



**BID NO. RPU-7600 FOR UNDERGROUND
SUBSTRUCTURES INSTALLATION FOR PLAZA
SUBSTATION 4kV to 12kV CONVERSION – CIRCUIT
450 PROJECT**

Riverside Public Utilities

Board of Public Utilities
January 28, 2019

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BACKGROUND

1. June 25, 2018 - Board received Planned Routine Electric and Water Capital Projects over \$500,000 in FY 18/19 report to streamline the approval process
2. Conversion programs upgrade electric distribution facilities that are inefficient and difficult to procure to higher voltages
3. Conversions are identified as priority projects in the Electric System Master Plan (ESMP)

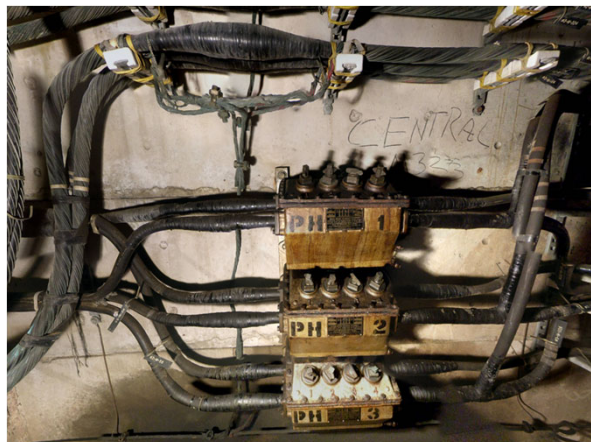
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BACKGROUND (CONTINUED)

1. Twenty eight (28) circuit conversions remain in Riverside's distribution system
2. Five (5) circuits currently being converted out of Plaza Substation



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AGED INFRASTRUCTURE

1. Twenty three (23) circuits will remain 4kV after the current conversion projects are completed in 2019
2. 4kV to 12kV voltage conversion is identified as part of the Utility 2.0 Electric Infrastructure Improvement Roadmap

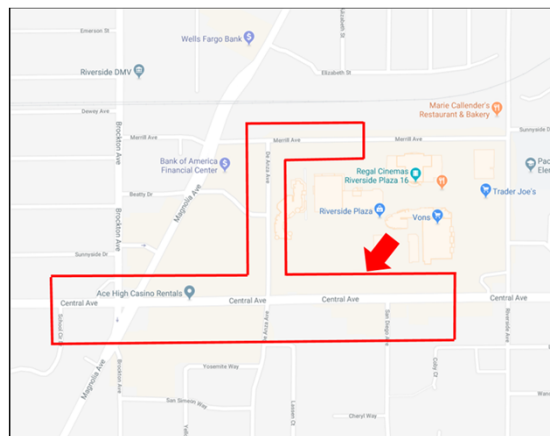


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PROJECT LOCATION

1. Central Avenue, west of Riverside Avenue in the region around the Riverside Plaza, east of School Circle Drive
2. The project will upgrade facilities to approximately 500 customers
3. Customers will be notified in advance before work start and electric service disruptions will be coordinated to minimize impact to customers



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SCOPE OF WORK

1. Replace and upgrade obsolete facilities to include underground feeder cable, submersible switches and transformers
2. Upgrade approximately 12,000 circuit feet of underground cable
3. Remove existing underground facilities
4. 16 weeks to complete



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BENEFITS

1. Increase electric system safety and reliability
2. Improve electric service and power quality to customers
3. Reduce system losses and improve efficiency
4. Improve system operations by standardizing 12kV distribution facilities



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BID RESULTS

VENDORS	CITY LOCATION	BID AMOUNT	RANK
E.E. Electric, Inc.	Mira Loma, CA	\$586,630.95	Non-responsive for exceeding 50% subcontracted work
VCI Construction, LLC	Upland, CA	\$671,493.90	1st
Hotline Construction, Inc.	Brentwood, CA	\$691,162.36	2nd
Henkels & McCoy	Pomona, CA	\$759,587.91	3rd
PAR Electrical Contractors, Inc.	Rancho Cucamonga, CA	\$897,248.80	4th



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PROJECT BREAKDOWN

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Project Management and Engineering	RPU Engineering and Operations	\$98,180
Civil Construction:	Contractor	\$671,494
Electrical Work	RPU Field Forces	\$1,108,091
Design		\$229,086
Construction Contingency – Contract (10%)		\$67,149
Work Order Total:		\$2,174,000
Anticipated Start Date:		February 2019
Anticipated Duration:		16 weeks

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RECOMMENDATIONS

That the Board of Public Utilities:

1. Reject as non-responsive the bid submitted by E.E. Electric, Inc. of Mira Loma, California, for the Electric Underground Substructures Installations for the Plaza Substation 4kV to 12kV Conversion of Circuit 450 Project in the amount of \$586,630.95;
2. Award Bid No. RPU-7600 to VCI Construction, LLC of Upland, California for the Electric Underground Substructures Installations for the Plaza Substation 4kV to 12kV Conversion of Circuit 450 Project in the amount of \$671,493.90; and

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RECOMMENDATIONS (CONTINUED)

3. Approve Work Order No. 1503112 in the amount of \$2,174,000 for work associated with the Electric Underground Substructures Installations for the Plaza Substation 4kV to 12kV Conversion of Circuit 450 Project.