



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: November 5, 2018

Re: Authorizing a Bid Call for Construction of the Keene Street and I-70 Drive Southeast Intersection Improvement Project

Executive Summary

Authorize a bid call through the Purchasing Division for construction of the Keene Street and I-70 Drive Southeast intersection improvement project as shown on the attached site location map and right of way plans. An Interested Parties (IP) meeting was held on March 15, 2016 and the Public Hearing was held on February 5, 2018.

Discussion

The purpose of the Keene Street and I-70 Drive Southeast intersection improvement project is to improve safety and to alleviate traffic congestion. This location currently includes a T-intersection with a stop sign for the northbound traffic. A grocery store is located on the southeast corner, a hotel on the southwest corner, and Interstate 70 borders the intersection to the north. A hospital, medical offices, hotels, apartments, and other businesses are located along Keene Street as well as a subdivision east of the intersection that utilizes both I-70 Drive and Keene Street to travel west into Columbia. The main movement of traffic through the intersection is northbound turning westbound and eastbound turning southbound. During peak hour traffic, vehicles back up on Keene Street to make a left turn onto I-70 Drive. The roundabout will improve the traffic to flow through the intersection and eliminate the conflicting left turn movement. The roundabout will also allow pedestrians a safer crossing between the hotel and the grocery store.

The intersection improvement consists of a 120 ft. diameter single-lane roundabout which is designed to accommodate larger commercial vehicles and school busses. The design also includes splitter islands on all three legs and sidewalk along Keene Street and the south side of I-70 Drive Southeast. For the Moser tract, the entrance on Keene Street and the eastern entrance on I-70 Drive Southeast will be improved. The western entrance of I-70 Drive Southeast will be removed, stormwater improvements will be made and street lighting will be installed.

The majority of the roundabout is located on MoDOT and City of Columbia right of way; however, one permanent street easement, two permanent drainage easements, and three temporary construction easements are needed from two property owners for the construction of the project. A Right of Way plan showing proposed design and easements is attached.

Construction of the project is planned for the fall of 2019. The roundabout is being funded by a 50% MoDOT / 50% City cost share agreement. Keene Street is maintained by the City and



City of Columbia

701 East Broadway, Columbia, Missouri 65201

I-70 Drive SE is maintained by MoDOT, thus making the partnership feasible. The estimated project construction cost to be funded with the cost share agreement is \$652,240. Of that cost, MoDOT and the City will each fund 50% or \$326,120/ea. The City's portion will be funded using the quarter-cent Capital Improvement Program sales tax.

Fiscal Impact

Short-Term Impact: The total estimated project cost including design, easement acquisition, utility relocation and construction is \$831,700. The City's estimated share of this cost is \$505,580 which includes design, right of way, utilities, and 50% of the construction costs, to be funded using the quarter-cent Capital Improvement Program Sales Tax.

Long-Term Impact: The roundabout will be maintained by MoDOT.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Secondary, Tertiary Impact: Tertiary

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Mobility, Connectivity, and Accessibility, Tertiary Impact: Tertiary

Legislative History

Date	Action
02/05/2018	PH4-18-Public Hearing held for the proposed construction of the Keene Street & I-70 Drive SE intersection improvement project.
01/02/2018	R1-18-Setting a public hearing for proposed construction of the Keene Street & I-70 Drive SE intersection improvement project.
01/02/2018	B384-17-Authorizing a cost share agreement with MHTC for the proposed Keene Street & I-70 Drive SE intersection improvement.
05/15/2017	R66-17-Authorizing application to the MoDOT for cost share partnership funding for proposed Keene Street and I-70 Drive Southeast intersection improvement project.
03/15/2016	IP Meeting Held

Suggested Council Action

Authorize a bid call through the Purchasing Division for the construction of the Keene Street and I-70 Drive Southeast intersection improvement project.