



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: OCTOBER 16, 2015

ITEM NO: 9

File ID – 15-3242 – D

SUBJECT: CONSTRUCTION OF THE CENTRAL AVENUE WATER MAIN REPLACEMENT PROJECT (PALM TO BELINDA) – WORK ORDER NO. 1602896 FOR \$790,000

ISSUE:

The issue for Board of Public Utilities consideration is to approve a capital expenditure in the amount of \$790,000 for Work Order No. 1602896 to construct the Central Avenue Water Main Replacement Project (Palm to Belinda).

RECOMMENDATION:

That the Board of Public Utilities approve a capital expenditure of \$790,000 for Work Order No. 1602896, which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Central Avenue Water Main Replacement Project (Palm to Belinda).

BACKGROUND:

The Riverside Public Works Department (PW) is scheduled to perform pavement improvements along Central Avenue between Streeter Avenue and Brockton Avenue as part of their arterial roadway maintenance program. The pavement improvements are scheduled to begin in the first quarter of 2016. A segment of the existing water pipeline within this stretch of Central Avenue between Palm Avenue and Belinda Drive is old, undersized, has experienced several service leaks and needs to be replaced in advance of the pavement improvements. This project was scheduled to be completed in a future fiscal year, but was re-prioritized so it could be completed ahead of the paving work. For this reason, it was not included in the "Planned Routine Projects over \$500,000 for Electric and Water Capital Projects for Fiscal Year 2015/16" report that was received by the Board on September 4, 2015.

The water main replacement work will generally entail the construction of approximately 2,400 linear feet of 12-inch ductile iron pipe, 400 linear feet of 8-inch ductile iron pipe, eight fire hydrants, 61 water services, and eight system connections, along with all necessary fittings and appurtenances. The work will also entail abandonment of the existing 6-inch water pipeline within this stretch of Central Avenue that was installed in 1937.

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 base paving the trench area per PW standards. Staff will solicit paving bids from RPU's Paving Contractor Panel for this work. A budgetary estimate for the trench resurfacing work has been included in this authorization. The final asphalt cap will be performed by PW as part of their overall pavement improvement project.

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:

Project Breakdown:	
Engineering Performed By:	RPU Engineering staff
Construction Performed By:	RPU Field Forces
Anticipated Start Date:	November 2015
Anticipated Duration:	3 months
Coordination Required With:	<ul style="list-style-type: none"> ▪ RPU Field Forces ▪ Public Works
Reimbursements:	None

The total capital expenditure for Work Order No. 1602896 is estimated to be \$790,000, as summarized in the following table:

Description	Cost	Percent of Total
Design	\$24,600	3.1%
Construction (City Forces)	\$560,000	70.9%
Construction Contingencies	\$50,400	6.4%
Paving Budget	\$140,000	17.7%
Construction Management and Inspection	\$15,000	1.9%
Work Order Total	\$790,000	100.0%

FISCAL IMPACT:

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

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