



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: December 18, 2017

Re: MoDOT Cost Share Partnership Funding Program Application for the Proposed Sinclair Road / Route K / Old Plank Road Intersection Improvement Project

Executive Summary

Authorizing the City Manager to submit an application to the Missouri Department of Transportation (MoDOT) Cost Share Partnership Funding Program for funding assistance relating to the proposed Sinclair Road / Route K / Old Plank Road Intersection Improvement project. The application is due December 29, 2017.

Discussion

The MoDOT Cost Share Partnership Funding Program provides a partnership to jointly complete a transportation project that serves a public purpose. This program allows MoDOT to commit funds to a project for proposed improvements not included in their 5-year Statewide Transportation Program (STIP), but which benefits the state system.

Public Works staff has identified the Sinclair Road / Route K / Old Plank Road intersection as a needed improvement project (see attached location map), which is MoDOT eligible for this funding opportunity. Route K is classified as a major arterial and both Sinclair Road and Old Plank Road are classified as major collectors in the Columbia Area Transportation Study Organization (CATSO) 2030 Major Roadway Plan. Sinclair Road and Old Plank Road are maintained by the City and Route K is maintained by MoDOT, thus making the partnership feasible.

The proposed project will improve long term safety at the intersection with the construction of a roundabout. Currently, the north leg (Sinclair Road) and the south leg (Old Plank Road) of the intersection are offset from each other. The improvement would 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 Road, and Old Plank Road, as well as the proposed middle school along Sinclair Road, are anticipated to increase traffic through this intersection.

When Cascades Subdivision was developed northeast of the intersection in the early 2000's, right-of-way was platted at the northeast corner in anticipation of a future intersection improvement project which would relocate Sinclair Road to the east in order align with Old Plank Road. Columbia Public Schools (CPS) recently completed a traffic study for the development of the proposed middle school along Sinclair Road, which projected the need to add a left turn lane at the intersection due to the increased traffic generated by the school. Public Works and CPS are currently in discussions concerning a cost share agreement to assist in paying for construction of the roundabout instead of the left turn lane.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Construction of a roundabout, instead of the left turn lane, would provide a better long term solution for the intersection for both safety and vehicle flow. The site has been surveyed and concept plans are being developed for the construction of a single-lane roundabout to improve this intersection. Extensive street right-of-way already exists at the intersection, but temporary construction easements may be necessary for construction of the project.

The total project cost, including design, right-of-way, utilities and construction of the roundabout is estimated at \$1,425,000. If Council authorizes the City Manager to apply for the 50/50 funding assistance, staff will submit the cost share application to MoDOT by the deadline of December 29, 2017. If the project is approved by MoDOT, the City's half of the cost share is anticipated to be \$712,500; however, that amount could be reduced if CPS agrees to a cost share with the City for the construction of the roundabout. The City's share will be funded by the 0.25% capital improvement sales tax.

Fiscal Impact

Short-Term Impact: Funding for the City's half of the cost share is anticipated to be \$712,500 and will be funded by the 0.25% capital improvement sales tax.

Long-Term Impact: It is anticipated that the roundabout will be maintained by MoDOT.

Vision & Strategic Plan Impact

Vision Impacts:

Primary Impact: Transportation, Secondary Impact: Development, Tertiary Impact: Tertiary

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
None	None

Suggested Council Action

Authorize the City Manager to submit the application for the MoDOT Cost Share Partnership Funding Program relating to the proposed Route K / Sinclair Road / Old Plank Road Intersection improvement project.