

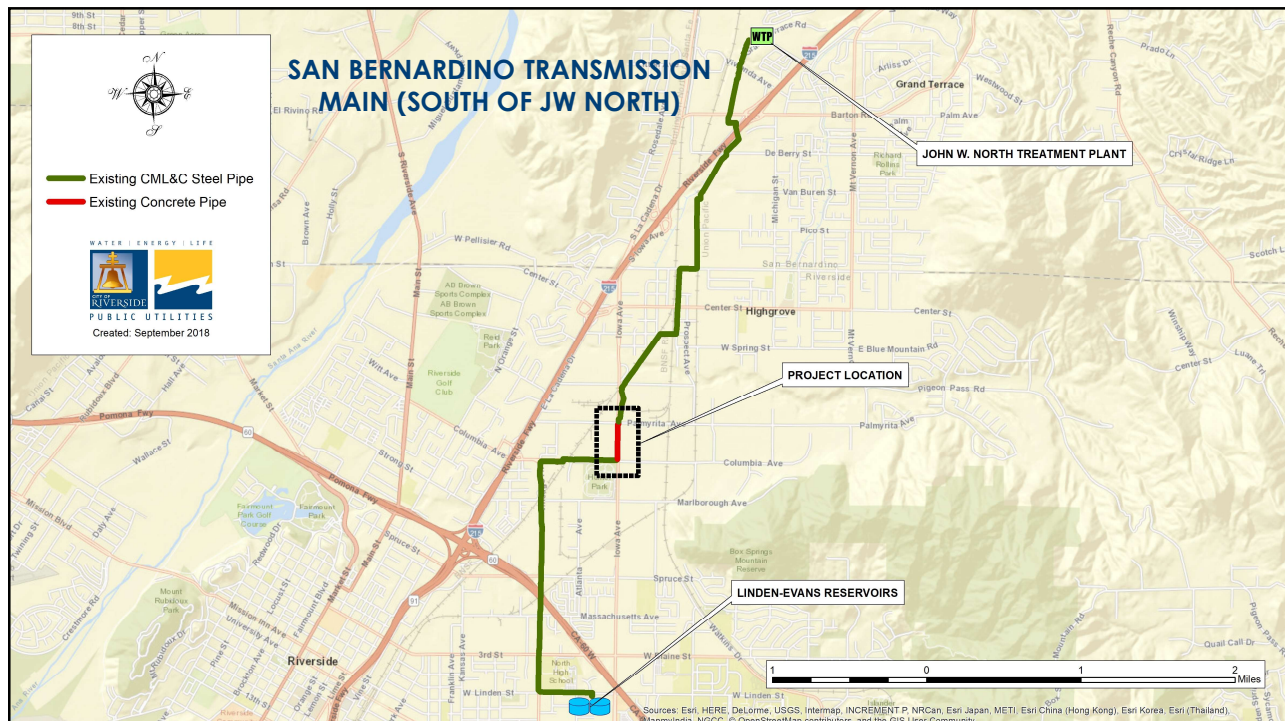


Iowa Avenue Transmission Main Replacement Project

Public Utilities Department

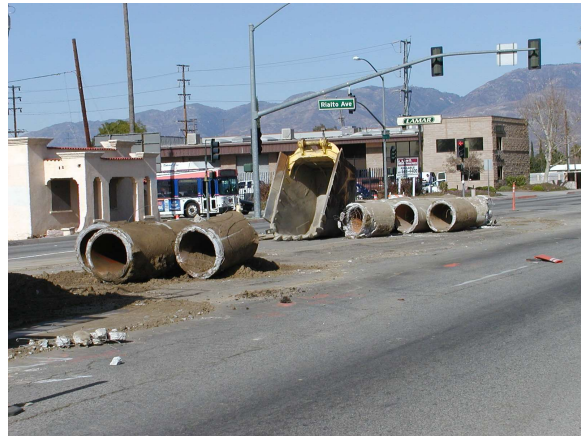
Board of Public Utilities
October 22, 2018

RiversideCA.gov



BACKGROUND

1. 1920's era SBTM was concrete pipe
 - A. Concrete pipeline is strong
 - B. Joints are fragile
2. SBTM began leaking in February 2018
 - A. (Iowa Ave between Palmyrita and Columbia Avenues)
3. Repairs were made but pipeline continues to leak



3



RiversideCA.gov

BACKGROUND (CONT.)



Water surfacing from the Iowa Avenue pipeline leak

Affected pavement from the Iowa Avenue pipeline leak



4

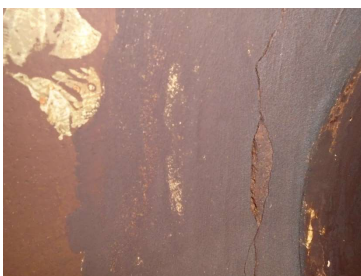


RiversideCA.gov

BACKGROUND (CONT.)



