



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JULY 12, 2021

SUBJECT: CONSTRUCTION OF THE GARFIELD AND OVERLAND WATER MAIN REPLACEMENT PROJECT (PHASE II) – WORK ORDER NO. 2104921 IN THE AMOUNT OF \$1,425,000

ISSUE:

Consider approval of Work Order No. 2104921 in the total amount of \$1,425,000 for all engineering, construction, paving and construction contingency costs for the Garfield and Overland Water Main Replacement Project (Phase II).

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 2104921 in the total amount of \$1,425,000 for all engineering, construction, paving and construction contingency costs for the Garfield and Overland Water Main Replacement Project (Phase II).

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 Garfield and Overland Water Main Replacement Project (Phase II) is part of RPU's ongoing water main replacement program to replace old and high-priority water mains. The project area consists of existing 6-inch cast iron water mains that were installed in the 1950's. Based on their leak history, age and size, these water pipelines have been identified as high-priority pipelines for replacement to enhance the reliability of the water system.

Phase I of this project was approved by the Riverside Board of Public Utilities on December 14, 2020 and was recently completed.

DISCUSSION:

The project generally entails the construction of approximately 4,000 linear feet of 8-inch polyvinyl chloride (PVC) pipe, 111 water services, 13 fire hydrants and 7 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 personnel. 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 Public Works Department (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, with slightly modified hours while working in the vicinity of Chemawa Middle School and Sherman Indian High School to coincide with off-peak times, when school is in session.

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown		
Work Type:	Performed By:	Total Project Amount:
Design and Survey	Internal Staff	\$60,000
Construction	RPU Water Field Forces	\$800,000
Paving Budget	PW or RPU Paving Contractor Panel	\$450,000
Construction Management, Inspection and Engineering Support	Internal Staff	\$20,000
Geotechnical and Materials Testing	Vendor to be Determined (Informal Procurement)	\$15,000
Construction Contingencies	N/A	\$80,000
Work Order Total:		\$1,425,000
Reimbursements:		None
Anticipated Start Date:		August 2021
Anticipated Duration:		5 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 in excess of \$50,000 will be brought before the Board for consideration and action.

FISCAL IMPACT:

The total amount for Work Order No. 2104921 is \$1,425,000. 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: Al Zelinka, FAICP, City Manager
Approved as to form: Kristi J. Smith, Interim City Attorney

Certifies availability
of funds: Edward Enriquez, Chief Financial Officer/City Treasurer

Attachments:
1. Project Site Map
2. Presentation