

# Columbia Area Transportation Study Organization

**AUGUST, 2017**

**TRANSPORTATION  
IMPROVEMENT PROGRAM**

**FY 2018-2021**

CATSO  
City of Columbia - Community Development Department  
PO Box 6015  
Columbia, MO 65205-6015  
Tel.: 573-874-7243

Disclaimer: The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Missouri Highways and Transportation Commission, the Federal Highway Administration, or the Federal Transit Administration.

# INTRODUCTION

## PURPOSE

The Transportation Improvement Program (TIP) is a program and schedule of intended transportation improvements (or a continuation of current activities) covering a four (4) year period, including projects utilizing funding from the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). The Columbia Area Transportation Study Organization (CATSO), the designated Metropolitan Planning Organization (MPO) for the Columbia metropolitan area, develops the TIP in cooperation with the Missouri Department of Transportation (MoDOT) and affected transit operators.

The TIP shall cover a period of no less than four years, be updated at least every four years, and be approved by the MPO and the Governor of Missouri. CATSO's policy is to update it every year unless circumstances require a less frequent schedule. It is then incorporated into Missouri's respective Statewide Transportation Improvement Program (STIP) by reference. It shall contain a priority list of projects to be carried out within each 4-year period or at least be grouped by year. Also, it shall provide a constrained financial plan that is capable of being implemented. The incorporation of the TIP into the STIP by reference occurs through a MoDOT STIP amendment modification that is reviewed and approved by FHWA and FTA (ONE DOT).

The TIP should also be considered the implementation tool of the Long Range Transportation Plan (LRTP): *CATSO 2040 Long-Range Transportation Plan* (LRTP). The LRTP was adopted by the CATSO Coordinating Committee on February 27, 2014.

The FY 2018-2021 TIP translates the policies, strategies, and directions of the LRTP into specific projects and related investments during the short-term four year TIP time horizon.

The CATSO planning process is done in accordance with the federal 3-C process of continuing, cooperative, and comprehensive planning.

Included in the FY 2018-2021 TIP document is the planned Program of Projects (POP) for COMO Connect (formerly Columbia Transit), the transit provider for the Columbia metropolitan planning area. The public notification for the public hearing to be held for consideration and potential approval of the TIP includes a reference to the POP. The public notice is part of the CATSO process established for public review of the TIP, and also meets the public involvement requirements for the POP.

## REGIONAL TRANSPORTATION PRIORITIES

The priorities and challenges for the Columbia metropolitan planning area continue recent trends. A need to provide a variety of transportation options for area residents is an ongoing issue. The increased public demand for facilitation of non-motorized transportation options has continued and has been addressed with the federal funding through the Non-Motorized Pilot

Project, locally called GetAbout Columbia. Continuing to maintain, improve, and expand as necessary the regional roadway network to serve both motorized and non-motorized travel is a financial and management challenge.

Listed below are the goals from the current CATSO 2040 Long-range Transportation Plan (LRTP). The projects listed in this TIP address the implementation of these goals, with a priority focus on Goals 1, 2, 3, 4, and 7.

*Goal 1: The Columbia Metro Area will have a first class street, highway and non-motorized network that meets the short and long-term needs of the Metro Area*

*Goal 2: The Metro Area transportation system will integrate and connect all travel modes*

*Goal 3: The public transportation system will be a viable transportation option throughout the Metro Area*

*Goal 4: Long-range land use and transportation planning will be coordinated on a regional and local basis*

*Goal 5: Encourage compact and infill development and redevelopment in under-invested areas*

*Goal 6: Integrate land use planning with infrastructure development*

*Goal 7: Provide safe and secure facilities and transportation infrastructure for residents, visitors and commerce in the Columbia Metro Area*

## **PROJECT SELECTION**

Projects to be funded/implemented shall be selected by the Missouri Department of Transportation (MoDOT), Boone County, the City of Columbia (including the transit operator), and private transportation providers in cooperation with the MPO.

Programs covered via the Coordinated Public Transit Human Services Transportation Plan, for which CATSO does not have a direct role in project selection, have been included. Project selection and priority criteria are applied by each of the individual public jurisdictions within the metropolitan area; MoDOT, Boone County, and the City of Columbia. Project selection is done by staff recommendations, the Missouri Highways and Transportation Commission, Boone County Commission, and the Columbia City Council.

## **TIP DEVELOPMENT PROCEDURES**

The Columbia MPO has adopted a procedure which produces an updated and approved TIP at least every other year. The procedure is initiated cyclically through continual review of the transportation system's operational character. Each improvement type found in this program has a project selection procedure in which projects are ranked according to some criteria by the agency having jurisdiction over the project area.

The prioritization of recommended transportation improvement modifications begins at the basic level of management. The local units of government responsible for the provision and

maintenance of transportation facilities and the local transit operators determine their own individual priorities without major influence from outside agencies. The City of Columbia development and prioritization of its street, sidewalk and transit projects includes a thorough CATSO approved public involvement process, which is outlined on the City's website: <https://www.como.gov/publicworks/updates/public-meetings/>

Boone County, which does not have any projects listed in the current TIP, utilizes the CATSO public involvement process for project prioritization, which is outlined on CATSO's webpage: <http://www.como.gov/community-development/planning/columbia-area-transportation-study-organization-catso/>

CATSO considers those projects listed in the first year of the TIP to be first priority, and those in the following years to be second, third, and fourth priority, respectively. In the public transportation component of this document, respective transit providers are listed, with subsequent programming areas and priorities reflected. This TIP, and subsequent amendments, as approved by the Coordinating Committee of the Columbia MPO and the Governor of the State of Missouri, constitutes the selection document for project implementation. The first year of projects listed in the TIP represent the agreed to list of projects eligible for implementation.

## **TIP FORMAT**

This TIP is broken into ten categories by project (improvement) type and jurisdiction: MoDOT Roadway Projects; MoDOT Scoping; Boone County; City of Columbia Streets; City of Columbia Sidewalks; GetAbout Columbia (Non-Motorized Transportation Pilot Project); Rail-Highway; Transportation Alternatives; and Transit. Financial summaries demonstrating fiscal constraint are in the financial summary section.

The TIP project listing, beginning on page 21 of the PDF document, consists of a series of datasheets describing specific improvement types and providing the following project information:

- a. Name, location, and description of the proposed improvement.
- b. A schedule of expenditures in current dollars by fiscal year, including the funding source.
- c. Monitoring Progress in Implementing the Transportation Plan (23 CFR 450.324(n) (2)).  
(Project status report)

In addition, a self-certification document signed by CATSO and MoDOT signifying that federal transportation planning process requirements are being met in the Columbia metropolitan planning area (MPA) is required. (23 CFR 450.334) This may be included internally in the TIP or processed separately. This document has been included in the Appendix.

The source documents for items within the TIP include, but are not limited to, the short-range element of the CATSO 2040 LRTP (adopted in February, 2014), the draft Capital Improvement Program (CIP) for the City of Columbia (FY 2018), and the MoDOT FY 2017-2021 STIP.

## **AIR QUALITY DESIGNATION**

At the present time, the United States Environmental Protection Agency has designated Columbia as being in attainment for Ozone, Carbon Monoxide (CO), Nitrogen Dioxide (NO<sub>2</sub>), Small Particulate Matter (PM-2.5), Lead, and Sulfur Dioxide.

## **TIP MODIFICATIONS**

Modifications to the TIP are classified into two categories, defined as follows:

### **1. Administrative Modifications:**

Such a modification is defined as a minor revision to the TIP, including minor changes to project costs, funding sources of previously programmed projects, and project initiation years. Such modifications do not require public review or comment. Errors, project changes, or omissions in the final, approved TIP will be addressed administratively (without the need for Coordinating Committee approval or public comment) if the following conditions apply:

- a. The project budget change does not exceed 15 percent of the amount programmed (up to \$2,000,000).
- b. The project is already listed in the current year and does not require a move from an out-year of the TIP forward to the current year.
- c. A material change to the project is not required (in terms of scope).

The following procedure is used for processing an administrative modification for the TIP:

- a. The agency requesting administrative modification will notify the CATSO staff of the proposed modification.
- b. The CATSO staff will notify/consult with MoDOT, FHWA, and FTA representatives that the proposed modification is forthcoming.
- c. The CATSO staff will make the appropriate TIP document revisions to reflect the requested modification.
- d. The revised section(s) of the TIP will be forwarded to MoDOT, FHWA, and FTA for their review and files.
- e. The revised section(s) of the TIP will be forwarded to the CATSO Coordinating Committee for information purposes.

### **2. Amendments**

Formal amendments involve major changes to the TIP, including the addition or deletion of a project, a major change in project cost (+/-15 percent or +/- \$2,000,000), project year, or a major change in project scope or design.

The following procedure is used for processing an amendment modification for the TIP:

- a. The agency requesting amendment will notify the CATSO staff of the proposed amendment.

- b. The MPO will publish a public notice allowing a 15 day comment period on the proposed amendment, as well as utilizing the MPO public notification website.
- c. Comments will be directed to the CATSO staff.
- d. The proposed amendment is then placed on the agenda for the next meeting of the Coordinating Committee for discussion and modification. If timing allows, the Technical Committee will review and make recommendation to the Coordinating Committee. A majority of the quorum in attendance is required to approve said amendment.
- e. If the proposed amendment is approved by the Coordinating Committee, the approved project is forwarded to MoDOT with a request that the STIP be amended to reflect the MPO amendment modification. MoDOT will then forward the STIP amendment request to the Governor for his or her signature, and then to the FHWA Missouri Division and FTA Region VII (ONE DOT) for their approval.
- f. ONE DOT approval and its formal documentation of the STIP amendment to add requested projects to the TIP must occur prior to letting of the project. The approved project may then proceed after proper notifications of MoDOT and the appropriate federal agency having jurisdiction over the project.

A special telephone or e-mail canvas may be made for voting, if necessary, in an emergency. A majority vote of the Coordinating Committee (5 votes) shall be required to determine an emergency and may be accomplished by a telephone poll or e-mail canvas and vote. If not, the amendment will be discussed at the next regularly scheduled meeting of each Committee. “Special” is defined as any matter determined by the Chairman that necessitates being acted upon or addressed in-advance of the normally scheduled meeting.

## **PUBLIC PARTICIPATION PLAN**

The CATSO Coordinating Committee adopted a revised Public Participation Plan on December 4, 2014 that is available at the following link under the Programs and Plans section:

[http://www.gocolumbiamo.com/community\\_development/planning/boards\\_and\\_commissions/catsotso/documents/ApprovedCATSOPPP12-4-14Rev12-22.pdf](http://www.gocolumbiamo.com/community_development/planning/boards_and_commissions/catsotso/documents/ApprovedCATSOPPP12-4-14Rev12-22.pdf)

This document sets forth the public participation procedures for the MPO in general, including the procedure for the annual TIP, including language as follows:

### **Transportation Improvement Program**

**Procedure and Schedule for Preparation of the TIP.** The TIP is reviewed annually between May and August. CATSO staff begins the process by soliciting transportation providers in writing for projects and programs and their anticipated funding amounts to include in each year’s TIP. CATSO staff then reviews the requests in consultation with all local jurisdictions and public agencies and prepares a draft TIP. Upon completion of this review, the draft TIP is posted for general public comment for a minimum period of thirty (30) calendar days. During this period, the TIP is circulated to members of the Technical Committee, who review the document and provide a recommendation to the Coordinating Committee. The Coordinating Committee then convenes a public hearing. Upon conclusion of the hearing, the Coordinating Committee may a)

Approve the TIP as presented; 2) Approve the TIP with documented modifications; or 3) Table the TIP to a date certain for further consideration. After its approval, the TIP is transmitted to the MoDOT Central Office to secure approval from the Governor of the State of Missouri and FHWA-FTA.

