



AGENDA

ADJOURNED STUDY SESSION December 8, 2021 9:00 AM

DIRECTORS PRESENT: Burke ☐ Edmondson ☐ Morris ☐ Ryan ☐ Williams ☐

PUBLIC COMMENTS

Members of the public may make comments in-person, virtually, or submit a Public Comment Request Form located at <https://www.evmwd.com/evmwd-publiccomment>, prior to the close of Public Comments. Please note, individuals have a limit of three (3) minutes to make comments and will have the opportunity when called upon by the presiding officer.

DISCUSSION ITEMS

1. Introduction of New & Promoted Employees
2. Professional Services Agreement with Carollo Engineers, Inc. for Updates to the Master Plans for Water, Sewer, and Recycled Water System Facilities
3. Public Works Contract with Trinity Construction for the Palomar Well No. 2 Water Improvement Plans Project
4. Master Services Agreement with Systems Integrated
5. Task Order No. 11 with Avidex Industries LLC for the Control Room Upgrades and Video Wall Implementation
6. Professional Services Agreement with Planetbids, Inc. for E-Procurement Services
7. Project Updates/Change Orders
8. Board Committee Updates
9. Other
10. Adjournment

To request a disability-related modification or accommodation regarding agendas or attendance, contact Terese Quintanar, at (951)674-3146, extension 8223 at least 48 hours before the meeting.



In the interest of public health and safety, this meeting will be conducted in accordance with provisions of the Brown Act and Assembly Bill 361. Participants who would like to join this meeting remotely can do so in one of the following ways:

For Online Participation:

Go to: www.zoom.us
Select Join a Meeting
Enter Meeting ID: 882 8598 7116
Meeting Password: 92530

For Call-in Only:

Call: (720) 707 2699
Enter Meeting ID: 882 8598 7116
Meeting Password: 92530

Introduction of New and Promoted Employees (Human Resources)

New Employees:

Daniel Leon-Mendoza – Water Resources Intern – start date, 11/8/2021

Jovanny Ramirez – Field Maintenance Worker I-PM -start date, 11/22/2021

Ivan Velarde – Collection Systems Maintenance Worker I-start date, 11/29/2021

Renee Elek – Senior Office Assistant – start date, 11/29/2021

Jordan Velasco – Field Maintenance Worker II-PM – start date, 12/6/2021

Promoted Employees:

Tommy Montoya – Field Maintenance Worker III-PM - start date, 11/1/2021



STUDY SESSION
DISCUSSION OUTLINE

Date: December 8, 2021

Originator: Parag Kalaria- Water Resources

Subject: **PROFESSIONAL SERVICES AGREEMENT WITH CAROLLO ENGINEERS, INC. FOR UPDATES TO THE MASTER PLANS FOR WATER, SEWER, AND RECYCLED WATER SYSTEM FACILITIES**

BACKGROUND AND RECOMMENDATION

Reason for Updating Master Plans

The current Water, Sewer and Recycled Water Master Plans were prepared by EVMWD in 2016. The Master Plans assist staff in establishing the future system needs and developing a Capital Improvement Program (CIP) that can be budgeted and implemented to accommodate changes and future needs of the District. A five-year period is considered the industry standard for updating the Master Plans.

In addition to updating the three master plans, this project includes an infiltration/inflow (I/I) Study in the southern section of the EVMWD service area. This section includes areas where the wastewater is conveyed to the Santa Rosa Regional Resource Authority (SRRRA) for treatment, and the areas tributary to EVWMD's Greer Ranch, Robards Way, Washington Ave., and McVicar Lift Stations from where the wastewater is conveyed to the Regional Water Reclamation Facility (RWRF) for treatment. All these southern areas have been reported to have significant I/I concerns in the past.

Currently there are four meters that measure wastewater flow sent to SRRRA. The wet weather flows to SRRRA, Washington Avenue, and McVicar Lift Stations have shown a significant increase during rain events. This Study will identify and prioritize key locations of excessive I/I in the above-mentioned drainage areas and recommend cost-effective corrective measures.

Specific locations are selected for wastewater flow monitoring to calibrate the sewer model and for the I/I Study. By including the I/I Study as part of this project, the sewer flow monitoring field work required for both the sewer model calibration and for the I/I

Study is expected to be accomplished more efficiently and cost-effectively because monitoring at some locations would benefit both tasks.

Current Status and Future Need

The existing 2016 Master Plans are over five years old and must be updated. The outcome of this project will include three separate updated master plans (Water, Sewer and Recycled Water). Completing updates of these Master Plans will result in development of the alternatives and solutions available to the District for future expansion and upgrades of EVMWD’s infrastructure.

Consultant Procurement and Recommendation

A request for proposals (RFP) to update the Master Plans and conduct the I/I Study was issued on Planet Bids on October 11, 2021. A mandatory preproposal meeting was conducted on October 21, 2021. Four proposals were received on November 9, 2021 from the following consultants:

1. Woodard and Curran
2. WSC
3. Carollo Engineers, Inc.
4. Stantec

A review panel was established to evaluate the proposals. Based on firm qualifications, experience, and project understanding, staff concluded that Carollo Engineers, Inc. is the most qualified consultant. The evaluation scores are as follows:

Proposal Evaluation Criteria¹	Cost Evaluation	Overall Quality of Proposal	Relevant Qualifications / Experience	Scope of Work and Schedule	Understanding of Project and Project Approach	Total Score
Weight	10%	10%	25%	25%	30%	100%
Woodard and Curran	90.00	80.00	200.00	200.00	240.00	810.00
WSC	80.00	85.00	212.50	225.00	255.00	857.50
Carollo Engineers	100.00	90.00	225.00	225.00	270.00	910.00
Stantec	50.00	85.00	212.50	225.00	255.00	827.50

Staff plans to present this item at the December 16, 2021 Board of Directors Meeting to recommend award of a Professional Services Agreement with Carollo Engineers, Inc. in the amount of \$968,426.00 to update the three Master Plans and complete the Southern Area I/I Study. This item, including overhead of \$4,842.00, as well as staff time (336 hours) and fringe benefits of \$90,420.00, totals \$1,063,688.00.

ENVIRONMENTAL WORK STATUS

This item does not constitute a project under CEQA.

FISCAL IMPACT

Within Budget – No. A supplemental appropriation is being requested in the amount of \$15,161 for the Recycled Water Master Plan with funding provided by the Recycled Water Replacement Program.

Attachments:

Proposal from Carollo Engineers, Inc.

PROPOSAL

UPDATE THE MASTER PLANS FOR **Water, Sewer, and Recycled Water System Facilities**

NOVEMBER 2021



carollo
Engineers ... Working Wisely With Water

November 9, 2021

Sudhir Mohleji
Elsinore Valley Municipal Water District
31315 Chaney Street
Lake Elsinore, California 92530

Subject: Proposal for the Update to Master Plans Water, Sewer, and Recycled Water System Facilities

Dear Mr. Mohleji and Members of the Selection Committee:

The Carollo team is excited to have the opportunity to once again work with the Elsinore Valley Municipal Water District (EVMWD) on your master plan updates for the water, sewer, and recycled water systems facilities.

Throughout our proposal, you will see that we have a long history and deep understanding of EVMWD, your previous master plans, and the way your various systems work. Our team is built around a robust group dedicated planning experts who have dedicated their careers to projects just like yours. We offer EVMWD the following benefits:

- **Success through proven project leadership.** Inge Wiersema and Tim Loper are planning experts that have delivered hundreds of planning projects throughout the U.S. With a strong team of experts to support them, we offer our best team with a history of delivering successful projects. Ryan Orgill and Matt Huang were integral in delivering previous editions of EVMWD sewer and water planning documents, and this team is ready to help meet the current District objectives.
- **Trusted recommendations through a robust approach.** As you will see in our proposal, Carollo is specifically focused on building the best tools, and conducting a focused analysis where we can develop recommendations that can be trusted. We offer a proven project approach focused on integration, as well as innovative modeling tools that provide efficient use of existing data. The recommendations provided by these plans can be trusted to provide a road map of capital projects for years to come.
- **Digital deliverables that provide flexibility and integrate with your current systems.** Carollo has focused on developing flexible digital deliverables, using ESRI Story Maps and Power BI Dashboard, which allow you to be nimble and responsive to changes in planning assumptions. These non-proprietary deliverables fit into your current planning systems and allow for easy communication to stakeholders and other key interest groups. We aren't going to recreate the wheel but make the systems you currently have better and more accessible.

Legal Name

Carollo Engineers, Inc.

Contact Person

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(P) 925-932-1710
(F) 925-930-0208
www.carollo.com

**Carollo's proposal is valid through Jun 3 9, 2022.*

Sudhir Mohleji
Elsinore Valley Municipal Water District
November 9, 2021

Page 2

We are excited to continue our long history of collaboration with EVMWD staff to develop strategic planning documents that help the District move forward. At Carollo, water is all we do. Water is our passion and we are excited to continue leveraging this passion into smart, justifiable, capital programs for all three of your systems. We look forward to discussing our proposed scope with you in detail. Please reach out to me, project manager Inge Wiersema, with any questions.

Sincerely,

CAROLLO ENGINEERS, INC.



Inge Wiersema, PE, ENV SP
Vice President



Eric Mills, PE
Senior Vice President

Table of Contents

Understanding of Project and Project Approach

Personnel

List of Representative Projects

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District Experience

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Acknowledgment of Insurance Requirements

Public Works Contractor Registration Certification

Addendum Acknowledgment

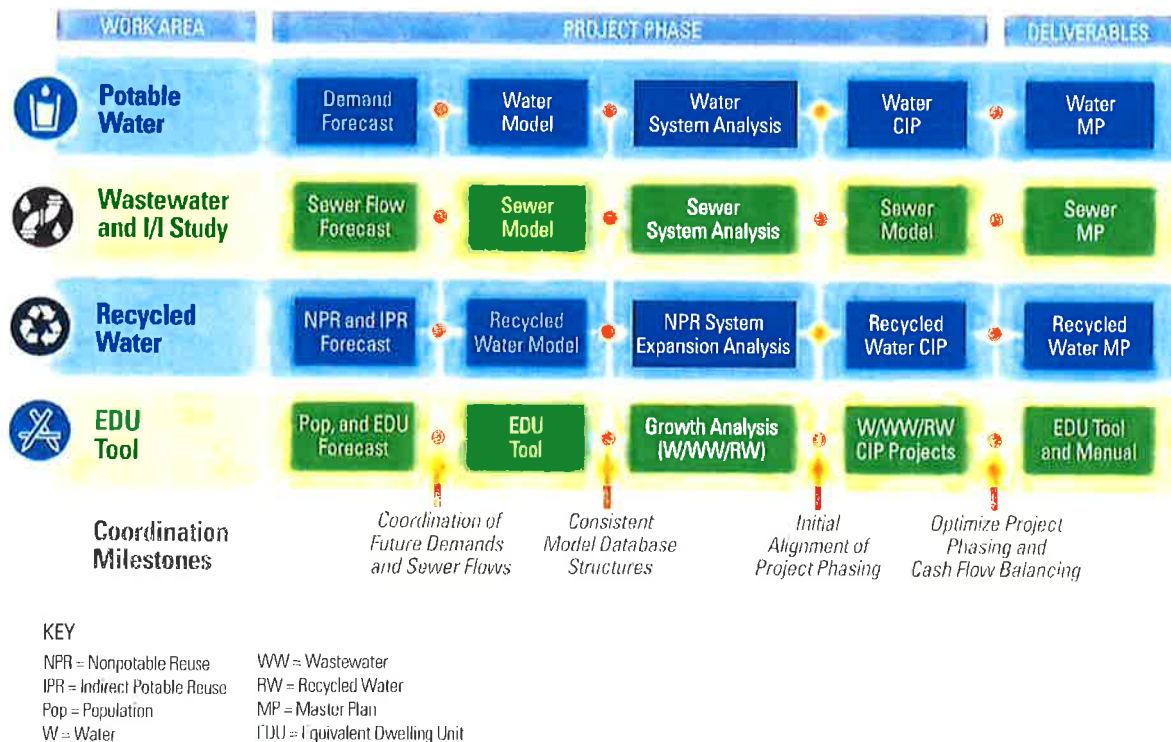
Resumes

Understanding of Project and Project Approach

Project Approach Summary

The Carollo team has developed an integrated project approach that results in three separate, but closely coordinated master plans, as well as a stand-alone I/I study and new dynamic planning deliverables such as the EDU tool, as well as other digital solutions, including Carollo's dynamic CIP tool, and interactive ESRI Story Maps. A detailed work plan of how we propose to execute and coordinate the various work efforts including the key meetings, deliverables, and the District's role is provided on page 4.

As shown in the detailed workflow and simplified summary below, there are a few critical milestones during the project to develop master plans that are closely coordinated and based on consistent planning assumptions. This means that although the water model was recently updated and re-calibrated, the sewer flow monitoring and sewer model update/calibration is on the critical path for the entire project to keep the work aligned around the following milestones:

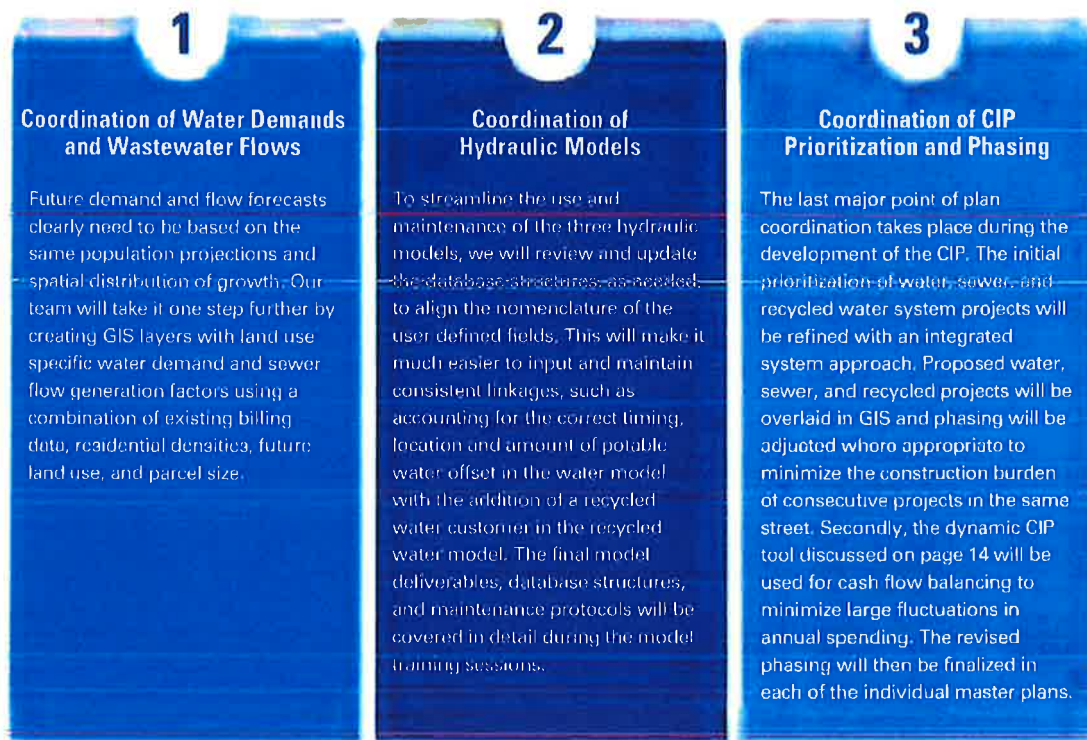


Some key highlights of our project understanding and approach for your Water, Sewer, and Recycled Water Master Plan updates are described on the following pages (5-13), while our proposed schedule and project delivery is described on page 18.

The detailed Scope of Services of Tasks 1-13 of the RFP is provided after the project schedule on page 21. In addition, we have included five optional tasks to enhance the master plan updates.

