

City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: B 321-15

Department Source: Water & Light

To: City Council

From: City Manager & Staff

Council Meeting Date: 11/02/2015

Re: Ordinance to Bid - Sixth Street Water Main Replacement.

Documents Included With This Agenda Item

Council memo, Resolution/Ordinance

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

Executive Summary

Staff has prepared for council consideration an ordinance authorizing a call for bids through the Purchasing Division for the upgrade of 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 the 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 Elm Street to 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

City of Columbia

701 East Broadway, Columbia, Missouri 65201



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.

Upon City Council approval of this ordinance, final plans and specifications will be prepared for bidding through the Purchasing Division.

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

Approval of the ordinance authorizing the call for bids through the Purchasing Division for the Sixth Street water main replacement.

Legislative History


Department Approved


City Manager Approved

Introduced by _____

First Reading _____

Second Reading _____

Ordinance No. _____

Council Bill No. B 321-15

AN ORDINANCE

determining it is in the public interest to replace and upgrade water mains along a portion of Sixth Street between Elm Street and Broadway, and transferring all fire hydrants and customer services along a portion of Broadway between Fourth Street and Seventh Street; approving and adopting plans and specifications; determining that the work shall be done by contract; calling for bids through the Purchasing Division; providing for payment for the improvement; authorizing the City Manager to obtain, execute and record all documents necessary for the improvement; providing for compliance with the prevailing wage law and state-mandated construction safety training; and fixing the time when this ordinance shall become effective.

WHEREAS, the City Council adopted a resolution declaring the necessity for replacing and upgrading water mains along a portion of Sixth Street between Elm Street and Broadway, and transferring all fire hydrants and customer services along a portion of Broadway between Fourth Street and Seventh Street; and

WHEREAS, the notice of a public hearing on this project was published in a daily newspaper of general circulation in the city; and

WHEREAS, the City Council has held a public hearing on construction of the improvement.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The Council finds that the replacement and upgrade of 4-inch cast iron pipes with 8-inch PVC water mains along a portion of Sixth Street between Elm Street and Broadway, and transferring all fire hydrants and customer services from an existing 4-inch water main to an existing 12-inch water main along a portion of Broadway between Fourth Street and Seventh Street in the City of Columbia, Missouri, is necessary for the welfare and improvement of the city and that it is in the public interest that such improvements be made.

SECTION 2. The plans and specifications for this improvement, as prepared by the Director of Water and Light, are hereby approved.

SECTION 3. The construction of the improvement shall be done by contract in accordance with the plans and specifications, the laws of the State of Missouri, and the Charter and Ordinances of the City of Columbia, Missouri.

SECTION 4. The Purchasing Agent is hereby authorized to call for bids and execute a contract for the improvement.

SECTION 5. Payment for this improvement shall be made from the Water and Electric Fund using funds appropriated in Capital Improvement Project No. WT0177 and such other funds as may be lawfully appropriated.

SECTION 6. The City Manager is authorized to obtain, execute and have recorded all licenses, easements, deeds and any other conveyances or instruments necessary for the City to complete this improvement.

SECTION 7. The contract for the improvement shall provide that not less than the prevailing hourly rate of wages, as found by the Department of Labor and Industrial Relations of Missouri, shall be paid to all workers performing work under the contract. The contractor's bond shall guarantee the faithful performance of the prevailing hourly wage clause in the contract.

SECTION 8. The bid specifications and contract for the improvement shall provide that the contractor and any subcontractor shall provide a ten-hour Occupational Safety and Health Administration construction safety program (or a similar program approved by the Missouri Department of Labor and Industrial Relations) for all employees working on-site. All employees working on the site of the improvement are required to complete the safety program within 60 days of beginning work on the improvement project.

SECTION 9. This ordinance shall be in full force and effect from and after its passage.

PASSED this _____ day of _____, 2015.

