



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** JUNE 6, 2016

**ITEM NO:** 11

File ID – 16-1728 – Discussion

**SUBJECT:** CONSTRUCTION OF THE AMBS DRIVE WATER MAIN REPLACEMENT PROJECT  
CONSTRUCTION BY CITY FORCES – WORK ORDER NO. 1515505 FOR \$1,523,000

**ISSUE:**

The issue for Board of Public Utilities consideration is to approve a capital expenditure in the amount of \$1,523,000 for Work Order No. 1515505 to construct the Ambs Drive Water Main Replacement Project.

**RECOMMENDATION:**

That the Board of Public Utilities approve a capital expenditure of \$1,523,000 for Work Order No. 1515505 which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Ambs Drive Water Main Replacement Project.

**BACKGROUND:**

The construction of the Ambs Drive 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, 4 and 6-inch steel and asbestos cement (AC) water mains that were installed between 1935 and 1974. 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 5,200 linear feet of 8-inch ductile iron pipe, 15 fire hydrants, 65 service replacements and seven system connections along with all necessary fittings and appurtenances. The new water facilities will be installed according to RPU's current standards, and a short segment of existing 4-inch AC water pipeline situated on private property at the end of Herman Drive will 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. 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 generally 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 Phillip M. Stokoe Elementary School to minimize impact to the school.

The project breakdown is as follows:

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

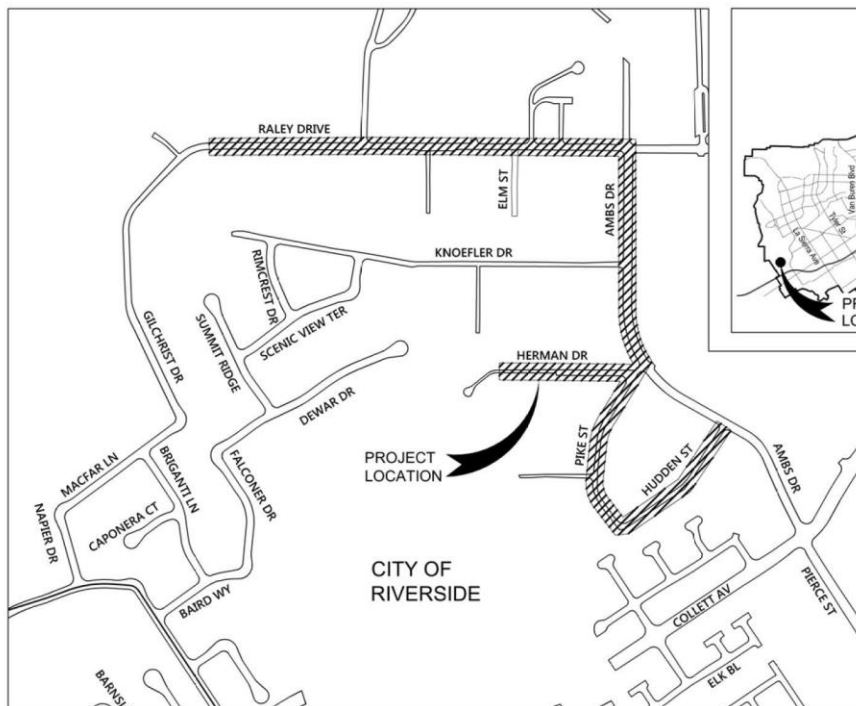
The total capital expenditure for Work Order No. 1515505 is estimated to be \$1,523,000 as summarized in the following table:

<b>Description</b>	<b>Cost</b>	<b>Percent of Total</b>
Design	\$98,000	6.4%
Construction (City Forces)	\$950,000	62.4%
Construction Contingencies	\$95,000	6.2%
Paving Budget	\$350,000	23.0%
Construction Management and Inspection	\$30,000	2.0%
<b>Work Order Total</b>	<b>\$1,523,000</b>	<b>100.0%</b>

### **FISCAL IMPACT:**

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

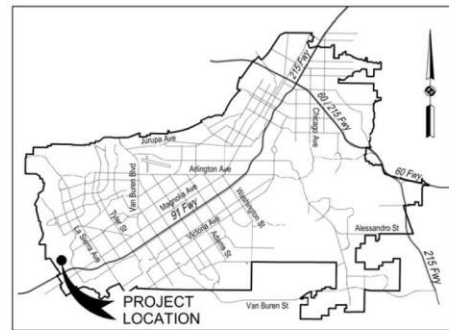
Prepared by:	Todd L. Jorgenson, Public Utilities Assistant General Manager/Water
Approved by:	Girish Balachandran, Public Utilities General Manager
Approved by:	John A. Russo, City Manager
Approved as to form:	Gary G. Geuss, City Attorney
Certifies availability of funds:	Laura Chavez-Nomura, Public Utilities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



COUNCIL WARD 7

AMBS DRIVE  
WATER MAIN REPLACEMENT PROJECT

LOCATION MAP



CITY MAP

