



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JULY 28, 2025

SUBJECT: CONSTRUCTION OF THE DUNDEE ROAD WATER PIPELINE REPLACEMENT PROJECT IN THE AMOUNT OF \$2,261,000 – WORK ORDER NO. 2108105

ISSUE:

Consider approval of Work Order No. 2108105 in the total amount of \$2,261,000 for all engineering, construction, paving and construction contingency costs for the Dundee Road Water Pipeline Replacement Project.

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 2108105 in the total amount of \$2,261,000 for all engineering, construction, paving and construction contingency costs for the Dundee Road Water Pipeline Replacement Project.

BACKGROUND:

Water Division staff budget and schedule the replacement of water distribution pipelines annually based on several factors using a prioritization model that considers pipeline age, material, maintenance records, and the criticality of each pipeline segment of the water distribution system.

The subject project is part of an ongoing water main replacement program to replace old and high-priority water mains. The project area consists of 4-inch and 6-inch diameter cast iron and asbestos cement water pipelines installed in the 1950's and 1970's. The pipelines have experienced nineteen reported leaks, of which eight have occurred in the past ten years. These water pipelines rank high for replacement based on their leak history, age, material, and size. Replacing these pipelines ensures continued water system reliability.

The project location map attached illustrates the locations of replaced pipelines, as well as upcoming projects in the area immediately surrounding this one.

DISCUSSION:

The work generally entails the construction of approximately 3,185 linear feet of 8-inch diameter Polyvinyl Chloride (PVC) pipe, 20 linear feet of 6-inch diameter Polyvinyl Chloride (PVC) pipe, 230 linear feet of 4-inch diameter Polyvinyl Chloride (PVC) pipe, seventy-three (73) water

services, six (6) fire hydrants, and six (6) system connections, along with 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. Other than routine service tie-overs, there will be no disruption of water service.

The City of Riverside has a longstanding practice of constructing water pipeline replacement projects using internal crews. This practice was reaffirmed by the City Council through their adoption of Resolution No. 24224 on February 25, 2025.

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 from occurring 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.

Water Division staff have coordinated with PW regarding allowable working hours for this project. The work will occur during normal daytime work hours. Staff are coordinating with the City's Marketing and Communications Department to establish a project informational website. Additionally, a notification letter will be mailed to customers within the surrounding area upon 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:

Project and Fiscal Breakdown					
Work Type:	Performed By:			Amount:	Percent of Total:
Design and Survey	Internal Staff			\$101,108	4.5%
Geotechnical Investigation	AESCO, Inc.			\$24,892	1.1%
Construction	RPU Water Field Forces	Labor	\$412,000	\$1,050,000	46.4%
		Equipment	\$202,000		
		Materials	\$436,000		
Paving Budget	PW or Paving Contractor Panel			\$800,000	35.4%
Construction Management, Inspection, and Engineering Support	Internal Staff			\$75,000	3.3%
Soil Compaction and Material Testing	Outside Vendor, Informal Procurement			\$25,000	1.1%
Construction Contingencies	N/A			\$185,000	8.2%
Work Order Total:				\$2,261,000	100.0%
Reimbursements:					None

Project and Fiscal Breakdown	
Anticipated Start Date:	August 2025
Anticipated Duration:	7 Months

The table above identifies the type of work, who will perform the work and the estimated cost for each category. If needed, additional services valued at more than \$50,000 will be solicited using the formal procurement process and brought before the Board of Public Utilities for consideration and action.

FISCAL IMPACT:

The total project cost is estimated at \$2,261,000. Sufficient funds are available in the Public Utilities' Water Main Replacement Account No. 6230000-470707.

Prepared by:	Robin Glenney, Utilities Assistant General Manager/Water
Approved by:	David A. Garcia, Utilities General Manager
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:	Rebecca McKee-Reimbold, Interim City Attorney

Attachments:

1. Project Location Map
2. Resolution No. 24224
3. Presentation