

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** NOVEMBER 6, 2015

**ITEM NO:** 8

File ID – 15-3580 – C

**SUBJECT:** CONDUIT AND CABLE REPLACEMENT FOR CANYON CREST AREA CIRCUIT 1215  
– WORK ORDER NO. 1409723 FOR \$1,175,000 – BID NO. 7333

**ISSUES:**

The issues for Board of Public Utilities consideration are: 1) approval of the capital expenditure of \$1,175,000 for Work Order No. 1409723 for Conduit and Cable Replacement for Canyon Crest Area Circuit 1215; and 2) award of Bid No. RPU-7333 for the Conduit and Cable Replacement for Canyon Crest Area Circuit 1215.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Approve the estimated capital expenditure of \$1,175,000 for Work Order No. 1409723 for the Conduit and Cable Replacement for Canyon Crest Area Circuit 1215; and
2. Award a contract for the Conduit and Cable Replacement for Canyon Crest Area Circuit 1215, Bid No. RPU-7333 to the lowest responsive and responsible bidder High Light Electric, Inc. of Riverside, California, in the amount of \$677,777.

**BACKGROUND:**

On September 4, 2015, the Board of Public Utilities (Board) received a report of planned routine infrastructure projects. The purpose of that report was to provide the Board an overview of the routine infrastructure projects, over \$500,000, planned for FY 2015/16, and to highlight the importance of those projects. Discussion of these projects provided context and familiarity to streamline Board approval of individual project actions throughout the fiscal year.

One of the projects discussed was the planned replacement of obsolete High Molecular Weight Polyethylene (HMPE) cable-in-conduit (CIC) in the Canyon Crest residential service area for \$3,747,000. This work order is the first portion of that replacement this fiscal year. The Canyon Crest area experienced the highest incidence of cable failures, over the past 10 years, and was prioritized for cable replacement to enhance reliability. During the time of cable replacement, associated terminations and switching equipment will also be replaced and brought up to current standards.

This project will replace existing aging infrastructure with new conduit and underground electrical distribution facilities to improve the electric service to customers in the area. Replacement of aging underground infrastructure was identified as part of the Utility 2.0 Electric Infrastructure Road Map.

The work will upgrade electric distribution facilities west of Canyon Crest Drive including all streets between Via Vallarta and Country Club Drive. The work includes the installation of approximately 9,211 trench feet of conduit, 9,600 circuit feet of underground primary cable, three secondary pull-boxes, 16

pad-mounted transformers, street paving and related electrical distribution facilities. Intermittent electric service disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize the impact to customers.

Riverside Public Utilities (RPU) engineering staff performed the design to eliminate any negative visual impacts to the project and surrounding area, with sensitivity to the existing neighborhood, and within City Planning guidelines for the designated area of the project.

Engineering staff solicited formal bids for the civil construction part of the project. Bids were opened on September 21, 2015. The lowest responsive bid was submitted by High Light Electric, Inc. Staff reviewed the documentation provided and determined that High Light Electric, Inc. Riverside, CA met all the requirements of the specifications. Their bid of \$677,777 was within the engineer's estimate for this work.

The project breakdown is proposed as follows:

<b>Project Breakdown</b>	
Engineering Performed By:	RPU engineering staff
Civil Construction Performed By:	Contractor
Electrical Work Performed By:	RPU field forces
Anticipated Start Date:	December, 2015
Anticipated Duration:	18 Weeks
Coordination Required With:	RPU Field Superintendent, Public Works Inspector
Reimbursements:	None

The five bids received are summarized in the table below:

	<b>CONTRACTOR</b>	<b>CITY LOCATION</b>	<b>BID TOTAL</b>
1	<b>High Light Electric, Inc.</b>	<b>Riverside, CA</b>	<b>\$677,777.00</b>
2	International Line Builders, Inc.	Riverside, CA	\$872,924.76
3	VCI Construction, LLC	Upland, CA	\$1,079,111.03
4	Hot Line Construction, Inc.	Brentwood, CA	\$1,396,095.75
5	WA Rasic Construction Co., Inc.	Long Beach, CA	\$1,478,531.72

*Engineer's Estimate \$1,150,000*

The Purchasing Services Manager concurs with the recommendation to award Bid RPU-7333 to High Light Electric, Inc., in compliance with the City of Riverside's Purchasing Resolution No. 22576.

### **FISCAL IMPACT:**

The capital expenditure for Work Order No. 1409723 is estimated to be \$1,175,000 as summarized in the following table:

<b>Description</b>	<b>Amount (\$)</b>	<b>% of Total</b>
Design, Construction Management, Inspection, Contingency	\$281,393.00	24%
Construction Contract	\$677,777.00	58%
Construction Electrical Underground	\$215,830.00	18%
<b>Total</b>	<b>\$1,175,000.00</b>	<b>100%</b>

Sufficient funds are available in Public Utilities' Electrical Capital Account No. 6130000-470635.

Prepared by: Pat Hohl, Public Utilities Assistant General Manager/Energy Delivery  
Approved by: Girish Balachandran, Public Utilities General Manager  
Approved by: John A. Russo, City Manager  
Approved as to form: Gary G. Geuss, City Attorney

Certifies availability  
of funds: Laura Chavez-Nomura, Public Utilities Assistant General Manager/Finance

Attachment: Project Site Map