

Jackson Street Recycled Water Pipeline Project (Phase I)

Riverside Public Utilities

Riverside Board of Public Utilities Meeting
June 12, 2017

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BACKGROUND

1. Expand existing recycled water system
2. Backbone for future expansion
3. Phase 1 – Van Buren Blvd. to Don Derr Park
4. CEQA exemption



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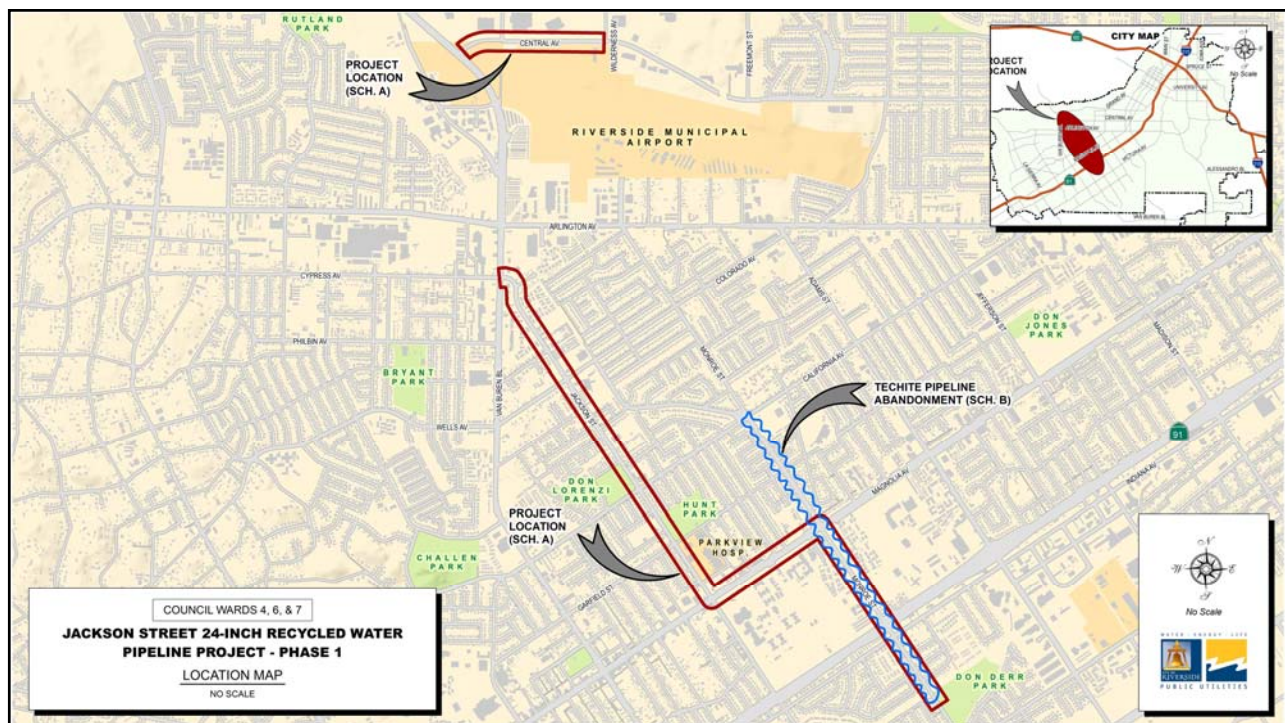
BACKGROUND (CONT.)

5. \$1M construction grant through the Santa Ana Watershed Project Authority (SAWPA)
6. Potential funding opportunities through the State Water Resources Control Board (SWRCB)



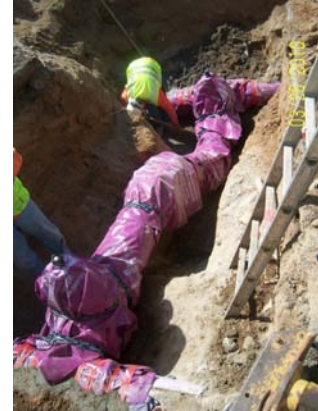
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PROJECT ELEMENTS

1. Steel Pipe
 - a) 14,900 feet of 24-inch
2. Ductile Iron Pipe
 - a) 380 feet of 24-inch
 - b) 220 feet of 12-inch
 - c) 3,000 feet of 8-inch



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PROJECT ELEMENTS (CONT.)

3. Bore and jack
 - a) 8-inch pipe inside 16-inch casing
 - b) Beneath UPRR
4. Casing pipe (open trench)
 - a) Beneath 91 freeway bridge
 - b) Beneath BNSF bridge
 - c) MWD pipe crossing



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PROJECT ELEMENTS (CONT.)

5. Surge suppression tank



6. Potable water emergency connection



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PROJECT ELEMENTS (CONT.)

7. 14 recycled water services



8. Paving per PW standards



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PROJECT ELEMENTS (CONT.)