**Inter-Agency Consultation.** As required by MAP-21/FAST Act, CATSO will consult with local jurisdictions and public agencies during the development of the TIP. A copy of the draft TIP will be provided to appropriate agency staff and a period of 30 days will be allowed for their review and comment. Comments of agencies will be provided to the Coordinating Committee.

**Annual Listing of Obligated Federally Funded Projects.** This is a listing of federally funded projects for which funding was obligated in the previous year. An Annual Listing of Obligated Projects is not incorporated in this document. CATSO staff will develop and publish this listing within 90 days following the close of the CATSO fiscal year. The listing will be made available in accordance with CATSO's public participation plan for the TIP.

The listing will include the identification for each project, the amount of Federal funds requested in the TIP, the Federal funding that was obligated during the preceding fiscal year, and the Federal funding remaining and available for subsequent years.

**Public Participation Process.** To develop a more effective TIP, the MPO will have an open public involvement process that provides for the continuing and early involvement of the public in the development and amendment of the TIP.

1. The MPO will provide annual notice by June 1st of the calendar year to agencies that have previously submitted projects to the MPO, or other entities that have requested information. The notice shall include information concerning the transportation issues and processes used in developing a TIP submittal. This notice will provide the information required to propose projects for inclusion in the TIP and the timetable to be followed. MPO staff will be available to give these agencies and groups any assistance they might require in developing projects for submittal for the TIP.

2. Agencies submitting projects for inclusion in the TIP will include written documentation of the public involvement procedures used by that agency in selecting projects to include in the TIP and/or for federal funding, e.g., projects for which FTA Section 5307 funding is sought. If written or oral comments that question the need, scope or scheduling of TIP projects or that propose alternative projects are received during the TIP preparation process, the submitting agency will submit a summary, analysis and report on the disposition of the comments which will be made a part of the approved TIP.

The regulation concerning public participation reads as follows:

**§ 450.316 Interested parties, participation, and consultation.**

(a) The MPO shall develop and use a documented participation plan that defines a process for providing citizens, affected public agencies, representatives of public transportation employees, freight shippers, providers of freight transportation services,

private providers of transportation, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties with reasonable opportunities to be involved in the metropolitan transportation planning process.

CATSO solicited public comments on the proposed FY 2018-2021 Transportation Improvement Program. The public comment period began on July 18, 2017, the time when the draft TIP was initially posted to the CATSO website page. The draft TIP was made available for public viewing and comment for 30 days via newspaper advertisement in the Columbia Daily Tribune and document posting on CATSO's website page at:

<http://www.como.gov/community-development/public-notifications-2/>

All public comments will be considered in finalizing the FY 2018-2021 project programming. The final document and amendments will be maintained and available for public access on the web, as well as the related documents referenced herein.

**MONITORING PROGRESS IN IMPLEMENTING THE TRANSPORTATION PLAN**  
(23 CFR 450.324(l) (2)).



## STATUS OF FY 2017-2020 TIP PROJECTS

### *Project*

### *Status*

| <b>MoDOT</b>  |                  |
|---|------------------|
| 2015-5: (5I3001) I-70 Pavement improvements               | Complete         |
| 2015-7: (5S3092) Payment to City of Columbia - Old 63/740 | Complete         |
| 2017-1 (5P3165) US 63 Bridge Improvements                 | Jan 2018 Letting |
| 2017-2 (5S3159) MO 763 Pavement Improvements              | Jan 2018 Letting |
| 2017-3 (5S3155) Route B Pavement Improvements             | May 2017 Letting |
| 2017-5 (5P3213) US 40 Pavement & Shoulder Improvements    | Oct 2017 Letting |
| 2017-12 (5P3183) Various Routes – Guard Cable/Guardrail   | May 2017 Letting |
| 2017-13 (5P3204) Various Routes – Chevron Installation    | Feb 2017 Letting |
| 2017-15 (5P3180) Various Routes – Work Zone Enforcement   | Complete         |
| 2017-16 (5P3217) Various Routes – Work Zone Enforcement   | Ongoing          |

| <b>Boone County</b> |  |
|---------------------|--|
| No projects listed  |  |

| <b>City of Columbia- Streets</b>                         |                    |
|--|--------------------|
| 2009-27: Burnham/Rollins/Providence Intersection Upgrade | Construction       |
| 2016-14: Discovery Drive South                           | Construction       |
| 2017-17: Ballenger (Route PP) Improvement Project        | Preliminary Design |
| 2017-18: Discovery Parkway Extension – Gans to New Haven | Preliminary Design |
| 2017-19: Nifong Widening/Improvement Project             | Preliminary Design |

### *Project*

### *Status*

| <b>City of Columbia - Sidewalks</b>      |                    |
|--|--------------------|
|  |                    |
| 2015-16: Nifong-Bethel Sidewalk          | Final Design       |
| 2017-20: Ninth & Elm Pedestrian Scramble | Preliminary Design |

| <b>Transit - COMO Connect</b>                                   |                                      |
|---|--------------------------------------|
| 2015-18: Maintenance of existing operations & facilities        | Ongoing                              |
| 2009-74: Replacement of five (6) 40' New Flyer transit buses    | Rollover                             |
| 2009-95: Ten Bus Shelters                                       | Complete                             |
| 2010-15: Replacement of seven (7) 40' New Flyer transit buses   | Rollover                             |
| 2010-17: CT System; Bus Priority System, Traffic Signal Control | FY 2018                              |
| 2016-15: New Bus Shelters                                       | Rollover                             |
|   |                                      |
| <b>Transit - OATS, Inc.</b>                                     |                                      |
| 2017-24 Purchase of two lift-equipped vehicles                  | Complete                             |
| 2017-25 JARC funding for employment                             | Complete                             |
| <b>Transit – Alternative Community Training, Inc.</b>           |                                      |
| 2017-22: Purchase of four lift-equipped mini-vans               | Grant received for one (1), rollover |

| <b>Transportation Alternatives - MoDOT/City of Columbia</b> |                |
|---|----------------|
| Carter Lane Sidewalk  | Grant received |

| <b>GetAbout Columbia – Non-Motorized Pilot Program</b> |              |
|--|--------------|
|  |              |
| 2009-89: Staff & Payrolls                              | Ongoing      |
| 2009-90: Promotion & Education                         | Ongoing      |
| 2013-7: Bike Boulevard, MKT to BL 70 and Providence    | Final Design |
| 2013-19: Program Evaluation & Documentation            | Ongoing      |
| 2013-21: County House Trail Phase 2 West               | Final Design |
| 2013-22: Clark Lane & Hinkson Creek Trail Pedway       | Final Design |
| 2013-23: Shepard to Rollins Trail connection           | Final Design |

| <b>Rail/Highway</b>          |          |
|------------------------------|----------|
| 2017-21 O'Rear Road Crossing | Complete |

## FINANCIAL SUMMARY

## **PROJECT LISTINGS**

TIP project listings were provided by the individual agencies from each of CATSO's member jurisdictions: MoDOT, Boone County, and the City of Columbia. Specific financial information on MoDOT projects was provided by the MoDOT Central District Office. For Boone County projects, data was provided by Boone County Public Works and the Auditor's Office. For the City of Columbia, the following departments contributed project financial information: Finance, Public Works (including COMO Connect), GetAbout Columbia, and the Community Development Department.

## **FORECASTED REVENUE ESTIMATES**

Revenue forecasts for future funding for the TIP were derived from consultation with specific CATSO member departments such as Boone County Auditor's Office and Public Works Department, City of Columbia Finance Department and Public Works Department, and MoDOT Transportation Planning. These projections are reflected in the Financial Summary section for each project.

### **Federal Revenue**

The Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) publish notices in the Federal Register that estimates the federal fiscal year allocations by program year for each urbanized area. These estimates are used as the anticipated federal funding amount. Assumptions for federal funding availability are based on MoDOT projections for the state system. For Boone County, federal funding for projects is intermittent and no assumptions are made for federal funding availability in the future. For other City of Columbia project categories using federal funds such as Transportation Alternatives (TAP) and Traffic Engineering Assistance Program (TEAP), no specific future funding projections are made given the lack of a specific allocation, as well as the competitive nature of this funding source.

MoDOT combines FHWA and FTA funding estimates with state transportation revenue projections to estimate funding for transportation and includes them in the Statewide Transportation Improvement Program (STIP). CATSO uses these projections to determine fiscal constraint relative to the projects programmed in the TIP.

CATSO is responsible for programming projects within the federal revenue categories of Off-System Bridge (BRO) and Non-Motorized Pilot Program (GetAbout Columbia). Please note that all fiscal years included in the revenue tables refer to the federal fiscal year, which runs from October 1 to September 30 annually.

**Table 1 – Anticipated Federal Funding FY 2018 through FY 2021**

| Anticipated Federal Funds          | FY 2018             | FY 2019            | FY 2020            | FY 2021            | Total               |
|------------------------------------|---------------------|--------------------|--------------------|--------------------|---------------------|
| <b><i>FHWA Revenues</i></b>        |                     |                    |                    |                    |                     |
|                                    |                     |                    |                    |                    |                     |
| <b>BRO – Boone County</b>          | \$0                 | \$0                | \$0                | \$0                | \$0                 |
| <b>Rail-Highway</b>                | \$0                 | \$0                | \$0                | \$0                | \$0                 |
| <b>Non-Motorized Project</b>       | \$1,500,000         | \$2,035,000        | \$650,000          | \$0                | \$4,185,000         |
| <b>Transportation Alternatives</b> | \$279,896           | \$0                | \$0                | \$0                | \$279,896           |
| <b>MoDOT STBG</b>                  | \$6,217,200         | \$16,000           | \$16,000           | \$1,993,300        | \$8,242,500         |
| <b>MoDOT Safety</b>                | \$32,400            | \$32,400           | \$1,120,800        | \$0                | \$1,185,600         |
| <b>MoDOT NHPP</b>                  | \$519,200           | \$4,027,200        | \$0                | \$0                | \$4,546,400         |
| <b><i>FHWA Sub-Total</i></b>       | <b>\$8,548,696</b>  | <b>\$6,110,600</b> | <b>\$1,786,800</b> | <b>\$1,993,300</b> | <b>\$18,439,396</b> |
|                                    |                     |                    |                    |                    |                     |
| <b><i>FTA Revenues</i></b>         |                     |                    |                    |                    |                     |
| <b>FTA Section 5307 Operating</b>  | \$2,303,286         | \$2,303,286        | \$2,303,286        | \$2,303,286        | \$9,213,144         |
| <b>FTA Section 5339 Capital</b>    | \$2,929,484         | \$265,628          | \$265,628          | \$265,628          | \$3,726,368         |
| <b>FTA Section 5310</b>            | \$175,026           | \$128,000          | \$188,800          | \$188,800          | \$680,626           |
| <b>FTA Section 5311</b>            | \$55,000            | \$58,000           | \$60,000           | \$60,000           | \$233,000           |
| <b><i>FTA Sub-Total</i></b>        | <b>\$5,462,796</b>  | <b>\$2,754,914</b> | <b>\$2,817,714</b> | <b>\$2,817,714</b> | <b>\$13,853,138</b> |
|                                    |                     |                    |                    |                    |                     |
| <b><i>Federal Totals</i></b>       | <b>\$14,011,492</b> | <b>\$8,865,514</b> | <b>\$4,604,514</b> | <b>\$4,811,014</b> | <b>\$32,292,534</b> |

## State Revenue

MoDOT's principal sources of state revenue for road maintenance are motor vehicle fuel taxes, licenses and fees and 71 percent of motor vehicle sales tax collected statewide. It is expected that these sources of revenue will continue, though potentially at a lesser level of funding, and MoDOT's maintenance obligations in the CATSO MPA will be funded.

