



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

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**BOARD OF PUBLIC UTILITIES****DATE: MAY 22, 2017****ITEM NO: 10**

**SUBJECT:** **CONSTRUCTION OF THE GLENWOOD DRIVE WATER MAIN RELOCATION PROJECT – WORK ORDER NO. 1718758 FOR \$117,000 – 300 FEET OF PIPELINE BY CITY FORCES**

**ISSUE:**

Approve the expenditure in the amount of \$117,000 for Work Order No. 1718758 which includes all design, construction, paving and construction contingency costs for the Glenwood Drive Water Main Relocation Project.

**RECOMMENDATION:**

That the Board of Public Utilities approve the expenditure of \$117,000 for Work Order No. 1718758, which includes all design, construction, paving and construction contingency costs for the Glenwood Drive Water Main Relocation Project.

**BACKGROUND:**

The Riverside Public Works Department (PW) will be constructing a sedimentation basin at the corner of Glenwood Drive and San Andreas Avenue to help prevent storm runoff from Mount Rubidoux from causing erosion and debris flows downstream. The proposed access road for the sedimentation basin will be in conflict with a small portion of an existing 6-inch cast iron water main owned by Riverside Public Utilities (RPU). In order to clear the way for their project, PW requested that RPU relocate the interfering segment of water pipeline by summer of 2017.

In addition to relocating the short segment of water pipe needed for PW's project, the scope of work was expanded to include the relocation of an additional segment of old 6-inch cast iron water pipe that was installed in 1936 to within the roadway area.

**DISCUSSION:**

The water main relocation work will entail constructing approximately 300 linear feet of 8-inch ductile iron pipe, installing one fire hydrant, two system connections and all related appurtenances. The work will also entail abandonment of the approximately 300 linear feet segment of existing 6-inch cast iron water pipeline within Glenwood Drive that was installed in 1936.

The work identified will be constructed by the Water Division's field forces and will not affect water service to RPU water customers.

Once the new water pipelines are installed, RPU will be responsible for standard trench repaving per the PW standards. Trench repaving for this project will be completed by the PW streets division. 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 and the work will occur during normal daytime working hours.

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:	June 2017
Anticipated Duration:	3 Weeks
Coordination Required With:	<ul style="list-style-type: none"><li>▪ RPU Field Forces</li><li>▪ Public Works</li></ul>
Reimbursements:	Public Works (\$7,500)

The total capital expenditure for Work Order No. 1718758 is estimated to be \$117,000, as summarized in the following table:

<b>Description</b>	<b>Cost</b>	<b>Percent of Total</b>
Design	\$9,000.00	7.7%
Construction (City Forces)	\$73,000.00	62.4%
Construction Contingencies	\$10,000.00	8.5%
Paving Budget	\$25,000.00	21.4%
<b>Work Order Total</b>	<b>\$117,000.00</b>	<b>100.0%</b>

At the conclusion of the project, PW will reimburse RPU \$7,500 for their share of the pipeline relocation cost.

#### **FISCAL IMPACT:**

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

Prepared by: Todd L. Jorgenson, Utilities Assistant General Manager/Water

Approved by: Girish Balachandran, 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, Utilities Assistant General Manager/Finance

Attachment: Presentation

