

CONSTRUCTION OF THE GRATTON STREET TEMPORARY HIGHLINES AND WATER MAIN RELOCATION PROJECT

Riverside Public Utilities

Board of Public Utilities
July 26, 2021

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BACKGROUND

1. Public Works is constructing ~ 2.12 miles of 12-inch to 78-inch storm drain pipes and ancillary structures in the Arlington Greenbelt as part of their Monroe Master Drainage Plan Line E Stages 2 and 3, Line E-2 and Line E-5 Storm Drain Project.
2. During heavy or prolonged rain events, soil becomes saturated and excess water can flood homes, business, roadway facilities and can undermine existing utilities located beneath the roadbed.
3. Public Works' project will alleviate flooding concerns, and storm drains are a critical component of a roadway network in providing safe travel lanes and protecting roadway facilities and surrounding properties.



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BACKGROUND (CONT.)

4. A segment of 72-inch storm drain pipe and its associated catch basins and system connections is proposed to be installed within Gratton Street which will conflict with an existing 8-inch water main at the intersection of Gratton and Dufferin; the existing 8-inch water main will need to be temporarily removed.
5. Two temporary highlines will be constructed to accommodate the storm drain construction; ~100 LF of 8-inch DIP temporary highline will be constructed to maintain water service around the utility conflict to supply the Gratton Booster Station downstream; and a second temporary water service highline will be constructed to maintain service to an existing customer.
6. Once the 72-inch storm drain pipe, associated appurtenances and system tie-ins have been constructed, ~90 LF of new 8-inch DIP water main will be constructed in a new alignment by RPU Field Forces.



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DISCUSSION

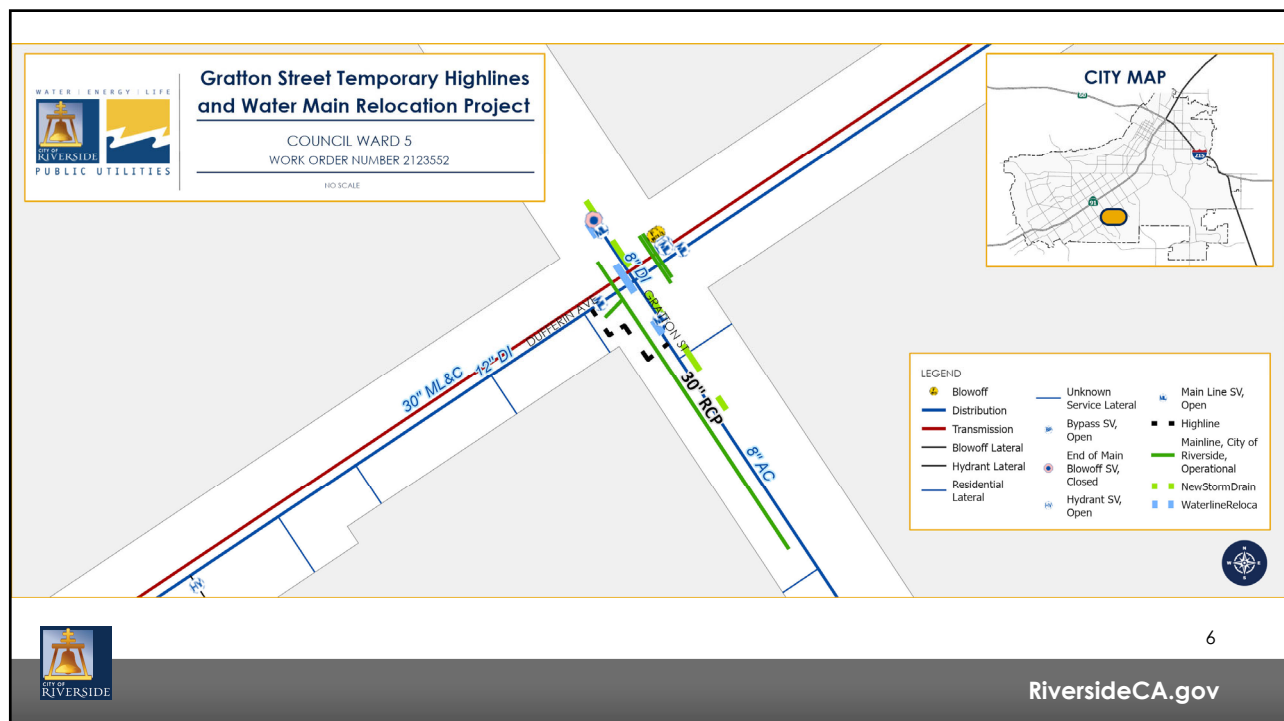
1. The Project will consist of the construction of two temporary highlines, abandonment of ~87 LF of existing 8-inch DIP within the intersection of Gratton Street and Dufferin Avenue and construction of 90 LF of 8-inch DIP within a new alignment.
2. Construction of the waterline facilities will be performed by RPU Field Forces and the temporary highlines will ensure that water service is maintained to RPU customers.
3. RPU will be performing standard trench paving per Public Works Standards and coordinate with Public Works on the final paving at the intersection.
4. Total construction cost is estimated at \$109,000, of which Public Works will reimburse RPU for 50% of the construction costs, up to \$54,500.



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PROJECT BREAKDOWN

Project Breakdown:	
Construction to be Performed By:	Riverside Public Utilities, City Field Forces
Anticipated Start Date:	September 2021
Anticipated Duration:	2 weeks
Coordination Required With:	<ul style="list-style-type: none"> ▪ RPU Field Forces ▪ Public Works
Reimbursements:	Public Works (\$54,500)



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PROJECT BREAKDOWN

Description	Cost	Percent of Total
Design ¹	\$0	0%
Construction (City Forces)	\$85,500	78.0
Construction Contingencies	\$8,500	7.8%
Paving Budget	\$15,000	13.8%
Work Order Total²:	\$109,000	100.0%



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RECOMMENDATION

That the Board of Public Utilities approve the expenditure of \$109,000 for Work Order No. 2123552, which includes all construction, paving and construction contingency costs for the Gratton Street Temporary Highlines and Water Main Relocation Project with a reimbursement of 50% of the total work order expenditure, up to \$54,500, from Public Works for their share of the water main relocation costs.



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