## Local Revenue

The majority of local funding for transportation projects in the Columbia MPA is derived from sales taxes.

Boone County receives revenue from several sources, including a dedicated one-half cent sales tax. This sales tax revenue is used, in part, to replace a portion of dedicated property tax revenue: the dedicated property tax levy was reduced, but not eliminated, in conjunction with voter approval of the sales tax. In addition, a portion of the sales tax revenue is distributed to entities within the county (cities and special road district). The net amount retained by Boone County is used to pay for maintenance and improvement of the County's roadway infrastructure. In 2007, this sales tax was renewed by voters and is authorized through 2018. This document presumes that this tax will be reauthorized by the public prior to its expiration date. In addition to the one-half cent sales tax, Boone County receives revenue from a dedicated property tax levy (reduced, as described above), revenues from the state-wide fuel tax, revenues from motor vehicle licensing fees, and a portion of the state's sales taxes derived from the sale of motor vehicles. Some, but not all, of Boone County's infrastructure assets are located within the CATSO area; accordingly, revenue amounts shown in the table below have been pro-rated.

Amounts shown in the table below have also been reduced by the amounts distributed to other entities. Boone County also receives federal funding for bridge projects; this funding is received on an intermittent basis and there is no funding currently shown in Table 1.

The City of Columbia has a dedicated ½ cent transportation sales tax. This tax is utilized for airport operations, transit system operations, street and sidewalk maintenance, and system improvement projects. This is a permanent sales tax. In addition, the City has a ¼ cent capital improvement sales tax, which is used in part for street and sidewalk construction projects. This tax was renewed by voters in August 2015. Other revenues for transportation projects come from development charges, user fees, special assessments, and the sale of general obligation bonds. Transportation development districts (TDDs) are another source of revenue for transportation projects; although not included in this discussion given they are not administered by the political jurisdictions within the CATSO MPA. Total revenues received from the two City sales tax sources over the four-year TIP period are estimated at \$73,076,389.

The City also receives revenue from Boone County as part of a County rebate program, and funds through MoDOT from revenue derived from motor vehicle tax, gasoline tax, sales and use tax, and licenses and fees. Total revenues received from these specific sources over the four-year TIP period are estimated at \$34,643,920.

Revenue estimates in Table 2A were provided by the Boone County Auditor's office. The revenue estimates in Table 2B were provided by the City of Columbia Finance Department. Tables 2A and 2B provide a summary of local tax revenue sources. For the Boone County ½ cent sales tax, an annual inflation factor of 1.5% was used, and for dedicated property tax, an annual inflation factor of 2 percent was generally employed. An inflation factor of 1 percent was employed for the City of Columbia ½ cent transportation sales tax and ¼ cent capital improvement sales tax revenue projections. Other revenue sources are projected to be flat across the FY 2018-2021 budget period.

**Table 2A - Boone County Projected Local Revenues 2018 through 2021**

| <b>Anticipated Local Revenue</b>                       | <b>2018</b>        | <b>2019</b>        | <b>2020</b>        | <b>2021</b>        | <b>Total</b>        |
|--|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>Boone County ½ cent sales tax</b>                   | \$3,836,634        | \$3,894,184        | \$3,952,596        | \$4,011,885        | \$15,695,300        |
| <b>Boone County dedicated property tax</b>             | \$414,121          | \$422,403          | \$430,851          | \$439,469          | \$1,706,844         |
| <b>Boone County gas tax</b>                            | \$383,040          | \$383,040          | \$383,040          | \$383,040          | \$1,532,160         |
| <b>Boone County motor vehicle fees &amp; sales tax</b> | \$143,640          | \$143,640          | \$143,640          | \$143,640          | \$574,560           |
| <b>TOTALS</b>  | <b>\$4,777,435</b> | <b>\$4,843,267</b> | <b>\$4,910,128</b> | <b>\$4,978,034</b> | <b>\$19,508,864</b> |

**Table 2B – City of Columbia Projected Local Revenues 2018 through 2021**

| <b>Anticipated Local Revenue</b>                        | <b>2018</b>         | <b>2019</b>         | <b>2020</b>         | <b>2021</b>         | <b>Total</b>         |
|---|---------------------|---------------------|---------------------|---------------------|----------------------|
| <b>City of Columbia<br/>Boone County<br/>Rebate tax</b> | \$2,000,000         | \$2,000,000         | \$2,000,000         | \$2,000,000         | \$8,000,000          |
| <b>City of Columbia<br/>½ cent sales tax</b>            | \$11,998,310        | \$12,118,293        | \$12,239,476        | \$12,361,871        | \$48,717,950         |
| <b>City of Columbia<br/>1/4 cent sales tax</b>          | \$5,999,023         | \$6,059,013         | \$6,119,603         | \$6,180,799         | \$24,358,439         |
| <b>Gasoline Tax (City)</b>                              | \$2,983,251         | \$2,983,251         | \$2,983,251         | \$2,983,251         | \$11,933,004         |
| <b>Motor Vehicle Tax (City)</b>                         | \$1,438,375         | \$1,438,375         | \$1,438,375         | \$1,438,375         | \$5,753,500          |
| <b>Public Improvement Fund/Dev. Fees</b>                | \$2,223,893         | \$2,234,132         | \$2,244,473         | \$2,254,918         | \$8,957,416          |
| <b>TOTALS</b>   | <b>\$26,642,852</b> | <b>\$26,833,064</b> | <b>\$27,025,178</b> | <b>\$27,219,214</b> | <b>\$107,720,309</b> |

**Table 3 - Summary of Forecasted Federal, State & Local Revenue 2018 Through 2021**

| <b>Anticipated Revenue Source</b> | <b>2018</b>         | <b>2019</b>         | <b>2020</b>         | <b>2021</b>         | <b>Total</b>         |
|-----------------------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| <b>Federal</b>                    | \$14,011,492        | \$8,865,514         | \$4,604,514         | \$4,811,014         | \$32,292,534         |
| <b>State (MoDOT)</b>              | \$4,954,469         | \$23,178,169        | \$1,846,469         | \$1,105,969         | \$31,085,075         |
| <b>Boone County</b>               | \$4,777,435         | \$4,843,267         | \$4,910,128         | \$4,978,034         | \$19,508,864         |
| <b>City of Columbia</b>           | \$26,642,852        | \$26,833,064        | \$27,025,178        | \$27,219,214        | \$107,720,309        |
| <b>TOTALS</b>                     | <b>\$50,386,248</b> | <b>\$63,720,014</b> | <b>\$38,386,289</b> | <b>\$38,114,231</b> | <b>\$190,606,782</b> |

**Note:** Above includes state funding for operations and maintenance, capital projects, and transit operations.

- Revenue estimates for state funding were received directly from MoDOT. Please refer to the (state fiscal year) 2018-2022 STIP for more information.

## MoDOT OPERATIONS AND MAINTENANCE

Maintenance costs include MoDOT's salaries, materials and equipment needed to deliver the roadway and bridge maintenance programs. This category includes basic maintenance activities like minor surface treatments such as: sealing, small concrete repairs and pothole patching; mowing right of way; snow removal; replacing signs; striping; repairing guardrail; and repairing traffic signals. Performing these activities requires employees; vehicles and other machinery; and materials such as salt, asphalt and fuel. Maintenance operations expenditures are expected to increase 1.5% annually.

Calculations are \$372,986,000 / 77,537 lane miles.

This makes MoDOT's cost, \$4,810 per lane mile

---

### Assumptions:

|                                   |                        |
|-----------------------------------|------------------------|
| Maintenance Operations            | \$472,304,000 *        |
| Fleet Investments                 | <u>\$ 24,607,000 *</u> |
| Total                             | \$496,911,000          |
| Minus Maintenance Fringe Benefits | <u>\$123,925,000</u>   |
| Total                             | \$372,986,000          |

Lane miles 77,537 \*\*

\*Source: FY 2018 Budget approved 6/7/2017

\*\* Source: Official 2016 State System Mileage

## Local Jurisdictions

The City of Columbia and Boone County were asked to furnish an estimate of annual operation and maintenance costs for locally owned roadways within the CATSO MPA.

This information is used in conjunction with financial estimates, including projected growth rates, to determine the balance between maintaining the existing roadway system and programming for system expansion/reconstruction. Local jurisdictions within the Columbia metropolitan planning area are able to give greater consideration to these matters knowing how the projected operation and maintenance costs may impact funding for expansion projects.

**Table 4 - Estimated Maintenance Costs for Federal Aid Road Mileage in CATSO MPA**

| Maintenance Costs-Federal Aid System | Lane Miles | Cost Per Mile* | 2018        | 2019        | 2020        | 2021        | Total        |
|--------------------------------------|------------|----------------|-------------|-------------|-------------|-------------|--------------|
| State System MoDOT                   | 171        | \$4,810        | \$822,510   | \$847,185   | \$872,601   | \$898,779   | \$3,441,075  |
| Boone County                         | 39         | \$6,624        | \$258,333   | \$266,083   | \$274,065   | \$282,287   | \$1,080,768  |
| City of Columbia                     | 150.6      | \$8,953        | \$1,348,286 | \$1,388,734 | \$1,430,396 | \$1,473,308 | \$5,640,724  |
| <b>TOTAL</b>                         | 360.6      | —              | \$2,429,129 | \$2,502,002 | \$2,577,062 | \$2,654,374 | \$10,162,568 |

\* - Base cost per mile for FY 2018 is in 2017 dollars, 3 percent inflation factor per year added for out years.

Maintenance and operations for only federal-aid public roadways in the CATSO MPA are accounted for in the chart above. All jurisdictional maintenance costs per lane mile are updated figures for 2018. These figures were revised based on previous document numbers and an inflation factor applied. For MPA roadways that are not part of the federal-aid system, the maintenance cost per centerline mile is lower due to multiple factors, including lower traffic volumes.

The lane per mile cost figures above could also be utilized to calculate the maintenance costs for all roadways maintained by the local jurisdictions within the MPA, beyond the federal aid system. The City of Columbia maintains 1150 lane miles of roadway, while Boone County maintains 604 lane miles of roadway within the CATSO MPA. For example, the anticipated total street maintenance budget for Columbia for FY 2018 is \$10,296,906, which divided by the roadway miles gives a lane mile cost of \$8,954.

