This was originally planned for construction during the WWTP P2 Project, and is estimated to cost approximately \$109K. MUED will seek City Council approval for a budget adjustment of approximately \$200K soon.

Engineering of the WWTP P2 Project is progressing well. Approximately \$3.9M remains in the original \$4.4M Parsons Engineering contract. This project is on-budget and on-schedule. Parsons and MUED staff communicate multiple times each week to ensure a State Revolving Fund application is submitted for construction of this project prior to the submittal deadline.

Water Conservation Rebate Program Update

The City's Water Efficiency Rebate Program was adopted by Resolution No. 7655 on July 5, 2016. The Program assists the City in complying with mandates in the 2009 Water Conservation Act, and incentivizes water conservation within our service area. The Resolution describes incentives for each of the following: High Efficiency Sprinklers, Weather-Based Irrigation Controllers, Synthetic Turf/Irrigation-Less Groundcover Conversions, High Efficiency Washing Machines, High Efficiency Toilets, Drought Tolerant Plant Conversions and Small Grove Irrigation System Retrofits. During the last year, approved rebates for high efficiency sprinklers, weather-based irrigation controllers, and synthetic turf/irrigation-less groundcover conversion have decreased, while approved rebates for high efficiency washing machines and toilets, and drought tolerant plant conversions have increased.

Rebate amounts for each are listed below:

High Efficiency Sprinklers:	\$4/Sprinkler
Weather Based Irrigation Controller:	Up To \$150
High Efficiency Washing Machine:	\$100
High Efficiency Toilet:	Up To \$100
Drought Tolerant Landscape Conversion:	\$0.61/SF
Synthetic Turf/Irrigation-less Groundcover Conversion:	\$1/SF (\$300 max)
Small Grove Irrigation System Retrofit:	Up To \$1,000
Other:	\$1/150 Gallons Saved Annually
(\$500/Customer/Fiscal Year Total Combined Rebate Maximum)	

MUED staff will consider the following rebate programs/changes in the near future:

- Leak Detection Technology
- Large Site Turf Conversion Rebates
- Re-evaluate Rebate Amounts
- Increase Annual Rebate Amount Cap

Water conservation became a “way-of-life” in Redlands almost a decade ago. Since then, approximately 6,000 residents have reported water waste incidents, and more than 12,000 water waste warnings and citations have been issued. MUED have resumed in-person audits, with appropriate COVID-19 prevention protocols, with customers in May 2021.

MUED staff is updating the Redlands Municipal Code (RMC) Chapter 13.06 Water Conservation Plan. The RMC update will include a holistic evaluation of the Water Efficiency Rebate Program, with an emphasis on expanding the most successful program elements, and improving our marketing of the less successful elements.

Long-Range Planning



In June, MUED was asked to explain how a near-catastrophic failure of the WWTP would be avoided in the future. The response applies to all City of Redlands infrastructure assets, and includes Engineering/Construction, preventive maintenance, and financial considerations.

