

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JULY 8, 2024

SUBJECT: **AWARD BID NO. RPU-8077 FOR CIRCUIT 1502 CONDUIT AND CABLE REPLACEMENT PROJECT WITH E.E. ELECTRIC INC. OF JURUPA VALLEY, CALIFORNIA, IN THE AMOUNT OF \$1,351,788.33, AND WORK ORDER NO. 2201057 FOR A TOTAL CAPITAL EXPENDITURE OF \$1,795,000**

ISSUES:

Award Bid No. RPU-8077 to E.E. Electric Inc. of Jurupa Valley, California, for Circuit 1502 Conduit and Cable Replacement Project, in the amount of \$1,351,788.33 and approve Work Order No. 2201057 for a total capital expenditure of \$1,795,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award Bid No. RPU-8077 to E.E. Electric Inc., of Jurupa Valley, California, for Circuit 1502 Conduit and Cable Replacement Project in the amount of \$1,351,788.33;
2. Approve a 10% contingency or \$135,179 for Bid No. RPU-8077;
3. Approve the capital expenditure for Work Order No. 2201057 in the amount of \$1,795,000 which includes all design, construction, construction support, contract administration, inspection, and construction change order authority costs for the Circuit 1502 Conduit and Cable Replacement Project; and
4. 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 electric systems reliability issues with HMPE insulated cable (high molecular weight polyethylene) and CIC type infrastructure (cable-in-conduit) for the last 20 years, due to the high failure rate of aged cable, responsible for 70% of RPU's system failures. The project area is served by both HMPE and CIC cables. The Electric System Master Plan (ESMP) recommends the planned replacement of obsolete HMPE and CIC type infrastructure to improve system capacity, reliability, and safety.

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 south of the 91 Freeway, east of Tyler Street along Chickasaw Passage through Zuni Passage, and west of Tyler Avenue along Comanche Avenue through Winnebago Lane, improving overall electric system reliability and safety.

DISCUSSION:

The scope of work includes the installation of one precast pull-box, approximately 9,096 trench feet of conduit, approximately 10,613 circuit feet of underground primary cable, and related electrical distribution facilities as well as asphalt paving.

The project will improve the over electric circuit reliability for Circuit 1502 in the area. Intermittent electric service disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize the impact to customers.



Obsolete high molecular weight polyethylene (HMPE) cable



Typical Trench and Conduit Installations

Bid No. RPU-8077

On March 14, 2024, Bid No. RPU-8077 for Circuit 1502 Conduit and Cable Replacement Project, was posted on PlanetBids, the City's Online Bid System. On March 28, 2024, RPU hosted a non-mandatory pre-bid meeting with 14 companies attending. On May 2, 2024, Bid No. RPU-8077 closed and had thirteen (13) bidders submitted bids. The Purchasing Division and RPU Staff evaluated the bids and deemed E.E. Electric Inc., of Jurupa Valley, California to be the lowest responsive and responsible bidder. The bid is within the engineer's estimated amount of \$3,648,204.

Bid No. RPU-8077 Bidding Notification Summary Table

Action	Number of Vendors
Vendors Notified	319
Vendors Who Acknowledge the RFB	64
Questions and Answers Received	17
Addenda Submitted	3
Bids Received	13

The bids are summarized in the table below:

Vendors	City Location	Bid Amount	Rank
E.E. Electric, Inc.	Jurupa Valley, CA	\$1,351,788.33	1
Herman Weissker, Inc.	Riverside, CA	\$1,667,777.77	2
Doty Bros. Equipment Company	Norwalk, CA	\$ 1,675,611.98	3
VCI Construction LLC	Upland, CA	\$ 1,717,028.98	4
Asplundh Construction LLC	Anaheim, CA	\$1,723,312.34	5
Hot Line Construction, Inc.	Brentwood, CA	\$1,826,536.00	6
Horizon Underground Inc	Norco, CA	\$2,138,269.00	7
HHS Construction, LLC	Ontario, CA	\$ 2,246,972.98	8
Comet Electric, Inc.	Chatsworth, CA	\$2,269,754.00	9
International Line Builders, Inc.	Riverside, CA	\$2,320,250.67	10
PAR Western Line Contractors	Rancho Cucamonga, CA	\$2,634,160.35	11
HP Communications, Inc.	Corona, CA	\$2,868,058.85	12
Teichert Line Services	Roseville, CA	\$3,899,000.00	13

➤ *Engineer's Estimate* **\$3,648,204.00**

The project and fiscal breakdown is as follows:

Project and Fiscal Breakdown					
Work Type:	Performed By:	Amount (\$):			% of Total:
Design and Inspection	RPU Engineering and Operations	\$159,607.84			8.9%
Electrical Work	RPU Field Forces	Labor	\$105,958	\$148,425.00	8.3%
		Equipment	\$11,698		
		Materials	\$30,769		
Civil Construction (Contract)	E.E. Electric Inc.	\$1,351,788.33			75.3%
Contingency – 10% (Contract)		\$135,178.83			7.5%
Work Order Total:	\$1,795,000.00				100%
Anticipated Start Date:	August 2024				
Anticipated Duration:	13 weeks				

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 24101.

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 circuit reliability 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 electric 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 install 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 \$1,795,000. Sufficient funds are available in Public Utilities Electric Capital Account No. 6130100-470635.

Prepared by:	Daniel Honeyfield, Utilities Assistant General Manager/Energy Delivery
Approved by:	David A. Garcia, Interim Utilities General Manager
Certifies availability of funds:	Kristie Thomas, Finance Director/Assistant Chief Financial Officer
Approved by:	Rafael Guzman, Assistant City Manager
Approved as to form:	Phaedra A. Norton, City Attorney

Attachments:

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