Tables 5 and 6 illustrate the total revenues projected to be available for the City of Columbia and Boone County, respectively, for both operations and maintenance and capital projects over the four-year TIP period.



**Table 5 – City of Columbia Funding Summary – Roadway Network Projects**

| <b>City of Columbia</b>                                  | <b>2018</b>  | <b>2019</b>  | <b>2020</b>  | <b>2021</b>  | <b>Total</b>  |
|--|--------------|--------------|--------------|--------------|---------------|
| <b>Total Estimated Revenue</b>                           | \$26,642,852 | \$26,833,064 | \$27,025,178 | \$27,219,214 | \$107,720,309 |
| <b>Estimated Operations &amp; Maintenance Costs</b>      | \$10,296,906 | \$10,605,813 | \$10,923,987 | \$11,251,707 | \$43,078,413  |
| <b>Transfers to Go COMO Operations &amp; Maintenance</b> | \$5,073,583  | \$5,151,456  | \$5,230,108  | \$5,309,547  | \$20,764,694  |
| <b>Other Transfers to Go COMO for Project Match</b>      | \$567,056    | \$0          | \$0          | \$20,000     | \$587,056     |
| <b>Funds Available for Capital Projects</b>              | \$10,805,307 | \$11,075,795 | \$10,871,083 | \$10,637,960 | \$43,390,145  |
| <b>Local Share of TIP Projects with Federal Funds</b>    | \$637,030    | \$0          | \$0          | \$20,000     | \$657,030     |
| <b>Funds Available for Additional TIP Projects</b>       | \$10,168,277 | \$11,075,795 | \$10,871,083 | \$10,617,960 | \$42,733,115  |
| <b>Programmed Street Projects 100% City Funded</b>       | \$2,874,500  | \$810,500    | \$2,250,000  | \$5,400,000  | \$11,335,000  |
| <b>Programmed Sidewalk Projects 100% City Funded</b>     | \$442,225    | \$0          | \$0          | \$0          | \$442,225     |
| <b>Funds Available for Potential Further Projects</b>    | \$6,751,552  | \$10,265,295 | \$8,621,083  | \$5,217,960  | \$30,855,890  |

*Note: Additional funding for capital projects may be available from City of Columbia previous year allocations and reserve funds.*

**Table 6 – Boone County Funding Summary – Roadway Network Projects (CATSO MPA)**

| <b>Boone County</b>                                   | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>Total</b> |
|---|-------------|-------------|-------------|-------------|--------------|
| <b>Total Estimated Revenue (CATSO MPA only)</b>       | \$4,777,435 | \$4,843,267 | \$4,910,128 | \$4,978,034 | \$19,508,864 |
| <b>Estimated Operations &amp; Maintenance Costs</b>   | \$4,001,000 | \$4,121,030 | \$4,244,661 | \$4,372,001 | \$16,738,692 |
| <b>Funds Available for Capital Projects</b>           | \$776,435   | \$722,237   | \$665,467   | \$606,033   | \$2,770,173  |
| <b>Local Share of TIP Projects with Federal Funds</b> | \$0         | \$0         | \$0         | \$0         | \$0          |
| <b>Funds Available* for Local Projects</b>            | \$776,435   | \$722,237   | \$665,467   | \$606,033   | \$2,770,173  |

\* Additional funding could potentially be available from Boone County reserve funds for capital roadway projects.

The City of Columbia and Boone County ½ cent sales taxes, plus additional City funding sources, produce adequate revenue that demonstrates that local jurisdictions within the CATSO MPA boundary are able to fund the local share of federally-funded projects programmed in the TIP as well as maintain the local roadway system, including the portions of the federal-aid system maintained by said jurisdictions, over the TIP horizon period.

## **TRANSIT**

The transit operations and maintenance expenses include the salaries and fringe benefits of bus operators, fleet mechanics and administrative staff. It also contains the expenses for maintenance staff of system facilities. Facility maintenance expenses include routine replacement of various parts in the bus washing facility and fuel for fleet operations, the latter being a major expense.

**Table 7 – City of Columbia Funding Summary – Go COMO Projects**

| <b>City of Columbia</b>   | <b>2018</b>  | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>Total</b> |
|---|--------------|-------------|-------------|-------------|--------------|
| <b>Estimated Federal, State, Transfers for Go COMO Operations/Maintenance</b> | \$2,323,286  | \$2,323,286 | \$2,323,286 | \$2,323,286 | \$9,293,144  |
| <b>Federal Funding for Capital Projects</b>                                   | \$2,870,484  | \$0         | \$0         | \$80,000    | \$2,950,484  |
| <b>City of Columbia 1/2 cent Transportation Sales Tax Revenue Transfers</b>   | \$2,496,933  | \$2,555,674 | \$2,615,002 | \$2,674,925 | \$10,342,534 |
| <b>Other Local Revenues – Fees, etc.</b>                                      | \$1,999,943  | \$2,019,075 | \$2,038,399 | \$2,057,915 | \$8,115,332  |
| <b>CIST &amp; TST Transfers for Capital Projects</b>                          | \$294,434    | \$294,434   | \$294,434   | \$294,434   | \$1,177,736  |
| <b>Other Transfers (Reserves, etc.)</b>                                       | \$282,273    | \$282,273   | \$282,273   | \$282,273   | \$1,129,092  |
| <b>Transfers for Capital Project Match</b>                                    | \$567,056    | \$0         | \$0         | \$20,000    | \$587,056    |
| <b>Total Estimated Revenue</b>  | \$10,834,409 | \$7,474,742 | \$7,553,394 | \$7,732,833 | \$33,595,378 |
| <b>Estimated Operations &amp; Maintenance Costs</b>                           | \$6,925,991  | \$6,995,251 | \$7,065,203 | \$7,135,855 | \$28,122,301 |
| <b>Funds Available for Capital Projects</b>                                   | \$3,908,418  | \$479,491   | \$488,191   | \$596,978   | \$5,473,077  |
| <b>Local Share of TIP Capital Projects</b>                                    | \$567,056    | \$0         | \$0         | \$20,000    | \$587,056    |
| <b>Federal Share of TIP Capital Projects</b>                                  | \$2,870,484  | \$0         | \$0         | \$80,000    | \$2,950,484  |
| <b>Financial Capacity for Funding Additional TIP Projects</b>                 | \$470,878    | \$479,491   | \$488,191   | \$496,978   | \$1,935,537  |

**Note:** Additional funding for capital projects could potentially be available from City of Columbia previous year allocations and reserve funds.

## **PROJECT COST ESTIMATES**

General cost estimates are utilized for projects in out years, and other projects for which detailed construction plans are not yet available. As an example, for street projects, the City of Columbia utilizes per lineal foot (plf) cost estimates of \$1,550 plf for major arterials, \$1,100 plf for minor

arterials, \$800 plf for major collectors, and \$700 plf for neighborhood collector streets. It is assumed that 10 percent of the total project cost will be for design/engineering, plus a general figure of \$100 plf for right-of-way is utilized.

Detailed project cost estimates are made using methodologies which include the cost of right-of-way acquisition, utility relocation, design, and construction. There is a large degree of variability; given not all of the factors noted apply for each project. Given the unique nature of each street project, additional construction money may be added for bridge construction, culverts, and other necessary features. Project costs are done in accordance with the construction cost data for the mid-Missouri area. Total cost figures shown for each roadway project represent the estimated cost of constructing the roadway to the adopted design standard for its classification. For other projects, such as sidewalks and trails, the figures reflect the total cost of building the project to the general adopted standard, e.g. 5-foot width for sidewalks.

Note: Individual project listings by jurisdiction and transportation type, financial summaries spreadsheets, and appendices are attached in separate documents.

## **FINANCIAL CONSTRAINT**

The FY 2018-2021 TIP includes a total of \$95,772,840 in capital projects, with \$31,688,350 in federal funds, \$27,670,000 in state funds, and \$36,414,490 in local funding applied to those projects. Total anticipated revenue available for transportation purposes over the four-year TIP period is approximately \$32,292,534 in federal dollars, \$31,085,075 in state funds and \$127,229,173 in local funds. This is a total of \$190,606,782.

Depending upon future federal legislation, additional funds for Transportation Alternatives and other programs might be anticipated in the out years of the TIP period.

Operations and Maintenance (O & M) needs are accounted for in the revenue forecasts and in the programming of projects. The projected numbers below are for those roadways in the Federal-aid roadway system.

For the City of Columbia, a total of \$5,640,724 in streets and sidewalks O & M is projected to be programmed for the federal-aid system (150.6 lane miles) over the four-year TIP period.

And a total of \$22,059,321 in local (City of Columbia 1/2 cent transportation sales tax) funds, \$88,000 in state (MoDOT transit operating) funds, and \$9,213,144 in Federal (FTA Section 5307) funds are projected to be programmed for transit O & M. This is a total of \$31,352,465. Unlike the other O & M categories, the transit funds are included in the TIP's list of programmed capital projects.

For Boone County, a total of \$1,080,768 is projected to be programmed for streets O & M for the federal-aid system (39 lane miles) in the Columbia MPA.

For MoDOT, a total of \$3,441,075 is projected to be programmed for O & M for the federal-aid system (171 lane miles) in the Columbia MPA.

Total maintenance costs for the federal-aid system anticipated among all jurisdictions are \$10,162,568. As noted, this does not include transit O & M costs, which are included in the capital cost totals. Nor does it include the remainder of the street system in the Columbia MPA (non federal-aid mileage), Columbia Regional Airport maintenance and operation costs, which are covered by the same City of Columbia sources of revenue utilized for surface transportation.

For the OATS Inc. system projects, OATS, Inc. has approximately 63% of local funds in its total budget. The local sources will be from the State of Missouri through the transit funding (and some general revenue funding) and the Missouri Elderly and Handicapped Transportation Assistance Program (MEHTAP); the Department of Mental Health (DMH); many local contracts; NEMT (through Division of Medical Services for the State of Missouri) and through local donations. OATS also have over \$2 million dollars of in-kind services through volunteers and that is accounted for at the year end, but can also be used for local match in the federal program, but normally there are enough local funds to meet any needs OATS has to cover. Also, each federal program has a monthly request for its grants with shows both the federal request amount along with the matching dollars and then a year-end reconciliation is done for the financial and single audit.

Combined with programmed capital projects, a total of \$105,935,408 in costs is anticipated. The anticipated revenue of \$190,606,782 is adequate to fund those projected costs. Additional projected revenue not shown as programmed in the FY 2018-2021 TIP is dedicated to other transportation responsibilities of the City of Columbia and Boone County, the major part of which is the maintenance of the non-federal aid roadway system. Projected revenue to be received will also be programmed for future transportation projects as prioritized by the individual jurisdictions, and as new needs arise.



