



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: April 5, 2021

Re: Public Hearing - Business Loop 70 Phase 6A Water Main Replacement

## Executive Summary

This public hearing is for the replacement of water distribution infrastructure on Business Loop 70 from Fay Street to Old Highway 63. The resolution estimate for this improvement is \$700,000. Funding is already appropriated under Capital Project W0200 for the Business Loop 70 Phase 6A Water Main Replacement Project.

## Discussion

The Columbia Water & Light Department has identified the need to replace water distribution infrastructure along Business Loop 70. The replacement is being completed in several phases, many of which have been completed. The current proposed phase, Phase 6A, includes approximately 3,400 lineal feet of 12-inch water main from Fay Street to Old Highway 63. The estimated cost of this project is \$700,000.

The existing water mains along the project corridor are constructed primarily of 8-inch and 12-inch cast iron pipe. These existing mains are located beneath the driving surface of Business Loop 70 and are difficult to maintain. The project was identified as necessary primarily due to these water mains approaching their expected lifespan and maintenance history. A failure of the water mains along this corridor pose dangerous and difficult conditions for conducting repairs. The proposed water main replacement would be constructed of 12-inch PVC meeting current standards and would be relocated out of the roadway within easement abutting the right of way. The new water mains will provide greater reliability for customer's water supply and increase water flow along a critical water distribution path while reducing possible impacts to traffic flow along a major roadway within Columbia. Fire hydrants will be replaced and spaced to meet current fire code along the route. Customer's water services will be transferred to the new water main at no cost to them.

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. At this time, all feedback received from customers and residents has been in support of this water main replacement.

## Fiscal Impact

Short-Term Impact: Funding of \$1,000,000 has been appropriated for this Water Main Replacement Project under the Capital improvement Program project number W0200.

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	R36-21: Setting a public hearing for the replacement of water distribution infrastructure on Business Loop 70 from Fay Street to Old Highway 63
03/14/2019	Interested Parties Meeting

## Suggested Council Action

Direct staff to proceed with the final design for the Business Loop 70 Phase 6A water main replacement project.