



CONDUIT AND CABLE REPLACEMENT FOR CANYON CREST AREA 1F, PHASE 1

Riverside Public Utilities – Energy Delivery

Board of Public Utilities
January 08, 2018

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BACKGROUND

1. On July 10, 2017, the Board received and filed the planned capital project report for projects over \$500,000 for CIP 17/18
2. Cable Replacement in the Canyon Crest Area was identified in the report.
3. Bid No. RPU-7506 includes cable replacement in the Canyon Crest Area 1F, Phase 1 targeted for replacement this fiscal year

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BACKGROUND

1. Canyon Crest area has the highest concentration of aged High Molecular Weight Polyethylene (HMPE) Cable-in-Conduit systems
2. Experienced the highest incidence of cable failures over the past 10 years
3. Coordinate electric service disruptions and issue advance notifications to minimize the impact to customers

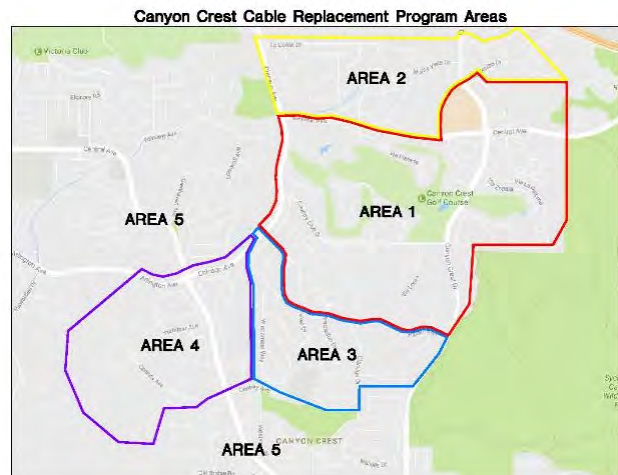


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BACKGROUND

1. Pro-active cable replacement to minimize outages in the area
2. Highly populated apartment areas

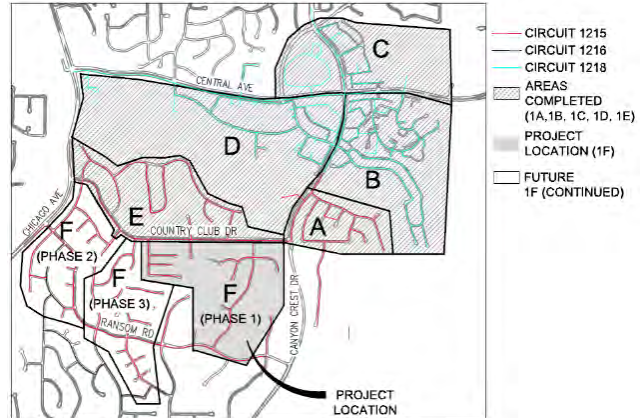


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BACKGROUND-LOCATION

1. Canyon Crest Area 1F, Phase 1
2. South of Country Club Avenue in the region between Canyon Crest Drive and Via Colba / Claridge Drive
3. Electric service disruptions will be coordinated to minimize impacts to customers
4. Approximately 10 weeks to complete



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BACKGROUND-SCOPE

1. Replace conduits, cable, transformers and related electrical facilities
2. Install 3,430 trench feet of conduit
3. Install 3,100 circuit feet of primary underground cable
4. Install five transformers
5. Remove failing, aged cable, transformers and related facilities



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BACKGROUND-BENEFITS

1. Improve electric system safety and reliability
2. Improve power quality and electric service to 70 customers in the area
3. Replace failing and aging infrastructure that's beyond its useful life

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DISCUSSION-CONTRACT BIDS

1. September 21, 2017 – RPU 7506 Bid was posted
2. November 14, 2017 – RPU 7506 Bid closed

Bidders	Location	Bid Amount	Evaluation
1. Hot Line Construction Inc.	Brentwood, CA	\$607,345.40	Lowest Responsive and Responsible Bidder
2. Outsource UCC	Anaheim, CA	\$694,770.84	2 nd
3. VCI Utility Services, llc. dba Vantage Utility Services	Upland, CA	\$726,108.47	3 rd
4. Henkels & McCoy, Inc.	Pomona, CA	\$737,924.16	4 th
5. VCI Construction, LLC	Upland, CA	\$739,605.50	5 th
6. Asplundh Construction Corp	Anaheim, CA	\$757,143.40	6 th
7. Doty Bros. Construction Co.	Norwalk, CA	\$991,984.00	7 th

➤ *Engineer's Estimate*

\$754,215

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FISCAL IMPACT

Description	Amount (\$)	% of Total
Design, Construction Management, Inspection	\$100,475.34	14%
Construction Contract	\$607,345.40	82%
Electric Construction Underground	\$31,179.26	4%
Total:	\$739,000.00	100%

RECOMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. RPU-7506 for the Conduit and Cable Replacement for Canyon Crest Area 1F, Phase 1 to Hot Line Construction Inc. of Brentwood, California, in the amount of \$607,345.40; and
2. Approve Work Order No. 1713398 in the amount of \$739,000