## MoDOT Roadway, Payment & Construction Projects

| County: Boone   |   | MoDOT |            | Funding   | State Fiscal Year |      |      |           |        |
|---|---|-------|------------|-----------|-------------------|------|------|-----------|--------|
|   |   |       |            |           | 2018              | 2019 | 2020 | 2021      | TOTALS |
| Project   | US 63 - Bridge Improvements   | ENG   | Federal    | \$88,000  |                   |      |      | \$88,000  |        |
|   |   |       | State      | \$22,000  |                   |      |      | \$22,000  |        |
| MoDOT #   | 5P3165  |       | Local      |           |                   |      |      |           |        |
| TIP #   | 2017-1  |       | State (AC) |           |                   |      |      |           |        |
| Description:  | Bridge improvements over Bonne Femme Creek. Project involves bridge A3125. Critical condition bridge. | ROW   | Federal    |           |                   |      |      |           |        |
|   |   |       | State      |           |                   |      |      |           |        |
|   |   |       | Local      |           |                   |      |      |           |        |
|   |   |       | Other      |           |                   |      |      |           |        |
| Federal   | FHWA  | CON   | Federal    | \$407,200 |                   |      |      | \$407,200 |        |
| Federal   | NHPP  |       | State      | \$101,800 |                   |      |      | \$101,800 |        |
| MoDOT   | Taking Care of System   |       | Local      |           |                   |      |      |           |        |
| Work or   | ENG/CON   |       | Other      |           |                   |      |      |           |        |
| Total Project   | \$763,000   |       | State (AC) |           |                   |      |      |           |        |
| Total Project Cost includes prior programming of \$144,000. |   |       | TOTAL      | \$619,000 | \$0               | \$0  | \$0  | \$619,000 |        |

| County: Boone   |  | MoDOT |            | Funding | State Fiscal Year |      |      |             |        |
|---|--|-------|------------|---------|-------------------|------|------|-------------|--------|
|   |  |       |            |         | 2018              | 2019 | 2020 | 2021        | TOTALS |
| Project   | Route PP - Pavement and Shoulder Improvements  | ENG   | Federal    |         |                   |      |      |             |        |
|   |  |       | State      |         | \$1,000           |      |      | \$1,000     |        |
| MoDOT #   | 5S3227   |       | Local      |         |                   |      |      |             |        |
| TIP #   | 2018-1   |       | State (AC) |         |                   |      |      |             |        |
| Description:  | Payment to City of Columbia for pavement and shoulder improvements from Mexico Gravel Road to Clark Lane | ROW   | Federal    |         |                   |      |      |             |        |
|   |  |       | State      |         |                   |      |      |             |        |
|   |  |       | Local      |         |                   |      |      |             |        |
|   |  |       | Other      |         |                   |      |      |             |        |
| Federal   |  | CON   | Federal    |         |                   |      |      |             |        |
| Federal   |  |       | State      |         | \$1,800,000       |      |      | \$1,800,000 |        |
| MoDOT   | Taking Care of the System  |       | Local      |         |                   |      |      |             |        |
| Work or   | ENG/CON  |       | Other      |         |                   |      |      |             |        |
| Total Project   | \$1,801,000  |       | State (AC) |         |                   |      |      |             |        |
| Total Project Cost includes prior programming of \$0. |  |       | TOTAL      | \$0     | \$1,801,000       | \$0  | \$0  | \$1,801,000 |        |

## MoDOT Roadway, Payment & Construction Projects

| County: Boone   |  | MoDOT |            | Funding  | State Fiscal Year |      |         |             |        |
|---|--|-------|------------|----------|-------------------|------|---------|-------------|--------|
|   |  |       |            |          | 2018              | 2019 | 2020    | 2021        | TOTALS |
| Project   | Various Routes - Pavement and Shoulder Improvements, Boone &                     | ENG   | Federal    |          |                   |      |         |             |        |
| MoDOT #   |  |       | State      | \$9,800  | \$9,600           |      |         | \$19,400    |        |
| TIP #   |  |       | Local      |          |                   |      |         |             |        |
|   | 2018-2   |       | State (AC) | \$39,200 | \$38,400          |      |         | \$77,600    |        |
| Description:  | Includes pavement and shoulder improvements on Route 163 from Route K to Route H | ROW   | Federal    |          |                   |      |         |             |        |
|   |  |       | State      | \$1,000  |                   |      | \$1,000 |             |        |
|   |  |       | Local      |          |                   |      |         |             |        |
|   |  |       | State (AC) | \$4,000  |                   |      | \$4,000 |             |        |
| Federal   | FHWA   | CON   | Federal    |          |                   |      |         |             |        |
| Federal   | STP  |       | State      |          | \$1,148,600       |      |         | \$1,148,600 |        |
| MoDOT   | Taking Care of the System  |       | Local      |          |                   |      |         |             |        |
| Work or   | ENG/ROW/CON  |       | Other      |          |                   |      |         |             |        |
| Total Project   | \$5,840,000  |       | State (AC) |          | \$4,589,400       |      |         | \$4,589,400 |        |
| Total Project Cost includes prior programming of \$0. |  |       | TOTAL      | \$54,000 | \$5,786,000       | \$0  | \$0     | \$5,840,000 |        |

| County: Boone   |   | MoDOT |            | Funding   | State Fiscal Year |      |      |      |           |
|---|---|-------|------------|-----------|-------------------|------|------|------|-----------|
|   |   |       |            |           | 2018              | 2019 | 2020 | 2021 | TOTALS    |
| Project   | IS 70 - Pavement Repair   | ENG   | Federal    |           |                   |      |      |      |           |
| MoDOT #   | 0I3004I   |       | State      | \$2,300   |                   |      |      |      | \$2,300   |
| TIP #   | 2018-3  |       | Local      |           |                   |      |      |      |           |
| Description:  | Job Order Contracting for asphalt pavement repair in Cooper, Boone, & Callaway Counties | ROW   | State (AC) | \$20,700  |                   |      |      |      | \$20,700  |
|   |   |       | Federal    |           |                   |      |      |      |           |
|   |   |       | State      |           |                   |      |      |      |           |
|   |   |       | Local      |           |                   |      |      |      |           |
|   |   | CON   | Other      |           |                   |      |      |      |           |
| Federal   | FHWA  |       | Federal    |           |                   |      |      |      |           |
| Federal   | NHPP  |       | State      | \$25,500  |                   |      |      |      | \$25,500  |
| MoDOT   | Statewide Interstate and Major  |       | Local      |           |                   |      |      |      |           |
| Work or   | ENG/CON   |       | Other      |           |                   |      |      |      |           |
| Total Project   | \$273,000   |       | State (AC) | \$224,500 |                   |      |      |      | \$224,500 |
| Total Project Cost includes prior programming of \$0. |   |       |            | TOTAL     | \$273,000         | \$0  | \$0  | \$0  | \$273,000 |



## MoDOT Roadway, Payment & Construction Projects

| County: Boone   |  | MoDOT |            | Funding   | State Fiscal Year |      |      |      |           |
|---|--|-------|------------|-----------|-------------------|------|------|------|-----------|
|   |  |       |            |           | 2018              | 2019 | 2020 | 2021 | TOTALS    |
| Project   | IS 70 - Concrete Pavement Repair   | ENG   | Federal    |           |                   |      |      |      |           |
|   |  |       | State      | \$2,300   |                   |      |      |      | \$2,300   |
| MoDOT #   | 0I3004Z  |       | Local      |           |                   |      |      |      |           |
| TIP #   | 2018-4   |       | State (AC) | \$20,700  |                   |      |      |      | \$20,700  |
| Description:  | Job Order Contracting for concrete pavement repair in Cooper, Boone, & Callaway Counties | ROW   | Federal    |           |                   |      |      |      |           |
|   |  |       | State      |           |                   |      |      |      |           |
|   |  |       | Local      |           |                   |      |      |      |           |
|   |  |       | Other      |           |                   |      |      |      |           |
| Federal   | FHWA   | CON   | Federal    |           |                   |      |      |      |           |
| Federal   | NHPP   |       | State      | \$25,500  |                   |      |      |      | \$25,500  |
| MoDOT   | Statewide Interstate and Major   |       | Local      |           |                   |      |      |      |           |
| Work or   | ENG/CON  |       | Other      |           |                   |      |      |      |           |
| Total Project   | \$273,000  |       | State (AC) | \$224,500 |                   |      |      |      | \$224,500 |
| Total Project Cost includes prior programming of \$0. |  |       |            | TOTAL     | \$273,000         | \$0  | \$0  | \$0  | \$273,000 |

| County: Boone  |  | MoDOT |            | Funding   | State Fiscal Year |      |      |           |             |
|--|--|-------|------------|-----------|-------------------|------|------|-----------|-------------|
|  |  |       |            |           | 2018              | 2019 | 2020 | 2021      | TOTALS      |
| Project  | MO 163 - ADA Improvements  | ENG   | Federal    |           |                   |      |      |           |             |
| MoDOT #  | 5S3218   |       | State      | \$38,800  |                   |      |      |           | \$38,800    |
| TIP #  | 2018-5   |       | Local      |           |                   |      |      |           |             |
| Description:   | ADA improvements at various locations from Vandiver Drive to Route K. Includes \$759,000 from Statewide Transportation | ROW   | State (AC) | \$155,200 |                   |      |      | \$155,200 |             |
|  |  |       | Federal    |           |                   |      |      |           |             |
|  |  |       | State      | \$3,000   |                   |      |      |           | \$3,000     |
|  |  |       | Local      |           |                   |      |      |           |             |
|  |  | CON   | State (AC) | \$12,000  |                   |      |      | \$12,000  |             |
| Federal  | FHWA   |       | Federal    |           |                   |      |      |           |             |
| Federal  | NHPP   |       | State      | \$186,800 |                   |      |      |           | \$186,800   |
| MoDOT  | Taking Care of the System  |       | Local      |           |                   |      |      |           |             |
| Work or  | ENG/ROW/CON  |       | Other      |           |                   |      |      |           |             |
| Total Project  | \$1,153,000  |       | State (AC) | \$747,200 |                   |      |      |           | \$747,200   |
| Total Project Cost includes prior programming of \$10,000. |  |       |            | TOTAL     | \$1,143,000       | \$0  | \$0  | \$0       | \$1,143,000 |

