



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: DECEMBER 12, 2022

SUBJECT: AWARD BID NO. RPU-7951 FOR GAGE 29-2R GROUNDWATER WELL REPLACEMENT PROJECT (PHASE I) TO LAYNE CHRISTENSEN COMPANY OF REDLANDS, CALIFORNIA, IN THE AMOUNT OF \$2,782,738 WITH 10% CHANGE ORDER AUTHORITY IN THE AMOUNT OF \$278,274; RECOMMEND APPROVAL OF PROFESSIONAL CONSULTANT SERVICES AGREEMENT FOR HYDROGEOLOGIST CONSTRUCTION INSPECTION SERVICES FROM RFP 2224 WITH THOMAS HARDER AND COMPANY, INC. OF ANAHEIM, CALIFORNIA FOR A TERM THROUGH JUNE 30, 2024, IN THE AMOUNT OF \$64,735

ISSUES:

Consider awarding Bid No. RPU-7951 for the Gage 29-2R Groundwater Well Replacement Project (Phase I) to Layne Christensen Company of Redlands, California, in the amount of \$2,782,738 with 10% change order authority in the amount of \$278,274; recommending City Council to approve a Professional Consultant Services Agreement for Hydrogeologist Construction Inspection Services from Request for Proposals (RFP) No. 2224 with Thomas Harder and Company, Inc. of Anaheim, California for a term through June 30, 2024 in the amount of \$64,735; and approving the capital expenditure for Work Order No. 2221271 for the Gage 29-2R Groundwater Well Replacement Project (Phase I) in the amount of \$3,330,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award a construction contract for Bid No. RPU-7951 for the Gage 29-2R Groundwater Well Replacement Project (Phase I) to Layne Christensen Company of Redlands, California, in the amount of \$2,782,738;
2. Authorize 10% change order authority in the amount of \$278,274 for Bid No. RPU-7951 for the construction of the Gage 29-2R Groundwater Well Replacement Project (Phase I);
3. Approve an expenditure of \$64,735 from RFP No. 2224 for Hydrogeologist Construction Inspection Services for the Gage 29-2R Groundwater Well Replacement Project (Phase I);
4. Approve the capital expenditure for Work Order No. 2221271 in the amount of \$3,330,000 which includes all design, construction, construction support, contract administration, inspection and construction change order authority costs for the Gage 29-2R Groundwater Well Replacement Project (Phase I);

5. 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 in accordance with all purchasing policies; and

That the Board of Public Utilities recommend that the City Council:

6. Approve a Professional Consultant Services Agreement for Hydrogeologist Construction Inspection Services for the Gage 29-2R Groundwater Well Replacement Project (Phase I) from RFP No. 2224 with Thomas Harder and Company, Inc. of Anaheim, California, for a term through June 30, 2024, in the amount of \$64,735; and
7. Authorize the City Manager, or designee, to execute the Professional Consultant Services Agreement and any other documents necessary to effectuate the project described herein, as well as the ability to make minor non-substantive changes in accordance with all purchasing policies.

BACKGROUND:

The Riverside Public Utilities Department (RPU) operates and maintains nearly 50 active groundwater wells throughout Riverside, Colton, and San Bernardino to supply drinking water to the City of Riverside. The existing Gage 29-2 groundwater well is located in the City of San Bernardino and was constructed in 1929 at a depth of approximately 325 feet below the ground surface. Over the years, the production capacity of this well has dropped as related to the declining groundwater table in the area. At times, air entrapment has caused the well to be inoperable. The existing well is too shallow to allow for the lowering of the pumping equipment and therefore needs to be replaced with a new deeper well.

The Gage 29-2R Groundwater Well Replacement Project will be completed in two phases. The first phase, as described herein, will involve drilling a domestic water well approximately 1,200 feet deep. Staff will seek approval for the project's second phase at a future date, which will generally include equipping the well with a pump and motor, electrical and instrumentation equipment, yard piping, and a building enclosure.

DISCUSSION:

The proposed work includes drilling an approximately 1,200 feet deep domestic water well, installing a 20-inch diameter stainless steel well casing, development, test pumping, and all other necessary incidental work. In addition, the work will involve the services of a hydrogeologist who specializes in overseeing the construction of domestic groundwater wells.