We welcome the opportunity to sit down with you and discuss your interest in any of the following tasks to meet your needs and budget:

- ▶ Task 14.1 - Condition Assessment of Water System Facilities.
- ▶ Task 14.2 - Condition Assessment of Sewer Collection System Facilities.
- ▶ Task 14.3 - Pipeline Replacement Program Tool.
- ▶ Task 14.4 - On-Call Modeling Support.
- ▶ Task 14.5 - Hydraulic Model Viewer.



The three major coordination milestones below align with Carollo’s internal quality control checks so that the work doesn’t move ahead until it has been thoroughly reviewed by our quality assurance (QA) and quality control (QC) team whom each bring a fresh pair of eyes to the four different deliverables.

In addition, our project manager, **Inge Wiersema**, will review all deliverables for consistency to provide coordinated master plans that the District can use to make defensible investment decisions for years to come. The timing of these reviews and deliverable milestones, as well as reviews expected from District staff, are presented with the project starting on page 18. Our approach section, starting on page 5, describes the key components of the water master plan, sewer master plan and I/I study, recycled water master plan, and electronic deliverables including the EDU tool.

In summary, our approach to this project is straight forward.

We have dedicated leads and technical advisors that can work in parallel on each of the five work efforts. To ensure alignment of the work, we will conduct weekly internal team calls, as well as monthly progress meetings with the District’s team. We will also set up a Microsoft Teams (MS Teams) channel and custom file structure to save all project files and allow quick communication between all team members from both Carollo and the District. This way, **we can all collaborate as one team**, share our progress, avoid surprises, and most importantly deliver the final master plans before the end of 2022 so you can use the final CIPs to plan capital spending in 2023 and beyond.

ESSENDE VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER, SEWER, AND RECYCLED WATER SYSTEM FACILITIES

Water Master Plan Approach

EVMWD has an extensive and fairly complex water distribution system with over 40 pressure zones, 70 storage tanks, and 50 booster pump stations. The water system will only become more complex in the future as growth continues to occur.

We know your water distribution system. Our team members have been involved in more than 30 different studies for EVMWD over the past 20 years. Our Water Master Plan task lead, **Matt Huang**, was the project engineer or project manager for both of EVMWD's 2002 and 2008 Water Distribution System Master Plans.

What We Know

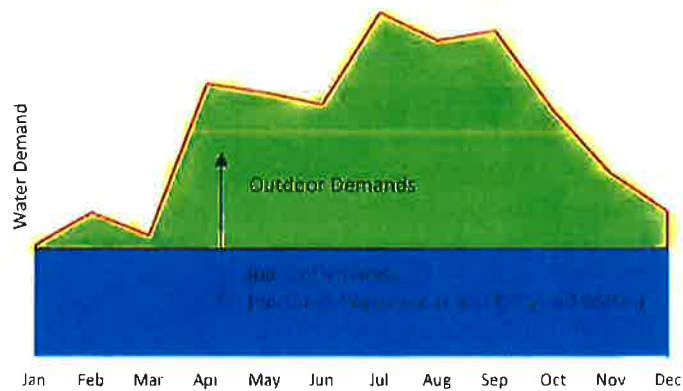
1. The 1434 zone is a long, extended zone, almost 20 miles from one end to the other, with five reservoirs, all at the same elevation, that have to be hydraulically balanced throughout the 1434 zone.
2. The water system needs to be able to operate without significant groundwater supplies from our experience on the GSP, so that groundwater can be kept for dry years.
3. The many booster pump stations that are required to pump to higher elevations from the 1434 zone, including the booster pump to Skymeadows with a 600 psi discharge pressure.
4. This intimate knowledge and understanding of your water system allows Carollo to hit the ground running, developing detailed and accurate recommendations without a learning curve.

PROPOSED ADVANCEMENTS TO WATER MODELING APPROACH

PROPOSED APPROACH	EVMWD BENEFIT
Use customer AMI data to determine and spatially distribute wastewater flows.	Consistency between master plans.
Enhanced EDU tool for tracking developments and calculating facility needs by zone.	Easy and frequent updates optimizes facility and investment timing.
Multi-day hydraulic model runs.	Transmission capacity needs identified.
Condition assessment of facilities.	Plan for replacement of aging infrastructure.

Carollo's approach to the Water Master Plan recognizes that coordination between water demands, wastewater flows, and recycled water supplies brings consistency between planning efforts.

EVMWD's AMI data provides new insight into water demand and wastewater flows. On a per connection basis, demands from low months (assumed to be indoor demands) will be translated into dry weather wastewater flows and recycled water supplies.



Carollo's approach brings true integration between the District's three master plans. Indoor water demands are equal to dry weather wastewater flows and recycled water supply.

ESIMORE VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER, SEWER AND RECYCLED WATER SYSTEM FACILITIES



High growth rates require the right infrastructure at the right time.

Due to the high growth rates, the right infrastructure is needed when growth occurs, not earlier. New infrastructure must be sized correctly to avoid stranded capacity while also minimizing the need for small increases of capacity at a later time. The EDU tool (see page 14) will help size storage, booster pump stations, and water supply needs. Planning for these infrastructure improvements using trigger-based decision-making will allow the District to develop the right facilities at the right time.

Multi-day hydraulic modeling helps develop the right transmission solutions.

Carollo will perform multi-day hydraulic modeling runs to address the long distances in the District's system. These longer runs will confirm that current and proposed infrastructure will allow the 1434 pressure zone reservoirs to fill and empty.

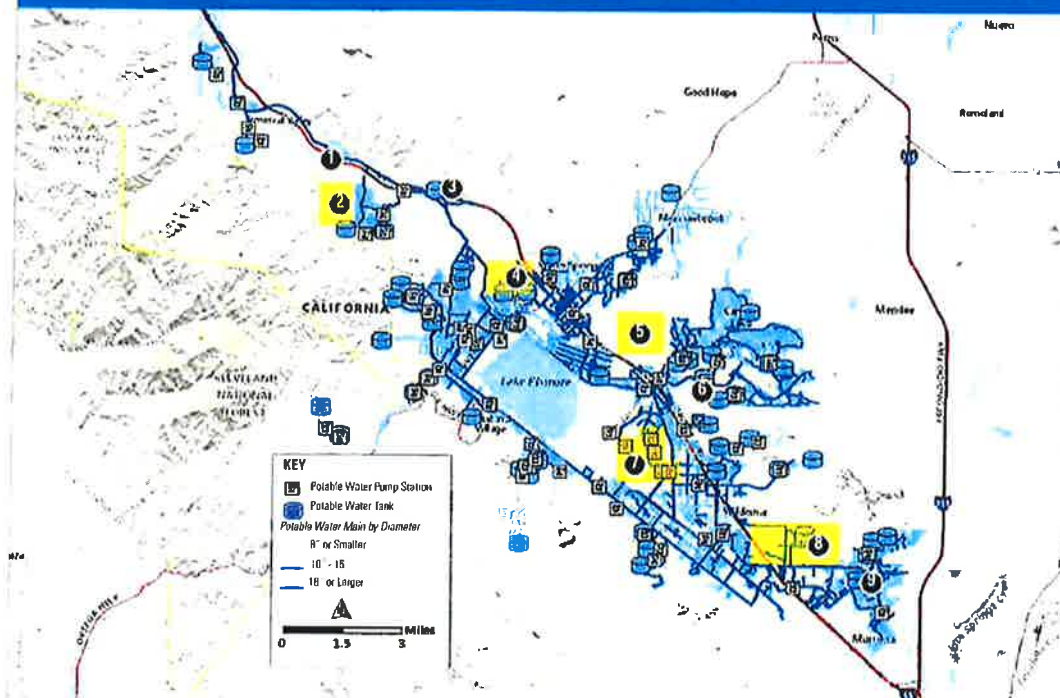
Condition assessment and replacement program planning addresses aging infrastructure.

While the RFP mentions establishment of a budget for a pipeline replacement program, Carollo recommends a full system condition assessment including site visits to facilities and review of leak records. The District has pipelines as much as 90 years old in your system; it is vital for the District to begin planning now for pipeline and facility replacement. Having sufficient funds in your budget is vital for replacing aging infrastructure, but developing asset management procedures and facility prioritization is important to know where and when to make the right investments.

Carollo's hydraulic modeling approach will deliver solutions for your water distribution system challenges.

Key Hydraulic Water System Challenges

- ① Temescal Valley Pipeline underized and cannot handle increases in imported water from Mills WTP (new pump station proposed)
- ② Increases in Canyon Lake WTP will not be sufficient to avoid future transmission
- ③④⑤⑦ Large amounts of growth will lead to new pipelines, pump stations, and reservoirs
- ④ Back Basin groundwater wells will be limited to Summer use in dry years
- ③ Lake Street pipeline will not be sufficient to convey increased flows from Mills WTP without causing Lake Street Reservoir to always be completely full when TMP PS built, parallel pipeline will be needed due to growth
- ⑤ Antelope Valley Reservoir is always full when Antelope Valley PS running due to head losses in transmission pipelines to Bryant Reservoir





Sewer Master Plan Approach

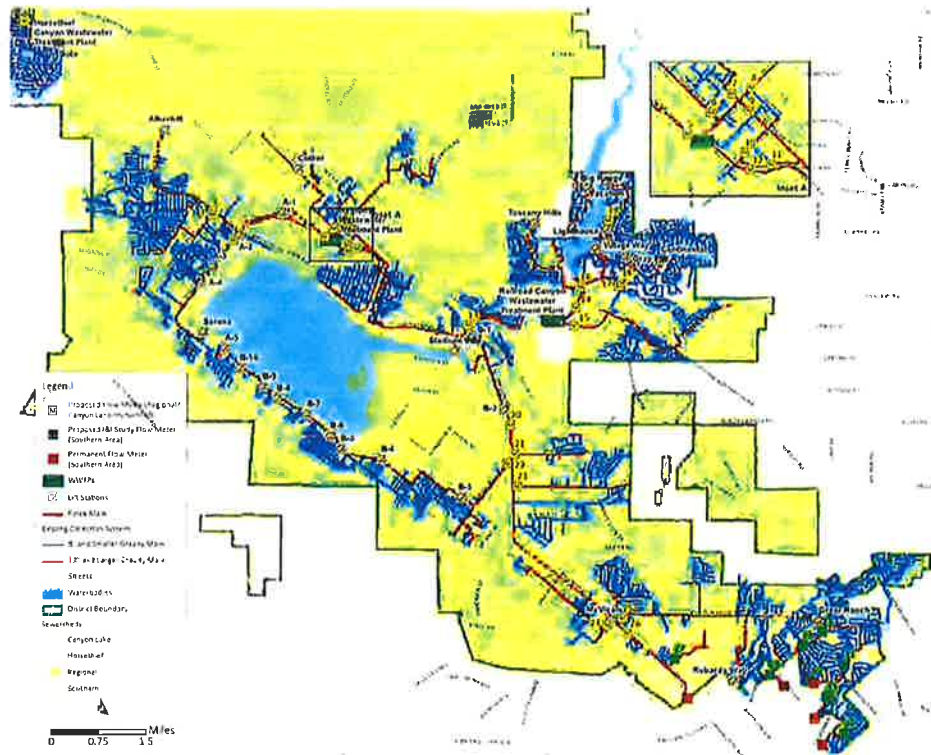
Modern approaches to your modeling program provide a defensible capital program. Technology has allowed sewer system modeling to advance to the point where realistic, accurate simulations of existing wastewater flows are a part of every comprehensive project. Carollo's approach uses the power of data to build robust modeling tools that help to "right size" your system improvements and provide a clearer picture of system flows without multiple assumptions. It all starts with flow monitoring data.

PROPOSED ADVANCEMENTS TO SEWER MODELING APPROACH

PROPOSED APPROACH	EVMWD BENEFIT
Allocate flows using your AMI water meter billing data.	Accurate spatial distribution of base flows and time savings during model calibration.
Custom diurnal curves from flow monitoring data.	Measured peak flows specific to location.
Wet weather flow parameters based on I/I flow data.	Spatially accurate representation of I/I distribution and impacts.
Dry and wet weather flow calibration.	Spatially accurate peak flows.
Flow, velocity, and level calibration.	Accurate determination and sizing of pipeline improvements.
Peak dry and peak wet scenario analysis.	Multiple layers of risk analysis.

Carollo's proposed 2022 flow monitoring program is targeted to achieve multiple objectives.

The data collected during the flow monitoring program forms the foundation for multiple elements of model development. Flow data defines system flow characteristics for the development of diurnal patterns and establishes the targets for model calibration for both dry and wet weather scenarios. It will also define the wet weather parameters for the establishment of I/I rates within each basin.



Carollo's proposed 2022 flow monitoring plan achieves multiple benefits. Capturing total system flows, isolation of areas of the system with capacity constraints and identification of areas in the southern system with the highest rates of I/I. We already identified initial flow monitoring locations to achieve these three goals to hit the ground running on this critical path item.

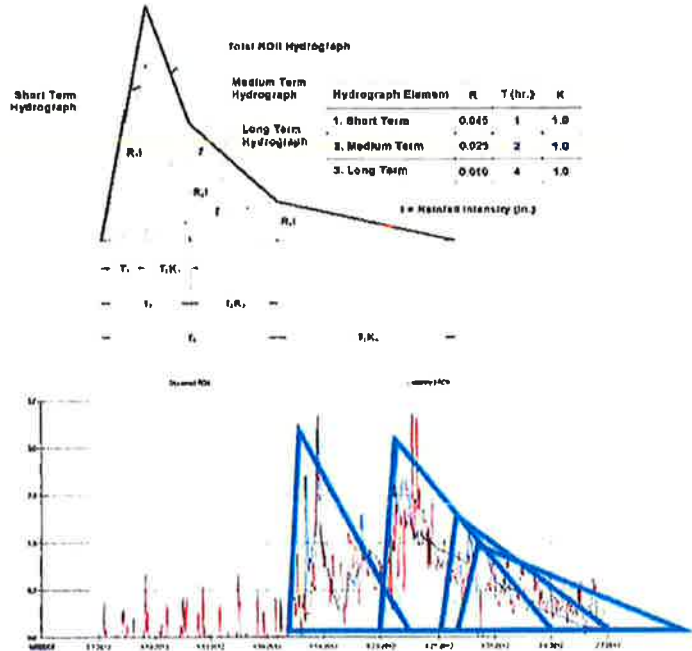
ESTIMOTE VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER, SEWER, AND RECYCLED WATER SYSTEM FACILITIES



Simulation of I/I based on monitoring data provides calibrated peak flows and avoids overly conservative assumptions.

Your previous master plan took the peak dry weather flow and applied a peaking factor of three to simulate peak wet weather flows. While this method is consistent across the whole system, it essentially turns a blind eye to measured wet weather flows and can result in an overly conservative or under represented key parameter used to evaluate the system and size improvements.

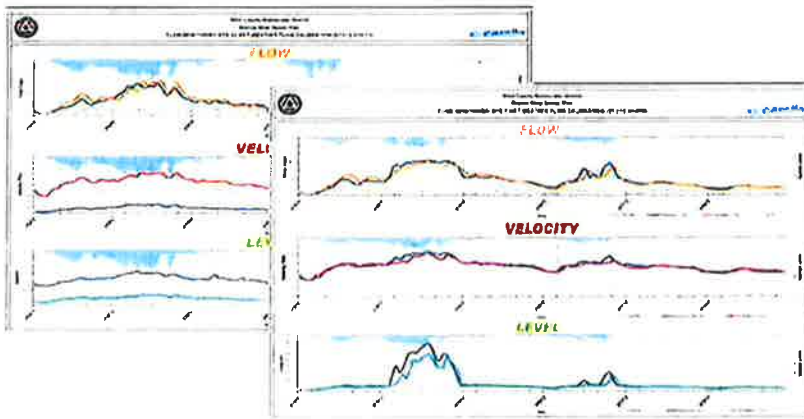
Carollo will develop wet weather flow parameters from flow monitoring data using the real-time kinematic method is an industry standard process that captures and simulates short and long-term I/I response. This method out performs the overly conservative peaking factor methods used in EVMWD's last sewer master plan.



