



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** JULY 10, 2015

**ITEM NO:** 5

File ID – 15-2152 - C

**SUBJECT: CONSTRUCTION OF THE TYLER AND BONITA WATER MAIN RELOCATION PROJECT – WORK ORDER NO. 1522517 FOR \$176,000**

**ISSUE:**

The issue for Board of Public Utilities consideration is to approve a capital expenditure in the amount of \$176,000 for Work Order No. 1522517 to construct the Tyler and Bonita Water Main Relocation Project.

**RECOMMENDATION:**

That the Board of Public Utilities approve a capital expenditure of \$176,000 for Work Order No. 1522517, which includes all design, construction, contract administration, inspection and construction contingency costs for the Tyler and Bonita Water Main Relocation Project.

**BACKGROUND:**

The Public Works Department (PW) is scheduled to perform a street improvement project along Tyler Street between Hole Avenue and Wells Avenue beginning in summer 2015 and lasting approximately nine months. The project will generally entail widening the roadway and installation of new concrete curb, gutter and sidewalk at various locations, new asphalt pavement, intersection improvements and raised street medians.

A portion of the existing water pipeline within Tyler Street and Bonita Avenue is in conflict with the proposed street improvements and needs to be relocated at a deeper depth to accommodate the improvements in that area. This water main replacement project was developed in close collaboration with PW in order to coordinate the street widening and water main replacements. Other segments of the existing water pipelines within Tyler Street that are not in conflict with the ultimate condition will be protected in place by the PW contractor during construction.

The work will generally entail the construction of approximately 320 linear feet of 12-inch ductile iron pipe and 105 linear feet of 8-inch ductile iron pipe, two fire hydrants, one service tie-over and three system connections, along with all necessary fittings and appurtenances. The work will involve abandoning portions of existing 6-inch and 12-inch asbestos cement water mains that were installed in 1958 and 1960, respectively. 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's water customers.

In order to save on trench resurfacing costs, the work of this project will be coordinated and timed such that the final pavement resurfacing can be completed by PW's contractor as part of the overall street improvement project.

Staff has coordinated with PW regarding the allowable working hours for the project. The work is scheduled to occur during regular daytime working hours with certain portions of the work occurring at nighttime to minimize disruptions to motorists traveling in the project vicinity along this major arterial roadway.

The project breakdown is as follows:

<b>Project Breakdown:</b>	
Engineering Performed By:	RPU Engineering staff
Construction Performed By:	RPU Field Forces
Anticipated Start Date:	Exact start date to be coordinated with the PW Contractor's construction schedule
Anticipated Duration:	1 month
Coordination Required With:	<ul style="list-style-type: none"> <li>▪ RPU Field Forces</li> <li>▪ Public Works</li> <li>▪ Public Works Contractor</li> </ul>
Reimbursements:	None

**FISCAL IMPACT:**

The total capital expenditure for Work Order No. 1522517 is estimated to be \$176,000, as summarized in the following table:

<b>Description</b>	<b>Cost</b>	<b>Percent of Total</b>
Design	\$8,000	4.5%
Construction (City Forces)	\$130,000	73.9%
Construction Contingencies	\$13,000	7.4%
Construction Support	\$25,000	14.2%
<b>Work Order Total</b>	<b>\$176,000</b>	<b>100.0%</b>

Sufficient funds are available in the Public Utilities' Street Improvement Account No. 6230000-470734.

Prepared by: Todd L. Jorgenson, Public Utilities Interim 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  
 Attachment: Project Site Map