- Engineering – As you know, MUED is actively engaged in several Engineering projects to support activities that will extend the service-life of assets, and rehabilitate, upgrade, and/or replace them at appropriate times. Ideally, this planning occurs years prior to a need in order to avoid the situation we are currently dealing with at the WWTP. The WWTP projects currently being engineered and constructed will be included in a periodic preventive maintenance plan, and scheduled for major reconstruction or replacement prior to the end of their anticipated service life dates. For instance, the MBR filters installed in 2020 have a fifteen (15) year anticipated life cycle. MUED will likely schedule incremental replacements beginning in year twelve (12). Our Water and Wastewater Master Plans will also guide infrastructure maintenance and replacement schedules. On July 21, we received a very encouraging Wastewater Master Plan update from Dudek. Their capacity analysis of the wastewater collection system indicates that less than five (5) miles of pipelines will need to be up-sized in the next fifty (50) years. Dudek also identified an opportunity to significantly reduce power costs (approximately \$1M/annually) at the WWTP by constructing a co-generation facility to reuse digester gas boiler system emissions. They also identified no unit process capacity deficiencies at the WWTP, and recommend a focus on infrastructure rehabilitation/replacement, permit compliance, and optimization in the future. The MUED Master Plans and multi-year CIP provide a framework to ensure the long-range reliability of all utility system assets.
- Preventive Maintenance – MUED developed a multi-year CIP in 2020 to ensure infrastructure assets are maintained at appropriate frequencies. Many of the CIP projects are preventive maintenance practices that occur annually. These include well and booster pump rehabilitations, water and wastewater pipeline replacements, seismic and structural studies and retrofits, and street, alley, sidewalk, and ADA ramp rehabilitation project to name a few.
- Financial – MUED is now focused on optimizing systems to capture lost revenue, generate additional revenue, and reduce operating costs. We are replacing potable and non-potable water meters to capture approximately twenty percent (20%) in lost revenue attributed to meter inaccuracy. When this five (5) year project is complete, we will begin scheduling annual water meter replacements to consistently maximize revenues. We are also exploring the previously discussed digester gas boiler system emission co-generation facility as an opportunity to reduce operating expenses at the WWTP. These and many other projects are being developed to create reliable, high-performing utility systems capable of serving our customers for decades.

As always, feel free to contact me anytime to discuss MUED issues, programs, projects, or concerns.