ATTEST:

City Clerk

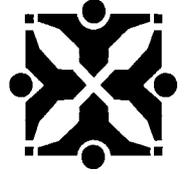
Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor

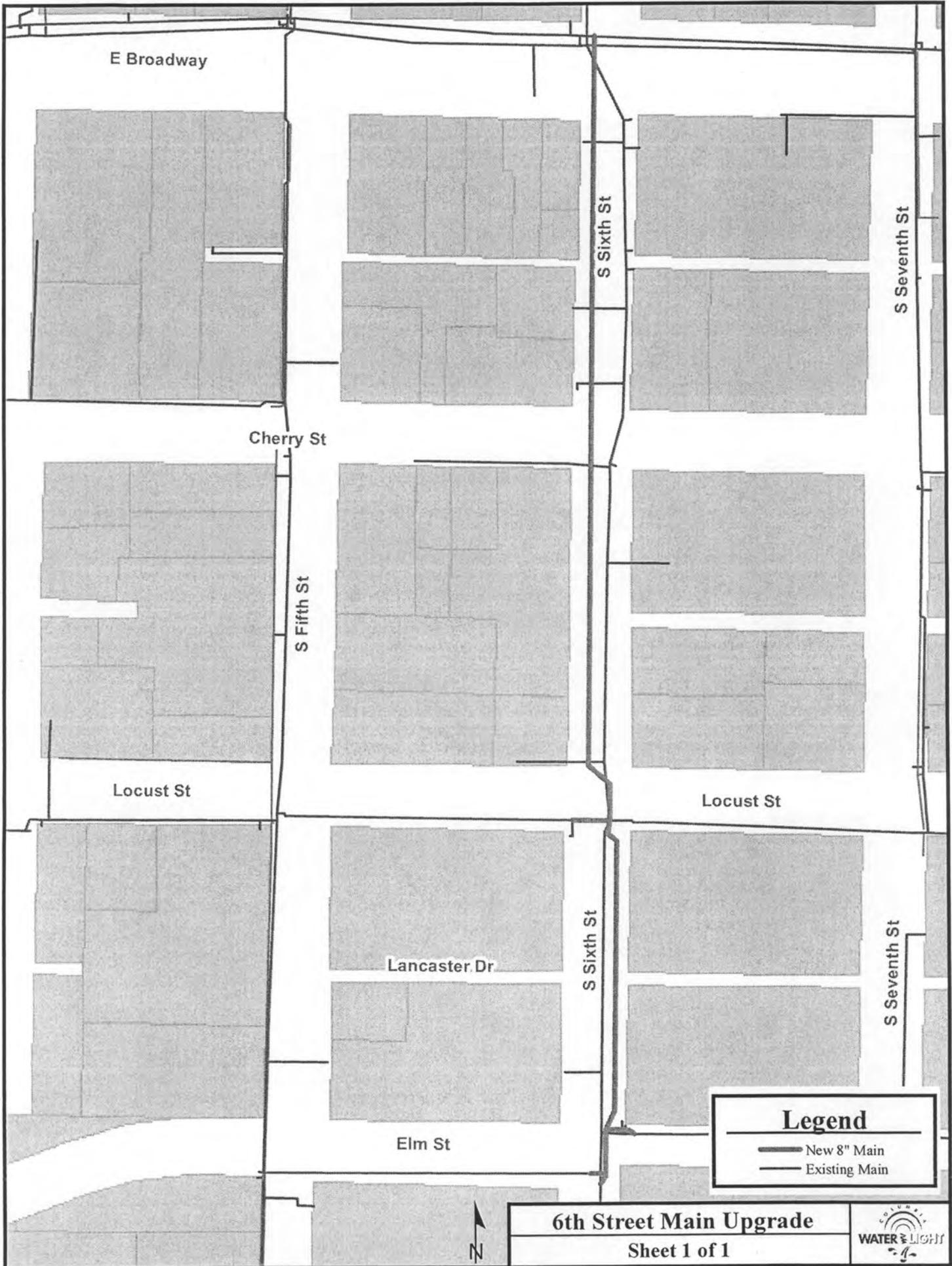
City of Columbia

701 East Broadway, Columbia, Missouri 65201



SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

Diagrams (construction, route, etc.)