Carollo's flow, velocity, and level calibration go beyond industry standards to provide an accurate assessment of system performance.

Typical collection system model calibration only looks at flows within the collection system. Carollo's approach is to look not only at flow but at velocity and levels. Collection system pipelines are evaluated and sized based on flow level (or hydraulic grade). By limiting calibration to flows, model developers are ignoring the single parameter that is used to evaluate and size collection system improvements.

Carollo is one of the only consultants in the U.S. that focuses model calibration on all three flow components (flow, velocity, and level) to provide an accurate assessment of deficiencies and pipeline improvement sizing.



Carollo's model calibration approach is unique in that we calibrate to flow, velocity, and level at each metering site. This approach allows us to build confidence in recommendations because we have calibrated to the single parameter (level) used to size collection system improvements.

ESIMERE VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER SEWER AND RECYCLED WATER SYSTEM FACILITIES



I/I mitigation requires source identification and tailored repair method recommendations.

The District has identified peak flows in the Southern System significantly increase after rain fall events. The Southern Section flows to the Rancho Water District system. Identification and mitigation of infiltration and inflow provides benefit by increasing capacity, and lowering measured flows to Rancho.

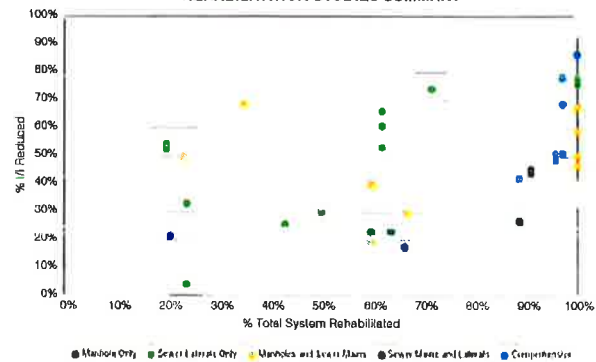
I/I mitigation can be a complex puzzle that requires patience, diligence, and the ability to be flexible in approach. Sewer pipe lining is one mitigation approach, but much of the I/I could be coming in from the laterals. The preferred approach to mitigation may be a combination of pipeline rehabilitation and lateral inspection and replacement. Lateral replacement is complex because it is not strictly an agency endeavor.

Several I/I reduction studies have been completed in the U.S. Carollo has developed a database of I/I reduction information from published studies and articles, professional contacts in the industry including a study database provided by ADS Environmental Services, and Water Environment Federation (WEF) sources, most of them from 2003 to 2019. Sources included are WEF papers (via document server, Ingentaconnect.com); No Dig, Lateral Rehab Web Tool; and the WEF Private Property Virtual Library (www.wef.org/privateproperty). The available data and articles include approximately 270 individual I/I reduction studies, dating as far back as 1980, across North America.

This data was evaluated based on three criteria:

- ▶ **Criterion 1:** Pre- and post-construction flow monitoring.
- ▶ **Criterion 2:** Detailed documentation of sewer components included in improvement work.
- ▶ **Criterion 3:** Acceptable I/I reduction assessment method.

I/I MITIGATION CASE STUDIES AND MITIGATION SUCCESS REHABILITATION STUDIES SUMMARY



Our nation-wide database of I/I rehabilitation studies provides our team a proven background on I/I reduction feasibility based on percent of the basis rehabilitated and the technique or combination of techniques implemented.

Our team will apply our national knowledge and access to national studies and lessons learned to your master plans to ensure recommendations are in accordance with industry standards.

Carollo has worked with multiple agencies to identify I/I source mitigation recommendations and has worked with agencies on determining if a private lateral inspection program is necessary to make a significant dent in I/I flows.



Year-round users of recycled water are ideal.

Development of a groundwater augmentation project is vital for the District's water supply growth. We know that irrigation customers typically use much higher amounts of recycled water in the summer compared to winter, but the District needs to find ways to use recycled water year-round. Carollo will help the District identify the best value of the recycled water, to minimize cost, while maximizing the use of recycled water.

Some kind of potable reuse project is most likely the best value of recycled water, such as an groundwater augmentation project (IPR) in the Back Basin or the possibility of treated water augmentation (DPR).

Existing Regional WRF flows are committed, but future flows can be dedicated to groundwater augmentation.

From the Regional WRF, 0.5 mgd must be released to Temescal Wash for environmental purposes, and the District has committed to maintain a water elevation of 1,240 feet in Lake Elsinore for recreational purposes, requiring substantial amounts of recycled water, specifically in dry years. Based on best estimations, however, effluent flows above 8 mgd can be used for other beneficial reuse. As the Regional WRF will be expanded to 12 mgd in the next three years, the expected growth in the District's service area will soon make water available for an IPR project. Refining the timing (with the EDU planning tool) for this IPR project will be a key component as part of this master plan, along with projecting future excess recycled water that can be used for NPR demands during high demand periods.

Cost effective solutions include regional partners.

Carollo will develop life cycle cost analysis and conduct comprehensive cost-benefit analysis to right size solutions for the various portion of the District. Different solutions like NPR and IPR, may be the best use of this precious and limited resource throughout the District's service area. In addition, we will reach out to neighboring agencies like EMWD and WMWD to explore regional partnerships. Our Principal-in-Charge, Eric Mills, brings excellent working relationships with these agencies from the past decades. He will work with the District to setup and facilitate discussions for (long-term) regional solutions to be considered in your 2022 RWMP Update.

Due to the large size of the District, getting the recycled water to the right place is a significant cost consideration. The construction of the Wildomar recycled water system was expensive and produced only a minimal amount of recycled water, but it was made possible only by the use of Eastern's Temecula Valley WRF Effluent Pipeline. Recent negotiations to trade flows with Eastern from Santa Rosa WRF for water to irrigate Canyon Lake Golf Course means that infrastructure did not need to be constructed to deliver water from where it was generated to where it is needed. Therefore, to maximize use of recycled water, Carollo understands that working with regional partners, as well as the ability to move water between reclamation facilities, means that all wastewater effluent can more easily be reused.



With the expansion of the Regional WRF in the next three years, expected population growth may soon make water available for your IPR project.

ELSINORE VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER, SEWER, AND RECYCLED WATER SYSTEM FACILITIES



EDU Tool and Electronic Deliverable

Taking a fresh look at the District's CIP and the use of innovative tools will put staff back in the driver's seat. Our team understands the need to track individual developments to allow easy and frequent updates to adjust timing of projects in the water, wastewater, and recycled water master plan CIPs. We have developed very similar tools that assist with evaluating project priorities based on multiple engineering, financial and environmental impacts allowing users to actively update CIP program working within available annual budgets.

What does the District get from an electronic CIP?

Carollo's digital master planning toolkit puts your entire water, sewer and recycled water systems including pipes, pump stations and facilities—at your fingertips. All of the requisite information for project implementation—cost, project need/driver(s), project priority—is linked so that it can be easily accessed through a custom dashboard. But more importantly, input data, including cost, timing/phasing, and priority for implementation, can be easily adjusted such that the entire CIP is automatically reset. This provides significant utility as a planning and financial tool, particularly over the course of a long CIP time horizon, during which any number of variables can change, resulting in a need to update project implementation schedules and cash flow projections.

Our electronic master plans include a GIS interface for displaying CIP projects, associated pipe capacities, hydraulic bottlenecks, predicted surcharging and overflows, and links to CIP project data including summary sheets, project costs, status and schedule.



Updating the EDU tool will allow our team to share information and data during the course of the master plan updates to promote collaboration across all groups and teams, and deploy streamlined tools for District staff to track and update the master plan. This will effectively keep the master plan 'alive'.



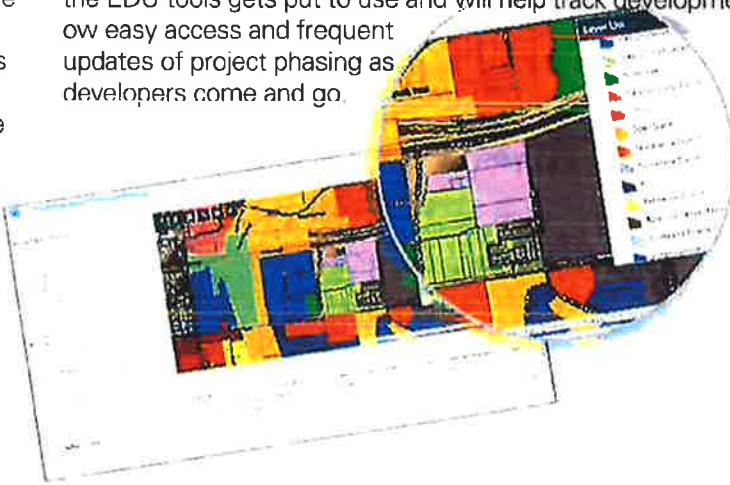
Example fact sheet for the City of Riverside Integrated Master Plan for the Wastewater Collection System and Treatment Facilities Update.

ESIMORE VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER, SEWER, AND RECYCLED WATER SYSTEM FACILITIES

EDU Demand/Flow Tracking Tool

Recent economical, environmental and pandemic-related events are making it harder to rely on future flow projections. By tracking developments, demands and flow changes, District staff will have the ability to tailor their master plan and 'trigger' resulting CIP projects when needed. Our team will update the existing EDU software code by integrating it with the District's GIS platform, enhancing the user interface by adding new functions to track developments and CIP projects, and provide data management tools, such as demand/flow tracking, enabling the user to export data, generate reports and integrate data with other applications.

Carollo understand that the District has an existing EDU tool that has not been utilized to it's fullest potential. We will develop an easy to use EDU tool which will provide an open database with access to raw data such that it will not function as a "black box" like the existing tool. We will also provide training and a user manual so that our version of the EDU tools gets put to use and will help track development to allow easy access and frequent updates of project phasing as developers come and go.

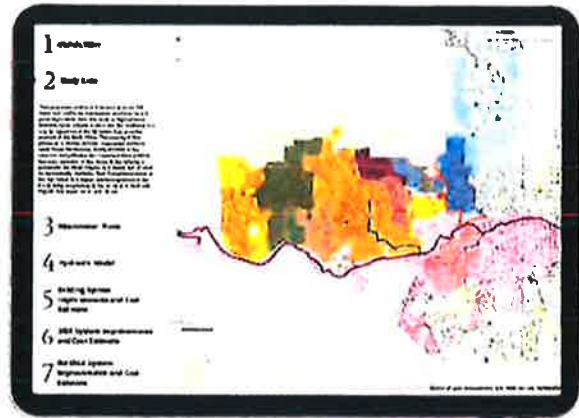


Three master plans up-to-date between the 2022 and 2027 cycle.

Three master plan deliverables provide an interactive view of recommendations in an easy to share tool for stakeholder communication.

Every project effort is formulated to provide the recommendations and findings in a format that fits with the specific communication needs of staff, as well as internal and external stakeholders. Carollo can develop interactive deliverables in multiple formats, from ESRI Story Maps (City of Reno example on the right) to dashboard based CIP analysis tools (City of Greeley example on the following page). Carollo will work directly with EVMWD staff to integrate these platforms and tools into the Districts existing systems, such as the current GIS based mapping systems on EVMWD's website.

Our team is currently implementing an EDU flow tracking tool for the City of Avondale, just like the tool you are looking for. This tool captures and tracks land-use changes and developments, and automatically updates the City's current and future demand projections based on these changes.



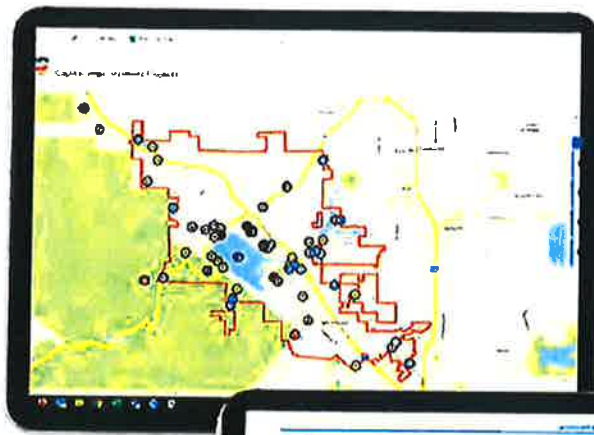
Carollo used the ESRI Story Map format to develop an interactive tool to share project elements, as well as findings and recommendations. Use this link to access the format and see for yourself. [Northwest Reno Sanitary Sewer Capacity Analysis and Master Plan \(arcgis.com\)](https://www.arcgis.com)

ESMOR VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER, SEWER, AND RECYCLED WATER SYSTEM FACILITIES

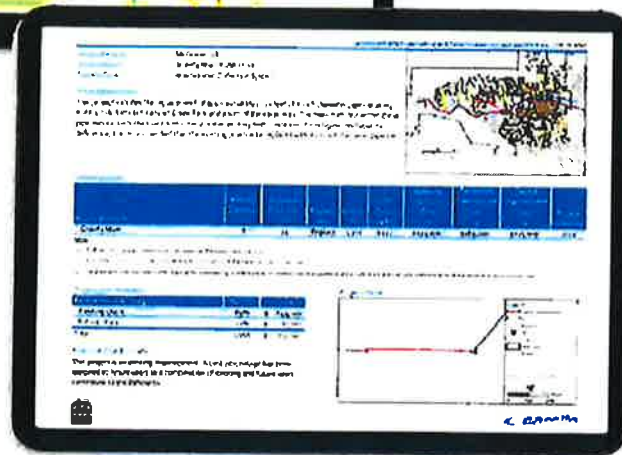


CIP Dashboards provide an interactive tool for review and adjustments to capital project phasing.

PowerBI CIP Dashboards provide an interactive means to access and revise CIP cost information. This example, created for the City of Greeley, allows staff to make revisions to project phasing and see how annual expenditures change over time.



Carollo first developed the detailed project summary sheets for EVMWD's 2008 Sewer Master Plan. We will use our enhanced version linked to the ESRI Story Map version for the 2021 Master Plan for Water, Sewer, and Recycled Water systems.



EVMWD already uses ESRI ArcGIS Online to provide visual interactive tools for the District. Carollo's Story Map format will merge seamlessly with the District's current formats.

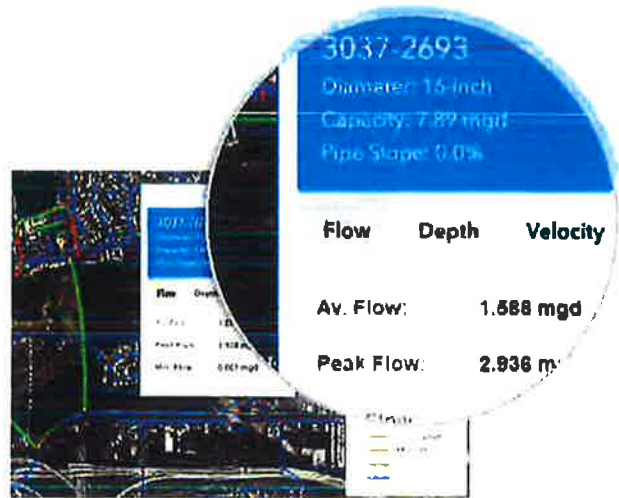
Optional Tasks

Below are a couple examples of the optional tasks we suggest the District consider. Other proposed optional tasks are discussed in Task 14 of the Scope of Services starting on page 21.