## MoDOT Roadway, Payment & Construction Projects

| County: Boone   |  | MoDOT |            | Funding | State Fiscal Year |             |      |             |             |
|---|--|-------|------------|---------|-------------------|-------------|------|-------------|-------------|
|   |  |       |            |         | 2018              | 2019        | 2020 | 2021        | TOTALS      |
| Project   | US 63 - Pavement Improvements  | ENG   | Federal    |         |                   |             |      |             |             |
| MoDOT #   | 5P3235   |       | State      | \$2,400 | \$67,000          |             |      | \$69,400    |             |
| TIP #   | 2018-6   |       | Local      |         |                   |             |      |             |             |
|   |  |       | State (AC) | \$9,600 | \$268,000         |             |      | \$277,600   |             |
| Description:  | Pavement improvements on the NB and SB lanes from Route 22 to Route 763 in Columbia. | ROW   | Federal    |         |                   |             |      |             |             |
|   |  |       | State      |         |                   |             |      |             |             |
|   |  |       | Local      |         |                   |             |      |             |             |
|   |  |       | Other      |         |                   |             |      |             |             |
| Federal   | FHWA   | CON   | Federal    |         |                   |             |      |             |             |
| Federal   | NHPP   |       | State      |         | \$926,000         |             |      | \$926,000   |             |
| MoDOT   | Taking Care of the System  |       | Local      |         |                   |             |      |             |             |
| Work or   | ENG/CON  |       | Other      |         |                   |             |      |             |             |
| Total Project   |  |       | State (AC) |         | \$3,704,000       |             |      | \$3,704,000 |             |
| Total Project Cost includes prior programming of \$0. |  |       |            | TOTAL   | \$12,000          | \$4,965,000 | \$0  | \$0         | \$4,977,000 |

| County: Boone   |   | MoDOT |            | Funding  | State Fiscal Year |      |      |             |        |
|---|---|-------|------------|----------|-------------------|------|------|-------------|--------|
|   |   |       |            |          | 2018              | 2019 | 2020 | 2021        | TOTALS |
| Project   | US 63 - Bridge Improvements   | ENG   | Federal    | \$24,000 | \$484,000         |      |      | \$508,000   |        |
| MoDOT #   | 5P3287  |       | State      | \$6,000  | \$121,000         |      |      | \$127,000   |        |
| TIP #   | 2018-7  |       | Local      |          |                   |      |      |             |        |
|   |   |       | State (AC) |          |                   |      |      |             |        |
| Description:  | Bridge improvements from Route AC to 2.9 miles of Route 54 in Callaway County. Includes total of seven bridges. | ROW   | Federal    |          |                   |      |      |             |        |
|   |   |       | State      |          |                   |      |      |             |        |
|   |   |       | Local      |          |                   |      |      |             |        |
|   |   |       | Other      |          |                   |      |      |             |        |
| Federal   | FHWA  | CON   | Federal    |          | \$3,543,200       |      |      | \$3,543,200 |        |
| Federal   | NHPP  |       | State      |          | \$885,800         |      |      | \$885,800   |        |
| MoDOT   | Taking Care of the System   |       | Local      |          |                   |      |      |             |        |
| Work or   | ENG/CON   |       | Other      |          |                   |      |      |             |        |
| Total Project   | \$5,064,000   |       | State (AC) |          |                   |      |      |             |        |
| Total Project Cost includes prior programming of \$0. |   |       | TOTAL      | \$30,000 | \$5,034,000       | \$0  | \$0  | \$5,064,000 |        |

## MoDOT Roadway, Payment & Construction Projects

| County: Boone   |  | MoDOT |            | Funding  | State Fiscal Year |           |      |           |           |
|---|--|-------|------------|----------|-------------------|-----------|------|-----------|-----------|
|   |  |       |            |          | 2018              | 2019      | 2020 | 2021      | TOTALS    |
| Project   | Route HH - Bridge improvements   | ENG   | Federal    |          |                   |           |      |           |           |
| MoDOT #   | 5S3249   |       | State      | \$2,000  | \$4,000           | \$18,600  |      |           | \$24,600  |
| TIP #   | 2018-8   |       | Local      |          |                   |           |      |           |           |
|   |  |       | State (AC) | \$8,000  | \$16,000          | \$74,400  |      |           | \$98,400  |
| Description:  | Bridge improvements over Hinkson Creek. Project involves bridge N0852. | ROW   | Federal    |          |                   |           |      |           |           |
|   |  |       | State      |          |                   |           |      |           |           |
|   |  |       | Local      |          |                   |           |      |           |           |
|   |  |       | Other      |          |                   |           |      |           |           |
| Federal   | FHWA   | CON   | Federal    |          |                   |           |      |           |           |
| Federal   | STP  |       | State      |          |                   | \$117,400 |      |           | \$117,400 |
| MoDOT   | Taking Care of the System  |       | Local      |          |                   |           |      |           |           |
| Work or   | ENG/CON  |       | Other      |          |                   |           |      |           |           |
| Total Project   |  |       | State (AC) |          |                   | \$469,600 |      |           | \$469,600 |
| Total Project Cost includes prior programming of \$0. |  |       | TOTAL      | \$10,000 | \$20,000          | \$680,000 | \$0  | \$710,000 |           |

| County: Boone   |   | MoDOT |            | Funding     | State Fiscal Year |      |      |             |             |
|---|---|-------|------------|-------------|-------------------|------|------|-------------|-------------|
|   |   |       |            |             | 2018              | 2019 | 2020 | 2021        | TOTALS      |
| Project   | MO 763 - Pavement Improvements                              | ENG   | Federal    | \$190,400   |                   |      |      | \$190,400   |             |
|   |   |       | State      | \$47,600    |                   |      |      | \$47,600    |             |
| MoDOT #   | 5S3159  |       | Local      |             |                   |      |      |             |             |
| TIP #   | 2017-2  |       | State (AC) |             |                   |      |      |             |             |
| Description:  | Pavement improvements from Bus. 70 to Rte. 740 in Columbia. | ROW   | Federal    |             |                   |      |      | \$0         |             |
|   |   |       | State      |             |                   |      |      | \$0         |             |
|   |   |       | Local      |             |                   |      |      |             |             |
|   |   |       | Other      |             |                   |      |      |             |             |
| Federal   | FHWA  | CON   | Federal    | \$1,638,000 |                   |      |      | \$1,638,000 |             |
| Federal   | S.T.P.  |       | State      | \$410,000   |                   |      |      | \$410,000   |             |
| MoDOT   | Taking Care of the System                                   |       | Local      |             |                   |      |      |             |             |
| Work or   | ENG/ROW/CON   |       | Other      |             |                   |      |      |             |             |
| Total Project   | \$2,208,000   |       | State (AC) |             |                   |      |      |             |             |
| Total Project Cost includes prior programming of \$169,000. |   |       |            | TOTAL       | \$2,286,000       | \$0  | \$0  | \$0         | \$2,286,000 |

## MoDOT Roadway, Payment & Construction Projects

| County: Howard   |  | MoDOT |            | Funding     | State Fiscal Year |      |      |      |             |
|--|--|-------|------------|-------------|-------------------|------|------|------|-------------|
|  |  |       |            |             | 2018              | 2019 | 2020 | 2021 | TOTALS      |
| Project  | US 40 - Pavement & Shoulder Improvements                                   | ENG   | Federal    | \$850,400   |                   |      |      |      | \$850,400   |
|  |  |       | State      | \$212,600   |                   |      |      |      | \$212,600   |
| MoDOT #  | 5P3213   |       | Local      |             |                   |      |      |      |             |
| TIP #  | 2017-5   | ROW   | State (AC) |             |                   |      |      |      |             |
| Description:   | Pavement and shoulder improvements from Rte. 5 to Rte. UU in Boone County. |       | Federal    | \$4,000     |                   |      |      |      | \$4,000     |
|  |  |       | State      | \$1,000     |                   |      |      |      | \$1,000     |
|  |  |       | Local      |             |                   |      |      |      |             |
|  |  |       | Other      |             |                   |      |      |      |             |
| Federal  | FHWA   | CON   | Federal    | \$3,518,400 |                   |      |      |      | \$3,518,400 |
| Federal  | S.T.P.   |       | State      | \$879,600   |                   |      |      |      | \$879,600   |
| MoDOT  | Taking Care of System  |       | Local      |             |                   |      |      |      |             |
| Work or  | ENG/CON  |       | Other      |             |                   |      |      |      |             |
| Total Project  | \$5,476,000  |       | State (AC) |             |                   |      |      |      |             |
| Total Project Cost includes prior programming of \$10,000. |  |       | TOTAL      | \$5,466,000 | \$0               | \$0  | \$0  | \$0  | \$5,466,000 |

| County: Various                                       |  | MoDOT |            | Funding | State Fiscal Year |      |             |             |             |
|---|--|-------|------------|---------|-------------------|------|-------------|-------------|-------------|
|   |  |       |            |         | 2018              | 2019 | 2020        | 2021        | TOTALS      |
| Project   | Various Routes - Safety Projects   | ENG   | Federal    |         |                   |      | \$118,800   | \$118,800   |             |
|   |  |       | State      |         |                   |      | \$13,200    | \$13,200    |             |
| MoDOT #   | 0P3021F  |       | Local      |         |                   |      |             |             |             |
| TIP #   | 2018-9   |       | State (AC) |         |                   |      |             |             |             |
| Description:  | Safety projects at various locations in the Central District. \$1,890,000 from Open Container funds. | ROW   | Federal    |         |                   |      |             |             |             |
|   |  |       | State      |         |                   |      |             |             |             |
|   |  |       | Local      |         |                   |      |             |             |             |
|   |  |       | Other      |         |                   |      |             |             |             |
| Federal   | FHWA   | CON   | Federal    |         |                   |      | \$1,858,500 | \$1,858,500 |             |
| Federal   | STP  |       | State      |         |                   |      | \$206,500   | \$206,500   |             |
| MoDOT   | Taking Care of the System  |       | Local      |         |                   |      |             |             |             |
| Work or   | ENG/CON/FFOS   |       | Other      |         |                   |      |             |             |             |
| Total Project   | \$2,197,000  |       | State (AC) |         |                   |      |             |             |             |
| Total Project Cost includes prior programming of \$0. |  |       |            | TOTAL   | \$0               | \$0  | \$0         | \$2,197,000 | \$2,197,000 |

## MoDOT Roadway, Payment & Construction Projects

| County: Various                                       |   | MoDOT |            | Funding | State Fiscal Year |             |          |             |          |
|---|---|-------|------------|---------|-------------------|-------------|----------|-------------|----------|
|   |   |       |            |         | 2018              | 2019        | 2020     | 2021        | TOTALS   |
| Project   | Various Routes - ADA Transition Plan Improvements   | ENG   | Federal    |         |                   | \$67,200    |          | \$67,200    |          |
| MoDOT #   |   |       | 0S3021F    | State   |                   |             | \$16,800 |             | \$16,800 |
| TIP #   | 2018-10   |       | Local      |         |                   |             |          |             |          |
|   |   |       | State (AC) |         |                   |             |          |             |          |
| Description:  | ADA Transition Plan improvements at various locations in the Central District. \$1,205,000 from Statewide Transportation Alternative funds. | ROW   | Federal    |         |                   |             |          |             |          |
|   |   |       | State      |         |                   |             |          |             |          |
|   |   |       | Local      |         |                   |             |          |             |          |
|   |   |       | Other      |         |                   |             |          |             |          |
| Federal   | FHWA  | CON   | Federal    |         |                   | \$1,053,600 |          | \$1,053,600 |          |
| Federal   | Safety  |       | State      |         |                   | \$263,400   |          | \$263,400   |          |
| MoDOT   | Safety  |       | Local      |         |                   |             |          |             |          |
| Work or   | ENG/CON/FFOS  |       | Other      |         |                   |             |          |             |          |
| Total Project   | \$1,401,000   |       | State (AC) |         |                   |             |          |             |          |
| Total Project Cost includes prior programming of \$0. |   |       | TOTAL      | \$0     | \$0               | \$1,401,000 | \$0      | \$1,401,000 |          |

| County: Various                                       |  | MoDOT   |            | Funding   | State Fiscal Year |      |      |           |           |
|---|--|---------|------------|-----------|-------------------|------|------|-----------|-----------|
|   |  |         |            |           | 2018              | 2019 | 2020 | 2021      | TOTALS    |
| Project   | Various Routes - Guardrail or Guard Cable Repair   | ENG     | Federal    |           |                   |      |      |           |           |
| MoDOT #   |  |         | 5P3274     | State     | \$7,600           |      |      |           | \$7,600   |
| TIP #   | 2018-11  |         | Local      |           |                   |      |      |           |           |
| Description:  | Job Order Contracting for guard cable and guardrail repair on various routs in the northern part of the Central District |         | State (AC) | \$30,400  |                   |      |      | \$30,400  |           |
|   |  | Federal |            |           |                   |      |      |           |           |
|   |  | State   |            |           |                   |      |      |           |           |
|   |  | Local   |            |           |                   |      |      |           |           |
|   |  | Other   |            |           |                   |      |      |           |           |
| Federal   | FHWA   | CON     | Federal    |           |                   |      |      |           |           |
| Federal   | STP  |         | State      | \$101,500 |                   |      |      | \$101,500 |           |
| MoDOT   | Taking Care of the System  |         | Local      |           |                   |      |      |           |           |
| Work or   | ENG/CON  |         | Other      |           |                   |      |      |           |           |
| Total Project   | \$548,000  |         | State (AC) | \$408,500 |                   |      |      | \$408,500 |           |
| Total Project Cost includes prior programming of \$0. |  |         |            | TOTAL     | \$548,000         | \$0  | \$0  | \$0       | \$548,000 |

