



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JULY 22, 2024

SUBJECT: CONSTRUCTION OF THE MARKET STREET WATER MAIN REPLACEMENT PROJECT – APPROVE THE INCREASED EXPENDITURE OF \$200,000 FOR WORK ORDER NO. 2223289 FOR A REVISED WORK ORDER TOTAL OF \$1,386,000

ISSUE:

Consider approval of the increased expenditure of \$200,000 for Work Order No. 2223289 for a revised total of \$1,386,000 for all engineering, construction, paving and construction contingency costs for the Market Street Water Main Replacement Project.

RECOMMENDATION:

That the Board of Public Utilities approve the increased expenditure of \$200,000 for Work Order No. 2223289 for a revised total of \$1,386,000 for all engineering, construction, paving and construction contingency costs for the Market Street Water Main Replacement Project.

BACKGROUND:

The Riverside Board of Public Utilities (Board) approved the construction of the Market Street Water Main Replacement Project on August 14, 2023. The work generally entails construction of approximately 1,200 linear feet of 12-inch ductile iron pipe, 15 water services, two fire hydrants, and five system connections, along with all necessary fittings, appurtenances, and related incidental work.

The pipeline work will be performed by Riverside Public Utilities (RPU) Water Division field forces, and the trench repaving work will be performed as a combined effort between the Public Works Department (PW) paving crews and the RPU Water Division Paving Panel (Panel).

DISCUSSION:

Three competitive bids were received from the Panel to repave the pipeline trenches for the subject project. All three bids exceeded the amount allowed under the Panel, rendering the bids invalid. Staff quickly evaluated other alternatives to complete the paving work. As a combined effort, PW will pave the trenches, and the final asphalt cap was rebid and will be completed by the Panel. Additional funding is requested to account for the higher-than-expected paving costs. Staff will be seeking an increase to the amount allowed under the Panel to keep up with increasing construction costs, which will be brought for consideration by the Board and Council at a future date.

Staff has coordinated with PW regarding an upcoming Sanitary Sewer Main Replacement Project on Market Street between Eleventh Street and Twelfth Street scheduled to begin in August 2024. The final asphalt cap between Eleventh Street and Twelfth Street will be performed by PW as part of the sewer project.

Additionally, encountering debris in the soil of this old section of Market Street has resulted in extra costs for disposing of existing soil and importing fresh backfill material.

Approval of the additional funds will ensure the project can proceed on schedule without exceeding the original work order authorization. The table below summarizes the additional funding request.

Project and Fiscal Breakdown					
Work Type:	Performed By:	Original Budget Amount:	Additional Budget Requested:	Revised Budget Amount:	Revised Percent of Total:
Design and Survey	Internal Staff	\$102,323	\$0	\$102,323	7.4%
Geotechnical Investigation	Converse Consultants	\$3,742	\$0	\$3,742	0.3%
Utility Potholing	Badger Daylighting Corp.	\$6,935	\$0	\$6,935	0.5%
Construction	RPU Water Field Forces	\$580,000	\$100,000	\$680,000	49.0%
Paving Budget	PW and RPU Paving Contractor Panel	\$400,000	\$100,000	\$500,000	36.1%
Construction Management, Inspection and Engineering Support	Internal Staff	\$35,000	\$0	\$35,000	2.5%
Construction Contingencies	N/A	\$58,000	\$0	\$58,000	4.2%
Totals:		\$1,186,000	\$200,000	\$1,386,000	100%

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 revised total project cost is estimated at \$1,386,000. Sufficient funds are available in the Public Utilities' Water Main Replacement Account No. 6230000-470707.

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Certified as to availability of funds:	Kristie Thomas, Finance Director/Assistant Chief Financial Officer
Approved by:	Rafael Guzman, Assistant City Manager
Approved as to form:	Phaedra A. Norton, City Attorney

Attachments:

1. Project Location Map
2. Presentation