Model Viewing Tool

Our team provides simple-to-use tools to display model results. Hydraulic modeling for both water and sewer systems is essential for analyzing and identifying hydraulic deficiencies, allowing engineers to devise suitable improvement projects. Our Model Results Viewer tool is a web-based tool designed to display hydraulic results for both water and sewer model scenarios aligned with the hydraulic analysis conducted for the master planning study. The viewer is accessed via a standard web browser and uses the ESRI ArcGIS Online/Enterprise Portal platform to store and host the model results.

For many master planning projects, we host this tool (via our own ArcGIS Online account) to enable agency staff to examine hydraulic findings during the study promoting collaboration and engagement. This activity enables District staff to learn and adopt the tool prior to deployment to their preferred cloud or on-premise GIS platform.



Our team is deploying a model viewing toolkit for Padre Dam Municipal Water District enabling their staff to identify hydraulic deficiencies for current and future flow scenarios.



CarolloAM, Carollo's web-based condition assessment tool assists with prioritization of facility assets.

Field-Based Condition Assessments

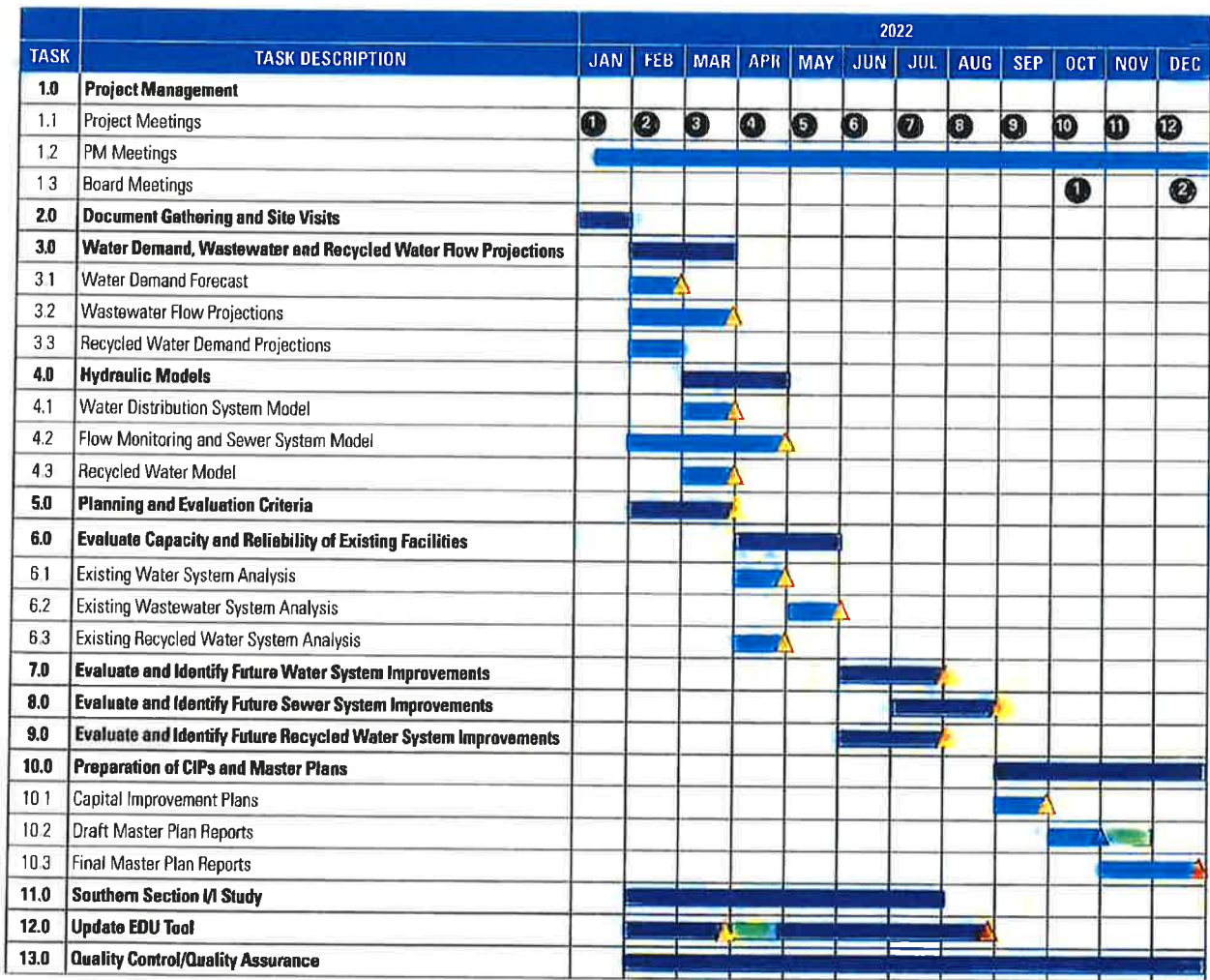
The RFP calls for developing facility replacement programs for the water and wastewater systems so that budgets can be made for aging and poor condition infrastructure. The portions included in the base scope are desktop assessments developed so that budgetary allowances can be made in the CIP to address infrastructure that is aging. However, to properly develop replacement recommendations, a more thorough evaluation is recommended, including field inspections of tanks and pump stations in the water system and lift stations in the sewer system. We have included this as an optional task because we believe in the value these condition assessments offer so that the District can properly budget, plan for, and prioritize facility replacements.

Additionally, we suggest review and inclusion of CCTV data for the sewer system to help on pipe rankings; with this information, you know which pipes will need to be replaced, not just a desktop analysis.

Project Schedule and Project Management Delivery

We understand that, at minimum, the District needs to have the final CIPs completed before the end of December 2022 to start the budgeting process and planning project implementation for 2023 and beyond. This means that a lot of work needs to be done in limited time. However, **with our in-depth institutional knowledge and deep bench of master planning experts we can exceed that expectation** by working in parallel, yet closely coordinated, on the three master plans and I/I study. Our team is committed to complete the entire set of master plan updates by the end of next year (2022), as shown on the schedule summary graphic below and evidenced with our detailed schedule shown on the next page. Based on our experience with similar projects and the availability of our team members, we believe that this schedule is realistic and achievable.

One key critical path item is the sewer flow monitoring that needs to be completed no later than the end of March 2022. With the short rainy season in Southern California but the wettest months in February and March, this can be achieved leveraging V&A's quick mobilization commitment and Carollo's accelerated development of the flow monitoring program. If selected for this project, we propose to include the completion of the flow monitoring program as an optional task in the main scope of services and process a separate authorization for this subtask (<\$25k) that would not be subject to any potential contracting delays. This way, our team can start work on this critical path task right away and get V&A ready to go as soon as the full master planning contract is finalized. With this approach, our team can capture the rain without additional cost to the District.



ESMORE VALLEY MUNICIPAL WATER DISTRICT // UPDATE THE MASTER PLANS FOR WATER SEWER AND RECYCLED WATER SYSTEM FACILITIES

■ EVMWD Review
 ▲ Draft Chapter
 ▲ Draft Master Plan
 ▲ Final Master Plan

Cost Proposal



STUDY SESSION
DISCUSSION OUTLINE

Date: December 8, 2021

Originator: Parag Kalaria- Water Resources

Subject: PUBLIC WORKS CONTRACT WITH TRINITY
CONSTRUCTION FOR THE PALOMAR WELL NO. 2 WATER
IMPROVEMENT PLANS PROJECT

BACKGROUND AND RECOMMENDATION

The Palomar Well was originally constructed in 1967 for a private owner and acquired by EVMWD in 1993. EVMWD utilized the well for potable water production until February 2006 when the well collapsed and was no longer operational. In July 2006, the well was filled and abandoned per State requirements.

In 2007, a hydrogeologic assessment was prepared by Mark Roberts, a professional hydrogeologist, who found that the water quality was good and a new well could be constructed on the existing site.

This well is part of the near term water supply projects recommended for implementation in the 2017 Integrated Resources Plan. The implementation of these local water supply projects will help EVMWD develop a more reliable long term water supply portfolio and will further expand our ability to become less dependent on imported water supply.

This phase of the Palomar Well Project is the third and final phase. The project includes a pipeline (phase 1), well drilling and development (phase 2), and the wellhead facilities and equipment (phase 3). The overall budget for all three phases exceeded \$6.6 million.

On July 23, 2015, the Board approved a Professional Services Agreement for hydrogeologic and inspection services with Richard Slade & Associates, LLC. The Consultant prepared the plans and specifications for the new well development and determined that the well would require flushing lines not only for the well development work but also for normal operation of the well.

On August 25, 2016, the Board approved a Professional Services Agreement for the engineering and design services with Kennedy Jenks Consultants. The design was completed shortly thereafter and a Public Works Contract was awarded to Borden

Excavating, Inc. and the construction of the flushing pipelines was completed on June 11, 2018.

In September, 2018, the Board approved a Public Works Contract with Zim Industries, Inc. for the Palomar Well No. 2 Drilling. The drilling and casing installation of the well was completed on June 28, 2019.

On September 23, 2021, the Board approved a Professional Services Agreement with Valley Construction Management for Construction Management & Inspection Services, which consists of providing oversight and inspection of the installation of the well head facilities and equipment.

On September 17, 2021, the project was advertised to request bid proposals for phase 3, which includes construction of well head facilities and equipment. The following bids were received by the deadline on November 2, 2021:

Trinity Construction	\$3,305,286.80
SCW Contracting, Inc.	\$3,611,500.00

Staff performed a detailed review of the bid documents and checked references. Based on staff's analysis, Trinity Construction, Inc. is determined to be the lowest, responsive, and responsible bidder.

Staff plans to present this item at the December 16, 2021 Board of Directors Meeting to recommend award of a Public Works Contract with Trinity Construction in the amount of \$3,305,286.80. This item, including overhead of \$16,526.00, as well as staff time (500 hours) & fringe benefits of \$81,005.00, totals \$3,402,817.80.

ENVIRONMENTAL WORK STATUS

This item does not constitute a project under CEQA.

FISCAL IMPACT

The total approved funding for this project is \$5,650,741 which includes \$294,271.34 of grant funding from the US Bureau of Reclamation and District funding of \$5,356,470.00.

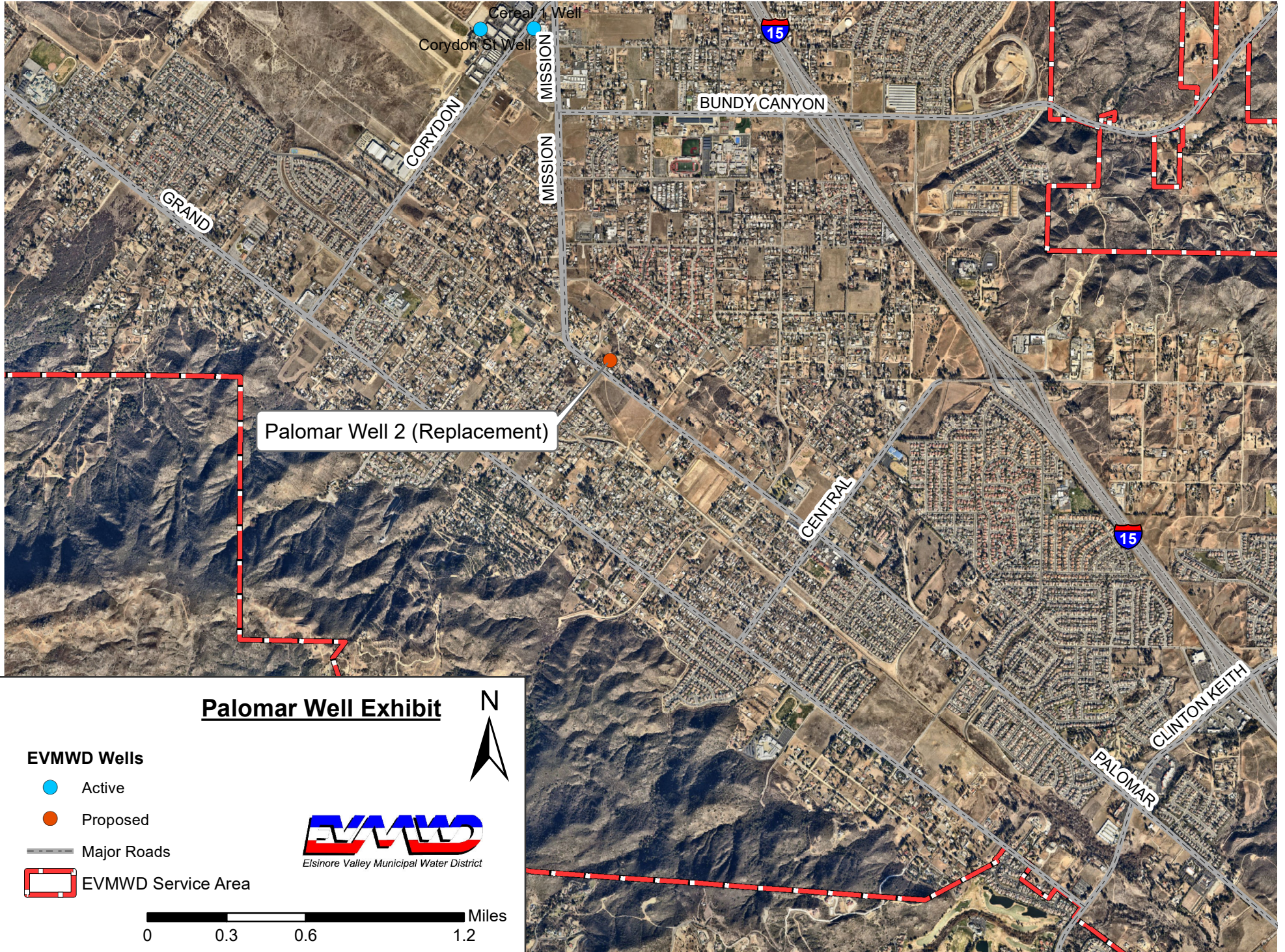
A supplemental appropriation of funds is being requested in the amount of \$923,524 with funding provided by the Redevelopment Program of \$461,762 and the Elsinore Water Replacement Program of \$461,762.

The project cost has increased due to unanticipated nitrate blending requirements which were incorporated based on the water quality testing results at the end of completion of drilling. Also, current market conditions have increased the cost of materials and labor for

the installation of the well head facilities. The expected unit cost of producing water from the well will be \$1,088/AF, lower than the cost of imported water currently at \$1104/AF. This local groundwater will be more reliable specifically during drought conditions. Also, it is expected that the cost of the local groundwater will remain consistent while imported water is forecasted to have significant cost increases over the long term.

Attachments:

Location Map





STUDY SESSION
DISCUSSION OUTLINE

Date: December 8, 2021

Originator: Darryn Flexman- IT

Subject: MASTER SERVICES AGREEMENT WITH SYSTEMS INTEGRATED

BACKGROUND AND RECOMMENDATION

In 2004, Elsinore Valley Municipal Water District (District) selected Systems Integrated (SI) to design and build a Supervisory Control and Data Acquisition (SCADA) System replacement to monitor and control the pumping stations, booster stations, and water tanks associated with water production and distribution at 120 sites in total. Since the original installation in 2004, the SCADA system has expanded to 169 sites including wastewater lift stations, with 229 radios in operation at these sites. SI designed a network-based SCADA system from the control room at the office to the programmable logic controller (PLC) in the field which allows the system to be operated remotely and efficiently by water production staff. The SCADA System is based on System Integrated's ONSITE SCADA software suite. All standard functions including data visualization through process graphics, visual, audible, email, text-based alarming, historical data storage, trending, event detection and many other features are included in the software suite.

The SCADA network is designed to meet current cyber security standards. SI manufactures their own Telemetry Control Panels and along with input from District staff, have fine-tuned their hardware and software to meet the needs of the District over the last few years.

