



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: May 5, 2025

Re: Authorize a cost share agreement with the Missouri Highways and Transportation Commission for design and construction to complete additional pedestrian improvements with the Improve I-70: Columbia to Kingdom City project and appropriating funds.

Executive Summary

Authorize the City Manager to execute a cost share agreement with the Missouri Highways and Transportation Commission. The agreement includes the design and construction of additional pedestrian improvements to be included in Phase 1 of the Improve I-70 project at an estimated cost of \$2,032,500.

Discussion

The Missouri Department of Transportation (MoDOT) is completing Phase 1 of the Improve I-70 project. The project is currently in the design-build process and includes construction of an additional travel lane in each direction on Interstate 70 between the Interstate 70/Highway 63 connector interchange in Columbia and the Kingdom City interchange. Along with the interstate improvements, many of the bridges and other accesses will need to be reconstructed to accommodate for the widening.

The MoDOT Cost Share Partnership Funding Program provides an opportunity to jointly complete a transportation project that serves a public purpose on the state system. It has been identified that additional nonmotorized improvements need to be included as part of the Improve I-70: Columbia to Kingdom City project and utilizing this program allows the City and MoDOT to jointly fund the additional improvements beyond MoDOT's standards of construction in order to provide a connected nonmotorized corridor.

The Improve I-70 project includes improvements at both the St. Charles Road bridge and the Highway 63 connector. These improvements include construction of sidewalk on the west side of each bridge and sidewalk along some of the roadway connections. As part of the project, the City would like to include construction of sidewalk along the east side of both bridges and construction of sidewalk to fill in any gaps that remain along the connecting roadway system.

Proposed sidewalk construction for the cost share application will include the following locations:

- St Charles Road bridge replacement: The design-build scope includes sidewalk along the west side of the bridge. The cost share application will include the construction of 8' wide sidewalk along the east side of the bridge and widening the sidewalk to 8'



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along the west side of the bridge. The cost share application will also include filling in sidewalk gaps along the east side of road north and south of the bridge.

- Hwy-63 Connector bridge replacement: The design-build scope includes sidewalk along the west side of the bridge, sidewalk connecting to the existing sidewalk at the intersection with Clark Lane, and sidewalk connecting to the existing sidewalk at the intersection of Conley Road. The cost share application will include widening the sidewalk to 8' along the west side of the bridge. The cost share application will also include construction of 8' wide sidewalk along the east side of the bridge and connecting sidewalk to the existing sidewalk along Clark Lane on the north side of I-70 and the sidewalk at the I-70 Drive SE on the south side of I-70. Finally, the cost share application will include a signalized pedestrian crossing at the Conley Rd/I-70 Dr SE intersection.
- Hanover Blvd roundabout: The design-build scope includes the construction of sidewalk around the roundabout and along the west side of the Hanover Blvd connection. The cost share application will include the base fill for future widening of Clark Ln to the north, widening the culvert for the future road widening, and construction of a 5' wide sidewalk along the north side of the Clark Ln between the proposed roundabout and the existing sidewalk near Woodland Springs Ct.
- Clark Ln roundabout: The design-build scope does not include sidewalk for this roundabout. The cost share application will include the construction of 6' wide sidewalk along the north side of Clark Ln to connect to the existing sidewalk just west of the roundabout and running east to the pedestrian crosswalk at the Clark Ln and Hwy 63 Connector intersection.

The cost estimate for completing the sidewalk improvements is \$2,032,500. In the agreement, MoDOT and the City will each fund 50-percent of the total project cost with MoDOT's share not to exceed \$1,016,250. The City will fund the 50-percent match using Transportation Sales Tax funds.

The project will be completed as part of the Improve I-70 Design/Build process. The Design/Build team design estimate is \$472,500 to \$525,000. When applying for the cost share, the City estimated the design cost of \$266,945. Neither MoDOT nor the City agree with the estimate provided by the design/build contractor. Therefore, MoDOT proposes to use force account for this design. Force account is a method that pays for the actual hours worked on the design and materials used plus overhead and profit such that the City will pay for the actual work accomplished. However, it should be noted that if the project runs over the total project cost for design and construction, the City will be required to pay the total amount of the remaining expenses.



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Fiscal Impact

Short-Term Impact: The City’s match of \$1,016,250 will be funded by transportation sales tax funds.
Long-Term Impact: Routine maintenance.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:
Primary Impact: Reliable and Sustainable Infrastructure, Secondary Impact: Secondary, Tertiary Impact: Tertiary
Comprehensive Plan Impacts:
Primary Impact: Mobility, Connectivity, and Accessibility, Secondary Impact: Infrastructure, Tertiary Impact: Tertiary

Legislative History

Date	Action
08/19/2024	R145-24 Authorizing application to the Missouri Department of Transportation for cost share partnership funding for the proposed St. Charles Road bridge replacement project and I-70 and US 63 interchange reconstruction project.

Suggested Council Action

Authorize the City Manager to execute the cost share agreement with the Missouri Highways and Transportation Commission for the design and construction to complete additional pedestrian improvements with the Improve I-70: Columbia to Kingdom City project and appropriating funds.