



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: April 13, 2020

ITEM NO: 5

SUBJECT: **BID NO. RPU-7746 FOR INSTALLATION OF UNDERGROUND ELECTRIC FACILITIES ON ELIZABETH STREET, WITH DOTY BROS. EQUIPMENT COMPANY, IN THE AMOUNT OF \$118,783.58; AND WORK ORDER NO. 2014995 FOR A TOTAL CAPITAL EXPENDITURE OF \$190,000**

ISSUES:

Award Bid No. RPU-7746 for the installation of underground facilities on Elizabeth Street to Doty Bros. Equipment Company, of Norwalk, California, in the amount of \$118,783.58 and approve Work Order No. 2014995 for a total Capital expenditure of \$190,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award Bid No. RPU-7746 for the installation of underground facilities on Elizabeth Street to Doty Bros. Equipment Company, of Norwalk, California, in the amount of \$118,783.58; and
2. Approve Work Order No. 2014995 for a total capital expenditure of \$190,000.

BACKGROUND:

Riverside Public Utilities' (RPU) ongoing 4kV to 12kV voltage conversion program is an essential component in the replacement of aging infrastructure to meet future load growth, improve electric safety and system reliability. Existing 4kV distribution facilities are becoming obsolete and replacement parts are difficult to procure, as most utilities are converting outdated facilities and standardizing on 12kV facilities for their distribution systems. Upgraded 4kV to 12kV distribution systems are more efficient, easier to maintain, and improve system operations to help reduce outage times during abnormal events.

In coordination with James Development, and the City of Riverside Public Works Department, RPU will upgrade existing underground facilities for a future 4 to 12kV voltage conversion project near 3510 Elizabeth Street. James Development is proposing to build two single family residences in the area, and a section of an underground 4kV electric line will be relocated prior to the construction of one of the proposed homes. James Development and the Public Works Department will pay their fair share contribution as part of the 4kV line relocation component, in accordance with Electric Rule 10. James Development will reimburse RPU an amount of \$16,514. The Public Works Department will reimburse RPU an amount of \$16,488. The total reimbursement amount for this component of the work is \$33,028.

This project is an important step in facilitating future voltage conversions by creating additional electrical field ties to existing circuits in the surrounding area. Upgrading of distribution facilities for voltage conversions is identified as part of the Utility 2.0 Electric Infrastructure Road Map.

DISCUSSION:

The scope of work project will upgrade existing electric distribution facilities on Elizabeth Street, near Riverside Avenue. The work includes the installation of approximately 240 trench feet of conduit, approximately 437 linear feet of new underground primary cable, and related electrical distribution facilities, as well as the installation of a new vault. The scope also includes the removal of approximate 550 feet of primary cable, the relocation of a distribution duct bank, and street paving and project site restoration in collaboration with Public works. Intermittent electric service disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize impact on customers.

Bid RPU-7746 for the installation of underground facilities on Elizabeth Street was posted on the City's Online Bid System on February 11, 2020 and closed February 21, 2020. Two (2) vendors submitted bids for the specified work. Staff evaluated the bids and deemed Doty Bros. Equipment Company, of Norwalk, California, to be the lowest responsive and responsible bidder. The bid was above the engineer's estimated amount of \$84,349.70 due to higher labor costs associated with the project site restoration.

The bids are summarized in the table below:

Vendors	City Location	Bid Amount	Rank
Doty Bros. Equipment Co.	Norwalk, CA	\$118,783.58	1
VCI Construction, LLC	Upland, CA	\$157,643.00	2
➤ <i>Engineer's Estimate</i>			\$84,349.70

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/fiscal breakdown is as follows:

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Project Management and Engineering	RPU Engineering Staff and Operations	\$49,085
Work Performed By:	Doty Bros Equipment Company	\$118,784
Electrical Work	RPU Field Forces	\$10,253
Contingency – Contract (10%)		\$11,878
Work Order Total:		\$190,000
Reimbursements:		\$33,028
Anticipated Start Date:		May 2020
Anticipated Duration:		15 days

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 23256.

FISCAL IMPACT:

The total fiscal impact is \$190,000. Sufficient funds are available in Public Utilities' Capital Account No. 6130100-470603.

Prepared by: George R. Hanson, Utilities Assistant General Manager/Energy Delivery
Approved by: Todd M. Corbin, Utilities General Manager
Approved by: Al Zelinka, FAICP, City Manager
Approved as to form: Gary G. Geuss, City Attorney

Certifies availability
of funds: Brian Seinturier, Utilities Fiscal Manager

Attachments:

1. Project Site Map
2. Award Recommendation