The proposed maintenance agreement renewal is for the support and maintenance of the District's ONSITE SCADA System, which currently covers 169 District sites and 229 radios. If additional equipment is added to the system, it will also be covered under this agreement at no additional cost, up to 200 sites and 250 radios. In addition to providing support services for the system, the agreement includes a set rate structure to support supplemental engineering, training, and configuration services that are outside the scope of technical support. The SCADA System is dynamic in nature and requires continuous evaluation of what elements of the system require modifications or changes to minimize the overall cost to the District. The District's standard Professional Services Agreement

is included with the contract; with approval, staff can issue task orders and tie them back to the Master Agreement.

Staff plans to bring this item to the December 16, 2021 Board Meeting to recommend approval of a Master Services Agreement with Systems Integrated for a five-year term for a total amount of \$862,800.

ENVIRONMENTAL WORK STATUS

Not applicable.

FISCAL IMPACT

Within budget – Yes. This request will be incorporated into future budgets.

Attachments:

Systems Integrated Contract with Task Order Proposal



**Elsinore Valley Municipal Water District
SCADA Systems Integrated**

Maintenance Contract with Task Order

Renewal Proposal

July 2021

Revision 6



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1. OVERVIEW - SCADA SYSTEM SUPPORT

Elsinore Valley Municipal Water District

Supervisory Control and Data Acquisition System Support Agreement

EVMWD, a public non-profit agency, was created on December 23, 1950 under the Municipal Water District Act of 1911. As a special district, EVMWD's powers include provision of public water service, water supply development and planning, wastewater treatment and disposal, and recycling. Currently, the District has over 133,000 water, wastewater and agricultural service connections.

In 2004, EVMWD selected Systems Integrated (SI) to design & build a SCADA system replacement to monitor and control the pumping stations, booster stations, and water tanks associated with water production and distribution, 120 sites in total. Working with EVMWD, SI designed a network based SCADA system from control room to PLC. Enabling Ethernet to every device in the system provided a fully peer-to-peer design where PLCs and RTUs could be programmed to share data asynchronously and without the need for a central server as was the traditional architecture.

EVMWD's wireless communications infrastructure system was originally designed to allow for expansion over time with the ability to provide high reliability to critical sites. While this feature has currently only been deployed using manual re-routing, it has the ability to be expanded to create multiple redundant rings to ensure that critical communications links are supported via an automatic rerouting functionality. Visibility and management of the radio network was augmented with network monitoring built into the SCADA software application.

The original system consisted of Systems Integrated's Telemetry Control Panels (TCP) located at each of EVMWD's sites incorporated with a Programmable Automation Controller (PAC) (SI # L35E-1073) with Ethernet connectivity. SI's control software engineers chose to utilize the SI RTU application framework software for creating a single common program for downloading to each PAC independent of the site type. The application framework provides a flexible, object-oriented methodology to create, debug and test control strategies running inside of programmable automation controllers. The PAC software was developed using structured text. The PACs function to provide pump station control (up to 6 pumps) with lead, lag, pump rotation, and are controlled by reservoir level set points. The network is designed to meet current cyber security standards.

To complement a highly distributed network backbone, the new SCADA system software was based on Systems Integrated's *ONSITE* SCADA software suite. *ONSITE* is provided as a server appliance running on VMware. This HMI manages all elements of the SCADA system including the automatic downloading of PAC configuration software to application framework enabled PACs located in the field. All standard SCADA applications are bundled with *ONSITE* including data visualization through process graphics, visual/audible/email/text-based alarming, historical data storage, trending, event detection and many other features.

2. SCOPE OF SERVICES

Currently the District has 169 sites that have product provided by Systems Integrated (SI) that will be covered under this Agreement as of the date of execution. As additional equipment is added to the system by Systems Integrated, during the contract period, it will be included with this maintenance agreement at no additional cost, up to 200 sites and 250 radios.

Systems Integrated will provide the following baseline support services as defined in sections 2.1 to 2.4, and 3.1 of this Scope of Services:

1. Telephone support within 2 hours after receiving support request (M-F 8am to 5pm). Systems Integrated's support number is **800-738-0906**.
2. On-site support within 4 hours after determining telephone support will not resolve problem. (Note: On-site support is subject to pricing in section 3.1).
3. Hardware replacement for all Elsinore's SI manufactured interface boards.
4. Hardware replacement for all radios which are currently in production. In the event that the equipment is obsolete or no longer available, SI will advise EVMWD of alternate equipment for replacement and the associated cost.
5. On-site support to provide EVMWD second level of emergency support to augment EVMWD call out personnel (subject to section 3.1).
6. Support services for all server locations as well as field locations (field locations are defined as all locations where SI has provided the hardware either directly to EVMWD or through subcontracts to various developers / contractors). New sites commissioned during the term of this contract are covered at no additional cost up to the quantities defined earlier in this section.
7. As part of the task order process, SI will provide support to EVMWD in the areas of radio communications, specification review, network upgrades, TCP upgrades, startup support, integration and implementation support and evaluation of system changes which may impact the operation of the system (e.g., removal of water tanks, etc. new radios).

2.1 SCADA TECHNICAL SUPPORT

- Perform Preventive Maintenance: Semi-annual computer hardware / software maintenance providing dynamic tune-ups to include cleaning, system diagnostics, file maintenance, and fixed disk de-fragmentation (which will be done remotely).
- Perform hardware repairs for other equipment (material to be provided by EVMWD out of its spare parts inventory). Trouble shooting and installation (if requested by EVMWD) will be performed by SI via task orders.

2.2 SCADA TELEPHONIC TECHNICAL SUPPORT

- SCADA application software telephonic/dial-up support.
- Database software support.
- Programming software support
- Communications server and field systems support
- Operating system software support

2.3 RTU / PLC & RADIO MAINTENANCE AND SUPPORT

Hardware Repairs:

Second level trouble shooting provided by SI.

- For SI manufactured interface equipment & radio equipment, SI will provide or use EVMWD's spares inventory then replenish them.
- For all other material, SI will use EVMWD's spares or will provide and bill EVMWD for material used.

2.4 VFD/RVSS/MOTOR CONTROL MANAGEMENT

- Hardware repairs (material provided by EVMWD out of spare parts inventory). Second level trouble shooting by SI.

2.5 PROFESSIONAL SERVICES (Task Orders)

In addition to providing support services for the SCADA system, SI has provided a rate structure to support supplemental engineering, training and configuration services. Task Order work is subject section 3.5.1 of the Master Services Agreement. The SCADA system is dynamic in nature and requires continuous evaluation of what elements of the system require modifications or changes in order to minimize the overall cost to the District. As part of this maintenance support contract SI can provide (see rate sheet) the following services:

- SCADA system engineering including:
 - Operations cost reduction (pump time optimization)
 - Communications system redundancy/support
 - Camera/video surveillance transport support
 - Application programming
 - Database
 - Networking
 - Screen Development
- SCADA Training
 - PLC design/programming (refresher courses)
 - Radio communications/programming

Professional Services Rate Sheet
2021

Description	Hourly Rate	Overtime***	Weekends & Holidays***
Principle Engineer*	\$ 250.00	312.50	390.63
Project Engineer*	\$ 175.00	218.75	273.44
Electrical Engineer*	\$ 185.00	231.25	289.06
Mechanical Engineer*	\$ 185.00	231.25	289.06
Communication Engineer*	\$ 195.00	243.75	304.69
Sr. Software Engineer*	\$ 240.00	300.00	375.00
Software Engineer*	\$ 175.00	218.75	273.44
Application Engineer*	\$ 150.00	210.00	270.00
CAD Operator*	\$ 100.00	N/A	N/A
Shop Technician*	\$ 85.00	N/A	N/A
Electrician**	\$ 150.00	210.00	270.00
Apprentice**	93.00	138.00	183.00

*Note: For work that is performed on a time and material rate, the Professional Services Rates will be annually increased by 3% or increased based upon the current Consumer Price Index for All Urban Consumers (CPI-U) for Riverside, CA, whichever is higher.

**Note: The prevailing wage (PW) rates for this contract shall be based upon the CA DIR determinations established at the bid date (meaning determination Riverside 2021-1). CA DIR Determination Riverside 2021-1 for SI's applicable craft classification includes pre-determined increases to occur on specific dates (copy attached): SI will advise our adjusted PW rates when the pre-determined rates are effective. Also attached are the Apprentice PW rates that correspond to Determination Riverside 2021-1.

Prevailing wages will apply to work performed on-site that is determined to be subject to prevailing wage regulations by Systems Integrated. Prevailing wage work requires that Systems Integrated use apprentices.

***Note: These rates are only applicable when engineers are performing work on site during hours outside of SI's normal business hours.

SI Support Team for EVMWD:

Larry Pomatto

Janice Ruszczyk

James Pham

Tom Waldowski

Walter Morris

Dave De Leeuw

3. PRICING

3.1 BUSINESS HOURS SUPPORT

Business hour support includes all repair cost for in production radio equipment, interface equipment, software support and on-site engineering support. Business hour support will be provided in accordance with the following conditions:

1. Monday through Friday (except holidays) 8:00AM to 5:00PM.
2. Telephone response time would be within 2 working hours.
3. Support services would be limited to telephone support only. Any on-site support would be at the hourly rate specified in the Professional Services Rate Sheet and would only be provided during normal work hours.

The cost for business hours support is as follows:

SUPPORT CONTRACT PERIOD			PER MONTH	ANNUAL
Year 1	7/1/2021	6/30/2022	\$ 14,380.00	\$ 172,560.00
Year 2	7/1/2022	6/30/2023	\$ 14,380.00	\$ 172,560.00
Year 3	7/1/2023	6/30/2024	\$ 14,380.00	\$ 172,560.00
Year 4	7/1/2024	6/30/2025	\$ 14,380.00	\$ 172,560.00
Year 5	7/1/2025	6/30/2026	\$ 14,380.00	\$ 172,560.00

TASK ORDER FORM

Elsinore Valley Municipal Water District Fixed Price Task Order Form		
Task No.:	Date Requested:	Order/Contract/P.O.:
Requested by:		Authorized by:
Task Description:		
Work Requested:		
Deliverables:		
Estimated Costs:		
Labor:		
Materials:		
ODC:		
Subtotal:		
Taxes:		

4. CA Prevailing Wage Rates

The CA DIR Determination Riverside 2021-1 is the basis for the Prevailing Wages (PW) used with this contract (copy attached).

Systems Integrated's craft is Electrician and classification is Inside Wireman, Technician which has ** meaning pre-determined increases on specific dates (copy attached).

Systems Integrated is required to use apprentices for PW work. Apprentices are paid based upon the apprentice rates associated with Determination Riverside 2021-1 (copy attached).

CA DIR Prevailing Wage Determination

Riverside 2021-1

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1 FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

