

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE: JULY 26, 2021**

**SUBJECT: CONSTRUCTION OF THE GRATTON STREET TEMPORARY HIGHLINES AND WATER MAIN RELOCATION PROJECT – 90 FEET OF NEW POTABLE WATER PIPELINE - WORK ORDER NO. 2123552 FOR \$109,000 – REIMBURSEMENT OF UP TO \$54,500 FROM PUBLIC WORKS**

**ISSUE:**

Consider approving 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.

**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.

**BACKGROUND:**

The Public Works Department (Public Works) will be constructing approximately 2.12 miles of 12-inch to 78-inch storm drain pipes and ancillary structures in the Arlington Greenbelt Area as part of their Monroe Master Drainage Plan Line E Stages 2 and 3, Line E-2 and Line E-5 Storm Drain Project to alleviate flooding concerns. Many of these properties are in or near agricultural zones and are surrounded by large parcels and landscaping businesses which, during rain events, may be impacted by significant water sheet flow. During heavy or prolonged rain events, the soil becomes saturated and excess water can flood homes, businesses, roadway facilities, and can undermine the existing utilities located beneath the roadbed. Storm drains are a critical component of a roadway network as they help collect, convey, remove, and dispose of surface water runoff to provide safe travel lanes and protect roadway facilities and surrounding properties. On June 8, 2021, the City Council approved the award of Bid No. 7718 to construct this project.

A segment of 72-inch storm drain pipe and its associated catch basins and system connections is proposed to be installed within Gratton Avenue which will be in conflict with an existing 8-inch Riverside Public Utilities (RPU) water main running parallel to the proposed storm drain alignment at the intersection of Gratton Street and Dufferin Avenue. Due to the limited separation distance

between the two pipelines, it will be necessary for two temporary highlines to be constructed, and an approximately 87 linear feet (LF) of the conflicting existing 8-inch DIP be removed to accommodate Public Works' storm drain construction. Approximately 100 LF of 8" DIP temporary highline will be constructed to maintain water service around the utility conflict, which is necessary to supply the Gratton Booster Station downstream of this location. A second temporary water service highline is to be constructed to maintain service to the customer at the corner of Gratton Street and Dufferin Avenue. Once Public Works has completed installation of the 72-inch storm drain pipe, associated appurtenances and system tie-ins, an approximately 90 LF of new 8-inch DIP water main will be constructed in a new alignment by RPU Field Forces.

## **DISCUSSION:**

The water main relocation work will entail the construction of two temporary highlines, abandonment of approximately 87 LF of existing 8-inch ductile iron pipe within the intersection of Gratton Street and Dufferin Avenue that was installed in 2009, and construction of approximately 90 LF of 8-inch ductile iron pipe within a new alignment.

The Water Division's Field Forces will construct the work and it will not affect water service to RPU customers. RPU will be responsible for standard trench paving per PW standards. Public Works contractor will be completing the permanent repaving for this project. A budgetary estimate for the RPU's trench paving work has been included in this authorization.

The project breakdown is as follows:

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

The estimated expenditure for Work Order No. 2123552 is \$109,000, as summarized in the following table:

<b>Description</b>	<b>Cost</b>	<b>Percent of Total</b>
Design <sup>1</sup>	\$0	0%
Construction (City Forces)	\$85,500	78.0
Construction Contingencies	\$8,500	7.8%
Paving Budget	\$15,000	13.8%
<b>Work Order Total<sup>2</sup>:</b>	<b>\$109,000</b>	<b>100.0%</b>

**Notes:**

1. Relocated pipeline to be offset in the field and not require any design services.
2. Rounded up to nearest \$500.

**FISCAL IMPACT:**

The total fiscal impact is \$109,000, of which up to \$54,500 will be paid for by Public Works. Sufficient funds are available in the Public Utilities Water Capital Street Improvements Account No. 6230000-470734.

Prepared by: Michael L. Plinski, Engineering Manager  
Approved by: Todd M. Corbin, Utilities General Manager  
Approved by: Al Zelinka, FAICP, City Manager  
Approved as to form: Kristi J. Smith, Interim City Attorney

Concurs with: Gil Hernandez, Interim Public Works Director

Certifies availability of funds: Edward Enriquez, Chief Financial Officer/City Treasurer

Attachments:  
1. Site Map  
2. Presentation