



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE: DECEMBER 13, 2021**

**SUBJECT: BID NO. RPU-7858 CONSTRUCTION OF THE FY2021/22 GROUNDWATER WELL REHABILITATION PROJECT TO BEST DRILLING AND PUMP, INC. OF COLTON, CALIFORNIA, IN THE AMOUNT OF \$632,220; WORK ORDER NO. 2119272 FOR THE COOLEY H WELL IN THE AMOUNT OF \$423,471.44 AND WORK ORDER NO. 2205199 FOR THE MOORE-GRIFFITH WELL IN THE AMOUNT OF \$394,528.56 – TOTAL PROJECT COST OF \$818,000**

### **ISSUES:**

Consider awarding Bid No RPU 7858 for the FY2021/22 Groundwater Well Rehabilitation Project to Best Drilling and Pump, Inc. in the amount of \$632,220, approving the capital expenditures for Work Order No. 2119272 for the Cooley H Well in the amount of \$423,471.44, and approving Work Order No. 2205199 for the Moore-Griffith Well in the amount of \$394,528.56.

### **RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Reject the bid submitted for Bid No RPU 7858 by Weber Water Resources CA, LLC of Riverside, California in the amount of \$606,195.42, as non-responsive;
2. Award a contract for the construction of the FY2021/22 Groundwater Well Rehabilitation Project – Bid No. RPU-7858 to the lowest responsive and responsible bidder, Best Drilling and Pump, Inc. of Colton, California, in the amount of \$632,220;
3. Approve the capital expenditure for Work Order No. 2119272 in the amount of \$423,471.44 which includes all design, construction, construction support, contract administration, inspection and construction change order authority costs for the rehabilitation of the Cooley H Well;
4. Approve the capital expenditure for Work Order No. 2205199 in the amount of \$394,528.56 which includes all design, construction, construction support, contract administration, inspection and construction change order authority costs for the rehabilitation of the Moore-Griffith Well; and
5. Authorize a budget transfer of \$200,000 from the Public Utilities' Transmission Main Account No. 6230100-470735 to Public Utilities' Facility Rehabilitation Account No. 6230100-470803; and

6. Authorize the City Manager, or designee, to execute construction agreements and any other documents necessary to effectuate the project described herein, as well as the ability to make minor non-substantive changes including changes to each of the work order amounts but not-to-exceed the cumulative total of \$818,000 and in accordance with all purchasing policies.

## **BACKGROUND:**

The Riverside Public Utilities Department (RPU) operates and maintains over 50 active groundwater wells located throughout Riverside, Colton and San Bernardino to supply drinking water to the City of Riverside. Over time, the water wells lose efficiency due to mineralization and scale accumulation in the perforations of the well, fluctuations in groundwater levels and loss of efficiency of mechanical equipment from normal wear and tear. As a result, groundwater wells and mechanical devices (such as pump and motor assemblies) require periodic maintenance to sustain the production and delivery of water to the City of Riverside.

## **DISCUSSION:**

On June 21, 2013, the Board of Public Utilities (Board) approved a Professional Services Agreement with Geoscience Support Services, Inc. (Geoscience) to evaluate RPU's groundwater wells based on construction technique, physical inspection, and operational characteristics and to identify and rank the rehabilitation needs for each well. Staff utilized recommendations from the report prepared by Geoscience along with current operational data and needs to select groundwater wells to undergo rehabilitation work during Fiscal Year 2021/22. The two (2) wells decided on are Cooley H and Moore-Griffith.

The rehabilitation work on each well is planned to be completed together to minimize operational disruptions to the water system.

The general scope of work for rehabilitating each well includes removal and inspection of the pumping equipment, repair or replacement of pumping components, as needed, adjustment of the pump depth, video surveys, mechanical and chemical cleaning, and well redevelopment work and testing.

Bid No. RPU-7858 was posted on the City's Online Bid System on September 10, 2021, a pre-bid conference was held on September 22, 2021 and bids were opened on October 6, 2021. Three construction contractors submitted bids.

Public Contract Code Division 2, Part 1, Chapter 4, Section 4104(a)(1) provides that the bidder shall set forth in the bid "The name, the location of the place of business, the California contractor license number, and public works contractor registration number... of each subcontractor who will perform work or labor or render service to the prime contractor... in an amount in excess of one-half of 1 percent of the prime contractor's total bid...". Staff has determined that the bid submitted by Weber Water Resources CA, LLC is non-responsive since they did not set forth in their bid the name of the subcontractor who will perform the work designated in Bid Item Nos. 106 (Cooley H) Well Screen Cleaning and 206 (Moore-Griffith) Well Screen Cleaning.

