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: August 4, 2014
Re: Public Hearing: 16" Water Main Crossing of Interstate 70 at Parkade Boulevard

Documents Included With This Agenda Item

Council memo, Resolution/Ordinance
Supporting documentation includes: I-70 Crossing Location Map

Executive Summary

Staff has prepared for Council consideration a resolution setting a public hearing for August 17, 2014 concerning the construction of a 16" water main along Parkade Boulevard beginning at Business Loop 70 and extending north under Interstate 70 and terminating at Texas Avenue. The estimated cost for this improvement is $500,000 and funding for this project has been appropriated from 2008 water system improvement bond issue funds. A public interested parties meeting was held for this project on July 2, 2014.

Discussion

Columbia Water & Light's 2008 Long range system study identified the need for a large water main crossing under Interstate 70 near an abandoned 6-inch crossing at Parkade Boulevard to serve a proposed Prathersville water tower. The existing 6-inch crossing consisted of 6-inch cast iron pipe placed in soil and has been abandoned due to a line failure resulting in leaks within the Interstate 70 right-of-way. The plans call for the replacement of this 6-inch cast iron pipe with a 16-inch diameter water main placed in encasement. This crossing will feed a future water transmission/distribution main on Texas Avenue supplying water north of Interstate 70 and the future Prathersville water tower. Construction of this water main will also increase water flows north of Interstate 70 for consumer and fire protection needs.

Jacobs Engineering, of St. Louis, MO, prepared a preliminary alignment study evaluating 3 conceptual water main alignments. A screening process was used to evaluate these alignments and a final alignment was chosen. The final alignment was chosen based upon the following criteria.

- Capital Cost
- Accessibility for Maintenance
- Use of existing Rights of way
- Conflicts with existing utilities
- Proximity to existing infrastructure and large water mains.

Department staff hosted an interested parties meeting for this project and has made themselves

available for property owners to discuss the impacts to them throughout construction. Due to the use of existing rights of way, no additional easements will be necessary for the completion of this project. The water main will be constructed within the street pavement of Parkade Boulevard will be restored upon completion of work.

Upon City Council approval for this water main construction project and approval of an alignment, plans and specifications will be finalized for construction.

Fiscal Impact

Short-Term Impact: The Engineer's Estimate for construction of this water distribution system improvement is $500,000. Funding for this project is proposed to come from a revenue bond package approved by voters in the 2008 ballot issue. Funding of $598,000 has been appropriated under CIP project number WT0153.
Long-Term Impact: None

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Development
Strategic Plan Impact: Infrastructure
Comprehensive Plan Impact: Infrastructure

Suggested Council Action

Staff recommends Council approve the resolution setting the Public Hearing. Following input at the public hearing and after council consideration, a motion directing staff to proceed with the final plans and specifications for this project.

Legislative History

July 2,2014 - Interested Parties Meeting

Department Approved

City Manager Approved

City of Columbia
701 East Broadway, Columbia, Missouri 65201

SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

I-70 Crossing Location Map


4-1-D
6 inch PVC
6 inch CI
W Texas Ave
I-70W
I-70E
6 inch CI
4-1-C
Parkade Blvd
12 inch PVC
W Business Loop 70
12 inch PVC
12 inch DI Broke
12 inch AC
6 inch CI
16 inch AC
Existing Water Mains
Proposed Improvement
N
I-70 Crossing & Water Main
Sheet 1 of 1
1 inch = 200 feet
WATER LIGHT

Introduced by _____ Council Bill No. _____R 133-14_____

A RESOLUTION

declaring the necessity for construction of a 16-inch water main along Parkade Boulevard, between Business Loop 70 and Texas Avenue; stating the nature of and the estimate of the cost of the improvement; providing for payment for the improvement; providing for compliance with the prevailing wage law; and setting a public hearing.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council deems the replacement of a 6-inch cast iron pipe with a 16-inch water main placed in encasement along Parkade Boulevard, between Business Loop 70 and Texas Avenue, necessary to the welfare and improvement of the City.

SECTION 2. The nature and scope of the improvement shall consist of furnishing all labor, materials, transportation, insurance and all other items, accessories and incidentals thereto necessary for the complete construction of the improvements.

SECTION 3. The estimated cost of this improvement is $500,000.00.

SECTION 4. Payment for this improvement shall be made from Water and Electric System revenue bonds appropriated in Capital Improvement Project No. WT0153 and such other funds as may be lawfully appropriated and such other funds as may be lawfully appropriated.

SECTION 5. Any work done in connection with the construction of the improvement specified above shall be in compliance with the provisions of the prevailing wage laws of the State of Missouri.

SECTION 6. A public hearing in respect to this improvement will be held in the Council Chamber of the City Hall Building, 701 E. Broadway, Columbia, Missouri, at 7:00 p.m. on August 18, 2014. The City Clerk shall cause notice of this hearing to be published in a newspaper published in the City.

ADOPTED this _____ day of _____, 2014.

ATTEST:

_____	_____
City Clerk	Mayor and Presiding Officer

APPROVED AS TO FORM:

_____
City Counselor