



Arts & Innovation

I-215 BARTON ROAD INTERCHANGE 48-INCH WATER PIPELINE RELOCATION AND ENCASEMENT PROJECT

***Board of Public Utilities
September 26, 2016***

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Background

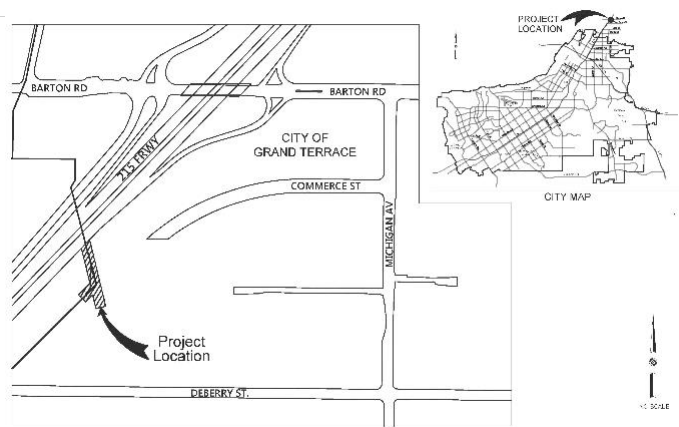
- Improvements to the I-215 Barton Road Interchange.
 - Bridge improvements
 - Realign on- and off-ramps
 - Modifications to local streets
- RPU's 48-inch pipeline in conflict with off-ramp improvements
- SANBAG will reimburse costs.
- Board recommended approval of the Utility Agreement on March 14, 2016.
- Council approved the Utility Agreement on April 19, 2016.

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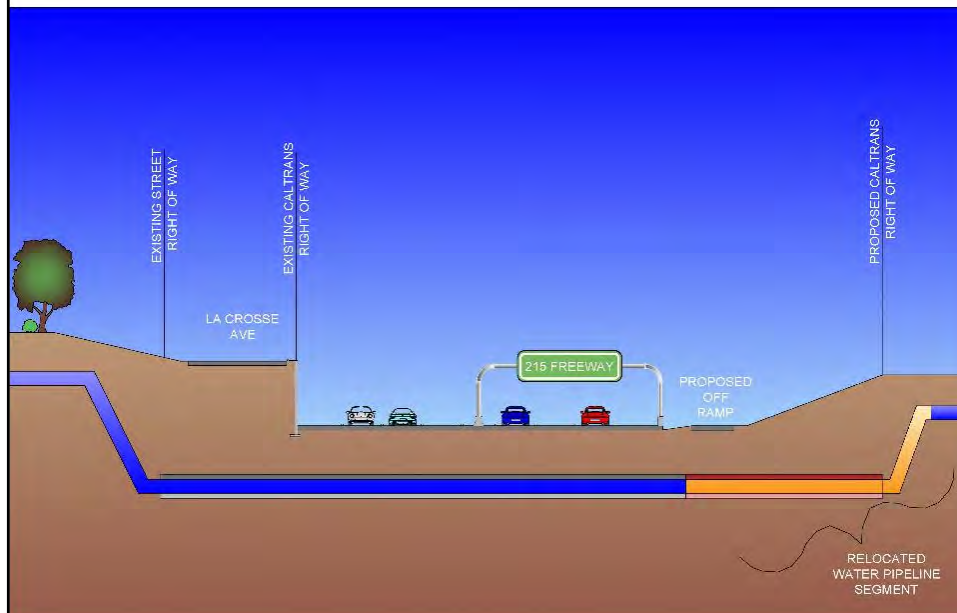
Project Map



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Project Schematic



Project Description

- 180 linear feet of 48-inch cement mortar lined and coated steel pipeline.
- 65 linear feet of 60-inch steel casing pipe.
- Installation of appurtenances.
- Shutdown existing 48-inch pipeline for system connections.

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Bid Results

	<u>COMPANY</u>	<u>CITY LOCATION</u>	<u>BID TOTAL</u>
1.	Trautwein Construction Co., Inc.	Riverside, CA	\$453, 768
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

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Project Breakdown

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"> ▪ RPU Field Forces ▪ Caltrans
Reimbursements:	SANBAG

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Project Budget Breakdown

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%
Work Order Total	\$611,000	100.0%

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Recommendations

That the Board of Public Utilities:

1. Award a contract for the construction of the I-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.

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