



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 6, 2016

ITEM NO: 6
File ID – 16-1724 – Consent

SUBJECT: **CONSTRUCTION OF THE ARLINGTON AVENUE AND WESTERN AVENUE WATER MAIN REPLACEMENT PROJECT CONSTRUCTION BY CITY FORCES – WORK ORDER NO. 1515609 FOR \$1,241,000**

ISSUE:

The issue for Board of Public Utilities consideration is to approve a capital expenditure in the amount of \$1,241,000 for Work Order No. 1515609 to construct the Arlington Avenue and Western Avenue Water Main Replacement Project.

RECOMMENDATION:

That the Board of Public Utilities approve a capital expenditure of \$1,241,000 for Work Order No. 1515609 which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Arlington Avenue and Western Avenue Water Main Replacement Project.

BACKGROUND:

On September 4, 2015, the Board of Public Utilities (Board) received a report of planned routine infrastructure projects over \$500,000 for fiscal year 2015/16. One of the projects discussed was the planned construction of the Arlington Avenue and Western Avenue Water Main Replacement Project. This project is in line with Riverside Public Utilities' (RPU) 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.

The construction of the Arlington Avenue and Western Avenue Water Main Replacement Project is part of RPU's ongoing water main replacement program to replace old and high priority leaky mains. The project area consists of existing 4 and 6-inch steel and asbestos cement (AC) water mains that were installed between 1948 and 1962. Based on their leak history, age and size, these water pipelines have been identified as high priorities for replacement to enhance system reliability and increase fire flow.

The work will generally entail the construction of approximately 3,500 linear feet of 8 and 12-inch ductile iron pipe, nine fire hydrants, 78 service replacements and nine system connections along with all necessary fittings and appurtenances. The work also involves the abandonment of approximately 3,000 linear feet of old 8-inch steel water main in Arlington Avenue. The twelve existing water services on this main will be tied over to a parallel 12-inch AC cement water main. 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, this project is not expected to disrupt service to RPU water customers.

Once the new water pipelines are installed, RPU will be responsible for standard trench repaving per the Public Works Department (PW) standards. Trench repaving for pipeline projects constructed by the water field forces may be performed by the PW streets division. However, if the backlog of streets division projects precludes the 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 the project. The work will occur during normal daytime working hours. However, when school is in session, work hours will be adjusted to off-peak times for the work occurring in the immediate vicinity of Loma Vista Middle School and Rosemary Kennedy Elementary School to minimize impact to the schools.

The project breakdown is as follows:

Project Breakdown:	
Engineering Performed By:	RPU Engineering staff
Construction Performed By:	<ul style="list-style-type: none"> ▪ RPU Field Forces (Pipeline) ▪ Contractor Panel or PW Crews (Paving)
Anticipated Start Date:	July 2016
Anticipated Duration:	6 months
Coordination Required With:	<ul style="list-style-type: none"> ▪ RPU Field Forces ▪ Public Works
Reimbursements:	None

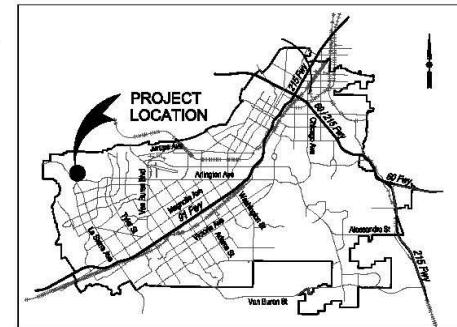
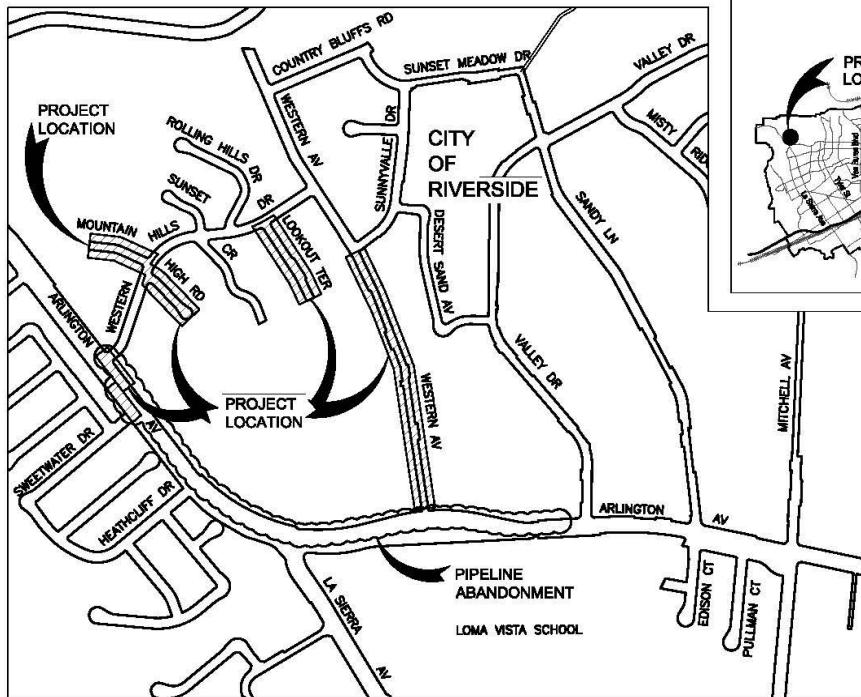
The total capital expenditure for Work Order No. 1515609 is estimated to be \$1,241,000 as summarized in the following table:

Description	Cost	Percent of Total
Design	\$80,000	6.5%
Construction (City Forces)	\$760,000	61.2%
Construction Contingencies	\$76,000	6.1%
Paving Budget	\$300,000	24.2%
Construction Management and Inspection	\$25,000	2.0%
Work Order Total	\$1,241,000	100.00%

FISCAL IMPACT:

Sufficient funds are available in the Public Utilities' Water Main Replacement Account No. 6230000-470707.

Prepared by: Todd L. Jorgenson, Public Utilities Assistant General Manager/Water
 Approved by: Girish Balachandran, Public Utilities General Manager
 Approved by: John A. Russo, City Manager
 Approved as to form: Gary G. Geuss, City Attorney
 Certifies availability
 of funds: Laura Chavez-Nomura, Public Utilities General Manager/Finance



CITY MAP



**ARLINGTON & WESTERN
WATER MAIN REPLACEMENT PROJECT
LOCATION MAP**

