



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: February 15, 2016

Re: Missouri Highways and Transportation Commission Utility Agreement – 70 Bridge Project

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute a Utility Agreement with the Missouri Highways and Transportation Commission (MHTC) for the relocation of City owned water facilities in conjunction with the Columbia I-70 Bridge Design-Build Project, Job No. J512172. The City's obligation to the MHTC for the cost of utility work identified in the agreement is estimated to be \$373,325.

Discussion

This agreement is necessary to provide payment for the adjustment of City owned water facilities now located entirely on MHTC right of way that are in conflict with the proposed I-70 bridge improvements at Business Loop 70 and Creasy Springs Road in accordance with the Master Reimbursable Utility Agreement with MHTC . Design and construction services on this project are being performed by the MHTC's design-build contractor for the I-70 bridge work.

This project to relocate the water main and maintain existing City service will consist of directional drilling a 12-inch fused PVC water main within a 16-inch fused PVC casing pipe approximately 484 feet through the interstate corridor. Additional piping will also be required for attaching this bore to existing infrastructure. This additional piping will include approximately 634 feet of 12-inch water main installed utilizing traditional construction methods in order to connect the new main to existing infrastructure.

Staff has worked closely with MoDOT and their contractors to develop the estimated costs in this agreement and has agreed to reimburse MHTC \$30,101 for design and construction engineering services on this project. The total cost of the utility adjustment is estimated at \$312,022 with a 10% construction contingency (\$31,202) for change orders, with a total estimated construction cost of \$343,044. The City's final cost will be based upon final measurements of facilities constructed at the Commission's contract unit prices, including change orders. Core Drilling indicated solid rock is not expected to be encountered with the proposed bore work under I-70, but if solid rock is encountered for the boring of I-70, there is a rock clause estimated additional cost of \$242,000. The City will be obligated for the additional expense if solid rock is encountered involving the bore of I-70.



Fiscal Impact

Short-Term Impact: The estimated costs of \$373,325 for this relocation work will be funded from Capital Improvement Project No. WT0125 for water main relocations associated with street and highway projects.

Long-Term Impact: None

Vision & Strategic Plan Impact

Vision Impacts:

Primary Impact: Transportation, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

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
11/03/2014	Ordinance authorizing the First Supplemental Master Reimbursable Utility Agreement with Missouri Highways and Transportation Commission.
09/03/1996	Master Reimbursable Utility Agreement with Missouri Highways and Transportation Commission.

Suggested Council Action

Authorizing the City Manager to execute this Utility Agreement with the Missouri Highways and Transportation Commission.