

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: MAY 9, 2022

SUBJECT: BID NO. RPU-7894 FOR THE CANYON CREST CABLE REPLACEMENT AREA 5 PROJECT WITH HOT LINE CONSTRUCTION, INC. IN THE AMOUNT OF \$1,479,986; WORK ORDER NO. 1904200 IN THE AMOUNT OF \$2,115,000

ISSUES:

Consider awarding Bid No. RPU-7894 to Hot Line Construction, Inc. for the Canyon Crest Cable Replacement Area 5 Project in the amount of \$1,479,986; and approve the capital expenditure for Work Order No. 1904200 in the amount of \$2,115,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award Bid No. RPU-7894 to Hot Line Construction, Inc., of Brentwood, California, in the amount of \$1,479,986 for the Canyon Crest Cable Replacement Area 5 Project;
2. Approve the capital expenditure for Work Order No. 1904200 in the amount of \$2,115,000 which includes all design, construction, construction support, contract administration, inspection, and construction change order authority costs for the Canyon Crest Cable Replacement Area 5 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 and non-substantive changes in alignment with all purchasing policies.

BACKGROUND:

Riverside Public Utilities (RPU) has experienced 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 insulated cable is responsible for 70% of RPU's system 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 contain the greatest concentration of high failure rate HMPE/CIC underground cable within the RPU electric system and are designated high priority for infrastructure upgrades and replacement based upon recent comprehensive engineering analysis.

As part of the ongoing Cable Replacement Program, on June 28, 2021, the Board of Public Utilities approved Work Order No. 1619972 for the Canyon Crest Cable Replacement Area 1F, Phase 3 Project, in the amount of \$1,300,000; the conclusion of this project resulted in the completion of the Canyon Crest cable replacement project Area 1. The Canyon Crest Cable Replacement Area 5 Project is part of the series of routine cable replacement projects in the Canyon Crest area that will replace existing deteriorated underground substructures and cable with new underground electrical distribution facilities to improve the electric service to customers, improving overall electric system reliability and safety.

DISCUSSION:

The scope of work includes the installation of approximately 9,845 feet of trench, 19,600 feet of conduit, 11,450 circuit feet of underground primary cable, 11 underground transformers, and related electrical distribution facilities. This project also includes the removal of approximately 9,540 feet of aged electric cable and related distribution facilities.

The project will upgrade electrical distribution facilities south of Central Avenue and Fairview Avenue, north of Arlington Avenue, in the vicinity of Alessandro Boulevard, and the area west of Alessandro Boulevard and Via Vista Drive including Old Bridge Road, Middle Creek Road and Canyon Hill Drive. Intermittent electric service disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize the impact to customers.



Aged Infrastructure: Cable-in-Conduit System



New trench and conduit installations

Bid No. RPU-7894

Bid No. RPU-7894 for the Canyon Crest Cable Replacement Area 5 Project (the civil underground construction portion of the project), was posted on the City's Online Bidding System on January 6, 2022, and closed February 3, 2022. Eight (8) 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 \$2,207,000.

The bids are summarized in the table below:

Vendors	City Location	Bid Amount	Rank
Hot Line Construction, Inc.	Brentwood, CA	\$1,479,986.00	1
Asplundh Construction LLC	Buena Park, CA	\$1,899,593.04	2
Servitek Electric, Inc.	Walnut, CA	\$1,952,767.00	3
VCI Construction LLC	Upland, CA	\$1,985,000.00	Non-responsive
Elecnor Belco Electric, Inc.	Chino, CA	\$2,067,291.00	Non-responsive
Stronghold Engineering, Inc.	Perris, CA	\$2,428,312.00	Non-responsive

Arizona Pipeline Company	Corona, CA	\$2,468,515.89	Non-responsive
PAR Electrical Contractors, Inc.	Rancho Cucamonga, CA	\$0.00	Non-responsive
➤ <i>Engineer's Estimate</i>		\$2,207,000	

The project and fiscal breakdown is proposed as follows:

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Design	RPU Engineering	\$172,156
Construction Management and Inspection	RPU Engineering and Operations	\$92,700
Electrical Work	RPU Field Forces	\$222,159
Civil Construction (Contract):	Hot Line Construction, Inc.	\$1,479,986
Civil Construction Contingency- Contract (10%)		\$147,999
Work Order Total:		\$2,115,000
Anticipated Start Date:		June, 2022
Anticipated Duration:		5-6 Months

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 23218.

STRATEGIC PLAN ALIGNMENT:

This item contributes to **Strategic Priority No. 6 Infrastructure, Mobility and Connectivity** and **Goal 6.2** – Maintain, protect, and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

This item aligns with each of the five Cross-Cutting Threads as follows:

1. **Community Trust** – The installation of new and improved conduits and cable that comply with current standards will improve safety and reliability of the electric system, which helps build community trust and results in the greater public good.
2. **Equity** – The cable replacement project has been established based on engineering planning and operational criteria, with equitable distribution of services to ensure every member of the community has equal access to share the benefits of community progress.
3. **Fiscal Responsibility** – The replacement of obsolete cable and related equipment will improve system reliability. This proactive approach will be more efficient and will reduce overall operational costs. The lowest price for the construction services and thereby the best value for RPU's customers was ensured through a competitive bidding process.
4. **Innovation** – RPU is committed to identifying creative solutions to meet the needs of our community members, effectively and efficiently by providing innovative infrastructure improvements. A collaborative and innovative approach was used to replace the electric facilities in such a way to minimize potential disruptions to our customers in the future.
5. **Sustainability & Resiliency** – RPU is preparing for the goals set by the City to achieve carbon neutrality by 2040 and to ensure that new system upgrades provide grid operators the ability to monitor and respond to system disturbances in a more safe and timely

manner. The construction materials specified for this project are considered best practices in the industry and are expected to last well into the future.

FISCAL IMPACT:

The total fiscal impact is \$2,115,000. Sufficient funds are available in Public Utilities Electric Capital Account No. 6130100-470635.

Prepared by:	Daniel E. Garcia, Utilities Deputy General Manager
Approved by:	Todd M. Corbin, Utilities General Manager
Approved by:	Kris Martinez, Assistant City Manager
Approved as to form:	Phaedra A. Norton, City Attorney

Certifies availability of funds:	Edward Enriquez, Chief Financial Officer/City Treasurer
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- Attachments:
1. Project Site Map
 2. Bid Award Recommendation
 3. Presentation