



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: April 5, 2021

Re: Public Hearing – Brown Station Road and Peabody Road Water Main Replacement

## Executive Summary

This public hearing is for the replacement of water distribution infrastructure near the intersection of Brown Station Road and Peabody Road. The resolution estimate for this improvement is \$180,000. Funding is already appropriated under Capital 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 estimated cost of this project is \$180,000.

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 landowners in the affected areas and held an interested parties meeting on March 14, 2019. At this time, all feedback received from customers and residents has been in support of this water main replacement.

Funding has previously been appropriated under project number W0230 of the Capital Improvement Program.

## Fiscal Impact

Short-Term Impact: Funding of \$336,000 has been appropriated for this Water Main Replacement Project under the Capital improvement Program project number W0230.  
Long-Term Impact: Reduced maintenance costs.



## Strategic & Comprehensive Plan Impact

### Strategic Plan Impacts:

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

### Comprehensive Plan Impacts:

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

## Legislative History

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

## Suggested Council Action

Direct staff to proceed with the final design for Brown Station Road and Peabody Road water main replacement project.