

City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: (A)

Department Source: Water & Light

To: City Council

From: City Manager & Staff

Council Meeting Date: 11/16/2015

Re: Public Hearing - Sixth Street Water Main Upgrade

Documents Included With This Agenda Item

Council memo

Supporting documentation includes: Diagrams (construction, route, etc.)

Executive Summary

This is a public hearing for the necessary upgrades to the water mains along Sixth Street from Elm Street to Broadway. The estimated cost for this improvement is \$300,000 and funding has been appropriated under project number WT0177 of the Capital Improvement Program. Staff has notified the Downtown Community Improvement District and the University of Missouri of this intended project and made themselves available to discuss any potential impacts of it with interested parties.

Discussion

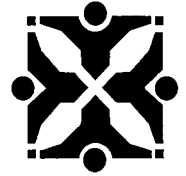
The Columbia Water & Light Department has identified the need to upgrade water distribution infrastructure along Sixth Street from Elm Street to Broadway. The existing water mains through the project corridor consist mostly of old 4-inch cast iron pipe. These aging water mains are showing increased need for maintenance and are nearing the end of their useful service life. The new main will be constructed of 8-inch PVC piping materials. The new main will provide greater reliability for customer's water supply as well as increase available flow to the area for fire protection purposes.

This water main replacement project is also being coordinated with sanitary sewer upgrades in the area as part of the Flat Branch Relief Sewer Improvement Project. Coordination of these projects will allow the new 8-inch water main to eliminate any conflicts with the gravity flow sanitary sewer design, reduce the amount necessary for pavement repairs, and minimize impact to the area for businesses and citizens.

This water main replacement is planned to take place within existing right of way. On the Southern portion of the project, from Elm Street to Locust Street, the new water main will be installed between the curb and sidewalk on the east side of the road. From Locust Street to

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Broadway the new main will be installed within the road pavement.

As part of this main replacement project, all fire hydrants and customer services tied to the existing main will be transferred to the upgraded main. This will allow the existing main to be retired from service. This project will also transfer customer services along Broadway from Fourth Street to Seventh Street from an existing 4-inch water main to an existing 12-inch water main. These transfers will allow the parallel 4-inch water main underneath Broadway to be retired, eliminating the need to service it in the future.

As part of the public improvement process staff has notified the Downtown Community Improvement District and the University of Missouri of the intention to replace this water main. Any concerns the Downtown Community Improvement District, the University of Missouri, or other interested parties have can be discussed with staff in the Water & Light engineering offices. At this time, no negative feedback has been received regarding this water main replacement.

Fiscal Impact

Short-Term Impact: Funding of \$300,000 has been appropriated for the Sixth Street water main upgrade under the Capital improvement Program project number WT0177.

Long-Term Impact: None.

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Downtown

Strategic Plan Impact: Infrastructure...Connecting the Community

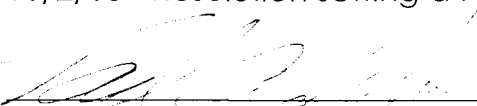
Comprehensive Plan Impact: Infrastructure

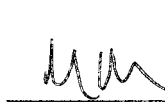
Suggested Council Action

Hold the public hearing on the Sixth Street Water Main Replacement. Should Council agree, staff recommends that Council approve B321-15.

Legislative History

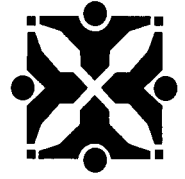
11/2/15 - Resolution setting a Public Hearing.


Department Approved


City Manager Approved

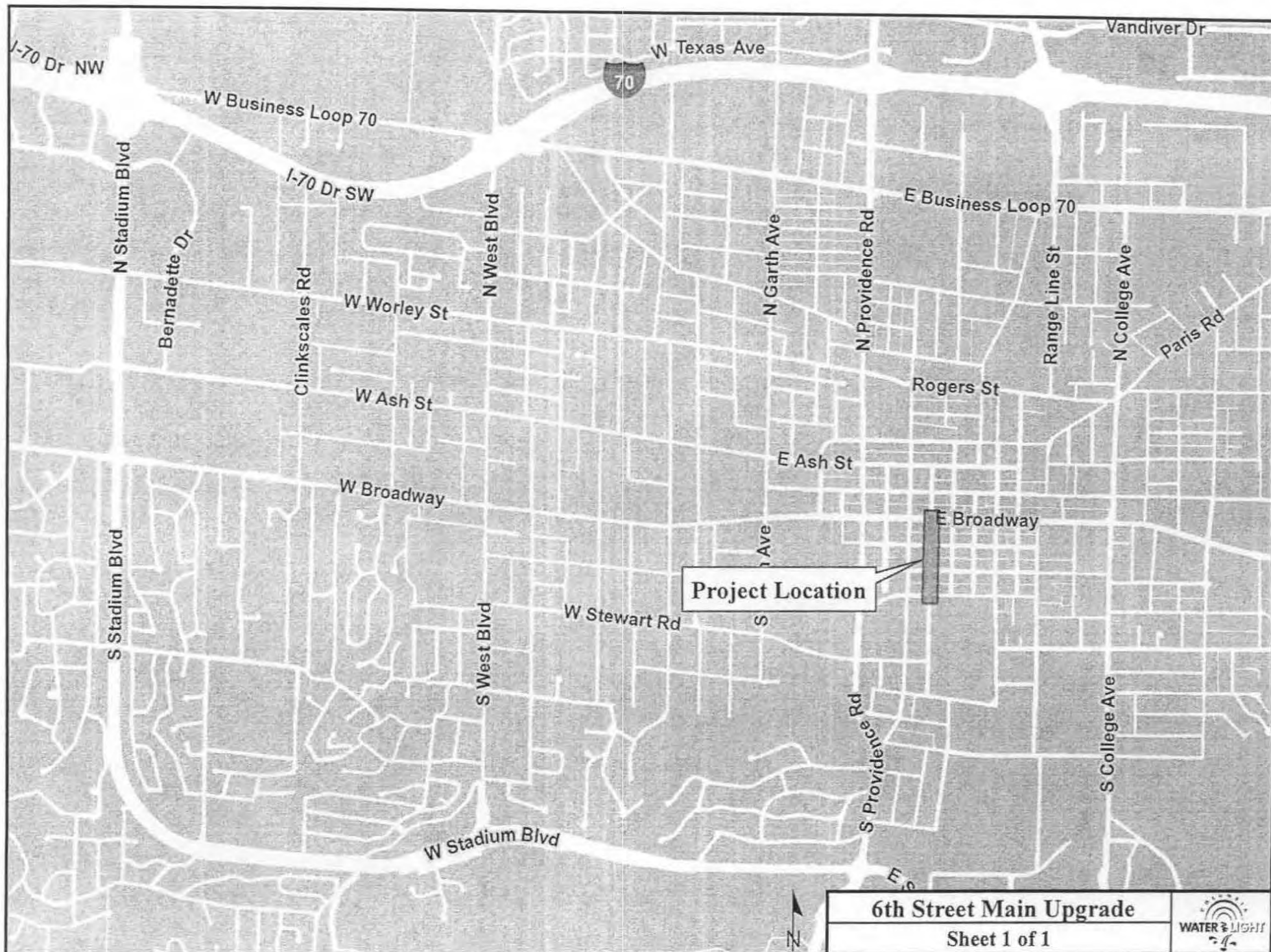
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**SUPPORTING DOCUMENTS INCLUDED WITH
THIS AGENDA ITEM ARE AS FOLLOWS:**

Diagrams (construction, route, etc.)



6th Street Main Upgrade

Sheet 1 of 1



