



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JANUARY 10, 2022

SUBJECT: CONSTRUCTION OF THE OLEANDER COURT WATER MAIN REPLACEMENT AND PRESSURE REZONING PROJECT – WORK ORDER NO. 2105984 IN THE AMOUNT OF \$660,000

ISSUE:

Consider approval of Work Order No. 2105984 in the total amount of \$660,000 for all engineering, construction, paving and construction contingency costs for the Oleander Court Water Main Replacement and Pressure Rezoning Project.

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 2105984 in the total amount of \$660,000 for all engineering, construction, paving and construction contingency costs for the Oleander Court Water Main Replacement and Pressure Rezoning Project.

BACKGROUND:

Riverside Public Utilities (RPU) budgets annually for the replacement of certain high-priority water pipelines which have been determined to have reached end of life. This determination is made based on parameters such as age, material, and maintenance records.

The Oleander Court Water Main Replacement and Pressure Rezoning Project is part of RPU's ongoing water main replacement program to replace old and high-priority water mains. The project area consists of existing 4-inch cast iron and 2.5-inch galvanized water mains that were installed in 1958 and 1976, respectively. These pipelines currently comprise the Oleander 1300 Pressure Zone and are supplied from the Whitegates 1400 Pressure Zone via a pressure reducing valve. The existing 2.5-inch galvanized pipe lies within easements on private properties, making maintenance and repairs difficult. This project will convert the Oleander 1300 Pressure Zone to the Whitegates 1400 Pressure Zone, facilitating the abandonment of the old pipelines currently located within easements. The Oleander 1300 Pressure Zone was identified as an area of deficiency in the Integrated Water Management Plan.

Based on their leak history, age, size, and maintenance limitations, these water pipelines have been identified as high priorities for replacement to enhance the reliability of the water system and enhance fire flow. In addition, by completing this project at this time, RPU has an opportunity to save on paving costs in conjunction with the Public Works Department (PW) paving project of Oleander Court and a portion of Hawarden Drive which is included in the PW Fiscal Year 2019/20

SB-1 Street Maintenance and Traffic Improvements Project (Phase II), anticipated in summer of 2022.

DISCUSSION:

The work generally entails the construction of approximately 2,000 linear feet of 8-inch ductile iron pipe (DIP), seven water services and pressure reducing valves, one fire hydrant, and two system connections, along with all necessary fittings, appurtenances, and related incidental work. The new water facilities will be installed according to RPU's current standards.

The work identified will be constructed by the Water Division's field forces. Other than routine service tie-overs, the work will not disrupt service to RPU water customers.

Once the new water mains are installed, RPU will be responsible for standard trench repaving in accordance with the PW 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 to occur 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.

Staff has coordinated with PW regarding the allowable working hours for this project. The work will occur during daytime work hours. Staff is coordinating with the Office of Communications Division of the City Manager's Office to establish a project informational website. Additionally, a notification letter will be mailed to customers within the surrounding area upon Board approval of the project. Staff will continue to reach out directly to customers within the vicinity of the project throughout the project duration.

The project/fiscal breakdown is as follows:

Work Type:	Performed By:			Project Costs:
Design and Survey	Internal Staff			\$85,000
Construction	RPU Water Field Forces	Labor	\$152,000	\$365,000
		Equipment	\$33,000	
		Materials	\$180,000	
Paving Budget	PW or RPU Paving Contractor Panel			\$150,000
Construction Management, Inspection and Engineering Support	Internal Staff			\$23,500
Construction Contingencies	N/A			\$36,500
Work Order Total:		\$660,000		
Reimbursements:	None			
Anticipated Start Date:	February 2022			
Anticipated Duration:	3 Months			

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

STRATEGIC PLAN ALIGNMENT:

This item contributes to Strategic Priority No. 6 *Infrastructure, Mobility & Connectivity* and Goal No. 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. The ductile iron pipe to be used for this project is sourced from recycled materials.

FISCAL IMPACT:

The total project cost is \$660,000. Sufficient funds are available in the Public Utilities’ Water Main Replacement Account No. 6230000-470707.

Prepared by:	Oscar A. Khoury, Engineering Manager
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, Chief Financial Officer/City Treasurer
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Attachments:

1. Project Site Map
2. Presentation