



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** OCTOBER 2, 2015

**ITEM NO:** 7

File ID – 15-3128 – C

**SUBJECT:** CONSTRUCTION OF THE CREST AVENUE AND HEDRICK AVENUE WATER MAIN RELOCATION PROJECT – WORK ORDER NO. 1522100 FOR \$123,000

**ISSUE:**

The issue for Board of Public Utilities consideration is to approve a capital expenditure in the amount of \$123,000 for Work Order No. 1522100 to construct the Crest Avenue and Hedrick Avenue Water Main Relocation Project.

**RECOMMENDATION:**

That the Board of Public Utilities approve a capital expenditure of \$123,000 for Work Order No. 1522100, which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Crest Avenue and Hedrick Avenue Water Main Relocation Project.

**BACKGROUND:**

The Riverside Transmission Reliability Project (RTRP) is a joint project with Southern California Edison (SCE) which provides Riverside Public Utilities (RPU) a second connection to the state electric transmission grid to address long-term capacity and reliability needs of the City's electric utility system. SCE's portion of the project includes construction of approximately 10 miles of double-circuit 230kV transmission lines and a 230kV switchyard. RPU's portion of the project includes the installation of approximately 10 miles of 69kV sub-transmission lines, construction of a new substation, improvements to five existing substations, relocation of existing distribution lines and installation of new telecommunication lines.

A segment of the proposed 69kV improvements are in conflict with an existing 4-inch Asbestos Cement (AC) water main located in the parkway near the intersection of Crest Avenue and Hedrick Avenue and needs to be relocated in advance of the RTRP. In order to facilitate the water main relocation, a new pipeline will be constructed within Crest Avenue, which will enable the abandonment of approximately 330 linear feet of existing 4-inch and 6-inch 1950's vintage AC water pipeline in the parkways of Crest and Hedrick Avenues.

The water main relocation work will generally entail the construction of approximately 300 linear feet of 8-inch ductile iron pipe, one fire hydrant, two water services and two system connections, along with all necessary fittings and appurtenances. These new improvements will allow approximately 330 linear feet of existing 4-inch and 6-inch AC pipeline to be abandoned.

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.

Staff has coordinated with PW regarding the allowable working hours for the project. The work will occur during normal daytime working hours.

The portion of this water pipeline relocation project necessitated by the RTRP will be funded from RPU's Electrical Capital Account. The remaining portion will be funded from RPU's Water Main Replacement Account.

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:	November 2015
Anticipated Duration:	2 months
Coordination Required With:	<ul style="list-style-type: none"> <li>▪ RPU Field Forces</li> <li>▪ Public Works</li> </ul>
Reimbursements:	RPU Electric Division

#### **FISCAL IMPACT:**

The total capital expenditure for Work Order No. 1522100 is estimated to be \$123,000, as summarized in the following table:

<b>Description</b>	<b>Cost</b>	<b>Percent of Total</b>
Design	\$7,600	6.2%
Construction (City Forces)	\$75,400	61.3%
Construction Contingencies	\$10,000	8.1%
Paving Budget	\$25,000	20.3%
Construction Management and Inspection	\$5,000	4.1%
<b>Work Order Total</b>	<b>\$123,000</b>	<b>100.0%</b>

Sufficient funds are available in the Public Utilities' Water Main Replacement Account No. 6230000-470707 (\$53,000) and the Public Utilities' Electrical Capital Account No. 6130000-470685 (\$70,000).

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