9. Abandon 7,000 feet of unused 42-inch and 48-inch techite pipeline
 - a) Fill with slurry
 - b) Eliminate future risk of sinkholes
10. Short segment of existing techite to be used as host pipe
 - a) Intersection of Monroe Ave and Indiana Ave



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BID RESULTS – SCHEDULE A

| | <u>COMPANY</u> | <u>CITY LOCATION</u> | <u>BID TOTAL</u> |
|----|--|----------------------|-----------------------|
| 1. | MNR Construction Inc. (NON-RESPONSIVE) | Baldwin Park, CA | \$6,676,400.00 |
| 2. | Trautwein Construction, Inc. | Riverside, CA | \$6,976,859.00 |
| 3. | DDH Apple Valley Construction, Inc. | Apple Valley, CA | \$7,474,749.50 |
| 4. | Downing Construction, Inc. | Redlands, CA | \$7,480,310.00 |
| 5. | Weka, Inc. | Highland, CA | \$7,799,501.00 |
| 6. | C.P. Construction Co., Inc. | Ontario, CA | \$8,172,028.00 |
| 7. | CCL Contracting, Inc. | Escondido, CA | \$8,673,938.00 |
| 8. | Colich & Sons L.P. | Gardena, CA | \$9,712,530.00 |

► Engineer's Construction Cost Estimate \$7,088,000



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BID RESULTS – SCHEDULE B

| | <u>COMPANY</u> | <u>CITY LOCATION</u> | <u>BID TOTAL</u> |
|----|--|----------------------|------------------|
| 1. | Trautwein Construction, Inc. | Riverside, CA | \$185,601.00 |
| 2. | Colich & Sons L.P. | Gardena, CA | \$251,000.00 |
| 3. | CCL Contracting, Inc. | Escondido, CA | \$297,200.00 |
| 4. | MNR Construction Inc. (NON-RESPONSIVE) | Baldwin Park, CA | \$307,300.00 |
| 5. | Weka, Inc. | Highland, CA | \$349,820.00 |
| 6. | Downing Construction, Inc. | Redlands, CA | \$368,200.00 |
| 7. | DDH Apple Valley Construction, Inc. | Apple Valley, CA | \$442,332.00 |
| 8. | C.P. Construction Co., Inc. | Ontario, CA | \$789,050.00 |

► Engineer's Construction Cost Estimate \$260,000



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PROJECT BREAKDOWN

| | |
|----------------------------------|---|
| Engineering Performed By: | RPU Engineering staff |
| Construction To Be Performed By: | Trautwein Construction, Inc. |
| Anticipated Start Date: | July 2017 |
| Anticipated Duration: | 13 months |
| Coordination Required With: | <ul style="list-style-type: none"> ▪ RPU Field Forces ▪ Public Works ▪ Caltrans ▪ Union Pacific Railroad ▪ BNSF Railroad ▪ Metropolitan Water District of Southern California ▪ California Department of Water Resources, Division of Drinking Water |
| Reimbursements: | <ul style="list-style-type: none"> ▪ Grant from the Santa Ana Watershed Project Authority (SAWPA) in the amount of \$1,000,000 (\$500,000 upon completion of each phase) ▪ Possible funding through the Water Recycling Funding Program (WRFP) |



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PROJECT BUDGET BREAKDOWN

| Description | Cost | Percent of Total |
|--|--------------------|------------------|
| Construction (Trautwein Construction, Inc.) | \$7,162,460 | 83.2% |
| Construction Contingencies | \$171,625 | 2.0% |
| City Forces Construction Support | \$200,000 | 2.3% |
| Construction Management and Engineering Support | \$224,915 | 2.6% |
| Inspection and Geotechnical Testing | \$350,000 | 4.1% |
| Increase to Work Order | \$8,109,000 | |
| | | |
| Original Work Order amount for upfront Design and Utility Potholing, authorized January 22, 2016 | \$500,000 | 5.8% |
| Revised Work Order Total | \$8,609,000 | 100.0% |



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RECOMMENDATIONS

That the Board of Public Utilities:

1. Reject as non-responsive the bid submitted by MNR Construction, Inc. of Baldwin Park, California, in the amount of \$6,983,700 (Schedule A: \$6,676,400 + Schedule B: \$307,300);
2. Award a contract for the construction of the Jackson Street Recycled Water Pipeline Project (Phase I) – Bid No. RPU-7465 to the lowest responsive and responsible bidder, Trautwein Construction, Inc. of Riverside, California, in the amount of \$7,162,460 (Schedule A: \$6,976,859 + Schedule B: \$185,601);



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RECOMMENDATIONS (CONT.)

3. Approve the increased expenditure for Work Order No. 1521905 of \$8,109,000 for a revised total of \$8,609,000, which includes all design, construction, paving, contract administration, inspection, and construction contingency costs for the Jackson Street Recycled Water Pipeline Project (Phase I).