John R. Harris



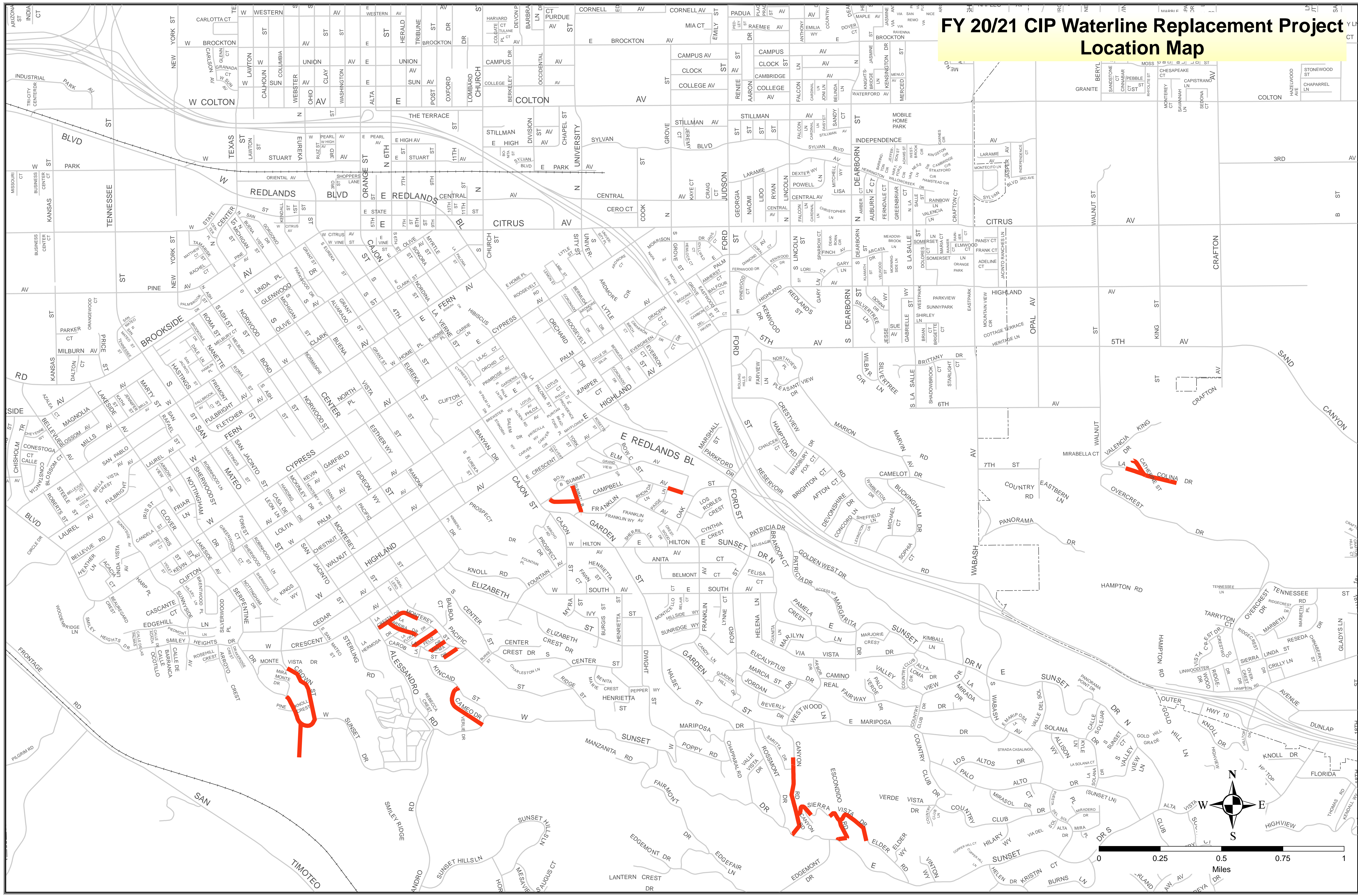
jharris@cityofredlands.org

(909) 725-1963

Attachments:

- A. FY 20/21 Waterline Replacement Project Location Map
- B. PMP 2021 Street Resurfacing Project Bid Report
- C. PMP 2021 Street Resurfacing Project Location Map
- D. CIP Status Summary
- E. Citywide Sidewalk & ADA Ramp Replacement Project Bid Report
- F. Citywide Sidewalk & ADA Ramp Replacement Project Location Map

FY 20/21 CIP Waterline Replacement Project Location Map



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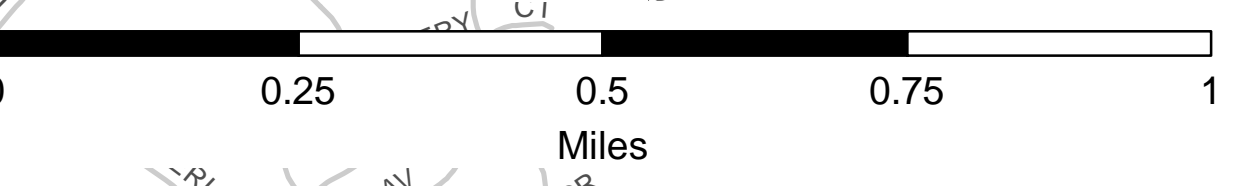
GARDEN ST

ALESSANDRO RD

CAMEO DR

CROWN ST

SIERRA VISTA DR



**CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT**

The following bids were opened on the **21st day of July, 2021**, at **2:00 p.m.** on behalf of the Municipal Utilities and Engineering Department for **PMP 2021 Street Resurfacing Project – Project No. 211003**. 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 Signed	Bid Bond	Addenda Acknowledged (1)	Bid Amount
1	Matich Corporation, Highland CA	Yes	Yes	Yes	\$9,235,780.00
2	All American Asphalt, Corona CA	Yes	Yes	Yes	\$9,236,346.85
3	R.J. Noble Company, Orange CA	Yes	Yes	Yes	\$9,339,898.00


Jeanne Donaldson, City Clerk
City of Redlands, California

emailed: Councilmembers,
City Manager, City Treasurer, PIO, Press
Department Head: John Harris
Staff: Goutam Dobey

MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT
CIP PROJECTS LIST

PLANNING		Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget
P1	WATER	501910		Tank Mixers Installation	PLANNING	1%		Paul	\$100,000.00
P2	WATER	501910	501009	Hinckley Sludge Press	PLANNING	1%		Goutam/Paul	\$300,000.00
P3	WATER	501910		Tate WTP Transmission Line Assessment	PLANNING	1%		Goutam/Paul	\$100,000.00
P4	WATER	501910		Tate PLC Replacement	PLANNING	1%		Paul	\$200,000.00
P5	WATER	501910	501007	Agate Well #2 Rehabilitation	PLANNING	1%		Paul/Goutam	\$175,000.00
P6	WATER	501910		Wellhead Perchlorate Treatment Evaluation	PLANNING	1%		Goutam/Paul	\$150,000.00
P7	WASTEWATER	521910		Alabama Septage Pond Remediation	PLANNING	25%		Johana	\$240,000.00
P8	WASTEWATER	521910		WWTP Drying bed leachate Remediation	PLANNING	1%		Johana	\$250,000.00
P9	NON-POTABLE	531910		Recycled Water Reservoirs	PLANNING	1%		Kevin	\$180,000.00
P10	GENERAL FUND	101400	400018	Citywide Storm Drain Improvements Project	PLANNING	1%		Gerard	\$500,000.00
P11	WATER CONSV	501910	501002	Brookside Median Landscape Improvements	PLANNING	1%		Cecilia/Goutam	\$240,000.00
P12	WATER	501910	501022	Hinckley/Tate Roof Repair Project	PLANNING	1%		Paul	\$100,000.00
P13	WATER	501910	501030	Hinckley WTP Safety Fencing Project	PLANNING	1%		Paul	\$40,000.00
P14	WATER	501910	501028	Reservoir Sites Fixed Generators (Tx. St. / C.C. / 5th Ave.)	PLANNING	1%		Veronica/Paul	\$750,000.00
P15	WATER	501910	501003	Sunset Reservoir Recoating & Improvement Project	PLANNING	5%		Kevin	\$700,000.00
P16	CDBG	200164	F164001	18/19 CDBG Civic Center ADA Improvements	PLANNING	1%		Veronica	\$94,525.00
Planning Projects - Cost Summary									\$4,119,525.00
DESIGN		Org Key	GL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget
D1	PMP/GF	211910	211005	Alley Paving Improvements	DESIGN	10%		Elva	\$1,350,000.00
D2	PMP	211910	211004	SBCounty/Mentone/Redlands Paving Project	DESIGN	15%		Goutam	\$78,750.00
D3	WASTEWATER	521910		2021 CIP Sewer Pipeline Replacement	DESIGN	10%		Johana	\$1,000,000.00
D4	ARTERIAL	252400	252001	Citrus Avenue Widening Project	DESIGN	10%		Elva	\$700,000.00
D5	TRAFFIC SIGNAL	253400	253007	Traffic Signal Improvements (Brockton/University)	DESIGN	5%		Elva	\$600,000.00
D6	WATER	501910		2021 CIP Water Pipeline Replacement	DESIGN	5%		Gerard	\$4,500,000.00
D7	WATER	501910	501006	Water System SCADA Design & Integration - Phase II	DESIGN	98%		Goutam	\$3,900,000.00
D8	HSIP C8	240400	F400001	HSIP Cycle 8 - Signal Preemption Project	DESIGN	65%	AGA Engineers, Inc.	Veronica	\$1,173,791.00
D9	HSIP C9	240400	F400003	HSIP Cycle 9 – Pedestrian In-Roadway Lights	DESIGN	65%		Veronica	\$250,000.00
D10	WATER	501910	501004	Hinckley WTP Backup Generator Replacement	DESIGN	25%		Paul	\$140,000.00
D11	ATP Cycle 2	240400	C400005	ATP Highland/Redlands Regional Connector - Orange St	DESIGN	65%	KOA Consultants	Veronica	\$1,532,843.00
D12	ATP Cycle 3	240400	C400007	ATP East Valley Corridor Bike Rte Interconnect - Alabama	DESIGN	75%	KOA Consultants	Veronica	\$2,112,000.00
D13	TDA	240400	S241001	Orange Blossom Trail - Phase 3	DESIGN	99%		Gerard	\$918,722.00
D14	HSIP C8	240400	F400003	HSIP Cycle 8 - Pedestrian Heads Project	DESIGN	95%		Veronica	\$260,000.00
Design Projects - Cost Summary									\$18,516,106.00
BID & AWARD		Org Key	GL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget
B1	SBCTA	254400	254002	I-10/Alabama Street Improvement (\$15,150,600)	BID & AWARD	50%	SBCTA/Advanced Civil Tech	Ross/Goutam	\$2,506,921.00
B2	PMP	211910	211003	PMP 2021 Street Resurfacing Project	BID & AWARD	50%		Gerard	\$9,235,780.00
B3	GENERAL FUND	101400	400015	Citywide Sidewalk and ADA Ramp Replacement Project	BID & AWARD	50%		Elva	\$377,249.82
Bid & Award Project - Cost Summary									\$12,119,950.82
CONSTRUCTION		Org Key	GL	Project Name	Project Phase	Progress	Contractor	PM/Inspector	Contract Amount
C1	WATER	501910	501037	Citywide Potable Water Meter Replacements	CONST	1%		Paul	\$1,815,000.00
C2	NON-POTABLE	531910	531006	Citywide Non-Potable Water Meter Replacement	CONST	1%		Kevin	\$93,000.00