Construction Contract – Bid No. RPU-7951:

Bid No. RPU-7951 was posted on the City's Online Bid System on October 13, 2022, a pre-bid conference was held on October 24, 2022, and bids were opened on November 8, 2022. Two construction contractors submitted bids.

The bids received for Bid No. RPU-7951 are summarized in the table below:

Rank	Vendor	City Location	Bid Total
1.	Layne Christensen Company	Redlands, CA	\$2,782,738
2.	Best Drilling and Pump, Inc.	Colton, CA	\$3,467,855

Engineer's Construction Cost Estimate: \$2,860,000

Professional Consultant Services Agreement – RFP No. 2224:

In a collaborative effort between RPU Water Engineering staff and the Purchasing Division, RFP No. 2224 was posted on the City's Online Bid System on July 22, 2022, seeking proposals for Hydrogeologist Construction Inspection Services for the Gage 29-2R Groundwater Well Replacement Project (Phase I). Proposals were due on August 15, 2022. Four vendors submitted proposals.

Under the guidance and oversight of the Purchasing Division's assigned representative, three RPU Water Engineering staff members evaluated the proposals. These three individuals evaluated and ranked the proposals independently and input their scores into the online evaluation portal. Upon a review of the scores by the assigned representative from the Purchasing Division, the proposal submitted by Thomas Harder and Company, Inc. ranked highest.

The proposals, along with their respective scores, submitted for RFP No. 2224 are summarized in the table below:

Vendor/City Location	Proposed Fee	Weighted Score Evaluations						
		Qualifications (25%)	Experience (20%)	Professional References (10%)	Approach and Methodology (10%)	Pricing (25%)	Total Score	Rank
Thomas Harder and Company, Inc. Anaheim, CA	\$64,735.00	250.00	200.00	92.00	200.00	250.00	992.00	1
ENGEO Incorporated San Ramon, CA	\$89,520.00	241.67	193.33	96.67	193.33	180.00	905.00	2
Geoscience Support Services, Inc. San Dimas, CA	\$101,029.00	250.00	200.00	98.00	193.33	160.00	901.33	3
Wood Rodgers, Inc. Sacramento, CA	\$87,475.00	250.00	193.33	66.00	200.00	185.00	894.33	4

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown		Total Project
Work Type:	Performed By:	Amount:
Design	Internal Staff and Miscellaneous Vendors	\$34,253
Construction	Layne Christensen Company	\$2,782,738
Construction Support	Internal Staff	\$50,000
Engineering Support, Construction Management, and Inspection	Internal Staff	\$120,000
Hydrogeologist Services	Thomas Harder and Company, Inc.	\$64,735
Construction Contingencies	N/A	\$278,274
Work Order Total:		\$3,330,000
Reimbursements:		None
Anticipated Start Date:		January 2023
Anticipated Duration:		4 Months

The table above identifies the parties that have performed and are expected to perform various portions of the project. Certain contracts with vendors valued at less than \$10,000 have not been itemized in the table for brevity. 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 of Public Utilities for consideration and action.

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 23914.

STRATEGIC PLAN ALIGNMENT:

This item contributes to **Strategic Priority 6 - Infrastructure, Mobility and Connectivity** and **Goal 6.2** – 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 replace this groundwater well 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, methods, and materials for constructing groundwater wells, helping to ensure effective operation of this groundwater well.
5. **Sustainability & Resiliency** – This project will help ensure RPU can provide reliable water service to its customers.

FISCAL IMPACT:

The total project estimate is \$3,330,000. Sufficient funds are available in the Public Utilities' Potable/Irrigation Well Replacement Account No. 6230100-470833.

Prepared by:	David A. Garcia, Utilities Assistant General Manager/Water
Approved by:	Todd M. Corbin, Utilities General Manager
Approved by:	Kris Martinez, Assistant City Manager
Approved as to form:	Phaedra A. Norton, City Attorney

Certifies availability of funds:	Edward Enriquez, Interim Assistant City Manager/Chief Financial Officer/City Treasurer
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Attachments:

1. Project Site Map
2. Award Recommendation – Bid No. RPU-7951
3. Award Recommendation – RFP No. 2224
4. Professional Consultant Services Agreement
5. Presentation