



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: June 7, 2021

Re: Authorizing construction of the Brown Station Road and Peabody Road Water Main Replacement Project and calling for bids through the Purchasing Division

Executive Summary

Staff has prepared for council consideration an ordinance authorizing construction and calling for bids through the Purchasing Division for a water main replacement project near the intersection of Brown Station Road and Peabody Road as shown on the attached diagram. The public hearing for this project was conducted on April 5, 2021. The resolution estimate for this improvement is \$180,000 and funding is currently appropriated under Capital Improvement Project W0230.

Discussion

The Columbia Water & Light Department has identified the need to replace water distribution infrastructure near the intersection of Brown Station Road and Peabody Road. The existing water mains in this location are constructed of 16-inch cast Iron and have experienced localized corrosion due to site soil conditions. The observed corrosion is taking place on the exterior of the pipe and is limiting the longevity and structural integrity of the cast iron pipe. Investigations have been completed to determine the extent and limits of the observed corrosion. These investigations revealed the corrosion is focused primarily on a stretch of pipe near the Peabody Road intersection and adjacent to the Colt Railroad Trans-Load facility. The existing pipe will be replaced with new 16-inch ductile iron piping encased within a polyethylene lining to prevent future corrosion issues. This project will replace approximately 750 lineal feet of deteriorated pipe. The new water main will provide greater reliability for customer's water supply and reduce required maintenance. This water main replacement is planned to take place within existing right of way and on property owned by the City of Columbia for railroad operations.

As part of the public improvement process, staff sent letters to all customers and land owners in the affected areas and held an interested parties meeting on March 14, 2019 and a public hearing was conducted on April 5, 2021. The resolution estimate for this project is \$180,000 and funding has been appropriated under project number W0230 of the Capital Improvement Program.

Fiscal Impact

Short-Term Impact: The resolution estimate is \$180,000 and funding has been appropriated under the Capital Improvement Project W0230.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Long-Term Impact: This project will have minimal impact on the water utility's annual operating cost.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

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

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Secondary, Tertiary Impact: Tertiary

Legislative History

Date	Action
04/05/2021	PH10-21: Proposed replacement of water distribution infrastructure near the intersection of Brown Station Road and Peabody Road.
03/15/2021	R35-21: Setting a public hearing: proposed replacement of water distribution infrastructure near the intersection of Brown Station Road and Peabody Road.
03/14/2019	Interested Parties Meeting Held

Suggested Council Action

Approve the ordinance authorizing construction of the Brown Station Road and Peabody Road Water Main Replacement Project and calling for bids through the Purchasing Division.