## MoDOT Roadway, Payment & Construction Projects

| County: Various                                       |   | MoDOT   |            | Funding  | State Fiscal Year |      |      |      |          |
|---|---|---------|------------|----------|-------------------|------|------|------|----------|
|   |   |         |            |          | 2018              | 2019 | 2020 | 2021 | TOTALS   |
| Project   | Various Routes - Work Zone Enforcement                                      | ENG     | Federal    | \$900    |                   |      |      |      | \$900    |
|   |   |         | State      | \$100    |                   |      |      |      | \$100    |
| MoDOT #   | 5P3217  |         | Local      |          |                   |      |      |      |          |
| TIP #   | 2017-16   |         | State (AC) |          |                   |      |      |      |          |
| Description:  | On-call work zone enforcement at various locations in the Central District. | ROW     | Federal    |          |                   |      |      |      |          |
|   |   |         | State      |          |                   |      |      |      |          |
|   |   |         | Local      |          |                   |      |      |      |          |
|   |   |         | Other      |          |                   |      |      |      |          |
| Federal   | FHWA  | PAYMENT | Federal    | \$31,500 |                   |      |      |      | \$31,500 |
| Federal   | Safety  |         | State      | \$3,500  |                   |      |      |      | \$3,500  |
| MoDOT   | Safety  |         | Local      |          |                   |      |      |      |          |
| Work or   | PAYMENTS  |         | Other      |          |                   |      |      |      |          |
| Total Project   | \$35,000  |         | State (AC) |          |                   |      |      |      |          |
| Total Project Cost includes prior programming of \$0. |   |         |            | TOTAL    | \$36,000          | \$0  | \$0  | \$0  | \$36,000 |

| County: Boone   |   | MoDOT   |            | Funding | MPO Fiscal Year |      |      |          |          |
|---|---|---------|------------|---------|-----------------|------|------|----------|----------|
|   |   |         |            |         | 2018            | 2019 | 2020 | 2021     | TOTALS   |
| Project   | Various Routes - Work Zone Enforcement                                    | ENG     | Federal    |         | \$900           |      |      |          | \$900    |
|   |   |         | State      |         | \$100           |      |      |          | \$100    |
| MoDOT #   |   |         | Local      |         |                 |      |      |          |          |
| TIP #   |   |         | State (AC) |         |                 |      |      |          |          |
| Description:  | On-call work zone enforcment at various locations in the Central District | ROW     | Federal    |         |                 |      |      |          |          |
|   |   |         | State      |         |                 |      |      |          |          |
|   |   |         | Local      |         |                 |      |      |          |          |
|   |   |         | Other      |         |                 |      |      |          |          |
| Source  | FHWA  | PAYMENT | Federal    |         | \$31,500        |      |      |          | \$31,500 |
| Funding   | Safety  |         | State      |         | \$3,500         |      |      |          | \$3,500  |
| Funding   | Safety  |         | Local      |         |                 |      |      |          |          |
| Fund  | ENG/Payments  |         | State (AC) |         |                 |      |      |          |          |
| Cost  | \$36,000  |         |            |         |                 |      |      |          |          |
| Total Project Cost (state portion) includes prior programming of \$0. |   |         | TOTAL      | \$0     | \$36,000        | \$0  | \$0  | \$36,000 |          |

## MoDOT Roadway, Payment & Construction Projects

| County: Various                                       |  | MoDOT   |            | Funding | State Fiscal Year |          |          |          |          |
|---|--|---------|------------|---------|-------------------|----------|----------|----------|----------|
|   |  |         |            |         | 2018              | 2019     | 2020     | 2021     | TOTALS   |
| Project   | State System Bridge Inspection Program | ENG     | Federal    | \$8,000 | \$8,000           | \$8,000  | \$8,000  | \$32,000 |          |
|   |  |         | State      | \$2,000 | \$2,000           | \$2,000  | \$2,000  | \$8,000  |          |
| MoDOT #   |  |         | Local      |         |                   |          |          |          |          |
| TIP #   | 2015-10                                |         | State (AC) |         |                   |          |          |          |          |
| Description:  | State system bridge inspection program | ROW     | Federal    |         |                   |          |          |          |          |
|   |  |         | State      |         |                   |          |          |          |          |
|   |  |         | Local      |         |                   |          |          |          |          |
|   |  |         | Other      |         |                   |          |          |          |          |
| Federal   | FHWA                                   | PAYMENT | Federal    |         |                   |          |          |          |          |
| Federal   | S.T.P.                                 |         | State      |         |                   |          |          |          |          |
| MoDOT   | State                                  |         | Local      |         |                   |          |          |          |          |
| Work or   | ENG                                    |         | Other      |         |                   |          |          |          |          |
| Total Project   | \$10,000 Annual                        |         | State (AC) |         |                   |          |          |          |          |
| Total Project Cost includes prior programming of \$0. |  |         |            | TOTAL   | \$10,000          | \$10,000 | \$10,000 | \$10,000 | \$40,000 |

| County: Various                                       |  | MoDOT   |            | Funding | State Fiscal Year |          |          |          |          |
|---|--|---------|------------|---------|-------------------|----------|----------|----------|----------|
|   |  |         |            |         | 2018              | 2019     | 2020     | 2021     | TOTALS   |
| Project   | Non-State System Bridge Inspection Program | ENG     | Federal    | \$8,000 | \$8,000           | \$8,000  | \$8,000  | \$32,000 |          |
| MoDOT #   |  |         | State      | \$2,000 | \$2,000           | \$2,000  | \$2,000  | \$8,000  |          |
| TIP #   | 2015-11                                    |         | Local      |         |                   |          |          |          |          |
| Description:  | Non-state system bridge inspection program |         | State (AC) |         |                   |          |          |          |          |
|   |  | ROW     | Federal    |         |                   |          |          |          |          |
|   |  |         | State      |         |                   |          |          |          |          |
|   |  |         | Local      |         |                   |          |          |          |          |
|   |  |         | Other      |         |                   |          |          |          |          |
| Federal   | FHWA                                       | PAYMENT | Federal    |         |                   |          |          |          |          |
| Federal   | S.T.P.                                     |         | State      |         |                   |          |          |          |          |
| MoDOT   | State                                      |         | Local      |         |                   |          |          |          |          |
| Work or   | ENG  |         | Other      |         |                   |          |          |          |          |
| Total Project   | \$10,000 Annual                            |         | State (AC) |         |                   |          |          |          |          |
| Total Project Cost includes prior programming of \$0. |  |         |            | TOTAL   | \$10,000          | \$10,000 | \$10,000 | \$10,000 | \$40,000 |

## MoDOT Roadway, Payment & Construction Projects

---

| MoDOT Financial Summary |              |              |             |             |              |
|-------------------------|--------------|--------------|-------------|-------------|--------------|
| Source                  | 2018         | 2019         | 2020        | 2021        | TOTALS       |
| Federal                 | \$6,768,800  | \$4,075,600  | \$1,136,800 | \$1,993,300 | \$13,974,500 |
| State                   | \$2,096,700  | \$13,582,800 | \$420,200   | \$223,700   | \$16,323,400 |
| Local                   | \$0          | \$0          | \$0         | \$0         | \$0          |
| Other                   | \$0          | \$0          | \$0         | \$0         | \$0          |
| State (AC)              | \$1,904,500  | \$8,615,800  | \$544,000   | \$0         | \$11,064,300 |
| Total                   | \$10,770,000 | \$26,274,200 | \$2,101,000 | \$2,217,000 | \$41,362,200 |



## MoDOT Scoping Projects

| County: Boone  |   | MoDOT |            | Funding  | State Fiscal Year |      |      |          |        |
|--|---|-------|------------|----------|-------------------|------|------|----------|--------|
|  |   |       |            |          | 2018              | 2019 | 2020 | 2021     | TOTALS |
| Project  | RP IS 70W to LP 70W - Bridge Improvements   | ENG   | Federal    | \$9,000  | \$900             |      |      | \$9,900  |        |
|  |   |       | State      | \$1,000  | \$100             |      |      | \$1,100  |        |
| MoDOT #  | 5I3107  |       | Local      |          |                   |      |      |          |        |
| TIP #  | 2016-10   |       | State (AC) |          |                   |      |      |          |        |
| Description:   | Scoping for bridge improvements over I-70 in Columbia. Project involves bridge L0928. | ROW   | Federal    |          |                   |      |      |          |        |
|  |   |       | State      |          |                   |      |      |          |        |
|  |   |       | Local      |          |                   |      |      |          |        |
|  |   |       | Other      |          |                   |      |      |          |        |
| Federal Source Agency                                      | FHWA  | CON   | Federal    |          |                   |      |      |          |        |
| Federal Funding Category                                   | NHPP  |       | State      |          |                   |      |      |          |        |
| MoDOT Funding Category                                     | Taking Care of the System   |       | Local      |          |                   |      |      |          |        |
| Work or Fund Category                                      | ENG   |       | Other      |          |                   |      |      |          |        |
| Future Project Cost  | \$2.001M to \$5.000M  |       | State (AC) |          |                   |      |      |          |        |
| Total Project Cost includes prior programming of \$20,000. |   |       | TOTAL      | \$10,000 | \$1,000           | \$0  | \$0  | \$11,000 |        |

| County: Various                                       |   | MoDOT |            | Funding  | State Fiscal Year |      |      |           |        |
|---|---|-------|------------|----------|-------------------|------|------|-----------|--------|
|   |   |       |            |          | 2018              | 2019 | 2020 | 2021      | TOTALS |
| Project   | OR 70 - Bridge Improvements   | ENG   | Federal    |          |                   |      |      |           |        |
|   |   |       | State      | \$10,000 | \$16,000          |      |      | \$26,000  |        |
| MoDOT #   | 5S3253  |       | Local      |          |                   |      |      |           |        |
| TIP #   | 2018-13   |       | State (AC) | \$40,000 | \$64,000          |      |      | \$104,000 |        |
| Description:  | Scoping for bridge improvements over Little Cedar Creek. Project involves bridge N0974. | ROW   | Federal    |          |                   |      |      |           |        |
|   |   |       | State      |          |                   |      |      |           |        |
|   |   |       | Local      |          |                   |      |      |           |        |
|   |   |       | Other      |          |                   |      |      |           |        |
| Federal Source Agency                                 | FHWA  | CON   | Federal    |          |                   |      |      |           |        |
| Federal Funding Category                              | STP   |       | State      |          |                   |      |      |           |        |
| MoDOT Funding Category                                | Taking Care of the System   |       | Local      |          |                   |      |      |           |        |
| Work or Fund Category                                 | ENG   |       | Other      |          |                   |      |      |           |        |
| Future Project Cost                                   | \$301K to \$1.0 M   |       | State (AC) |          |                   |      |      |           |        |
| Total Project Cost includes prior programming of \$0. |   |       | TOTAL      | \$50,000 | \$80,000          | \$0  | \$0  | \$130,000 |        |

