



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: NOVEMBER 14, 2022

SUBJECT: MONTEEL PLACE WATER MAIN REPLACEMENT PROJECT – APPROVAL OF WORK ORDER NO. 2225902 IN THE AMOUNT OF \$234,000

ISSUE:

Consider approving Work Order No. 2225902 in the amount of \$234,000 for all engineering, construction, paving and construction contingency costs for the Monteel Place Water Main Replacement Project.

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 2225902 in the amount of \$234,000 for all engineering, construction, paving and construction contingency costs for the Monteel Place Water Main Replacement Project.

BACKGROUND:

Riverside Public Utilities (RPU) budgets annually to replace high-priority water pipelines that have reached their end-of-life. An end-of-life determination is based on parameters such as pipeline age, material, and maintenance records via a Business Risk Exposure (BRE) model, which identifies high-risk water distribution pipeline segments needing replacement. The BRE model has proven valuable in identifying and prioritizing water main replacement projects and was presented on October 13, 2021, to the RPU Water Committee.

The Monteel Place Water Main Replacement Project was identified through the BRE model as an old, high-priority water main needing replacement. The current water pipeline consists of an existing 4-inch cast iron water pipeline installed in 1963. Since 1997, the pipeline has experienced 14 leaks. Replacement of this pipeline will ensure water system reliability and increase fire flow in this area.

DISCUSSION:

The work generally entails the construction of approximately 435 linear feet of 6-inch Polyvinyl Chloride (PVC) pipe, 15 water services, one system connection, and all necessary fittings appurtenances, and related incidental work, which will be installed according to RPU's current standards. 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 Public Works Department's (PW) standards. Staff expects cost-savings for the paving for this project as PW will be performing pavement rehabilitation on this street as part of their Fiscal Year 2019/20 street improvement projects, anticipated to begin in early 2023. RPU will be responsible for restoring the pavement within the pipeline trench areas, but PW will complete the final asphalt cap as part of their street rehabilitation work. 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 is included in this authorization.

The work for this project will occur during daytime business hours per the PW protocols established for this project. Staff will inform residents and the public of this project by sending out a notification letter and posting the project on the Citywide project informational website through the City Manager's Office, Office of Communications. Continual updates to residents will occur throughout the duration of the project.

The project/fiscal breakdown is as follows:

Work Type:	Performed By:			Amount:
Design, Geotechnical Investigation, and Survey	Internal Staff and Miscellaneous Vendors			\$20,300
Construction	RPU Water Field Forces	Labor	\$48,000	\$117,000
		Equipment	\$20,000	
		Materials	\$49,000	
Paving Budget	PW or RPU Paving Contractor Panel			\$65,000
Construction Management, Inspection and Engineering Support	Internal Staff			\$20,000
Construction Contingencies	N/A			\$11,700
Work Order Total:		\$234,000		
Reimbursements:	None			
Anticipated Start Date:	January 2023			
Anticipated Duration:	2 Months			

The table above identifies the type of work, who will perform the work and the estimated cost for each category. Specific contracts with vendors valued at less than \$10,000 have not been itemized in the table for brevity. If needed, additional services valued at more than \$50,000 will be solicited through the 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 \$234,000. Sufficient funds are available in the Public Utilities' Water Main Replacement Account No. 6230000-470707.

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 Location Map
2. Presentation