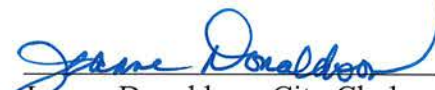
MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT
CIP PROJECTS LIST

C3	WATER	501910	501005	Wells and Booster Pump Maintenace	CONST	1%		Paul	\$1,034,181.10
C4	SBCTA	254400	254001	I-10/University Interchange Project (\$5,812,935)	CONST	5%	SBCTA/ADVANTEC/SEMA	Kyle/Darren	\$1,234,260.00
C5	WATER	501910	501031	2020 CIP Water Pipeline Replacement	CONST	75%	Tryco General Engineering	Gerard/Daniel	\$2,025,170.00
C6	WASTEWATER	521910	521006	MBR & Digester Improvements Project- Phase 1B	CONST	65%	GSE Construction Co. Inc.	Goutam/Darren	\$6,128,100.00
C7	WATER	501910	501006	Water System SCADA Design & Integration	CONST	85%	Baker Electric, Inc.	Goutam/Paul	\$3,050,609.00
C8	WATER	501910	71060	2020 Citywide Pavement Repair for Water Projects	CONST	25%	Tryco General Engineering	Goutam/Daniel	\$429,020.00
C9	SBCTA	-	400010	Redlands Passenger Rail Project - SBCTA	CONST	95%	Flat Iron	Kyle/Ross/Darren	\$0.00
<i>Construction Projects - Cost Summary</i>									<i>\$15,809,340.10</i>
Project Total Dollars									\$50,564,921.92

