



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: June 18, 2018

Re: Authorizing Construction- Portland Street & Lansing Street Water Main Replacement

Executive Summary

Staff has prepared for council consideration an Ordinance authorizing construction for the replacement of water distribution infrastructure along portions of Portland Street and Lansing Street, adjacent to the University of Missouri's Women's & Children's Hospital. Funding for this project has been appropriated under Capital Improvement Project No. W0130 for water main replacements and is anticipated not to exceed \$220,000.

Discussion

The Columbia Water & Light Department has identified the need to upgrade water distribution infrastructure along portions of Portland Street and Lansing Street adjacent to the University of Missouri's Women's & Children's Hospital. The proposed improvements would be part of a joint project in partnership with the University of Missouri.

The hospital and adjacent properties are served by aging 6" cast iron water mains along Lansing and Portland Streets and a 12" AC water main along Keene Street. Maintenance records show that the cast iron water mains in this area have experienced increasing failure rates as these water mains deteriorate with age. The proposed plans for construction along Lansing and Portland Streets would replace and upgrade these aging 6" cast iron water mains to 8" PVC water mains meeting current design standards. This upgrade will increase the fire flows available to the area as well as provide a higher level of reliability to the hospital and surrounding properties.

This water main replacement is planned to take place within existing right of way. Existing fire hydrants will be replaced and all customer's water services will be transferred to the new water main upon placing the new main in service at no additional cost.

The total estimated cost for the project as designed is \$757,442 with the City's portion estimated to be \$200,802. Payment for this project is planned to be made from funds appropriated under Capital Improvement Project No. W0130 for water main replacements.

Fiscal Impact

Short-Term Impact: An estimated cost of \$200,801.65 not to exceed \$220,000 will be funded under Capital Improvement Project No. W0130.

Long-Term Impact: None



Strategic & Comprehensive Plan Impacts

[Strategic Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
	None.

Suggested Council Action

Approve the Ordinance authorizing construction of the Portland Street and Lansing Street Water Main Replacement Project.