LOCALITY: RIVERSIDE COUNTY

DETERMINATION: RIV-2021-1

CRAFT	CLASSIFICATION	CRAFT FOOTNOTE	ISSUE DATE	EXPIRATION DATE	BASIC HOURLY RATE	BASIC HOURLY RATE FOOTNOTE	HEALTH AND WELFARE	HEALTH AND WELFARE FOOTNOTE	PENSION	PENSION FOOTNOTE	VACATION HOLIDAY	VACATION/HOLIDAY FOOTNOTE	TRAINING	TRAINING FOOTNOTE	OTHER PAYMENTS	OTHER PAYMENTS FOOTNOTE	HOURS	HOURS FOOTNOTE	STRAIGHT-TIME TOTAL HOURLY RATE	DAILY OVERTIME HOURLY RATE	DAILY OVERTIME HOURLY RATE FOOTNOTE	SATURDAY OVERTIME HOURLY RATE	SATURDAY OVERTIME HOURLY RATE FOOTNOTE	SUNDAY AND HOLIDAY OVERTIME HOURLY RATE	SUNDAY AND HOLIDAY OVERTIME HOURLY RATE FOOTNOTE	HOLIDAY PROVISIONS	SCOPE OF WORK PROVISIONS	TRAVEL & SUBSISTENCE PROVISIONS
#BRICKLAYER, STONEMASON,	MARBLE MASON, CEMENT BLOCKLAYER, POINTER, CALKER, CLEANER		08/22/2020	04/30/2021	\$41.480	A	\$9.250		\$8.370		\$0.000		\$1.010	B	\$0.850		8.0	C	\$60.960	\$81.700	D	\$81.700	D	\$102.440		Holidays	Scope of Work	Travel & Subistence
#BRICKLAYER,	MASON FINISHER		08/22/2020	04/30/2021	\$29.070	A	\$9.250		\$9.210		\$0.000		\$0.890	B	\$0.450		8.0	C	\$48.870	\$63.400	D	\$63.400	D	\$77.940		Holidays	Scope of Work	Travel & Subistence
#BRICK TENDER		E	08/22/2020	06/30/2021	\$34.000		\$8.000		\$8.400		\$4.400	F	\$0.700		\$0.450		8.0	C	\$55.950	\$72.950		\$72.950		\$89.950		Holidays	Scope of Work	Travel & Subistence
#BRICK TENDER	FORKLIFT OPERATOR		08/22/2020	06/30/2021	\$34.450		\$8.000		\$8.400		\$4.400	E	\$0.700		\$0.450		8.0	C	\$56.400	\$73.630		\$73.630		\$90.850		Holidays	Scope of Work	Travel & Subistence
#CARPET, LINOLEUM,	RESILIENT TILE LAYER		02/22/2021	12/31/2021	\$38.750	G	\$5.630		\$5.550		\$2.220		\$0.630		\$0.280		8.0		\$53.060	\$72.440		\$72.440	H	\$91.810		Holidays	Scope of Work	Travel & Subistence
CARPET, LINOLEUM,	MATERIAL HANDLER	I	02/22/2021	12/31/2021	\$14.000	G	\$5.630		\$1.940		\$0.720		\$0.630		\$0.280		8.0		\$23.200	\$30.200		\$30.200	J	\$37.200		Holidays	Scope of Work	Travel & Subistence
#DRYWALL FINISHER			02/22/2021	09/30/2021	\$43.180	G	\$8.850		\$7.130		\$4.070		\$0.870		\$0.970		8.0		\$65.070	\$86.660		\$86.660	K	\$108.250		Holidays	Scope of Work	Travel & Subistence
#ELECTRICIAN,	SOUND INSTALLER		02/22/2021	12/26/2021	\$37.600		\$9.380		\$5.810	L	\$0.000		\$0.650		\$0.300	M	8.0		\$54.870	\$74.230	N	\$74.230	N	\$93.600		Holidays	Scope of Work	Travel & Subistence
#ELECTRICIAN,	INSIDE WIREMAN, TECHNICIAN		02/22/2021	12/26/2021	\$46.750	D	\$9.380		\$13.560	L	\$0.000		\$0.730		\$0.230	P	8.0		\$72.330	\$96.520	Q	\$96.520	Q	\$120.710		Holidays	Scope of Work	Travel & Subistence
#ELECTRICIAN,	CABLE SPLICER		02/22/2021	12/26/2021	\$49.090	D	\$9.380		\$13.560	L	\$0.000		\$0.730		\$0.250	P	8.0		\$74.760	\$100.170	Q	\$100.170	Q	\$125.580		Holidays	Scope of Work	Travel & Subistence
#FIELD SURVEYOR,	CHIEF OF PARTY (018.167-010)	R	02/22/2021	09/30/2021	\$53.560		\$11.850		\$12.150		\$4.770	F	\$1.150		\$0.150		8.0		\$83.630	\$110.410	N	\$110.410	N	\$137.190		Holidays	Scope of Work	Travel & Subistence
#FIELD SURVEYOR,	INSTRUMENTMAN (018.167-034)	R	02/22/2021	09/30/2021	\$50.460		\$11.850		\$12.150		\$4.600	E	\$1.150		\$0.150		8.0		\$80.360	\$105.590	N	\$105.590	N	\$130.820		Holidays	Scope of Work	Travel & Subistence
#FIELD SURVEYOR,	CHAINMAN/RODMAN (869.567-010)	R	02/22/2021	09/30/2021	\$49.880		\$11.850		\$12.150		\$4.550	E	\$1.150		\$0.150		8.0		\$79.730	\$104.670	N	\$104.670	N	\$129.610		Holidays	Scope of Work	Travel & Subistence
#GLAZIER			08/22/2020	05/31/2021	\$47.950	S	\$7.750	I	\$13.450		\$0.000	J	\$0.770		\$0.930		8.0		\$70.850	\$93.330	V	\$93.330	V	\$115.800		Holidays	Scope of Work	Travel & Subistence
#MARBLE FINISHER			08/22/2020	05/31/2021	\$34.690	W	\$9.000		\$4.270		\$0.000		\$0.830		\$0.320		8.0		\$49.110	\$66.450	X	\$66.450	Y	\$83.800	Z	Holidays	Scope of Work	Travel & Subistence
#PAINTER:	PAINTER, LEAD ABATEMENT	AA	02/22/2021	06/30/2021	\$33.120	D	\$9.000		\$4.940		\$2.550		\$0.750		\$1.010		8.0		\$51.370	\$67.930	AB	\$67.930	AB	\$67.930	AB	Holidays	Scope of Work	Travel & Subistence
#PAINTER:	REPAINT PAINTER, LEAD ABATEMENT	AA	02/22/2021	06/30/2021	\$29.590	D	\$9.000		\$4.940		\$2.430		\$0.750		\$1.010		8.0		\$47.720	\$62.520	AC	\$62.520	AC	\$62.520	AC	Holidays	Scope of Work	Travel & Subistence
#PAINTER:	INDUSTRIAL PAINTER	AA	02/22/2021	06/30/2021	\$35.520	D	\$9.000		\$4.940		\$2.850		\$0.850		\$1.010		8.0		\$54.170	\$71.930	AB	\$71.930	AB	\$71.930	AB	Holidays	Scope of Work	Travel & Subistence
#PAINTER:	INDUSTRIAL REPAINT PAINTER	AA	02/22/2021	06/30/2021	\$31.840	D	\$9.000		\$4.940		\$2.710		\$0.850		\$1.010		8.0		\$50.350	\$66.270	AC	\$66.270	AC	\$66.270	AC	Holidays	Scope of Work	Travel & Subistence
PAINTER:	GRAFFITI REMOVAL WORKER JOURNEYMAN (APPLIES ONLY TO PAINT-OVER METHOD)	AD	02/22/2021	01/31/2022	\$24.000		\$8.400		\$1.000		\$0.000		\$0.750		\$0.000		8.0		\$34.150	\$46.150		\$46.150	J	\$58.150		Holidays	Scope of Work	Travel & Subistence
PAINTER:	GRAFFITI REMOVAL WORKER 1 (APPLIES ONLY TO PAINT-OVER METHOD)	AE	02/22/2021	01/31/2022	\$16.500		\$8.400		\$1.000		\$0.000		\$0.750		\$0.000		8.0		\$26.650	\$34.900		\$34.900	J	\$43.150		Holidays	Scope of Work	Travel & Subistence
PAINTER:	GRAFFITI REMOVAL WORKER 2 (APPLIES ONLY TO PAINT-OVER METHOD)	AE	02/22/2021	01/31/2022	\$17.370		\$8.400		\$1.000		\$0.000		\$0.750		\$0.000		8.0		\$27.520	\$36.210		\$36.210	J	\$44.890		Holidays	Scope of Work	Travel & Subistence
#PLASTERER			08/22/2020	08/03/2021	\$37.860		\$9.380		\$6.840		\$6.890	AG	\$0.990		\$1.040		8.0	AH	\$63.000	\$81.930	AB	\$81.930	AI	\$100.860		Holidays	Scope of Work	Travel & Subistence
#PLASTER TENDER		AJ	08/22/2020	08/03/2021	\$38.580		\$8.000		\$8.710		\$5.200	AK	\$1.050		\$0.960		8.0		\$62.500	\$81.790	AL	\$81.790	AM	\$101.080		Holidays	Scope of Work	Travel & Subistence
PLASTER TENDER	PLASTER CLEAN-UP LABORER		08/22/2020	08/03/2021	\$36.030		\$8.000		\$8.710		\$5.200	AK	\$1.050		\$0.960		8.0		\$59.950	\$77.960	AL	\$77.960	AM	\$95.980		Holidays	Scope of Work	Travel & Subistence
#PLUMBER:	PLUMBER, INDUSTRIAL AND GENERAL PIPEFITTER		08/22/2020	08/31/2021	\$52.280	AN	\$8.910		\$13.300	AO	\$0.000	AP	\$2.500		\$1.330	AO	8.0		\$78.320	\$103.540	D	\$103.540	D	\$127.130		Holidays	Scope of Work	Travel & Subistence
#PLUMBER:	SEWER AND STORM DRAIN PIPELAYER		08/22/2020	08/31/2021	\$39.390	AN	\$8.800		\$10.450	AO	\$0.000	AP	\$2.230		\$1.330	AO	8.0		\$62.200	\$80.970		\$80.970	AR	\$99.130		Holidays	Scope of Work	Travel & Subistence
PLUMBER:	SEWER AND STORM DRAIN PIPE TRADESMAN	AS	08/22/2020	08/31/2021	\$19.500	AT	\$9.050		\$0.380		\$0.000		\$1.360		\$1.180	AO	8.0		\$31.470	\$40.290		\$40.290	AR	\$49.120		Holidays	Scope of Work	Travel & Subistence
#PLUMBER:	SERVICE & REPAIR (PLUMBER/HVAC-FITTER)		08/22/2020	08/31/2021	\$50.700	AN	\$8.910		\$12.990	AO	\$0.000	AP	\$1.830		\$1.330	AO	8.0		\$75.760	\$100.180		\$100.180	AU	\$122.980	AV	Holidays	Scope of Work	Travel & Subistence
#PLUMBER:	LANDSCAPE/IRRIGATION FITTER		08/22/2020	08/31/2021	\$35.300	AV	\$8.910		\$13.300	AO	\$0.000	AP	\$1.890		\$1.130	AO	8.0	AR	\$60.530	\$78.180		\$78.180		\$94.470		Holidays	Scope of Work	Travel & Subistence
PLUMBER:	LANDSCAPE/IRRIGATION TRADESMAN	AW	08/22/2020	08/31/2021	\$15.360	AV	\$3.000		\$1.160	AO	\$0.000		\$0.100		\$0.930	AO	8.0	AR	\$20.550	\$28.230		\$28.230		\$35.910		Holidays	Scope of Work	Travel & Subistence
#PLUMBER:	FIRE SPRINKLER FITTER (PROTECTION AND CONTROL SYSTEMS, OVERHEAD AND UNDERGROUND)		08/22/2020	03/31/2021	\$39.830		\$10.230		\$14.960	AX	\$0.000		\$0.520		\$0.250		8.0		\$65.790	\$85.710		\$85.710		\$105.620		Holidays	Scope of Work	Travel & Subistence
#ROOFER			02/22/2021	07/31/2021	\$40.770	AY	\$8.560		\$9.070	AZ	\$0.000	BA	\$0.530		\$0.690	BB	8.0		\$59.620	\$78.000	BC	\$78.000	BC	\$96.390		Holidays	Scope of Work	Travel & Subistence
#ROOFER	PITCH WORK		02/22/2021	07/31/2021	\$42.520	AY	\$8.560		\$9.070	AZ	\$0.000	BA	\$0.530		\$0.690	BB	8.0		\$61.370	\$80.630	BC	\$80.630	BC	\$99.890		Holidays	Scope of Work	Travel & Subistence
#ROOFER	PREPARER		02/22/2021	07/31/2021	\$41.770	AY	\$8.560		\$9.070	AZ	\$0.000	BA	\$0.530		\$0.690	BB	8.0		\$60.620	\$79.500	BC	\$79.500	BC	\$98.390		Holidays	Scope of Work	Travel & Subistence
#SHEET METAL WORKER			02/22/2021	06/30/2021	\$48.280	D	\$11.120		\$17.540	BD	\$0.000		\$0.820		\$0.680		8.0		\$78.440	\$102.580	BE	\$102.580	BE	\$126.720		Holidays	Scope of Work	Travel & Subistence
#TERRAZZO FINISHER			08/22/2020	08/31/2021	\$33.660	G	\$9.250		\$4.220		\$0.000	BF	\$0.730		\$0.260		8.0	AR	\$48.120	\$64.950	X	\$64.950	BC	\$81.780	Z	Holidays	Scope of Work	Travel & Subistence
#TERRAZZO WORKER			08/22/2020	08/31/2021	\$41.600	G	\$9.250		\$4.480		\$0.000	BF	\$1.000		\$0.260		8.0	AR	\$56.590	\$77.390	X	\$77.390	BC	\$98.190	Z	Holidays	Scope of Work	Travel & Subistence
#TILE FINISHER			08/22/2020	05/31/2021	\$29.430	W	\$9.000		\$2.750		\$0.000		\$0.760		\$0.280		8.0		\$42.220	\$56.940	X	\$56.940	Y	\$71.650	Z	Holidays	Scope of Work	Travel & Subistence
#TILE LAYER			08/22/2020	05/31/2021	\$41.740	W	\$9.000		\$8.220		\$0.000		\$0.940		\$0.370		8.0		\$60.270	\$81.140	X	\$81.140	Y	\$102.010	Z	Holidays	Scope of Work	Travel & Subistence

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FOOTNOTES

* EFFECTIVE UNTIL SUPERSEDED BY A NEW DETERMINATION ISSUED BY THE DIRECTOR OF INDUSTRIAL RELATIONS. CONTACT THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774 FOR THE NEW RATES AFTER TEN DAYS AFTER THE EXPIRATION DATE IF NO SUBSEQUENT DETERMINATION IS ISSUED.

** THE RATE TO BE PAID FOR WORK PERFORMED AFTER THIS DATE HAS BEEN DETERMINED. IF WORK WILL EXTEND PAST THIS DATE, THE NEW RATE MUST BE PAID AND SHOULD BE INCORPORATED IN CONTRACTS ENTERED INTO NOW. CONTACT THE OFFICE OF THE DIRECTOR - RESEARCH UNIT FOR SPECIFIC RATES AT (415) 703-4774.

INDICATES AN APPRENTICEABLE CRAFT. THE CURRENT APPRENTICE WAGE RATES ARE AVAILABLE ON THE INTERNET @ HTTP://WWW.DIR.CA.GOV/OPRL/PWAPPWAGE/PWAPPWAGESTART.ASP.

