



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JULY 10, 2015

ITEM NO: 12

File ID – 15-2157 - D

SUBJECT: CONSTRUCTION OF THE VALVERDA WATER MAIN REPLACEMENT PROJECT –
WORK ORDER NO. 1503563 FOR \$1,727,000

ISSUE:

The issue for Board of Public Utilities consideration is to approve a capital expenditure in the amount of \$1,727,000 for Work Order No. 1503563 to construct the Valverda Water Main Replacement Project.

RECOMMENDATION:

That the Board of Public Utilities approve a capital expenditure of \$1,727,000 for Work Order No. 1503563, which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Valverda Water Main Replacement Project.

BACKGROUND:

The construction of the Valverda Water Main Replacement Project 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-inch, 3-inch, 4-inch and 6-inch steel and asbestos cement water mains that were installed between 1944 and 1959, and have required numerous repairs due to leaks over the past several years. Based on their leak history and size, these water pipelines have been identified as high priorities for replacement to increase system reliability and increase fire flow.

The work will generally entail the construction of approximately 5,500 linear feet of 8-inch and 250 linear feet of 4-inch ductile iron pipe, 14 fire hydrants, 107 service tie-overs and eight system connections, along with all necessary fittings and appurtenances. The new water facilities will be installed according to RPU's current standards, and certain sections of old pipelines crossing private property will be abandoned. The existing water customers along Quiet Lane are currently served by a 4-inch water pipeline in the rear alley. The water services for these customers will be switched to the front side of the homes, 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. Staff will solicit paving bids for resurfacing the trench area from RPU's Paving Contractor Panel. A budgetary estimate for the paving work has been included in this authorization.

The project breakdown is as follows:

Project Breakdown:	
Engineering Performed By:	RPU Engineering staff
Construction Performed By:	RPU Field Forces
Anticipated Start Date:	August 2015
Anticipated Duration:	6 months
Coordination Required With:	<ul style="list-style-type: none"> ▪ RPU Field Forces ▪ Public Works
Reimbursements:	None

FISCAL IMPACT:

The total capital expenditure for Work Order No. 1503563 is estimated to be \$1,727,000, as summarized in the following table:

Description	Cost	Percent of Total
Design	\$102,000	5.9%
Construction (City Forces)	\$1,135,000	65.7%
Construction Contingencies	\$100,000	5.8%
Paving Budget	\$350,000	20.3%
Construction Management and Inspection	\$40,000	2.3%
Work Order Total	\$1,727,000	100.0%

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

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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
Attachment:	Project Site Map