



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 24, 2019

ITEM NO: 11

SUBJECT: **WELLS AND CYPRESS WATER MAIN REPLACEMENT PROJECT (PHASE 1) – 7,475 FEET OF NEW POTABLE WATER PIPELINE – WORK ORDER NO. 1706279 IN THE TOTAL AMOUNT OF \$2,450,000**

ISSUE:

Approve Work Order No. 1706279 in the total amount of \$2,450,000 for all design, construction, paving, and construction contingency costs for the Wells and Cypress Water Main Replacement Project (Phase 1).

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 1706279 in the total amount of \$2,450,000 for all design, construction, paving, and construction contingency costs for the Wells and Cypress Water Main Replacement Project (Phase 1).

BACKGROUND:

On July 10, 2017, the Riverside Board of Public Utilities (Board) received a report outlining planned Electric and Water capital improvement projects for fiscal year 2017/18, which included the Wells and Cypress Water Main Replacement Project that entails replacing roughly 3.7 miles of water mains. Due to the reprioritization of projects, this project has been divided into three (3) phases to fit within the budgetary allotments of upcoming fiscal years and to coincide with the planned schedule for Public Works paving projects.

The Wells and Cypress Water Main Replacement Project (Phase 1) is part of Riverside Public Utilities (RPU) ongoing water main replacement program to replace old and high priority leaky mains. The project area consists of existing 2, 4, 6, and 8-inch steel, cast iron, and asbestos cement water mains that were installed between 1926 and 1972. Based on their leak history, age, and size, these water pipelines have been identified as high priority pipelines for replacement to enhance system reliability and improve fire flow capacity.

This project will occur ahead of the Public Works Department's (PW) fiscal years 2019/20 and 2020/21 Arterial and Minor Streets Maintenance Projects that entail resurfacing several streets throughout the City. As currently planned, PW project will include the streets covered by this water main replacement project (FY2019/20 – Eddystone Street and Singleton Way; FY2020/21 – Orlando Drive, Citadel Court, Temecula Place, Galway Court, Silverado Place, Remington Drive, Modesto Drive and Daniel Drive). Collaborating with PW provides an opportunity to reduce RPU's overall paving costs.

Subsequent phases of this project will be brought for consideration to the Board in future fiscal years.

This project is in line with RPU's infrastructure road map and Utility 2.0, and directly benefits RPU water customers within the vicinity of the project in terms of system reliability and improved fire protection.

DISCUSSION:

The work will generally entail the construction of approximately 6,700 linear feet of 8-inch ductile iron pipe, 55 linear feet of 6-inch ductile iron pipe, 720 linear feet of 4-inch ductile iron pipe, 220 water services, 20 fire hydrants and nine 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 and is not expected to disrupt service to RPU water customers.

Once the new water mains are installed, RPU will be responsible for standard trench repaving per 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 slightly modified daytime work hours to coincide with off-peak travel times.

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown		
Work Type:	Performed By:	Amount:
Planning and Design	Internal Staff	\$106,565
Geotechnical Investigation	GeoMat Testing Laboratories, Inc.	\$16,935
Construction	RPU Water Field Forces	\$1,615,000
Paving Budget	PW or RPU Paving Contractor Panel	\$500,000
Construction Management, Inspection, Materials Testing and Engineering Support	Internal Staff and Consultant Panel	\$50,000
Construction Contingencies	N/A	\$161,500
Work Order Total:		\$2,450,000
Reimbursements:	None	
Anticipated Start Date:	July 2019	
Anticipated Duration:	6 months	

The table identifies the parties that have performed and are expected to perform various portions of the project. Should there be a need to seek additional services using the formal procurement process; such items in excess of \$50,000 will be brought before the Board for consideration and action.

FISCAL IMPACT:

The total estimated project cost is \$2,450,000. Sufficient funds are available in the Public Utilities Water Main Replacement Account No. 6230000-470707 for fiscal year 2019/20.

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Approved by: Todd M. Corbin, Utilities General Manager
Approved by: Al Zelinka, FAICP, City Manager
Approved as to form: Gary G. Geuss, City Attorney

Certifies availability
of funds: Brian Seinturier, Utilities Fiscal Manager

Attachments:

1. Project Site Map
2. Presentation