- & THE BASIC HOURLY RATE AND EMPLOYER PAYMENTS ARE NOT TAKEN FROM A COLLECTIVE BARGAINING AGREEMENT FOR THIS CRAFT OR CLASSIFICATION.
- A INCLUDES AMOUNT WITHHELD FOR DUES CHECK OFF AND CONTRACT COMPLIANCE.
- B INCLUDES AN AMOUNT FOR IMI TRAINING FUND.
- C SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORKWEEK DUE TO INCLEMENT WEATHER, OR REASONS BEYOND THE CONTROL OF THE EMPLOYER.
- D RATE APPLIES TO THE FIRST 2 DAILY OVERTIME HOURS AND THE FIRST 10 HOURS ON SATURDAY; ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME HOURLY RATE.
- E THE RATIO OF BRICK TENDERS TO BRICKLAYERS SHALL BE AS FOLLOWS: ONE (1) BRICK TENDER TO NO MORE THAN THREE (3) BRICKLAYERS DURING THE INSTALLATION OF BLOCK ON A TYPICAL MASONRY PROJECT.
- F INCLUDES AN AMOUNT PER HOUR WORKED FOR SUPPLEMENTAL DUES.
- G INCLUDES AMOUNT WITHHELD FOR DUES CHECK OFF.
- H RATE APPLIES TO THE FIRST 12 HOURS WORKED ON SATURDAY. ALL OTHER TIME IS PAID AT DOUBLE TIME. SATURDAY MAY BE WORKED AT THE STRAIGHT-TIME HOURLY RATE FOR THE FIRST 8 HOURS IF INCLEMENT WEATHER FORCES A SYNTHETIC/ARTIFICIAL TURF PROJECT TO SHUT DOWN DURING THE REGULAR WORK WEEK (MONDAY THOUGH FRIDAY).
- I A MATERIAL HANDLER MAY BE UTILIZED IN RATIO OF ONE (1) MATERIAL HANDLER WITH ANY FIVE (5) JOURNEYMEN ON ANY GIVEN PROJECT.
- J RATE APPLIES TO THE FIRST 12 HOURS ON SATURDAY, ALL OTHER TIME IS PAID AT DOUBLE TIME.
- K RATE APPLIES TO FIRST 8 HOURS ONLY. DOUBLE TIME THEREAFTER. SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORK WEEK DUE TO INCLEMENT WEATHER.
- L IN ADDITION, AN AMOUNT EQUAL TO 3% OF THE BASIC HOURLY RATE IS ADDED TO THE TOTAL HOURLY RATE AND OVERTIME HOURLY RATES FOR THE NATIONAL EMPLOYEES BENEFIT BOARD.
- M INCLUDES AN AMOUNT FOR THE NATIONAL LABOR-MANAGEMENT COOPERATION FUND AND THE ADMINISTRATIVE MAINTENANCE FUND.
- N RATE APPLIES TO THE FIRST 4 DAILY OVERTIME HOURS AND THE FIRST 12 HOURS WORKED ON SATURDAY; ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME HOURLY RATE.
- O INCLUDES AMOUNT WITHHELD FOR WORKING DUES.
- P IN ADDITION TO THE AMOUNT SHOWN, WHICH IS FACTORED AT THE APPLICABLE OVERTIME MULTIPLIER FOR EACH OVERTIME HOUR, \$0.28 IS ADDED TO THE TOTAL HOURLY RATE AND OVERTIME HOURLY RATES FOR THE LABOR MANAGEMENT COOPERATION COMMITTEE FUND. AMOUNT FOR LABOR MANAGEMENT COOPERATION COMMITTEE FUND IS NOT FACTORED AT THE APPLICABLE OVERTIME MULTIPLIER
- Q RATE APPLIES TO THE FIRST 3 DAILY OVERTIME HOURS AND THE FIRST 8 HOURS WORKED ON SATURDAY; ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME HOURLY RATE.
- R DICTIONARY OF OCCUPATIONAL TITLES, FOURTH EDITION, 1977, U.S. DEPARTMENT OF LABOR.
- S INCLUDES AMOUNT WITHHELD FOR DUES CHECKOFF, WHICH IS FACTORED IN THE OVERTIME RATES. INCLUDES \$3.00 FOR VACATION THAT IS NOT FACTORED IN THE OVERTIME RATES.
- T INCLUDES AN AMOUNT PER HOUR WORKED OR PAID TO DISABILITY FUND.
- U INCLUDED IN STRAIGHT-TIME HOURLY RATE WHICH IS NOT FACTORED IN THE OVERTIME RATES.
- V RATE APPLIES TO THE FIRST 2 OVERTIME HOURS MONDAY THROUGH FRIDAY AND THE FIRST 8 HOURS WORKED ON SATURDAY. ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME RATE.
- W INCLUDES AMOUNT WITHHELD FOR ADMINISTRATIVE DUES.
- X RATE APPLIES TO FIRST TWO DAILY OVERTIME HOURS WORKED; ALL OTHER OVERTIME IS PAID AT THE HOLIDAY OVERTIME HOURLY RATE.
- Y RATE APPLIES TO THE FIRST 8 HOURS WORKED ON A SIXTH OR SEVENTH CONSECUTIVE DAY DURING ANY ONE CALENDAR WEEK UP TO 50 HOURS IN ANY ONE CALENDAR WEEK. ALL HOURS IN EXCESS OF 10 HOURS DAILY OR 50 HOURS WEEKLY ARE PAID AT THE HOLIDAY RATE. SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORKWEEK DUE TO INCLEMENT WEATHER.
- Z RATE APPLIES TO WORK ON HOLIDAYS ONLY; SUNDAYS ARE PAID AT THE SATURDAY OVERTIME HOURLY RATE.
- AA AN ADDITIONAL \$0.25 PER HOUR WILL BE ADDED TO THE BASIC HOURLY RATE WHEN PERFORMING PAPERHANGING WORK.
- AB DOUBLE TIME SHALL BE PAID FOR ALL HOURS WORKED OVER 12 HOURS IN ANY ONE DAY.
- AC ON REPAINT WAGE WORK ANY 8 HOURS IN A 24 HOUR PERIOD MONDAY THROUGH SUNDAY SHALL BE THE WORK DAY AND ANY 40 HOURS IN A WEEK SHALL BE THE WORK WEEK, PROVIDED THAT THE 40 HOURS IS WORKED IN 5 CONSECUTIVE DAYS (LEGAL HOLIDAYS WILL NOT BE COUNTED IN THE 5 CONSECUTIVE DAYS). FOR ALL WORK UNDER THIS CRAFT/CLASSIFICATION DOUBLE TIME SHALL BE PAID FOR ALL HOURS WORKED OVER 12 HOURS IN ANY ONE DAY.
- AD RATE APPLIES AFTER 36 MONTHS OF EXPERIENCE
- AE RATE APPLIES TO FIRST 12 MONTHS OF EXPERIENCE
- AF RATE APPLIES AFTER 12 MONTHS THROUGH 36 MONTHS EXPERIENCE
- AG INCLUDES AN AMOUNT PER HOUR WORKED OR PAID FOR DUES CHECK OFF
- AH SATURDAY IN THE SAME WORKWEEK MAY BE WORKED AT THE STRAIGHT-TIME HOURLY RATE IF IT IS NOT POSSIBLE TO COMPLETE FORTY HOURS OF WORK MONDAY THROUGH FRIDAY WHEN THE JOB IS SHUT DOWN DUE TO INCLEMENT WEATHER OR SIMILAR ACT OF GOD, OR BEYOND THE CONTRACTOR'S CONTROL.
- AI RATE APPLIES TO THE FIRST 8 HOURS WORKED; ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME HOURLY RATE.
- AJ THE RATIO OF PLASTER TENDERS TO PLASTERERS SHALL BE AS FOLLOWS: THERE SHALL BE A PLASTER TENDER ON THE JOBSITE WHENEVER THERE IS A PLASTERER PERFORMING WORK ON THE JOBSITE, EXCEPT ON SMALL PATCH WORK WHERE ONLY ONE PLASTERER IS PERFORMING WORK. FOR INSIDE BROWN COATINGS THERE SHALL BE 2 PLASTER TENDERS FOR UP TO EVERY 3 PLASTERERS. FOR INSIDE FINISH COATINGS THERE SHALL BE 1 PLASTER TENDER FOR UP TO EVERY 3 PLASTERERS. ON OUTSIDE FINISH AND BROWN COATINGS AND FOR ALL OTHER WORK, THERE SHALL BE 1 PLASTER TENDER FOR UP TO EVERY 2 PLASTERERS.
- AK INCLUDES AN AMOUNT PER HOUR WORKED OR PAID FOR SUPPLEMENTAL DUES.
- AL ALL WORK PERFORMED AFTER TWELVE (12) HOURS IN A DAY SHALL BE PAID AT THE SUNDAY/HOLIDAY RATE.
- AM RATE APPLIES TO THE FIRST EIGHT HOURS ON SATURDAY. ALL OTHER TIME IS PAID AT THE SUNDAY AND HOLIDAY OVERTIME RATE. SATURDAY WORK MAY BE PAID AT THE STRAIGHT TIME RATE IF THE JOB IS SHUT DOWN DURING THE NORMAL WORK WEEK DUE TO INCLEMENT WEATHER.
- AN INCLUDES AN AMOUNT WITHHELD FOR ADMINISTRATIVE DUES WHICH IS NOT FACTORED INTO OVERTIME AND AN AMOUNT FOR VACATION WHICH IS FACTORED AT 1.5 TIMES FOR ALL OVERTIME.
- AO INCLUDES AMOUNT FOR NATIONAL PENSION AND RETIREE'S X-MAS FUND.
- AP AMOUNT INCLUDED IN BASIC HOURLY RATE AND FACTORED AT 1.5 TIMES FOR ALL OVERTIME.
- AQ INCLUDES AN AMOUNT FOR THE P.I.P.E. LABOR MANAGEMENT COOPERATION COMMITTEE AND THE CONTRACTOR EDUCATION & DEVELOPMENT FUND.
- AR SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORKWEEK DUE TO INCLEMENT WEATHER.
- AS PIPE TRADESMEN SHALL NOT BE PERMITTED ON ANY JOB WITHOUT A JOURNEYMAN.
- AT INCLUDES AN AMOUNT WITHHELD FOR ADMINISTRATIVE DUES WHICH IS NOT FACTORED IN THE OVERTIME RATES.
- AU SATURDAY MAY BE WORKED AT STRAIGHT-TIME RATE, PROVIDED THAT THE HOURS DO NOT EXCEED 8 HOURS PER DAY OR 40 HOURS PER WEEK.
- AV DOUBLE TIME SHALL BE PAID FOR NEW YEAR'S DAY, EASTER SUNDAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS.
- AW TRADESMEN SHALL ONLY BE USED IF THE FIRST WORKER ON THE JOB IS A LANDSCAPE/IRRIGATION FITTER, SECOND WORKER MUST BE A LANDSCAPE/IRRIGATION FITTER OR APPRENTICE LANDSCAPE/IRRIGATION FITTER. THE 3RD AND 4TH MAY BE A TRADESMAN. THE 5TH MUST BE A LANDSCAPE/IRRIGATION FITTER AND THEREAFTER TRADESMEN WILL BE REFERRED ON A 50-50 BASIS, TO JOURNEYMAN OR APPRENTICE.
- AX INCLUDES AN AMOUNT FOR SUPPLEMENTAL PENSION FUND.
- AY INCLUDE AMOUNTS FOR DUES CHECK OFF AND VACATION/HOLIDAY, WHICH ARE NOT FACTORED INTO OVERTIME.
- AZ INCLUDES AN AMOUNT PER HOUR WORKED FOR ANNUITY TRUST FUND.
- BA INCLUDED IN BASIC HOURLY RATE. VACATION IS NOT FACTORED INTO OVERTIME.
- BB INCLUDE AMOUNTS FOR ADMINISTRATIVE FUND, COMPLIANCE FUND, INDUSTRY FUND, AND RESEARCH AND EDUCATION TRUST FUND.
- BC RATE APPLIES TO THE FIRST 2 DAILY OVERTIME HOURS AND THE FIRST 10 HOURS ON SATURDAY; SUNDAY AND HOLIDAY OVERTIME HOURLY RATE WILL BE PAID AFTER 10 HOURS PER DAY AND ALL HOURS WORKED OVER 55 HOURS PER WEEK.
- BD PURSUANT TO LABOR CODE SECTIONS 1773.1 AND 1773.8, THE AMOUNT PAID FOR THIS EMPLOYER PAYMENT MAY VARY RESULTING IN A LOWER TAXABLE BASIC HOURLY WAGE RATE, BUT THE TOTAL HOURLY RATES FOR STRAIGHT TIME AND OVERTIME MAY NOT BE LESS THAN THE GENERAL PREVAILING RATE OF PER DIEM WAGES.
- BE RATE APPLIES FOR THE FIRST 4 OVERTIME HOURS MONDAY THROUGH FRIDAY AND THE FIRST 12 HOURS WORKED ON SATURDAY. ALL OTHER TIME IS PAID AT THE SUNDAY/HOLIDAY RATE. SATURDAYS IN THE SAME WORKWEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORKWEEK DUE TO INCLEMENT WEATHER.
- BF INCLUDED IN STRAIGHT-TIME HOURLY RATE.
- BG RATE APPLIES TO THE FIRST 8 HOURS WORKED ON A SIXTH OR SEVENTH CONSECUTIVE DAY DURING ANY ONE CALENDAR WEEK UP TO 50 HOURS IN ANY ONE CALENDAR WEEK. ALL OTHER TIME IS PAID AT THE HOLIDAY RATE.

RECOGNIZED HOLIDAYS: HOLIDAYS UPON WHICH THE GENERAL PREVAILING HOURLY WAGE RATE FOR HOLIDAY WORK SHALL BE PAID, SHALL BE ALL HOLIDAYS IN THE COLLECTIVE BARGAINING AGREEMENT, APPLICABLE TO THE PARTICULAR CRAFT, CLASSIFICATION, OR TYPE OF WORKER EMPLOYED ON THE PROJECT, WHICH IS ON FILE WITH THE DIRECTOR OF INDUSTRIAL RELATIONS. IF THE PREVAILING RATE IS NOT BASED ON A COLLECTIVELY BARGAINED RATE, THE HOLIDAYS UPON WHICH THE PREVAILING RATE SHALL BE PAID SHALL BE AS PROVIDED IN SECTION 6700 OF THE GOVERNMENT CODE. YOU MAY OBTAIN THE HOLIDAY PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT

[HTTP://WWW.DIR.CA.GOV/OPRL/DPreWageDetermination.htm](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm). HOLIDAY PROVISIONS FOR THE CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE: IN ACCORDANCE WITH LABOR CODE SECTIONS 1773.1 AND 1773.9, CONTRACTORS SHALL MAKE TRAVEL AND/OR SUBSISTENCE PAYMENTS TO EACH WORKER TO EXECUTE THE WORK. YOU MAY OBTAIN THE TRAVEL AND/OR SUBSISTENCE PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/DPreWageDetermination.htm](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm). TRAVEL AND/OR SUBSISTENCE REQUIREMENTS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.

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CA DIR Prevailing Wage Determination

Riverside 2021-1

Craft Classification Pre-Determined Increases

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1 FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

LOCALITY: RIVERSIDE COUNTY
 DETERMINATION: RIV-2021-1
 PREDETERMINED INCREASES

CRAFT	CLASSIFICATION	CRAFT FOOTNOTE	ISSUE DATE	EXPIRATION DATE	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 1	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 2	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 3	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 4	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 5	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 6	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 7	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 8	DATE OF NEXT INCREASE	AMOUNT OF INCREASE	INCREASE FOOTNOTE 9	
CARPET, LINOLEUM,	RESILIENT TILE LAYER		02/22/2021	12/31/2021**	01/01/2022	\$1.450	A																									
CARPET, LINOLEUM,	MATERIAL HANDLER	B	02/22/2021	12/31/2021**	01/01/2022	\$1.250	C																									
DRYWALL FINISHER			02/22/2021	09/30/2021**	10/01/2021	\$2.500	D																									
ELECTRICIAN	SOUND INSTALLER		02/22/2021	12/26/2021**	12/27/2021	\$3.050	D																									
ELECTRICIAN	INSIDE WIREMAN, TECHNICIAN		02/22/2021	12/26/2021**	12/27/2021	\$3.750	D	12/26/2022	\$3.750	D																						
ELECTRICIAN	CABLE SPLICER		02/22/2021	12/26/2021**	12/27/2021	\$3.750	D	12/26/2022	\$3.750	D																						
FIELD SURVEYOR:	CHIEF OF PARTY (018.167-010)	E	02/22/2021	09/30/2021**	10/01/2021	\$2.750	D																									
FIELD SURVEYOR:	INSTRUMENTMAN (018.167-034)	E	02/22/2021	09/30/2021**	10/01/2021	\$2.450	D																									
FIELD SURVEYOR:	CHAINMAN/RODMAN (869.567-010)	E	02/22/2021	09/30/2021**	10/01/2021	\$2.450	D																									
GLAZIER			08/22/2020	05/31/2021**	06/01/2021	\$3.030	E	06/01/2022	\$4.020	G																						
MARBLE FINISHER			08/22/2020	05/31/2021**	06/01/2021	\$1.230	D																									
PAINTER:	PAINTER, LEAD ABATEMENT	H	02/22/2021	06/30/2021**	07/01/2021	\$1.000	I	07/01/2022	\$.800	D																						
PAINTER:	INDUSTRIAL PAINTER	H	02/22/2021	06/30/2021**	07/01/2021	\$1.000	I	07/01/2022	\$.800	D																						
PLASTERER			08/22/2020	08/03/2021**	08/04/2021	\$2.200	D																									
PLASTER TENDER		J	08/22/2020	08/03/2021**	08/04/2021	\$2.200	D																									
PLASTER TENDER	PLASTER CLEAN-UP LABORER		08/22/2020	08/03/2021**	08/04/2021	\$2.200	D																									
PLUMBER:	PLUMBER, INDUSTRIAL AND GENERAL PIPEFITTER		08/22/2020	08/31/2021**	09/01/2021	\$2.260	D	09/01/2022	\$2.260	D	09/01/2023	\$2.350	D	09/01/2024	\$2.500	D	09/01/2025	\$2.500	D													
PLUMBER:	SEWER AND STORM DRAIN PIPELAYER		08/22/2020	08/31/2021**	09/01/2021	\$2.260	D	09/01/2022	\$2.260	D	09/01/2023	\$2.350	D	09/01/2024	\$2.500	D	09/01/2025	\$2.500	D													
PLUMBER:	SEWER AND STORM DRAIN PIPE TRADESMAN	K	08/22/2020	08/31/2021**	09/01/2021	\$.900	D	09/01/2022	\$.900	D	09/01/2023	\$.940	D	09/01/2024	\$1.000	D	09/01/2025	\$1.000	D													
PLUMBER:	SERVICE & REPAIR (PLUMBER/HVAC-FITTER)		08/22/2020	08/31/2021**	09/01/2021	\$2.260	D	09/01/2022	\$2.260	D	09/01/2023	\$2.350	D	09/01/2024	\$2.500	D	09/01/2025	\$2.500	D													
PLUMBER:	LANDSCAPE/IRRIGATION FITTER		08/22/2020	08/31/2021**	09/01/2021	\$2.260	D	09/01/2022	\$2.260	D	09/01/2023	\$2.350	D	09/01/2024	\$2.500	D	09/01/2025	\$2.500	D													
PLUMBER:	LANDSCAPE/IRRIGATION TRADESMAN	L	08/22/2020	08/31/2021**	09/01/2021	\$.590	D	09/01/2022	\$.590	D	09/01/2023	\$.610	D	09/01/2024	\$.650	D	09/01/2025	\$.650	D													
ROOFER			02/22/2021	07/31/2021**	08/01/2021	\$2.000	M	08/01/2022	\$2.000	N																						
ROOFER	PITCH WORK		02/22/2021	07/31/2021**	08/01/2021	\$2.000	M	08/01/2022	\$2.000	N																						
ROOFER	PREPARER		02/22/2021	07/31/2021**	08/01/2021	\$2.000	M	08/01/2022	\$2.000	N																						
TERRAZZO FINISHER			08/22/2020	08/31/2021**	09/01/2021	\$1.680	D																									
TERRAZZO WORKER			08/22/2020	08/31/2021**	09/01/2021	\$1.980	D																									
TILE FINISHER			08/22/2020	05/31/2021**	06/01/2021	\$1.060	D																									
TILE LAYER			08/22/2020	05/31/2021**	06/01/2021	\$1.510	D																									

