



PURCHASE OF TUBULAR STEEL STRUCTURES FOR THE 69KV RERC TO FREEMAN LINE OF RTRP PHASE 2

Riverside Public Utilities – Energy Delivery

Board of Public Utilities
May 10, 2021

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BACKGROUND

1. Riverside Transmission Reliability Project (RTRP) is a joint project with Southern California Edison
2. RTRP will provide a critical second connection to the state electric transmission grid
3. Project addresses capacity needs and reliability of the City's electric grid system
4. The 69kV sub-transmission lines from RERC (Mull Ave & Tyler St connection) to Freeman Substation improves electric system reliability within City of Riverside

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BACKGROUND (cont.)

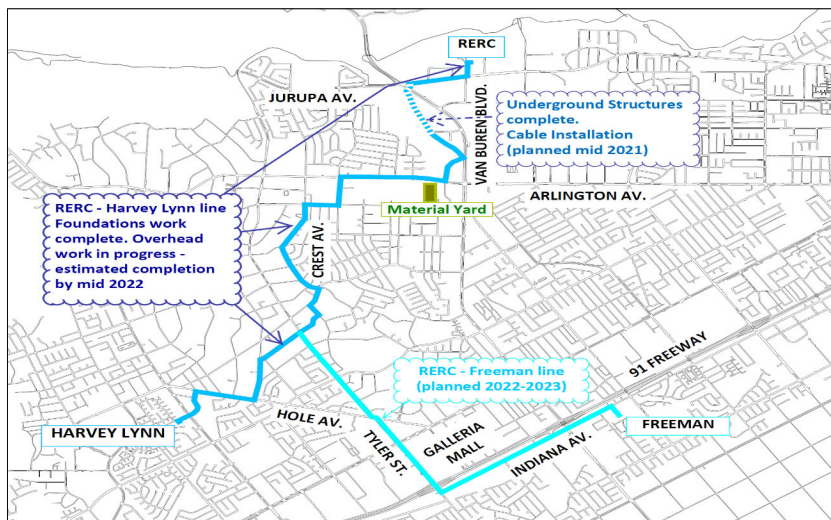
5. Parts of the overhead lines work from RERC [to Freeman; tap-off on Mull Ave & Tyler St] will be performed in conjunction with RERC to Harvey Lynn line work
6. RERC to Harvey Lynn line work is currently in progress with an anticipation completion date of June 2022
7. Construction of 69kV overhead RERC (Mull Ave & Tyler St tap-off) to Freeman line work is planned to start by mid-2022
8. Tubular steel structures needed for 69kV RERC to Freeman line work

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RTRP SITE MAP



69kV RERC to Harvey Lynn and RERC to Freeman sub-transmission lines

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STEEL STRUCTURES FOR RERC-FREEMAN LINE SCOPE OF WORK

1. The procurement of 17 steel poles, 92 steel arms, and anchor bolt cages is required to complete the construction of 69kV RERC to Freeman sub-transmission lines
2. Manufacturer to fabricate structures as per the specifications and drawings provided by RPU
3. Manufacturer to deliver the poles and associated items to RPU's specified material yard



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TUBULAR STEEL POLE STRUCTURE



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RERC-FREEMAN LINE: STEEL STRUCTURES PROCUREMENT BID

1. RPU requested bids to fabricate and deliver engineered steel structures for 69kV RERC-Freeman sub-transmission line.
2. Bid No. RPU-7818 was posted on the City's Online Bid System on February 4, 2021 and closed on March 10, 2021.

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CONTRACT BIDS

1. Staff evaluated the bids and deemed Wireless Structures Consulting, Inc. of Salem, OR to be the lowest responsive and responsible bidder
2. TransAmerican Power Poles was deemed non-responsive for failing to meet the bid requirements

#	Vendors	City Location	Bid Amount	Rank
1	Wireless Structures Consulting, Inc.	Salem, OR	\$666,679.93	1
2	*Valmont Industries	Valley, NE	\$695,408.40	2
3	*Sabre Industries	Alvarado, TX	\$733,365.41	3
4	*McAvoy & Markham Engineering	Irvine, CA	\$860,427.83	4
5	*TransAmerican Power Poles	Houston, TX	\$607,119.71	Non-Responsive

➤ *Engineer's Estimate* \$750,000

* Bid amount submitted on City's online bid system does not include sales tax of 8.75%. Bid amount listed above includes sales tax.

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FISCAL IMPACT

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Engineering	Power Engineers, Inc.	\$70,000
Project Management	RPU Energy Delivery Engineering & Project Communications	\$100,000
	Power Engineers, Inc.	\$5000
Tubular Steel Poles Fabrication contract	Wireless Structures Consulting, Inc.	\$666,680
Contract Contingency - 20%		\$133,336
Miscellaneous Materials		\$20,000
Work Order Total:		\$995,016
Anticipated Start Date:		August 2021
Anticipated Duration:		300 days

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RECOMMENDATIONS

That the Board of Public Utilities:

1. Deem the bid from TransAmerican Power Poles' for RPU-7818 as a non-responsive bid;
2. Award Bid No. RPU-7818 for the purchase of tubular steel structures as part of the Riverside Transmission Reliability Project (RTRP) for 69kV RERC to Freeman line to Wireless Structures Consulting, Inc., of Salem, Oregon, in the amount of \$666,680;
3. Authorize staff to issue change orders in an amount up to 20% of the original contract amount, or \$133,336, for a total contract cost not to exceed \$800,016; and
4. Approve Work Order No. 2117630 for the total capital expenditure of \$995,016 for the purpose of tracking costs related to steel pole structures for 69kV RERC-Freeman line as part of RTRP Work Order No. 642975.

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