



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 27, 2016

ITEM NO: 7

SUBJECT: EXTENSION OF UNDERGROUND CONDUITS AT PLAZA SUBSTATION ON ELIZABETH STREET, CONSTRUCTION BY CONTRACTOR'S PANEL AND ELECTRIC FIELD CREWS – WORK ORDER NO. 1616413 FOR \$220,000

ISSUE:

The issue for Board of Public Utilities consideration is approval of the capital expenditure of \$220,000 for Work Order No.1616413 for the extension of underground conduits at Plaza Substation on Elizabeth Street.

RECOMMENDATION:

That the Board of Public Utilities approve the estimated capital expenditure of \$220,000 for Work Order No.1616413 for the extension of underground conduits at Plaza Substation on Elizabeth Street.

BACKGROUND:

The Electric System Master Plan (ESMP) recommends the conversion of all remaining 4kV to 12kV distribution circuits to improve system capacity and reliability. To that end and consistent with staff's recommendations, the Board of Public Utilities approved Work Orders No. 1521820, 1501824, and 1521822 for the Plaza Substation 4kV to 12kV Conversion of circuits 452, 454, and 456, respectively, on September 18, 2015. The extension of the Plaza Substation underground getaway conduits is needed to provide a route for the new Plaza 12kV Circuit 1451, which will take over the load currently served by the existing 4kV Circuits 452, 454, and 456. The scope of work for this project is part of the overall effort to upgrade existing 4kV facilities to 12kV at the Plaza substation in order to improve system capacity, efficiency and reliability to the customers in the area.

The work includes the installation of approximately 236 trench feet of conduit, 3,640 circuit feet of feeder cable, and related underground distribution facilities.

Riverside Public Utilities (RPU) engineering staff performed the design to eliminate any negative visual impacts to the project and surrounding area, with sensitivity to the existing neighborhood, and within City Planning guidelines for the designated area of the project.

The project breakdown is proposed as follows:

Project Breakdown	
Engineering Performed By:	RPU engineering staff
Civil Construction Performed By:	RPU Contractor's Panel
Electrical Work Performed By:	RPU field forces
Anticipated Start Date:	July 11, 2016
Anticipated Duration:	4 weeks
Coordination Required With:	RPU Field Superintendent
Reimbursements:	None

FISCAL IMPACT:

The capital expenditure for Work Order No. 1616413 is estimated to be \$220,000 as summarized in the following table:

Description	Amount (\$)	% of Total
Design, Construction Management, Inspection	\$35,044	16%
Construction Contract	\$60,000	27%
Construction Electrical Underground	\$124,956	57%
Total	\$220,000	100%

Sufficient funds are available in Public Utilities' Electrical Capital Account No. 6130000-470633.

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 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

Project Site Map

