



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: June 18, 2018

Re: Authorizing a Water Main Cost-Share Agreement between City of Columbia and The Curators of the University of Missouri.

## Executive Summary

Staff had prepared an Ordinance authorizing the city manager to enter into a Water Main Cost-Share Agreement with the Curators of The University of Missouri. The purpose of the agreement is to formalize the responsibilities of each party for a joint construction project replacing water mains along 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 University of Missouri contacted the City of Columbia with interest in upgrading the water lines serving the Women's & Children's Hospital to increase available fire flows for planned building improvements and increase service redundancy. The current service for the hospital relies on a single feed increasing the likelihood of an outage in the event of a water main failure. A secondary feed to the hospital that runs under portions of the building has been abandoned due to leaks that have developed beneath the structure that were determined to be unserviceable. After review of the University proposal, staff investigated the maintenance history and hydraulic adequacy of the surrounding water infrastructure and determined it would be in the City's and University's best interest to partner in a water main replacement project.

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 agreement will formalize the terms of the partnership for this proposed project, generally outlined as follows:

- The University will be responsible for the design contract resulting in bid documents jointly agreed to by both parties.
- The university will be responsible for procurement and management of the



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

construction contract with reasonable assistance from staff.

- The University will ultimately be responsible for inspection and direction of contractor allowing for city inspectors access to ensure construction is in accordance with city specifications and standards.
- Delineates responsibility of costs for the associated work as shown in Exhibit A and provides an estimate for these costs in Exhibit B.

The approximate total estimated cost for the project as designed is \$757,442 with the City's portion estimated to be \$200,802. The Agreement has a not to exceed value of \$220,000 for the City's portion of the project. After the project has been bid the City will issue payment to the University for the City's portion of the base bid amount and incremental payment to contractors will be handled by the University. Payment for this project is planned to be made from funds appropriated under Capital Improvement Project No. W0130 for water main replacements.

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.

Fiscal Impact
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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
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[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
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Date	Action
	None.



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## Suggested Council Action

Authorizing the city manager to execute a Water Main Cost-Share Agreement with The Curators of The University of Missouri for construction of the Portland Street and Lansing Street Water Main Replacement Project.