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FOOTNOTES

- ** THE RATE TO BE PAID FOR WORK PERFORMED AFTER THIS DATE HAS BEEN DETERMINED. IF WORK WILL EXTEND PAST THIS DATE, THE NEW RATE MUST BE PAID AND SHOULD BE INCORPORATED IN CONTRACTS ENTERED INTO NOW. CONTACT THE OFFICE OF THE DIRECTOR - RESEARCH UNIT FOR SPECIFIC RATES AT (415) 703-4774.
- A \$1.20 TO THE BASIC HOURLY RATE, \$0.15 TO HEALTH & WELFARE AND \$0.10 TO VACATION/HOLIDAY.
- B A MATERIAL HANDLER MAY BE UTILIZED IN RATIO OF ONE (1) MATERIAL HANDLER WITH ANY FIVE (5) JOURNEYMEN ON ANY GIVEN PROJECT.
- C \$1.00 TO THE BASIC HOURLY RATE, \$0.15 TO HEALTH & WELFARE AND \$0.10 TO VACATION/HOLIDAY.
- D THE PREDETERMINED INCREASE SHOWN IS TO BE ALLOCATED TO WAGES AND/OR EMPLOYER PAYMENTS. PLEASE CONTACT THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774 WHEN THE PREDETERMINED INCREASE BECOMES DUE TO CONFIRM THE DISTRIBUTION. PLEASE ALSO EXAMINE THE IMPORTANT NOTICES TO SEE IF ANY MODIFICATIONS HAVE BEEN ISSUED, AS THERE MAY BE REDUCTIONS TO PREDETERMINED INCREASES.
- E DICTIONARY OF OCCUPATIONAL TITLES, FOURTH EDITION, 1977, U.S. DEPARTMENT OF LABOR.
- F \$0.25 TO HEALTH & WELFARE, \$0.40 TO PENSION, \$0.03 TO OTHER AND \$2.35 TO WAGES AND/OR FRINGES.
- G \$0.25 TO HEALTH & WELFARE, \$1.00 TO PENSION, \$0.02 TO OTHER AND \$2.75 TO WAGES AND/OR FRINGES.
- H AN ADDITIONAL \$0.25 PER HOUR WILL BE ADDED TO THE BASIC HOURLY RATE WHEN PERFORMING PAPERHANGING WORK.
- I \$1.00 TO THE BASIC HOURLY RATE.
- J THE RATIO OF PLASTER TENDERS TO PLASTERERS SHALL BE AS FOLLOWS: THERE SHALL BE A PLASTER TENDER ON THE JOBSITE WHENEVER THERE IS A PLASTERER PERFORMING WORK ON THE JOBSITE, EXCEPT ON SMALL PATCH WORK WHERE ONLY ONE PLASTERER IS PERFORMING WORK. FOR INSIDE BROWN COATINGS THERE SHALL BE 2 PLASTER TENDERS FOR UP TO EVERY 3 PLASTERERS. FOR INSIDE FINISH COATINGS THERE SHALL BE 1 PLASTER TENDER FOR UP TO EVERY 3 PLASTERERS. ON OUTSIDE FINISH AND BROWN COATINGS AND FOR ALL OTHER WORK, THERE SHALL BE 1 PLASTER TENDER FOR UP TO EVERY 2 PLASTERERS.
- K PIPE TRADESMEN SHALL NOT BE PERMITTED ON ANY JOB WITHOUT A JOURNEYMAN.
- L TRADESMEN SHALL ONLY BE USED IF THE FIRST WORKER ON THE JOB IS A LANDSCAPE/IRRIGATION FITTER, SECOND WORKER MUST BE A LANDSCAPE/IRRIGATION FITTER OR APPRENTICE LANDSCAPE/IRRIGATION FITTER. THE 3RD AND 4TH MAY BE A TRADESMAN. THE 5TH MUST BE A LANDSCAPE/IRRIGATION FITTER AND THEREAFTER TRADESMEN WILL BE REFERRED ON A 50-50 BASIS, TO JOURNEYMAN OR APPRENTICE.
- M \$1.30 TO BASIC HOURLY RATE AND \$0.70 TO PENSION
- N \$1.40 TO BASIC HOURLY RATE AND \$0.60 TO PENSION

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CA DIR Prevailing Wage Determination

Riverside 2021-1

Apprentice Rates

GENERAL PREVAILING WAGE APPRENTICE RATES

Apprentice Prevailing Wage Rates are paid only to apprentices registered with the State of California, Division of Apprenticeship Standards, for work the registered apprentice performs in his/her specific craft or trade. You may check whether an Apprentice is registered at the [Division of Apprenticeship Standards Website](https://www.dir.ca.gov/DAS/appcertpw/AppCertSearch.asp) (https://www.dir.ca.gov/DAS/appcertpw/AppCertSearch.asp)

Determination: 2021-1

Expire Date: 12-26-2021 **

Shift: 1

Issue Date: 02-22-2021

Craft/Classification: Electrician, Inside Wireman

Counties: Riverside

Period	Duration Months	OJT Hours	Basic Hourly Rate	Health & Welfare	Pension	Vacation/ Holiday	Training	Other	Total Hourly Rate
1	N/A	2,000	\$18.700	\$9.380	\$5.660	\$0.000	\$0.000	\$0.000	\$28.640
2	N/A	1,500	\$23.380	\$9.380	\$7.490	\$0.000	\$0.730	\$0.400	\$41.380
3	N/A	1,500	\$28.050	\$9.380	\$8.980	\$0.000	\$0.730	\$0.420	\$47.560
4	N/A	1,500	\$32.730	\$9.380	\$10.470	\$0.000	\$0.730	\$0.440	\$53.750
5	N/A	1,500	\$39.740	\$9.380	\$12.720	\$0.000	\$0.730	\$0.480	\$63.050

FOOTNOTE(S)

Pension -- Includes an amount equal to 3% of the Basic Hourly Rate for NEBF which is factored at the applicable overtime multiplier.

Other --Includes amounts for LMCC (\$0.28) and AMF. Amount for AMF is equal to 0.5% of the Basic Hourly Rate and is factored at the applicable overtime multiplier.

** Predetermined Increases

Effective December 27, 2021, an increase of \$3.75 to be allocated to wages and/or employer payments

Effective December 26, 2022, an increase of \$3.75 to be allocated to wages and/or employer payments

There may be corresponding predetermined increase(s) to the apprentices associated with this journeyman craft/classification. Please fax a request to (415) 703-4771 or send to the following address:

Department of Industrial Relations

Office of the Director - Research Unit

P.O. Box 420603

San Francisco, CA 94142-0603

Determination: 2021-1

Expire Date: 12-26-2021 **

Shift: 2

Issue Date: 02-22-2021

Craft/Classification: Electrician, Inside Wireman

Counties: Riverside

Period	Duration Months	OJT Hours	Basic Hourly Rate	Health & Welfare	Pension	Vacation/ Holiday	Training	Other	Total Hourly Rate
1	N/A	2,000	\$21.940	\$9.380	\$6.660	\$0.000	\$0.000	\$0.000	\$31.980
2	N/A	1,500	\$27.420	\$9.380	\$7.610	\$0.000	\$0.730	\$0.420	\$45.560
3	N/A	1,500	\$32.900	\$9.380	\$9.130	\$0.000	\$0.730	\$0.440	\$52.580
4	N/A	1,500	\$38.390	\$9.380	\$10.640	\$0.000	\$0.730	\$0.470	\$59.610
5	N/A	1,500	\$46.620	\$9.380	\$12.930	\$0.000	\$0.730	\$0.510	\$70.170

FOOTNOTE(S)

Pension -- Includes an amount equal to 3% of the Basic Hourly Rate for NEBF which is factored at the applicable overtime multiplier.

Other -- Includes amounts for LMCC (\$0.28) and AMF. Amount for AMF is equal to 0.5% of the Basic Hourly Rate and is factored at the applicable overtime multiplier.

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Effective December 27, 2021, an increase of \$3.75 to be allocated to wages and/or employer payments

Effective December 26, 2022, an increase of \$3.75 to be allocated to wages and/or employer payments

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Department of Industrial Relations

Office of the Director - Research Unit

P.O. Box 420603

San Francisco, CA 94142-0603

Determination: 2021-1

Expire Date: 12-26-2021 **

Shift: 3

Issue Date: 02-22-2021

Craft/Classification: Electrician, Inside Wireman

Counties: Riverside

Period	Duration Months	OJT Hours	Basic Hourly Rate	Health & Welfare	Pension	Vacation/ Holiday	Training	Other	Total Hourly Rate
1	N/A	2,000	\$24.570	\$9.380	\$7.740	\$0.000	\$0.000	\$0.000	\$34.690
2	N/A	1,500	\$30.720	\$9.380	\$7.710	\$0.000	\$0.730	\$0.420	\$48.960
3	N/A	1,500	\$36.860	\$9.380	\$9.250	\$0.000	\$0.730	\$0.460	\$56.680
4	N/A	1,500	\$43.010	\$9.380	\$10.780	\$0.000	\$0.730	\$0.500	\$64.400
5	N/A	1,500	\$52.220	\$9.380	\$13.100	\$0.000	\$0.730	\$0.540	\$75.970

FOOTNOTE(S)

Pension -- Includes an amount equal to 3% of the Basic Hourly Rate for NEBF which is factored at the applicable overtime multiplier.

Other -- Includes amounts for LMCC (\$0.28) and AMF. Amount for AMF is equal to 0.5% of the Basic Hourly Rate and is factored at the applicable overtime multiplier.

** Predetermined Increases

Effective December 27, 2021, an increase of \$3.75 to be allocated to wages and/or employer payments

Effective December 26, 2022, an increase of \$3.75 to be allocated to wages and/or employer payments

There may be corresponding predetermined increase(s) to the apprentices associated with this journeyman craft/classification. Please fax a request to (415) 703-4771 or send to the following address:

Department of Industrial Relations

Office of the Director - Research Unit

P.O. Box 420603

San Francisco, CA 94142-0603



STUDY SESSION
DISCUSSION OUTLINE

Date: December 8, 2021

Originator: Darryn Flexman- IT

Subject: **TASK ORDER NO. 11 WITH AVIDEX INDUSTRIES LLC FOR THE CONTROL ROOM UPGRADES AND VIDEO WALL IMPLEMENTATION**

BACKGROUND AND RECOMMENDATION

In 2016 the District entered into a Master Services Agreement with Avidex Industries LLC (Avidex), formerly known as Digital Networks Group, for audio-visual services and support. Previously completed projects include audio and visual upgrades to multiple conference rooms in the Administration building, the lobby display, and the boardroom upgrades.

Avidex is well-versed with the District's infrastructure and network capabilities. To maintain product continuity, staff would like to continue to utilize their services for the Control Room, as part of the Regional Wastewater Plant Upgrade project. Control Room upgrades include audio visual control equipment and a video wall implementation. The video wall will have the ability to display multiple inputs at the same time such as the Distributed Control System (DCS), security cameras and local workstations. The total project cost is \$115,795.54 and includes equipment installation, programming, testing, training, and annual maintenance.

Staff plans to bring this item to the December 16, 2021 Board Meeting to recommend approval of Task Order No. 11 in the amount of \$115,795.54 with Avidex Industries LLC for the Control Room Upgrades and Video Wall Implementation.

ENVIRONMENTAL WORK STATUS

Not applicable.

FISCAL IMPACT

Within budget – No. A supplemental appropriation in the amount of \$115,795.54 is being requested with funding provided by the Wastewater Replacement Program.

Attachments: None.



STUDY SESSION
DISCUSSION OUTLINE

Date: December 8, 2021

Originator: AJ Rivera- Purchasing

Subject: PROFESSIONAL SERVICES AGREEMENT WITH PLANETBIDS, INC. FOR E-PROCUREMENT SERVICES

BACKGROUND AND RECOMMENDATION

PlanetBids, Inc. is a web-based software system that the District has been utilizing for its procurement processes since 2017. It provides a suite of procurement modules that are easy-to-use, configurable, reliable, and secure. PlanetBids is committed to working with the District and is continually making enhancements to make the program easier to use for both the District and vendors.

By utilizing PlanetBids, the District is able to expand its reach to vendors all over the world, as well as to perform specific outreach to many local suppliers. Additionally, PlanetBids offers an enhanced process to prequalify contractors and suppliers, therefore increasing efficiency for the evaluation and award selection of vendors. Currently there are over 650 registered vendors within District boundaries, 14,000 registered in Riverside County, and nearly 100,000 registered vendors within the counties of Riverside, San Bernardino, San Diego, and Orange.

PlanetBids offers multiple solutions to help automate and better manage the complete bidding process for goods, services and construction related projects. The following are the modules that the District has selected for its PlanetBids system, and key features of each component:

Vendor Management

- Allow vendors to register and maintain their profiles at no cost
- Automate vendor notifications
- Verify certifications and licenses
- Send custom messages to all or target groups of vendors

Bid Management

- Timely and comprehensive bid document distribution
- Secure eBidding

- User access management and security
- Sealed bids/lock box
- Bid specification library
- Advanced eBidding for Public Works

Evaluation Management

- Conduct RFP and bid evaluations
- Create evaluation criteria
- Documentation of notes
- Automatic and custom email notifications
- Comprehensive reports and charts

Emergency Operations

- Identify emergency suppliers from the master database shared by other agencies
- Access to emergency categorizations (goods, services, heavy equipment, etc.)
- Comprehensive emergency vendor detail form
- Free mobile app with emergency offline mode in case of internet outage

Business Certification / Prequalification Management

- Manage one or more certification types
- Automate renewal notifications
- Perform random audits
- Allows vendors to apply for and self-maintain their online certifications and prequalifications
- Comply with CADIR regulations

In addition, PlanetBids offers a project library that allows all registered agencies to share their bid information with each other. This allows staff to communicate and work with other agencies to develop a more robust and detailed scope of work to provide improved bids and services to the District.

Prior to the current software, procurement services cost the District approximately \$137,500 annually; but once the transition to PlanetBids was made, costs were reduced by 63%. During the current renewal period, purchasing staff negotiated discounted pricing and was able to further reduce the contract amount, which will save the District an additional \$25,000. The annual cost for the web-based procurement services are as follows:

Year 1	\$45,020.35
Year 2	\$45,020.35
Year 3	\$45,020.35
Year 4	\$45,920.75
Year 5	\$46,839.17

Staff plans to bring this item to the December 16, 2021 Board Meeting to recommend approval of a five-year Professional Services Agreement with PlanetBids, Inc. for e-Procurement services in the amount of \$227,820.97.

ENVIRONMENTAL WORK STATUS

Not applicable.

FISCAL IMPACT

Within budget – Yes. This request will be incorporated into future budgets

Attachments:

PlanetBids Discounted Pricing Chart

PlanetBids Discounted Pricing

PB System™ Modules	# Users	Renewal Options +/- %	Total Yr 1 (+0% increase from the previous year)	Total Yr 2 (+0% increase from Yr 1)	Total Yr 3 (+0% increase from Yr 2)	Total Yr 4 (+2% increase from Yr 3)	Total Yr 5 (+2% increase from Yr 4)
Module 1 – Vendor & Bid Management	10	+0-2%	\$20,259.16	\$20,259.16	\$20,259.16	\$20,664.34	\$21,077.62
Module 2 – RFP Evaluation	10	+0-2%	\$3,939.28	\$3,939.28	\$3,939.28	\$4,018.06	\$4,098.43
Module 3 – Advanced eBidding for Public Works	10	+0-2%	\$5,064.79	\$5,064.79	\$5,064.79	\$5,166.09	\$5,269.41
Module 4 – Emergency Operations	10	+0-2%	\$5,064.79	\$5,064.79	\$5,064.79	\$5,166.09	\$5,269.41
Module 7 – Business Cert./ Prequalification Management	10	+0-2%	\$10,692.33	\$10,692.33	\$10,692.33	\$10,906.17	\$11,124.30
Cost for 10 Users			\$50,085.14	\$50,085.14	\$50,085.14	\$51,086.84	\$52,108.58