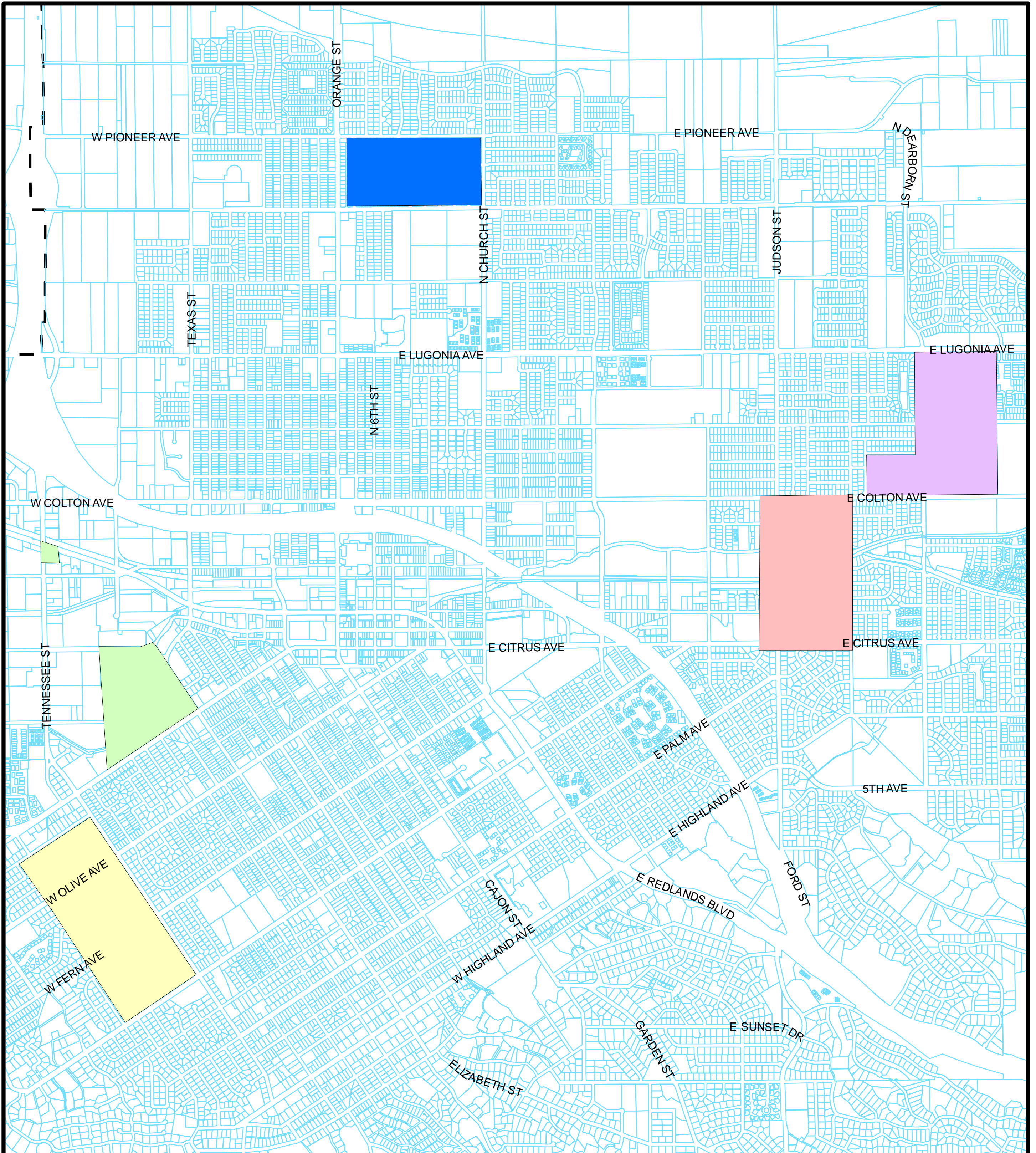
**CITY OF REDLANDS
OFFICE OF THE CITY CLERK
BID OPENING REPORT**

The following bids were opened on the **21st day of July, 2021**, at **3:00 p.m.** on behalf of the Municipal Utilities and Engineering Department for **2021 Citywide Sidewalk and ADA Ramp Replacement Project – Project No. 400015**. 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 Signed	Bid Bond	Bid Amount
1	Universal Construction and Engineering, Indio CA	Yes	Yes	\$377,249.82
2	L C Paving & Sealing, Inc., Escondido CA	Yes	Yes	\$384,637.59
3	IE General Engineering Inc., Beaumont CA	Yes	Yes	\$420,190.00
4	Martinez Concrete, Azusa CA	Yes	Yes	\$448,265.00
5	Gentry General Engineering, Rancho Cucamonga CA	Yes	Yes	\$475,622.00
6	Three Peaks Corporation, Calimesa CA	Yes	Yes	\$583,994.00
7	CT&T Concrete Paving Inc., Diamond Bar CA	Yes	Yes	\$623,741.00
8	CMB Structures Inc., Rancho Cucamonga CA	Yes	Yes	\$1,109,689.00


Jeanne Donaldson, City Clerk
City of Redlands, California

emailed: Councilmembers,
City Manager, City Treasurer, PIO, Press
Department Head: John Harris
Staff: Elva Arellanes, Goutam Dobey



2021 CITYWIDE SIDEWALK AND ADA RAMP REPLACEMENT PROJECT LOCATION MAP

Legend:

- Projected Area 1
- Projected Area 2
- Projected Area 3
- Projected Area 4
- Projected Area 5

