

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 27, 2016

ITEM NO: 5

SUBJECT: INSTALLATION OF CIRCUIT TIE ON PALM AVENUE SOUTH OF TEQUESQUITE AVENUE FOR CIRCUIT 454, CONSTRUCTION BY CONTRACTOR PANEL AND ELECTRIC FIELD CREWS – WORK ORDER NO. 1606533 FOR \$228,000

ISSUE:

The issue for Board of Public Utilities consideration is approval of the capital expenditure of \$228,000 for Work Order No. 1606533 for the installation of a circuit tie along Palm Avenue for Circuit 454.

RECOMMENDATION:

That the Board of Public Utilities approve the estimated capital expenditure of \$228,000 for Work Order No. 1606533 for the installation of a circuit tie along Palm Avenue for Circuit 454.

BACKGROUND:

The Electric System Master Plan (ESMP) recommends the conversion of all remaining 4kV to 12kV distribution circuits to improve system capacity and reliability. This project is an important step in that it will facilitate the conversion of circuit 454 to 12kV by creating extra ties to an existing 12kV circuit in the vicinity.

The work will upgrade electric distribution facilities along Palm Avenue, south of Tequesquite Avenue. The overhead work includes the replacement of one wooden pole, 240 circuit feet of primary wires, and related overhead distribution facilities. The underground work includes the replacement of 1,870 circuit feet of primary underground cables, installation of two vaults, two electric service boxes, one transformer pad, one transformer, 100 trench feet of conduit, 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. 1606533 is estimated to be \$228,000 as summarized in the following table:

| Description | Amount (\$) | % of Total |
|---|------------------|-------------|
| Design, Construction Management, Inspection | \$40,129 | 18% |
| Construction Contract | \$64,085 | 28% |
| Construction Electrical Underground | \$123,786 | 54% |
| Total | \$228,000 | 100% |

Sufficient funds are available in Public Utilities' Electrical Capital Account No. 6130000-470603.

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 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