Circumferential pipe crack



Repaired crack



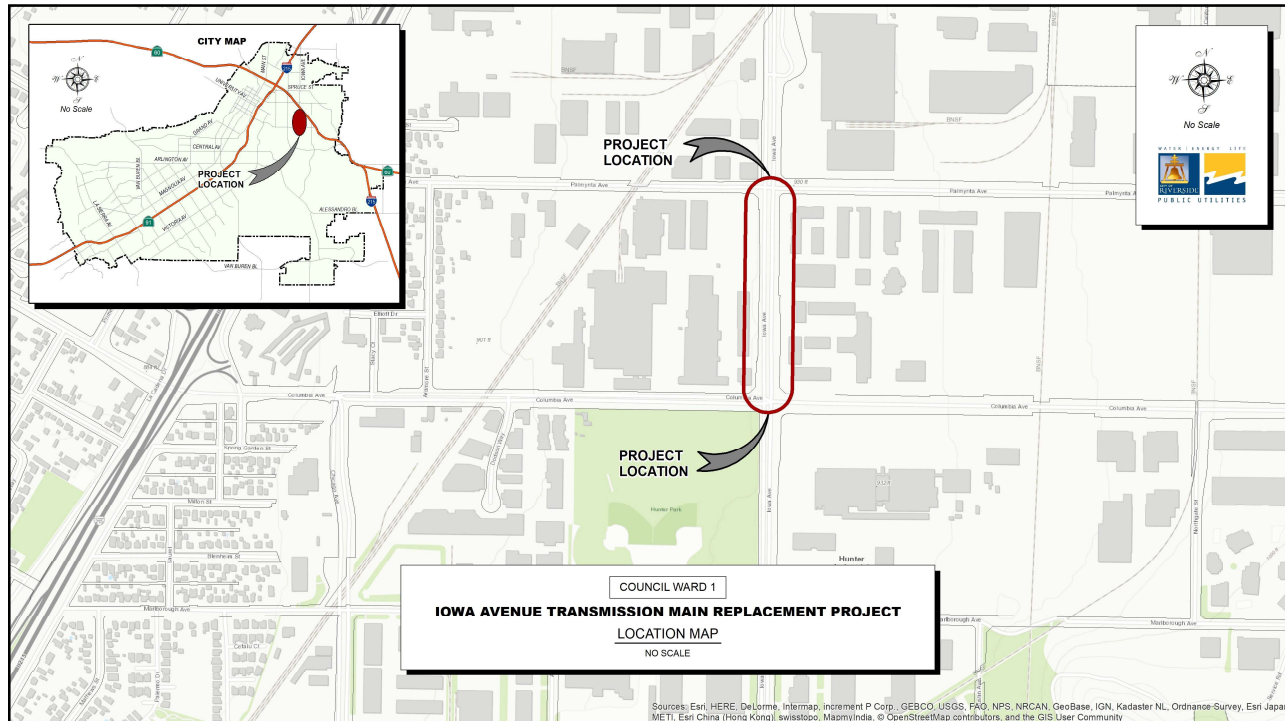
5

RiversideCA.gov

BACKGROUND (CONT.)

Industrial Booster Station

RiversideCA.gov



PROJECT DESCRIPTION

1. Steel Pipe
 - A. 1,240 feet of 48-inch



2. Re-purpose Industrial Booster Station and Install Water Meter



PROJECT DESCRIPTION (CONT.)

3. Trench Paving



9

RiversideCA.gov

BID RESULTS

1. The project was advertised on August 31, 2018.
2. A pre-bid conference was held on September 6, 2018.
3. Bids were opened on September 20, 2018.
4. Four bids were received.



10

RiversideCA.gov

BID RESULTS (CONT.)

Rank	Vendors	City Location	Bid Total
1.	Trautwein Construction, Inc.	Riverside, CA	\$1,639,242
2.	Weka, Inc.	Highland, CA	\$1,869,445
3.	C.P. Construction Co, Inc.	Ontario, CA	\$2,491,650
4.	T.E. Roberts, Inc.	Orange, CA	\$3,001,110

*Engineer's Construction Cost Estimate \$1,616,000



11

RiversideCA.gov

PROJECT BREAKDOWN

Project Breakdown:	
Engineering Performed By:	RPU Engineering Staff
Construction Performed By:	Trautwein Construction, Inc.
Anticipated Start Date:	November 2018
Anticipated Duration:	4 months
Coordination Required With:	<ul style="list-style-type: none"> ▪ RPU Water Field Forces ▪ RPU Water Operations ▪ Public Works Department ▪ Nearby Businesses
Reimbursements:	None



12

RiversideCA.gov

PROJECT BUDGET BREAKDOWN

Task Description (Performed By)	Total	Percent of Total
Design (Internal Staff)	\$46,726	2.2%
Structural Analysis (Informal Procurement – Tetra Tech, Inc.)	\$5,108	0.2%
Construction (Formal Procurement – Trautwein Construction, Inc.)	\$1,639,242	76.6%
Construction Change Order Authority	\$163,924	7.7%
City Forces Construction Support (Internal Staff, Informal Procurement, if needed)	\$60,000	2.8%
Engineering Support, Construction Management and Inspection (Internal Staff, Informal Procurement, if needed)	\$195,000	9.1%
Geotechnical and Materials Testing (Informal Procurement – Vendor To Be Determined)	\$30,000	1.4%
Work Order Total	\$2,140,000	100.0%



13

RiversideCA.gov

RECOMMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. RPU-7597 to Trautwein Construction, Inc., of Riverside, California, in the amount of \$1,639,242;
2. Authorize change order authority for the Trautwein Construction, Inc. Construction Contract in the amount of 10% or \$163,924 for Bid No. RPU-7597; and
3. Approve the capital expenditure for Work Order No. 1903811 in the amount of \$2,140,000 which includes all design, construction, paving, contract administration, inspection and construction change order authority costs for the Iowa Avenue Transmission Main Replacement Project.



14

RiversideCA.gov