



Jackson Street Recycled Water Pipeline Project (Phase I)

Riverside Public Utilities

Board of Public Utilities
November 27, 2017

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BACKGROUND

1. Jackson Street 24-inch Recycled Water Pipeline Project (Phase I)
 - a. Awarded June 12, 2017
 - b. Notice to Proceed, July 17th, 2017
 - c. 25% complete
2. Backbone for future recycled water system expansion



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BACKGROUND (CONT.)

3. Scope of work

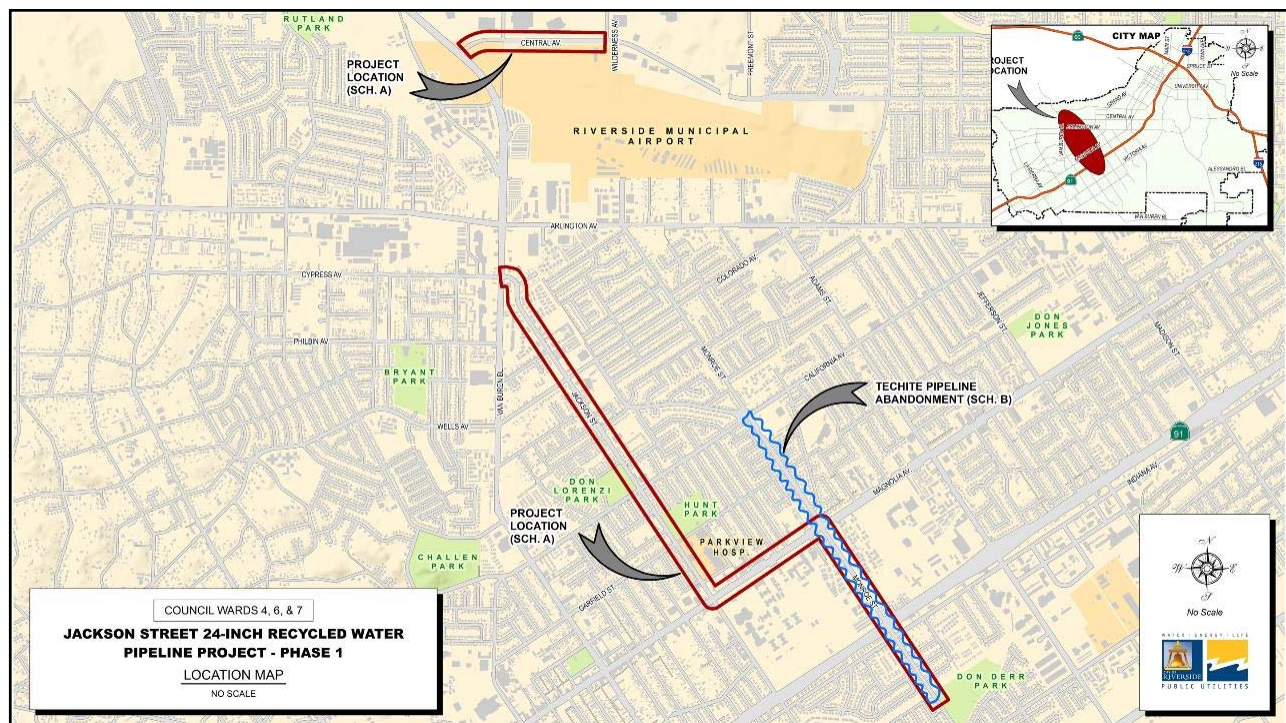
- a. Install 15,600 ft of 24-inch pipeline
- b. Install 3,100 ft of 8-inch pipeline in Central
- c. Properly abandon 7,000 ft of techite pipe

4. Project cost \$8.6 Million



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CONSTRUCTION ISSUES

1. Central Ave
 - a. Ductbank conflict
 - b. Realign jacking pit



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CONSTRUCTION ISSUES (CONT.)

2. Abandon techite pipe
 - a. Unknown bulkhead
blocked slurry



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CONSTRUCTION ISSUES (CONT.)

3. Monroe Street
 - a. Abandoned vault forces realignment



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CONSTRUCTION ISSUES (CONT.)

4. Recycled water customers



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PROPOSED INCREASE IN EXPENDITURES

Item No.	Description	Cost
1	Additional excavation pits to abandon the remainder of the techite pipe.	\$90,000
2	Additional realignment of the pipeline due to conflicts with gas lines.	\$25,000
3	Installation of Additional Recycled Water Services	\$120,000
4	Additional Construction Contingencies for Jackson St, Magnolia Ave, and remaining portions of Monroe St.	\$195,000
	Increase to Work Order	\$430,000



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PROJECT BUDGET BREAKDOWN

Description	Original Cost	Additional Cost	Revised Cost	Percent of Total
Construction (Trautwein Construction, Inc.)	\$7,162,460	\$0.00	\$7,162,460	79.2%
Construction Contingencies	\$171,625	\$430,000	\$601,625	6.7%
City Forces Construction Support	\$200,000	\$0.00	\$200,000	2.2%
Construction Management & Engineering Support	\$224,915	\$0.00	\$224,915	2.5%
Inspection and Geotechnical Testing	\$350,000	\$0.00	\$350,000	3.9%
Increase to Work Order		\$430,000		
Original Work Order amount for upfront Design and Utility Potholing authorized January 22, 2016	\$500,000	\$0.00	\$500,000	5.5%
Revised Work Order Total	\$8,609,000		\$9,039,000	100.0%



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RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve the increased expenditure of \$430,000 for Work Order No. 1521905 for a revised total of \$9,039,000, which includes all design, construction, paving and construction contingency costs for the Jackson Street 24-Inch Recycled Water Pipeline Project (Phase I); and
2. Authorize staff to issue changes orders in an amount not to exceed \$430,000 to the construction contract with Trautwein Construction, Inc., for the Jackson Street Recycled Water Pipeline Project (Phase I) – Bid No. RPU-7465.



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