

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JANUARY 14, 2019

ITEM NO: 6

SUBJECT: 12KV ELECTRICAL FEEDERS FOR THE CALIFORNIA AIR RESOURCES BOARD PROJECT – WORK ORDER NO. 1709454 FOR \$757,000

ISSUE:

Approve Work Order No. 1709454 in the amount of \$757,000 for the 12kV Electrical Feeders for the California Air Resources Board Project.

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 1709454 in the amount of \$757,000 for the 12kV Electrical Feeders for the California Air Resources Board Project.

BACKGROUND:

On June 25, 2018, the Board of Public Utilities (Board) received the Planned Routine Capital Projects over \$500,000 for Electric for Fiscal Year 2018-19 report. One of the projects mentioned was the planned electrical feeder project to serve the California Air Resources Board (CARB) Project. CARB is currently constructing their new Southern California Headquarters state-of-the-art facility at 4001 Iowa Avenue, near Everton Place. The Department of General Services (DGS) is managing the overall project and has retained Hensel Phelps Construction to design and build the new headquarters facility. The facility is expected to be ready for occupancy February 2021.

Riverside Public Utilities (RPU) will provide primary electrical service construction of two new 12kV underground electrical feeders out of the University Substation. DGS has requested that permanent electrical service be available no later than September 2019, to align with the existing construction schedule. In collaboration with DGS and University of California, Riverside (UCR), Riverside Public Utilities (RPU) Electric Engineering staff prepared electrical plans and specifications to serve the CARB project.

In coordination with the Public Works Department and DGS, RPU will underground the existing overhead electric lines on Iowa Avenue between Everton Place and Martin Luther King Boulevard during Public Works Street Improvement Iowa Avenue Widening Project. The turnkey cost for this activity along the CARB frontage will be reimbursed by CARB as part of the reimbursement agreement between the City and CARB. Public Works is the lead on the reimbursement agreement and will seek Council approval in the first quarter of 2019. RPU staff will return to the Board to seek approval under a separate work order for the Iowa Avenue overhead to underground scope of work after the contract bids are received in the second quarter of 2019.

DISCUSSION:

The project will construct new underground electrical facilities starting at University Substation and heading west along Everton Road towards Iowa Avenue to the new CARB Headquarters facility. The scope of work includes the installation of approximately 3,400 linear feet of conduit, five (5) underground vaults, two (2) pad-mounted switches, 22,530 feet of primary cable and related electrical distribution facilities. The scope of work also includes upgrading the substation breaker protection scheme and switching, street paving, and traffic control. Intermittent electric service disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize the impact on customers.

The Electric System Master Plan recommends the installation of electrical distribution facilities to improve circuit sectionalizing, reduce outage response time, improve system reliability, and enable greater load transfer capacity to serve load growth in the area. These objectives are aligned with the Utility 2.0 Electric Infrastructure Road Map.

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.

Customer initiated projects that are fully funded by the customer do not require Board approval in order to streamline development within the City. However, as part of this project, work order approval is required since the customer will be installing extra distribution facilities for RPU's benefit in order to serve load growth in the area. In accordance with Electric Rule 10, Distribution System Additions, the applicant is responsible for all civil infrastructure construction required to serve their project. The applicant will receive a credit for additional facilities installed by the applicant at RPU's request, which is not directly related to the applicant's development. The applicant will receive \$139,169 in credits towards the work order total cost of \$757,000. The applicant will reimburse the Utility the difference, or \$617,831, for all electrical facilities required to serve the project.

The project and fiscal breakdown is as follows:

Project and Fiscal Breakdown		
Work Type	Performed By	Amount (\$)
Project Management and Engineering	RPU Engineering Staff	\$20,143
Electrical Work	RPU Field Forces	\$526,125
Design	RPU Engineering Staff	\$158,119
Contingency - Electrical Work (10%)		\$52,613
Work Order Total		\$757,000
Work Order Credit to Applicant		\$139,169
Reimbursements		\$617,831
Anticipated Start Date		March 2019
Anticipated Duration		8 Weeks

In general, our obligation to serve new and increased customer load requirements within the RPU service territory are given priority over other efforts that focus on overhead and underground equipment replacement. Funding for this project will be transferred from the current year's Neighborhood Street Light Retrofit Account to the Major Feeders Account based upon that priority.

FISCAL IMPACT:

The total project cost is \$757,000, however, the applicant will reimburse the Utility in the amount of \$617,831 for all electrical facilities required to serve the private development project. The total net fiscal impact to the RPU budget is \$139,169. Following the transfer of \$757,000 funding from the Neighborhood

Street Light Retrofit Account, sufficient funding will be available in Public Utilities Major Feeders Account No. 6130000-470633.

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Approved by: Al Zelinka, FAICP, City Manager
Approved as to form: Gary G. Geuss, City Attorney

Certifies availability
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Attachments:

1. Project Site Map
2. Presentation

Project Site Map