Staff evaluated the bids and deemed Best Drilling and Pump, Inc. to be the lowest responsive and responsible bidder. The bids for Bid No. RPU-7858 are summarized in the table below:

Rank	Vendors	City Location	Bid Total
1.	Weber Water Resources CA, LLC	Riverside, CA	\$606,195.42
2.	<b>Best Drilling and Pump, Inc.</b>	<b>Colton, CA</b>	<b>\$632,220.00</b>
3.	Layne Christensen Company	Redlands, CA	\$1,047,987.00

Engineer's Construction Cost Estimate: \$565,000

The bids received were higher than the Engineer's Construction Cost Estimate largely due to higher-than-expected costs for labor and materials, likely resulting from the regionally high demand for groundwater well projects and disruptions to the supply chain of manufactured goods from the COVID-19 pandemic.

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown		W.O. No. 2119272 (Cooley H)	W.O. No. 2205199 (Moore-Griffith)	Total Project
Work Type:	Performed By:	Amount:	Amount:	Amount:
Planning and Design	Internal Staff	\$7,495.44	\$5,062.56	\$12,558
Construction	Best Drilling and Pump, Inc.	\$328,160	\$304,060	\$632,220
Construction Support	Internal Staff	\$10,000	\$10,000	\$20,000
Engineering Support, Construction Management and Inspection	Internal Staff	\$35,000	\$35,000	\$70,000
Hydrogeologist Services	Informal Procurement, Vendor to be Determined	\$10,000	\$10,000	\$20,000
Construction Contingencies	N/A	\$32,816	\$30,406	\$63,222
<b>Work Order Total:</b>				<b>\$818,000</b>
Reimbursements:	None			
<b>Anticipated Start Date:</b>	<b>January 2022</b>			
<b>Anticipated Duration:</b>	<b>3 Months</b>			

The table above identifies the parties that have performed and are expected to perform various portions of the project. Should there be a need to seek additional services using the formal procurement process, such items more than \$50,000 will be brought before the Board for consideration and action.

To more accurately track costs, staff requests that individual work orders be assigned to each well (the asset) and that the City Manager, or designee, approve adjustments to each individual work order to reflect actual costs, so long as the cumulative total does not exceed the total project cost of \$818,000.

The Purchasing Manager concurs that the recommended actions follow Purchasing Resolution No. 23256.

## **STRATEGIC PLAN ALIGNMENT:**

This item contributes to Strategic Priority 6. Infrastructure, Mobility and Connectivity and Goal 6.2 to maintain, protect, and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

This item aligns with each of the five Cross-Cutting Threads as follows:

1. **Community Trust** – RPU took the initiative to rehabilitate these groundwater wells which will enhance the reliability of the overall water system, demonstrating RPU's commitment to the customers it serves and building community trust.
2. **Equity** – RPU endeavors to provide safe and reliable water service to all its customers. Since RPU's water system is an interconnected network, investments made to individual parts of the system improve the reliability of the overall system, thereby providing an equitable benefit to all customers.
3. **Fiscal Responsibility** – The lowest price for these construction services was ensured through a competitive bidding process.
4. **Innovation** – This project employs the latest technology and methods for rehabilitating groundwater wells, helping to ensure effective operation of these groundwater wells.
5. **Sustainability & Resiliency** – This project will help ensure RPU can provide reliable water service to its customers.

## **FISCAL IMPACT:**

The total project estimate is \$818,000. Following a budget transfer of \$200,000 from the Public Utilities' Transmission Main Account No. 6230100-470735, sufficient funds are available in the Public Utilities' Facility Rehabilitation Account No. 6230100-470803. There is no anticipated impact to the Transmission Main Account as funds are expected to be replenished by savings from other capital improvement projects nearing completion.

Prepared by:	Oscar A. Khoury, Engineering Manager
Approved by:	Todd M. Corbin, Utilities General Manager
Approved by:	Kris Martinez, Interim Assistant City Manager
Approved as to form:	Phaedra A. Norton, City Attorney

Certifies availability of funds:	Edward Enriquez, Chief Financial Officer/City Treasurer
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### **Attachments:**

1. Project Site Map
2. Award Recommendation
3. Presentation