



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: July 2, 2018

Re: Authorize a Cost Share Agreement with the Missouri Highways and Transportation Commission for the Route K Roundabout at Sinclair Road and Old Plank Road

Executive Summary

Authorize the City Manager to execute a cost share agreement with the Missouri Highways and Transportation Commission (MHTC) for design and construction of the Route K roundabout at Sinclair Road and Old Plank Road at an estimated cost of \$1,246,375; and appropriating funds.

Discussion

On December 18, 2017, Council adopted Resolution 181-17 authorizing the City Manager to apply to the Missouri Department of Transportation (MoDOT) for a cost share grant for the Route K roundabout at Sinclair Road and Old Plank Road. The MoDOT Cost Share Partnership Funding Program provides a public/public partnership to be established in order to jointly complete a transportation project that serves a public purpose. This cost share program allows MoDOT to commit funds to a project for proposed improvements not included in MoDOT's 5-year plan, but which benefits the state system. Sinclair Road and Old Plank Road are maintained by the City and Route K is maintained by MoDOT, thus making the partnership feasible. The project is estimated to cost \$1,246,375 which requires a local 50% match of the federal funds.

Columbia Public Schools (CPS) completed a traffic study for the development of a new middle school along Sinclair Road. The traffic study projected the need to add a left turn lane at the intersection due to the increased traffic generated by the school. A performance contract between the City and CPS will allow CPS to assist in paying for construction of the roundabout instead of constructing the left turn lane, which will provide a better long term solution for the intersection for both safety and vehicle flow. CPS will reimburse the City for their share of the estimated cost of \$169,723 as designated in a performance contract connected with the Final Plat.

The City will be the lead on the design and construction of the improvement. The proposed project will improve long term safety at the intersection with the construction of a roundabout. Currently, the north leg (Sinclair) and the south leg (Old Plank) of the intersection are offset from each other. The improvement will align the two legs plus provide other safety features associated with a roundabout, such as slowing the vehicles through the intersection. Residential developments under construction along Route K, Sinclair, and Old Plank, plus the construction of the middle school along Sinclair, are anticipated to increase traffic through this intersection. A location diagram is attached.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

The site has been surveyed and concept plans have been developed for construction of a single-lane roundabout. When Cascades Subdivision was developed northeast of the intersection in the early 2000's, right-of-way was plated at the northeast corner in anticipation of a future intersection improvement project which would relocate Sinclair to the east in order align with Old Plank Road. Therefore, extensive street right-of-way already exists at the intersection, but temporary construction easements may be necessary for construction of the project. Construction is planned in 2020.

The estimated total project cost is \$1,246,375. Per the agreement, MoDOT and the City will each fund 50% of the total project cost with MoDOT's share not to exceed \$623,187. CPS will contribute \$169,723 towards the City's share of the project cost, as outlined in the performance contract with CPS. The City will fund the remaining \$453,465 of their 50% match using the quarter-cent Capital Improvement Program sales tax.

Fiscal Impact

Short-Term Impact: The estimated total project cost is \$1,246,375. Staff is appropriating MoDOT's 50% share of \$623,187 as well as \$169,723 from CPS. The City's share of \$453,465 will be paid from the quarter-cent Capital Improvement Program sales tax.

Long-Term Impact: None, 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: Inter-Governmental Cooperation, Tertiary Impact: Mobility, Connectivity, and Accessibility

Legislative History

Date	Action
12/18/2017	R181-17-authorizing application to the Missouri Department of Transportation for cost share partnership funding for the proposed Sinclair Road/Route K/Old Plank Road intersection improvement project.

Suggested Council Action

Authorize the City Manager to execute a cost share agreement with MHTC for design and construction of the Route K roundabout at Sinclair Road and Old Plank Road; and appropriating funds.