

BID NO. RPU-7576 CONDUIT AND CABLE REPLACEMENT FOR CANYON CREST AREA 1F, Phase 2

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. Pro-active replacement of aged Cable-in-Conduit systems in anticipation of high failure rate of cables
3. Canyon Crest Cable Replacement Program started in 2010 consistent with Electric System Master Plan

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AGED INFRASTRUCTURE

1. Canyon Crest area - highest concentration of aged Conduit-In-Cable systems
2. HMPE and CIC are 8% of total installed underground cable; yet nearly 70% of underground cable failures are HMPE and CIC
3. Replacement of aged underground infrastructure identified as priority in Utility 2.0 Electric Infrastructure Road Map

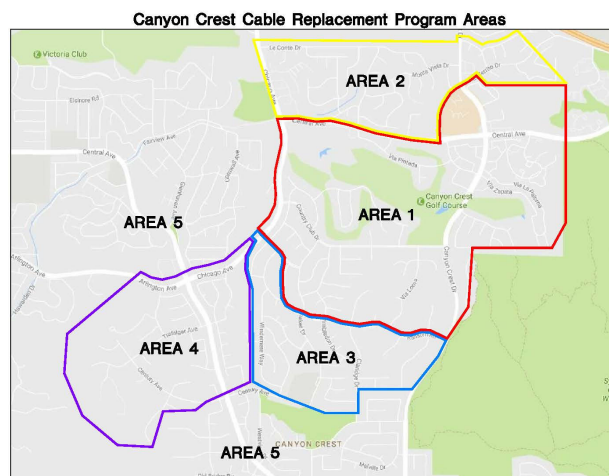


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CABLE REPLACEMENT PROGRAM

1. Reduce project cost by at least factor of two (2) with planned vs. reactive replacement
2. Minimize outage disruption through pro-active cable replacement
3. Highly populated area (apartments)
4. Divided into five (5) areas to minimize service disruption during construction

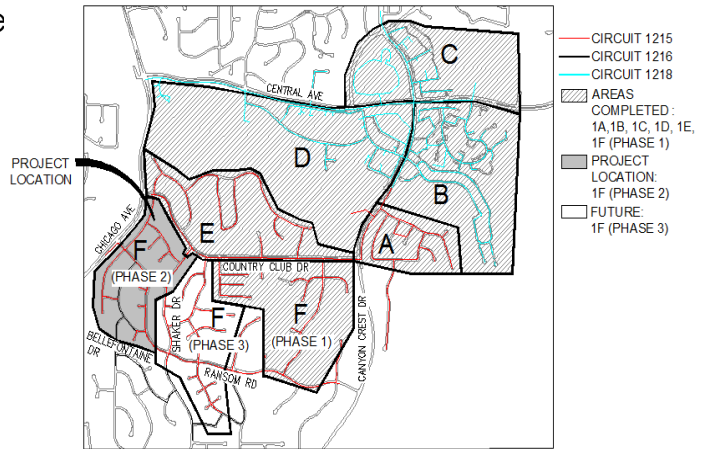


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PROJECT LOCATION

1. Canyon Crest Area 1F, Phase 2 area surrounded by Country Club Avenue, Chicago Avenue, Shaker Drive and Bellefontaine Drive
2. Project upgrades facilities to approximately 87 customers
3. Electric service disruptions will be coordinated to minimize impact on customers
4. Replaces facilities installed in the 1970's (almost 50 years ago)



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SCOPE OF WORK

1. Replace/upgrade conduit and cable, transformers, and related distribution facilities
2. Construct 5,451 trench feet of conduit
3. Install 7,230 circuit feet of primary underground cable
4. Remove 6,109 circuit of aged cable
5. 15 weeks to complete work



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BENEFITS

1. Improves system operations and outage response time
2. New looped system helps reduce outage interruption times and minimize impact on customers
3. Increases electric system reliability and safety
4. Improves electric services and power quality to customers



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BID RESULTS

VENDORS	CITY LOCATION	BID AMOUNT	RANK
Hot Line Construction, Inc.	Brentwood, CA	\$997,525.60	1st
International Line Builders	Riverside, CA	\$1,112,456.85	Non-responsive
PAR Electrical Contractors, Inc.	Rancho Cucamonga, CA	\$1,348,841.82	3rd
W.A. Rasic Construction	Long Beach, CA	\$1,362,095.93	4th
R.I.C. Construction Co., Inc.	Hesperia, CA	\$1,390,904.63	5th
A.M. Ortega Construction, Inc.	Lakeside, CA	\$1,443,141.28	6th
Henkels & McCoy, Inc.	Pomona, CA	\$1,638,739.78	7th
VCI Construction, LLC	Upland, CA	\$1,667,540.11	8th
VCI Utility Services, LLC	Upland, CA	\$2,016,098.80	9th
Michels Corporation d/b/a Michels Pipeline Construction	Neenah, WI	\$2,512,011.64	10th



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PROJECT BREAKDOWN

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Project Management and Engineering	RPU Engineering and Operations	\$31,073
Civil Construction:	Contractor	\$997,526
Electrical Work	RPU Field Forces	\$103,760
Design		\$197,888
Permits		\$0.0
Construction Contingency – Contract (10%)		\$99,753
Work Order Total:		\$1,430,000
Reimbursements		\$0.0
Anticipated Start Date:		February 2019
Anticipated Duration:		15 weeks



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RECOMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. RPU-7576 to Hot Line Construction, Inc. of Brentwood, California for the Conduit and Cable Replacement for Canyon Crest Area 1F, Phase 2 Project in the amount of \$997,525.60; and
2. Approve Work Order No. 1505212 in the amount of \$1,430,000 for work associated with the Conduit and Cable Replacement for Canyon Crest Area 1F, Phase 2 Project.



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