



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 28, 2021

SUBJECT: BID NO. RPU-7636 FOR THE CANYON CREST CABLE REPLACEMENT AREA PROJECT WITH HOT LINE CONSTRUCTION, INC., IN THE AMOUNT OF \$889,677; WORK ORDER NO. 1619972 IN THE AMOUNT OF \$1,300,000

ISSUES:

Award of Bid No. RPU-7636 to Hot Line Construction, Inc. for the Canyon Crest Cable Replacement Area 1F, Phase 3 Project in the amount of \$889,677; and approve the capital expenditure for Work Order No. 1619972 in the amount of \$1,300,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award Bid No. RPU-7636 to Hot Line Construction, Inc., of Brentwood, California, in the amount of \$889,677 for the Canyon Crest Cable Replacement Area 1F, Phase 3 Project;
2. Approve the capital expenditure for Work Order No. 1619972 in the amount of \$1,300,000 which includes all design, construction, construction support, contract administration, inspection, and construction change order authority costs for the Canyon Crest Cable Replacement Area 1F, Phase 3 Project; and
3. Authorize the City Manager, or designee, to execute any documents necessary to effectuate the project described herein, as well as the ability to make minor non-substantive changes in alignment with all purchasing policies.

BACKGROUND:

Riverside Public Utilities (RPU) has experienced power outages and reliability issues in the Canyon Crest area for the past 20 years, due to the high failure rate of aged cable. The area is served by HMPE insulated cable (high molecular weight polyethylene) and CIC type infrastructure (cable-in-conduit). HMPE cable is responsible for 70% of RPU's electric system outages due to failures. The Electric System Master Plan (ESMP) recommends the planned replacement of obsolete HMPE and CIC type infrastructure to improve system capacity and reliability. Canyon Crest neighborhoods are designated high priority for infrastructure upgrades and replacement based upon recent comprehensive engineering studies to improvement system reliability.

This project will replace existing deteriorated underground substructures and cable with new underground electrical distribution facilities to improve the electric service to customers in the area, improving overall electric system reliability and safety. Replacement of deteriorated underground structures and cables is identified as part of the Utility 2.0 Electric Infrastructure Road Map.

DISCUSSION:

The scope of work includes the installation of approximately 10,593 trench feet of conduit, approximately 5,693 feet of underground single phase primary cable, approximately 3,954 feet of underground three phase primary cable, four three phase pad mounted junction cabinets (PJC’s) and slab boxes, two commercial subsurface transformer enclosure (CST) torsion assisted lid retrofits, the replacement of four precast transformer pads (TP-3’s), the replacement of 10 transformers, street paving and related electrical distribution facilities. This project also includes the removal of approximately 8,390 feet of aged electric cable and related distribution facilities.

The project will upgrade electrical distribution facilities south of Country Club Drive, east of Shaker Drive, north of Tareyton Drive, and west of Claridge Drive. Intermittent electric service disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize the impact to customers.



Aged Underground Infrastructure:
Cable-in-Conduit System



Trench and Conduit Installations

Bid No. RPU-7636 for the Canyon Crest Cable Replacement Area 1F, Phase 3 Project was posted on the City’s Online Bid System on March 31, 2021 and closed April 23, 2021. Ten vendors submitted bids for the project. Staff evaluated the bids and deemed Hot Line Construction, Inc., of Brentwood, California to be the lowest responsive and responsible bidder. The bid was within the engineer’s estimated amount of \$1,195,000. The bids are summarized in the table below:

Vendors	City Location	Bid Amount	Rank
Hot Line Construction, Inc.	Brentwood	\$889,677.00	1
International Line Builders, Inc.	Corona	\$991,896.35	2
Scorpion Backhoe, Inc.	Hemet	\$1,109,782.15	3
Herman Weissker, Inc.	Riverside	\$1,160,566.77	4
VCI Construction LLC	Upland	\$1,169,717.80	5
Asplundh Construction LLC	Anaheim	\$1,209,086.60	6
Doty Bros. Equipment Company	Norwalk	\$1,284,020.57	7
Arizona Pipeline Company	Corona	\$1,389,342.85	8

PAR Electrical Contractors, Inc.	Rancho Cucamonga	\$1,801,140.74	9
Henkels & McCoy, Inc.	Pomona	\$1,925,793.92	10
➤ <i>Engineer's Estimate</i>		\$1,195,000	

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Project Management and Engineering	RPU Engineering and Operations	\$54,158
Civil Construction:	Hot Line Construction	\$889,677
Electrical Work	RPU Field Forces	\$165,988
Design	RPU Engineering	\$101,209
Civil Construction Contingency- Contract (10%)		\$88,968
Work Order Total:		\$1,300,000
Anticipated Start Date:		August 2021
Anticipated Duration:		18 Weeks

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

FISCAL IMPACT:

The total fiscal impact of the project including project management and engineering, construction, electrical work, design and construction contingency is \$1,300,000. Sufficient funds are available in Public Utilities Electric Capital Account No. 6130100-470635.

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: Kristi J. Smith, Interim City Attorney
 Certifies availability of funds: Edward Enriquez, Chief Financial Officer/City Treasurer

Attachments:

1. Project Site Map
2. Bid Award Recommendation
3. Presentation