

EMERGENCY WORK FOR PRIMARY CABLE FAILURE ON ALTADENA DRIVE

Riverside Public Utilities – Energy Delivery

Board of Public Utilities
January 14, 2019

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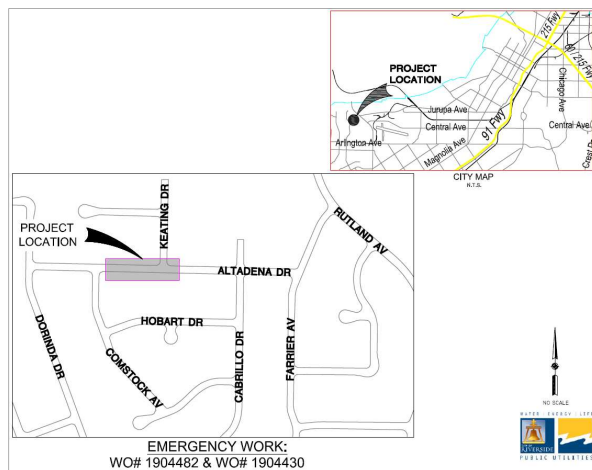
BACKGROUND

1. Aug 12, 2019 - section of 12 kV Cable in Conduit (CIC) faulted on Altadena Drive interrupting service to approximately 33 customers
2. CIC is located underground, typically over 40 years old, brittle and very difficult to remove faulted cables
3. Restoration and repairs required crews to install temporary generators and above ground distribution facilities/cables

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BACKGROUND - LOCATION



12 kV Cable in Conduit (CIC) faulted on Altadena Drive

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BACKGROUND

1. High voltage facilities installed above ground in a temporary fashion pose a risk to the public and should be limited
2. City of Riverside Charter Article XII, Section 1202(b)(2), allows work to be done without prior approval to preserve life, health or property
3. As soon as practicable thereafter, the matter shall be presented to the Board of Public Utilities

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DISCUSSION

1. Members of Contractors Panel for Energy Delivery work were contacted for availability and emergency repairs
2. W. A. Rasic was selected to restore electrical services based on immediate availability
3. Work started on August 14, 2018 and completed August 23, 2018
4. Contractor's cost was \$123,007
5. City crew cost was \$42,916

DISCUSSION (con't)

1. Cable Replacement Program already implemented
2. Prioritization is based on age of cable and CIC and historical frequency of cable failures
3. Intent is to replace cable prior to failure but this cable failed ahead of planned replacement
4. The condition of failed cable and impact of outage will determine future priority for area

RECOMMENDATION

That the Board of Public Utilities Approve Work Order No. 1904482 in the amount of \$123,007 and Work Order No. 1904430 in the amount of \$42,916 for a total amount of \$165,923, in accordance with the City of Riverside Charter Article XII, section 1202(b)(2), for emergency work completed due to cable failure on 9080 Altadena Drive.