E Broadway

S Sixth St

S Seventh St

Cherry St

S Fifth St

Locust St

Locust St

Lancaster Dr

S Sixth St

S Seventh St

Elm St

Legend

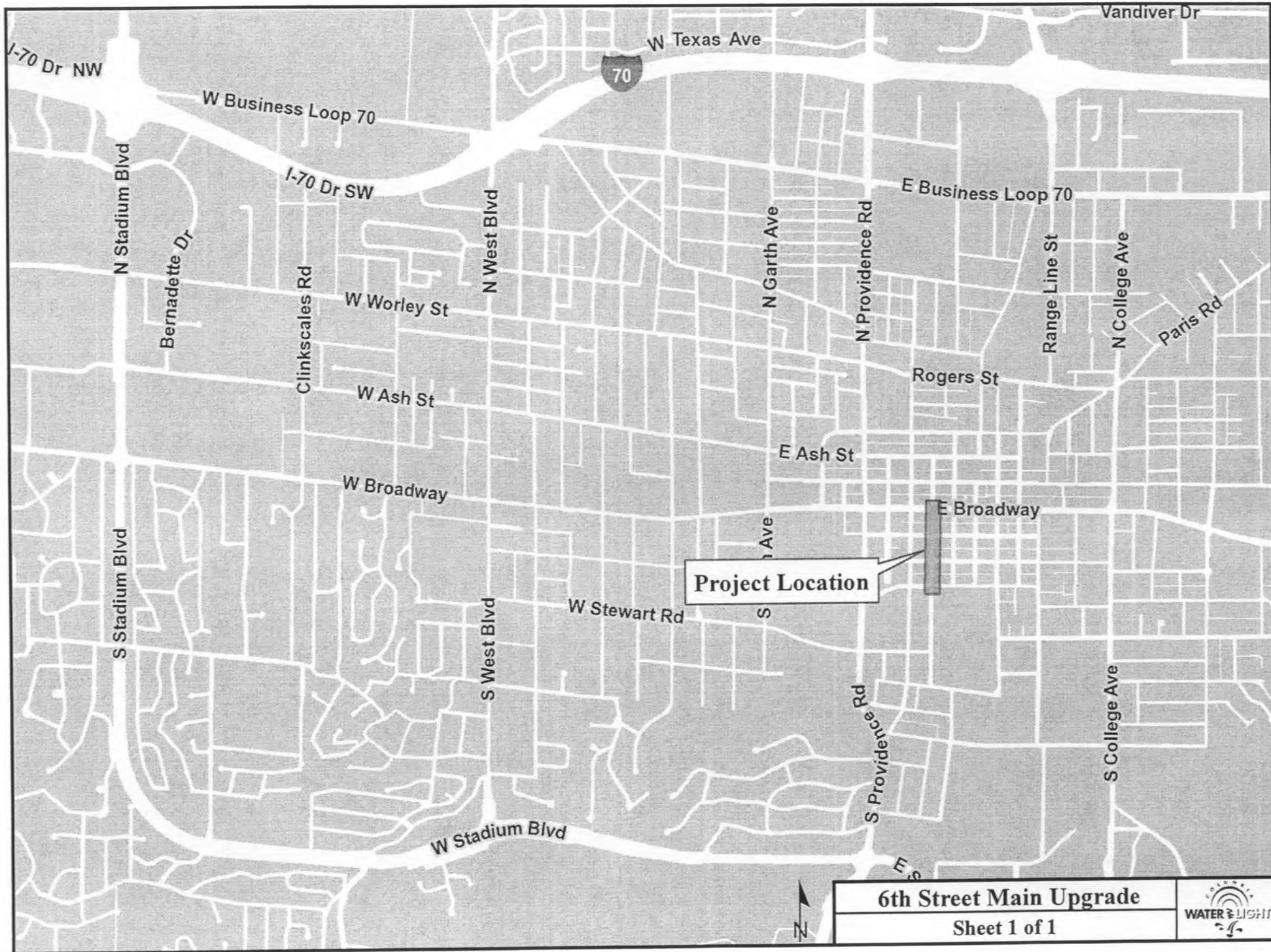
— New 8" Main

— Existing Main

6th Street Main Upgrade

Sheet 1 of 1





I-70 Dr NW

W Business Loop 70

W Texas Ave

Vandiver Dr

N Stadium Blvd

I-70 Dr SW

Bernadette Dr

Clinkscapes Rd

W Worley St

N West Blvd

N Garth Ave

N Providence Rd

E Business Loop 70

Range Line St

N College Ave

Paris Rd

W Ash St

Rogers St

W Broadway

E Ash St

E Broadway

S Stadium Blvd

Project Location

W Stewart Rd

S West Blvd

S Providence Rd

S College Ave

W Stadium Blvd



6th Street Main Upgrade

Sheet 1 of 1

