



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: June 3, 2019

Re: Public Hearing for the replacement of aging water distribution infrastructure along Country Club Drive South and Elliott Drive.

Executive Summary

A Public Hearing for the replacement of aging water distribution infrastructure along Country Club Drive South and Elliott Drive. The estimated cost for this improvement is \$560,000 and funding has been appropriated under project number W0273 of the Capital Improvement Program. An interested parties meeting for this project was held on March 14, 2019.

Discussion

The Water Utility has identified the need to replace water distribution infrastructure along Country Club Drive South and Elliott Drive.

The existing water mains within the project corridor consist of 4-inch and 6-inch cast iron and 6-inch asbestos concrete that were installed in the 1950's and early 1970's respectively. These aging water mains are nearing the end of their useful service life and are requiring increased levels of maintenance. Staff is proposing to replace these water mains with approximately 3000 feet of 8-inch PVC piping that meets current standards. Currently, the existing water mains along Elliott Drive and Country Club Drive South are radial feeds and the proposed project would complete a loop closure between these two mains in addition to replacing the aging infrastructure.

Water mains should be installed in looped configuration when possible. Looped water mains help to ensure continuity of service during outages, increase available flow, stabilize pressure, help to reduce water age and ensure water quality. The increased flow to the area resulting from the looped water main configuration is beneficial for fire protection scenarios.

This water main replacement is planned to take place within existing right of way and within utility easements to be acquired. Existing fire hydrants will be replaced and spaced to meet current fire code. 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, shown on the included diagram. An interested parties meeting was held on March 14, 2019 for several projects including Country Club Drive South and Elliott Drive (see attendance sign in sheet). No written was received for the Country Club Drive South and Elliott Drive project. Those in attendance seemed supportive of the project.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

The estimated cost for this improvement is \$560,000 and funding has been appropriated under project number W0273 for the Country Club Drive South and Elliott Drive Water Main Replacement Project in the Capital Improvement Program.

Fiscal Impact

Short-Term Impact: Funding of \$560,000 has been appropriated for the Water Main Replacement under the Capital improvement Program project number W0273.

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
5/20/19	Resolution Setting a Public Hearing for the replacement of aging water distribution infrastructure along Country Club Drive South and Elliott Drive.

Suggested Council Action

Direct staff to move forward with developing plans and specifications for the replacement of aging water distribution infrastructure along Country Club Drive South and Elliott Drive as described above.