



Department Source: Community Development - Planning

To: City Council

From: City Manager & Staff

Council Meeting Date: July 18, 2016

Re: Resolution to authorize City Manager application for Missouri Moves Cost Share transportation grant funds (Case #16-159)

Executive Summary

City staff proposes to make application for the Missouri Moves Cost Share grant program for six potential transportation improvement projects. The program is administered by the Missouri Department of Transportation (MoDOT). The program reserves one-third of the total funding for multi-modal projects (see MoDOT Missouri Moves press release).

Discussion

The Missouri State Legislature has authorized \$20 million statewide for this program to fund needed transportation projects. Individual MoDOT Districts, including the Central District where Columbia is located, can receive up to 25 percent (\$5 million) of the total funds. City staff has identified six projects for which they propose to submit applications for this funding. For some project applications, the funding requests are for a specific portion of the total project costs, e.g. the construction costs, and the project costs listed reflect that.

- **Providence Road (Stewart to Stadium) Improvement Project.** Intersection improvements including signals and turn lanes.

Estimated Total Project Cost: \$4,204,000

Estimated Project Construction Cost: \$2,815,519. Requesting 40% MoDOT funding (\$1,126,208) with 60% City match (\$1,689,311) of total construction costs.

City Match Funding: ¼-cent CIP sales tax, County road tax, STP funds

Completion: The project is currently in the easement acquisition phase and working on final plans. Would like to bid the project early winter with construction completed by fall of 2017.

Problems the project will eliminate: The Providence Road project is a safety and traffic congestion project that improves the intersections along Providence between Stewart and Stadium to alleviate problems with traffic trying to enter and exit the Grasslands subdivision and the University. It will also improve traffic flow along Providence by providing an extended right turn lane at Stadium. Finally, it will improve the cross walks for pedestrian crossing.

- **Ballenger Lane (Ria to Mexico Gravel Road) Safety Project.** Adding 5-foot wide shoulders to the each side of the road for pedestrian and bike use.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Estimated Total Project Cost: \$2,690,000. Requesting 30% MoDOT funding (\$807,000) with 70% City match (\$1,883,000) of total project cost.

City Match Funding: ¼-cent CIP sales tax, County road tax

Completion: Project is currently under concept design. Plan for construction in the summer of 2019.

Problems the project will eliminate: Ballenger is currently a paved road with no shoulders and a stormwater ditch on each side. The project is a safety project that will add 5-foot wide shoulders on each side of the road for pedestrians and bicyclist use.

- **Keene and I-70 Drive Southeast Roundabout.** Improve the three legged intersection from a one-leg stop intersection to a roundabout.

Estimated Total Project Cost: \$732,000

Estimated Project Construction Cost: \$600,200. Requesting 30% MoDOT funding (\$180,060) with 70% City match (\$420,140) of total construction cost.

City Match Funding: ¼-cent CIP sales tax

Completion: A concept design and Interested Parties meeting have been completed for this project. The project is currently being surveyed and working on preliminary design. A construction date has not been set for this project and it is dependent on funding.

Problems the project will eliminate: The Keene and I-70 Drive Southeast Roundabout is a safety and traffic congestion project that will include reconstruction of the intersection to eliminate the one legged stop and replace it with a roundabout. During the busier times of the day, traffic backs up on Keene Street with vehicles trying to make a left turn onto I-70 Drive in order to access Highway 63 and Interstate 70.

- **Waco and Route B Intersection Improvement.** Add a signal and turn lanes.

Estimated Total Project Cost: \$200,000

Estimated Project Construction Cost: \$180,000. Requesting 30% MoDOT funding (\$54,000) with 70% City match (\$126,000) of total construction cost.

City Match Funding: ¼-cent CIP sales tax

Completion: The project has been surveyed and working on preliminary design. A traffic impact study has also been completed. Construction is planned for Summer of 2017.



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Problems the project will eliminate: The Waco and Route B Intersection Improvement project is a safety project brought forward through REDI from Kraft Foods. Kraft is increasing the capacity of their facility in Columbia. With this increase they are expecting more truck traffic through the facility and would like a signal and dedicated left turn lane at the intersection of Waco and Route B.

- **Carter Lane Sidewalk.** Add 5-wide concrete sidewalk along Carter Lane.

Estimated Total Project Cost: \$430,000

Estimated Project Construction Cost: \$390,000. Requesting 30% MoDOT funding (\$117,000) with 70% City match (\$273,000) of total construction cost.

City Match Funding: ¼-cent CIP sales tax

Completion: The project has been surveyed and working on preliminary design. A construction date has not been set for this project and it is dependent on funding.

Problems the project will eliminate: The Carter Lane sidewalk project is a safety project that will add sidewalk along Carter Lane between Foxfire Drive and the sidewalk along the commercial properties at the intersection of Providence and Green Meadows. There are large numbers of pedestrians and bicyclists present given the numerous college students living in the area and the bus route along Providence Road.

- **Battery Electric Bus Purchases.** Replace seven (7) 2001 model year diesel buses.

Estimated Total Project Cost: \$5,338,000. Requesting 10% MoDOT funding (\$533,800) with 90% match (\$4,804,200) of total project cost.

City Match Funding: 10% of project - ½-cent Transportation Sales Tax
80% of project - FTA 5339 Grants

Completion: The project is included in the CIP in the Annual Bus Replacement category and is awaiting the award of the FTA grant as early as August. Local funding has already been secured.

Problems the project will eliminate: The purchase of battery electric buses would provide significant savings for the bus system. The City currently operates one battery electric bus with three more expected to be delivered in August. The battery electric bus currently in operation has demonstrated a 70% reduction in maintenance costs versus diesel buses in the fleet. On a larger scale, these savings could be used to increase transit service, reduce fares and hire more full time drivers. In addition, this project would allow the City to replace 2001 model year diesel buses that have exceeded their useful life. There will be significant reduction in emissions with the removal of older diesel buses from the fleet.



Fiscal Impact

Short-Term Impact: Costs are dependent on if, and which, projects MoDOT decides to fund. Ultimately, successful project applications will lead to savings by reducing the amount of local resources needed to complete projects.

Long-Term Impact: Unknown

Vision & Strategic Plan Impact

[Vision Impacts:](#)

Primary Impact: Transportation, Secondary Impact: Parks, Recreation & Greenways, Tertiary Impact: Tertiary

[Strategic Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Public Safety, Tertiary Impact: Tertiary

[Comprehensive Plan Impacts:](#)

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

Legislative History

Date	Action
None	None

Suggested Council Action

Passage of the resolution, should the Council wish to authorize the City Manager to submit grant applications for the listed projects.