



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE: SEPTEMBER 11, 2023**

**SUBJECT: CONSTRUCTION OF THE GARFIELD AVENUE WATER MAIN REPLACEMENT PROJECT – WORK ORDER NO. 2402650 IN THE AMOUNT OF \$650,000**

**ISSUE:**

Consider approval of Work Order No. 2402650 in the total amount of \$650,000 for all engineering, construction, paving and construction contingency costs for the Garfield Avenue Water Main Replacement Project.

**RECOMMENDATION:**

That the Board of Public Utilities approve Work Order No. 2402650 in the total amount of \$650,000 for all engineering, construction, paving and construction contingency costs for the Garfield Avenue Water Main Replacement Project.

**BACKGROUND:**

The Water Division received notice that a portion of its water pipeline along Garfield Avenue in the Highgrove Community encroaches onto private property. The pipeline in question is an 8-inch cast iron water pipeline built in 1957, which Riverside Public Utilities (RPU) acquired from the East Riverside Water Company in 1959. The property where the water pipeline encroaches is being developed for residential housing by a developer and will receive water service from the Riverside Highland Water Company (RHWC). The developer for the housing project requested that RPU's water pipeline be relocated to within the public street right-of-way as soon as possible, as its current location interferes with the developer's ability to construct their required improvements. RPU surveyed the property and confirmed that the pipeline was on private property. This pipeline portion serves one RPU customer, the Highgrove elementary school. To not delay the developer and be liable for damages to the developer, RPU must expedite the relocation of the water pipeline.

Staff evaluated several options to expedite the work, such as transferring the service to RHWC, paying the developer to conduct the job, and having RPU complete the work. Moving the water service to RHWC is comparable to RPU's costs to relocate the pipeline but would need approval by the Riverside County Local Agency Formation Commission, which is a lengthy process and would delay the project. The second option is for the developer to perform the work. Although the costs for the developer to perform the work are unknown, they are expected to come at a premium given the urgency to complete the job and would require RPU Board and Council approval. The most economical and expeditious solution is for RPU field forces to relocate the pipeline.

The developer understands the steps and time for RPU to receive approval for this type of work but has informed RPU of potential delay claims if RPU does not move the pipeline promptly. As a result, the RPU General Manager authorized staff to commence efforts toward relocating the

encroaching water pipeline and to seek budgetary authorization for the work from the Board of Public Utilities at the next available Board meeting. Staff has begun the design of a replacement water pipeline and abandoned a portion of the existing water pipeline not needed by RPU to facilitate the developer's work. Only 500 feet of the current 1,300 feet long water pipeline in Garfield Avenue is required to serve RPU's needs. Therefore, the remaining 800 feet of the pipeline will be permanently abandoned by RPU and not replaced, eliminating potential costs associated with maintaining the unused pipeline segment in the future.

**DISCUSSION:**

The work generally entails the construction of approximately 500 linear feet of 8-inch Ductile Iron Pipe, two water service connections, one fire hydrant, and one system connection, along with all necessary fittings, appurtenances, and related incidental work, which will be installed according to RPU's current standards. The work also involves permanently abandoning roughly 1,300 feet of 8-inch water pipeline. The Water Division's field forces will construct the work. Besides routine service tie-overs, there will be no disruption of service.

Once the new water main is installed, RPU will be responsible for standard trench repaving in accordance with the County of Riverside standards. PW may perform trench repaving for pipeline projects constructed by the Water Division's field forces. However, if the backlog of PW projects precludes the pipeline paving from occurring on schedule, staff will solicit paving bids from RPU's Paving Contractor Panel. A budgetary estimate for the paving work has been included in this authorization.

The project/fiscal breakdown is as follows:

<b>Project and Fiscal Breakdown</b>			
<b>Work Type:</b>	<b>Performed By:</b>	<b>Amount:</b>	<b>Percent of Total:</b>
Design and Survey	Internal Staff	\$40,000	6.1%
Construction	RPU Water Field Forces	\$300,000	46.2%
Paving Budget	PW or RPU Paving Contractor Panel	\$250,000	38.5%
Construction Management, Inspection and Engineering Support	Internal Staff	\$30,000	4.6%
Construction Contingencies	N/A	\$30,000	4.6%
<b>Work Order Total:</b>		<b>\$650,000</b>	<b>100%</b>
Reimbursements:			None
<b>Anticipated Start Date:</b>			<b>August 2023</b>
<b>Anticipated Duration:</b>			<b>2 Months</b>

The table above identifies the type of work, who will perform the work, and the estimated cost for each category. If needed, additional services valued at more than \$50,000 will be solicited through a formal procurement process and brought before the Board of Public Utilities for consideration and action.

**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** – A public facing project website will be deployed for this project conveying key information about the project to the community.
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** – RPU is a prudent steward of public funds and uses efficient practices to complete its work while also providing quality public services.
4. **Innovation** – A collaborative and innovative approach was used to relocate the conflicting water facilities in such a way to minimize potential disruptions to the community in the future.
5. **Sustainability & Resiliency** – The construction materials specified for this project are considered best practices in the industry and are expected to last well into the future.

**FISCAL IMPACT:**

The total project cost is estimated at \$650,000. Sufficient funds are available in the Public Utilities’ Water Main Replacement Account No. 6230000-470707.

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Approved as to form:	Phaedra A. Norton, City Attorney

Attachments:

1. Project Location Map
2. Presentation