

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** SEPTEMBER 26, 2016

**ITEM NO:** 11

**SUBJECT:** CONSTRUCTION OF THE INTERSTATE 215 BARTON ROAD INTERCHANGE 48-INCH WATER PIPELINE RELOCATION AND ENCASEMENT PROJECT – AWARD OF BID NO. RPU-7425 TO TRAUTWEIN CONSTRUCTION CO., INC. OF RIVERSIDE, CALIFORNIA, IN THE AMOUNT OF \$453,768 – WORK ORDER NO. 1703247 FOR \$611,000 – COSTS WILL BE REIMBURSED BY SAN BERNARDINO COUNTY TRANSPORTATION COMMISSION – UTILITY AGREEMENT NO. 23786 DATED MAY 26, 2016

**ISSUES:**

Approve the: 1) Award Bid No. RPU-7425 to Trautwein Construction Co., Inc., of Riverside, California, for the construction of the Interstate 215 Barton Road Interchange 48-inch Water Pipeline Relocation and Encasement Project in the amount of \$453,768; and 2) Approve the capital expenditure of \$611,000 for Work Order No. 1703247.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Award a contract for the construction of the Interstate 215 Barton Road Interchange 48-inch Water Pipeline Relocation and Encasement Project – Bid No. RPU-7425 to the lowest responsive and responsible bidder, Trautwein Construction Co., Inc., of Riverside, California, in the amount of \$453,768; and
2. Approve the capital expenditure of \$611,000 for Work Order No. 1703247, which includes all design, construction, contract administration, inspection and construction contingency costs for the I-215 Barton Road Interchange 48-inch Water Pipeline Relocation and Encasement Project.

**BACKGROUND:**

San Bernardino County Transportation Commission (SANBAG) in conjunction with Caltrans and the Cities of Colton and Grand Terrace will undertake improvements to the Barton Road Interchange on Interstate 215 (I-215) located in the City of Grand Terrace and partially in the City of Colton. This project, known as the I-215 Barton Road Interchange, includes bridge improvements, realignment of on-ramps and off-ramps and modifications to local streets.

Riverside Public Utilities (RPU) owns and operates a 48-inch water transmission pipeline that crosses I-215 near this project and is in conflict with the proposed off-ramp improvements.

On March 14, 2016, the Board of Public Utilities recommended that the City Council approve Utility Agreement No. 23786 (Agreement) with SANBAG for the pipeline relocation work. City Council subsequently approved the Agreement during their meeting on April 19, 2016. The terms of the Agreement stipulate that SANBAG will reimburse RPU for the pipeline relocation costs.

The work will generally entail relocating approximately 180 linear feet of 48-inch Cement Mortar Lined and Coated (CML&C) Steel pipe, installing approximately 65 linear feet of 60-inch steel casing pipe and all related fittings and appurtenances. The work will require that the pipeline be shut down for a short period in order to complete the system connections. The shutdown will occur during a low demand period, expected in January 2017.

The work site is a vacant lot adjacent to I-215 within RPU easements and Caltrans right-of-way. The work will occur mostly during normal daytime hours, with round-the-clock operations during the pipeline shutdown.

This project will not disrupt service to RPU water customers.

The project was advertised for construction bids on August 8, 2016, and bids were opened on August 31, 2016. The lowest responsive and responsible bid was submitted Trautwein Construction Co., Inc. Staff has reviewed all provided documentation and has determined that Trautwein Construction Co. Inc. has met all of the requirements of the specifications.

The seven bids received are summarized in the table below:

	<b><u>COMPANY</u></b>	<b><u>CITY LOCATION</u></b>	<b><u>BID TOTAL</u></b>
1.	<b>Trautwein Construction Co., Inc.</b>	<b>Riverside, CA</b>	<b>\$453,768</b>
2.	W.A. Rasic Construction Co., Inc.	Long Beach, CA	\$523,500
3.	WEKA, Inc.	Highland, CA	\$541,391
4.	Hemet Mfg. Co. Inc. dba Genesis Construction	Hemet, CA	\$647,322
5.	Los Angeles Engineering, Inc.	Covina, CA	\$676,780
6.	C.P. Construction Co., Inc.	Ontario, CA	\$744,875
7.	Norstar Plumbing and Engineering, Inc.	Alta Loma, CA	\$777,250

► *Engineer's Construction Cost Estimate: \$594,000*

The lowest bid received was less than the engineer's estimate largely due to better than expected prices for furnishing and installing the 48-inch CML&C Steel pipe and the 60-inch steel casing pipe.

The Purchasing Services Manager concurs with the award recommendation.

The project breakdown is proposed as follows:

<b>Project Breakdown</b>	
Engineering Performed By:	RPU Engineering staff
Construction Performed By:	Trautwein Construction Co., Inc.
Anticipated Start Date:	November 2016
Anticipated Duration:	3.5 months
Coordination Required With:	<ul style="list-style-type: none"> <li>▪ RPU Field Forces</li> <li>▪ Caltrans</li> </ul>
Reimbursements:	SANBAG

The total capital expenditure for Work Order No. 1703247 is estimated to be \$611,000 as summarized in the following table:

Description	Cost	Percent of Total
Design	\$16,855	2.8%
Construction (Trautwein Construction Co., Inc.)	\$453,768	74.3%
Construction Contingencies	\$45,377	7.4%
City Forces Construction Support	\$40,000	6.5%
Construction Management and Engineering Support	\$25,000	4.1%
Inspection and Geotechnical Testing	\$30,000	4.9%
<b>Work Order Total</b>	<b>\$611,000</b>	<b>100.0%</b>

**FISCAL IMPACT:**

Sufficient funds are available in the Public Utilities Street Improvement Account No. 6230000-470734. SANBAG will reimburse RPU for all costs in accordance with the Agreement for \$585,000. The Agreement allows for reimbursements up to 125% of the original estimate. All reimbursements will be recorded to Water Revenue Account No. 0000520-375023 as a contribution in aid for construction.

Prepared by: Todd L. Jorgenson, Public Utilities Assistant General Manager/Water  
Approved by: Girish Balachandran, 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, Utilities Assistant General Manager/Finance

Attachment:

1. Utility Agreement No. 23786 with SANBAG
2. Presentation