## MoDOT Scoping Projects

| County: Boone   |  | MoDOT |     | Funding    | State Fiscal Year |         |      |      |          |
|---|--|-------|-----|------------|-------------------|---------|------|------|----------|
|   |  |       |     |            | 2018              | 2019    | 2020 | 2021 | TOTALS   |
| Project   | MO 740 - Corridor Extension  |       | ENG | Federal    | \$8,000           | \$800   |      |      | \$8,800  |
|   |  |       |     | State      | \$2,000           | \$200   |      |      | \$2,200  |
| MoDOT #   | 5S0636   |       |     | Local      |                   |         |      |      |          |
| TIP #   | 2010-20  |       |     | State (AC) |                   |         |      |      |          |
| Description:  | Scoping for extension of corridor from Rte. 63 to I-70 at Lake of the Woods in Columbia. |       | ROW | Federal    |                   |         |      |      |          |
| State   |  |       |     |            |                   |         |      |      |          |
| Local   |  |       |     |            |                   |         |      |      |          |
| Other   |  |       |     |            |                   |         |      |      |          |
| Federal Source Agency   | FHWA   |       | CON | Federal    |                   |         |      |      |          |
| Federal Funding Category                                      | S.T.P.   |       |     | State      |                   |         |      |      |          |
| MoDOT Funding Category  | Major Projects and Emerging Needs  |       |     | Local      |                   |         |      |      |          |
| Work or Fund Category   | ENG  |       |     | Other      |                   |         |      |      |          |
| Future Project Cost   | \$50.001M to \$75.000M   |       |     | State (AC) |                   |         |      |      |          |
| Total Project Cost includes prior programming of \$1,598,000. |  |       |     | TOTAL      | \$10,000          | \$1,000 | \$0  | \$0  | \$11,000 |

| County: Boone   |   | MoDOT |     | Funding    | State Fiscal Year |          |      |      |          |
|---|---|-------|-----|------------|-------------------|----------|------|------|----------|
|   |   |       |     |            | 2018              | 2019     | 2020 | 2021 | TOTALS   |
| Project   | Interstate 70 - Drainage Improvements   |       | ENG | Federal    | \$9,000           | \$9,000  |      |      | \$18,000 |
|   |   |       |     | State      | \$1,000           | \$1,000  |      |      | \$2,000  |
| MoDOT #   | 5I3136  |       |     | Local      |                   |          |      |      |          |
| TIP #   | 2018-14   |       |     | State (AC) |                   |          |      |      |          |
| Description:  | Scoping for replacement of median drainage culverts in Cooper, Boone, & Callaway Counties |       | ROW | Federal    |                   |          |      |      |          |
|   |   |       |     | State      |                   |          |      |      |          |
|   |   |       |     | Local      |                   |          |      |      |          |
|   |   |       |     | Other      |                   |          |      |      |          |
| Federal Source Agency                                       | FHWA  |       | CON | Federal    |                   |          |      |      |          |
| Federal Funding Category                                    | NHPP  |       |     | State      |                   |          |      |      |          |
| MoDOT Funding Category                                      | Taking Care of the System   |       |     | Local      |                   |          |      |      |          |
| Work or Fund Category                                       | ENG   |       |     | Other      |                   |          |      |      |          |
| Future Project Cost   | \$2.01 M to \$5.0 M   |       |     | State (AC) |                   |          |      |      |          |
| Total Project Cost includes prior programming of \$381,000. |   |       |     | TOTAL      | \$10,000          | \$10,000 | \$0  | \$0  | \$20,000 |

## MoDOT Scoping Projects

| County: Various  |  | MoDOT |            | Funding | State Fiscal Year |      |      |          |        |
|--|--|-------|------------|---------|-------------------|------|------|----------|--------|
|  |  |       |            |         | 2018              | 2019 | 2020 | 2021     | TOTALS |
| Project  | Various Routes - Pavement Improvements                                       | ENG   | Federal    | \$4,000 | \$4,000           |      |      | \$8,000  |        |
|  |  |       | State      | \$1,000 | \$1,000           |      |      | \$2,000  |        |
| MoDOT #  | 5P3044   |       | Local      |         |                   |      |      |          |        |
| TIP #  | 2016-11  |       | State (AC) |         |                   |      |      |          |        |
| Description:   | Scoping for pavement improvements on various routes in the Central District. | ROW   | Federal    |         |                   |      |      |          |        |
|  |  |       | State      |         |                   |      |      |          |        |
|  |  |       | Local      |         |                   |      |      |          |        |
|  |  |       | Other      |         |                   |      |      |          |        |
| Federal Source Agency                                      | FHWA   | CON   | Federal    |         |                   |      |      |          |        |
| Federal Funding Category                                   | S.T.P.   |       | State      |         |                   |      |      |          |        |
| MoDOT Funding Category                                     | Taking Care of the System  |       | Local      |         |                   |      |      |          |        |
| Work or Fund Category                                      | ENG  |       | Other      |         |                   |      |      |          |        |
| Future Project Cost  | \$15.001M to \$25.000M   |       | State (AC) |         |                   |      |      |          |        |
| Total Project Cost includes prior programming of \$29,000. |  |       | TOTAL      | \$5,000 | \$5,000           | \$0  | \$0  | \$10,000 |        |

| County: Various  |   | MoDOT |            | Funding  | State Fiscal Year |      |      |          |        |
|--|---|-------|------------|----------|-------------------|------|------|----------|--------|
|  |   |       |            |          | 2018              | 2019 | 2020 | 2021     | TOTALS |
| Project  | Various - Surveying for Excess Right of Way                           | ENG   | Federal    |          |                   |      |      |          |        |
|  |   |       | State      | \$25,000 | \$30,000          |      |      | \$55,000 |        |
| MoDOT #  | 5P3179  |       | Local      |          |                   |      |      |          |        |
| TIP #  | 2018-15   |       | State (AC) |          |                   |      |      |          |        |
| Description:   | Surveying to sell excess right of way parcels in the Central District | ROW   | Federal    |          |                   |      |      |          |        |
|  |   |       | State      |          |                   |      |      |          |        |
|  |   |       | Local      |          |                   |      |      |          |        |
|  |   |       | Other      |          |                   |      |      |          |        |
| Federal Source Agency                                      | NA  | CON   | Federal    |          |                   |      |      |          |        |
| Federal Funding Category                                   | State   |       | State      |          |                   |      |      |          |        |
| MoDOT Funding Category                                     | Taking Care of the System   |       | Local      |          |                   |      |      |          |        |
| Work or Fund Category                                      | ENG   |       | Other      |          |                   |      |      |          |        |
| Future Project Cost  | NA  |       | State (AC) |          |                   |      |      |          |        |
| Total Project Cost includes prior programming of \$50,000. |   |       | TOTAL      | \$25,000 | \$30,000          | \$0  | \$0  | \$55,000 |        |

| County: Various  |  | MoDOT |            | Funding | State Fiscal Year |      |      |          |        |
|--|--|-------|------------|---------|-------------------|------|------|----------|--------|
|  |  |       |            |         | 2018              | 2019 | 2020 | 2021     | TOTALS |
| Project  | Various Routes - Slide Repairs   | ENG   | Federal    | \$4,000 | \$4,000           |      |      | \$8,000  |        |
|  |  |       | State      | \$1,000 | \$1,000           |      |      | \$2,000  |        |
| MoDOT #  | 5S3081   |       | Local      |         |                   |      |      |          |        |
| TIP #  | 2015-9   |       | State (AC) |         |                   |      |      |          |        |
| Description:   | Scoping for slide repairs in the northern portion of the Central District. | ROW   | Federal    |         |                   |      |      |          |        |
|  |  |       | State      |         |                   |      |      |          |        |
|  |  |       | Local      |         |                   |      |      |          |        |
|  |  |       | Other      |         |                   |      |      |          |        |
| Federal Source Agency                                      | FHWA   | CON   | Federal    |         |                   |      |      |          |        |
| Federal Funding Category                                   | S.T.P.   |       | State      |         |                   |      |      |          |        |
| MoDOT Funding Category                                     | Taking Care of the System  |       | Local      |         |                   |      |      |          |        |
| Work or Fund Category                                      | ENG  |       | Other      |         |                   |      |      |          |        |
| Future Project Cost  | \$2.001M to \$5.000M   |       | State (AC) |         |                   |      |      |          |        |
| Total Project Cost includes prior programming of \$60,000. |  |       | TOTAL      | \$5,000 | \$5,000           | \$0  | \$0  | \$10,000 |        |

MoDOT Scoping Projects

| MoDOT Scoping Financial Summary |            |           |           |      |      |           |
|---------------------------------|------------|-----------|-----------|------|------|-----------|
|                                 | Source     | 2018      | 2019      | 2020 | 2021 | TOTALS    |
|                                 | Federal    | \$34,000  | \$18,700  | \$0  | \$0  | \$52,700  |
|                                 | State      | \$41,000  | \$49,300  | \$0  | \$0  | \$90,300  |
|                                 | Local      | \$0       | \$0       | \$0  | \$0  | \$0       |
|                                 | Other      | \$0       | \$0       | \$0  | \$0  | \$0       |
|                                 | State (AC) | \$40,000  | \$64,000  | \$0  | \$0  | \$104,000 |
| Total                           |            | \$115,000 | \$132,000 | \$0  | \$0  | \$247,000 |

## Boone County Road Projects

| Boone County             |         |     | Funding      | MPO Fiscal Year |      |      |      |        |
|--------------------------|---------|-----|--------------|-----------------|------|------|------|--------|
|                          |         |     |              | 2018            | 2019 | 2020 | 2021 | TOTALS |
| Project                  |         | ENG | Federal      |                 |      |      |      |        |
|                          |         |     | State        |                 |      |      |      |        |
| MoDOT #                  |         |     | Local        |                 |      |      |      |        |
| TIP #                    |         |     | Other        |                 |      |      |      |        |
| Description:             |         | ROW | Federal      |                 |      |      |      |        |
|                          |         |     | State        |                 |      |      |      |        |
|                          |         |     | Local        |                 |      |      |      |        |
|                          |         |     | Other        |                 |      |      |      |        |
| Federal Source Agency    |         | CON | Federal      |                 |      |      |      |        |
| Federal Funding Category |         |     | State        |                 |      |      |      |        |
| MoDOT Funding Category   |         |     | Local        |                 |      |      |      | \$ -   |
| Work or Fund Category    | ENG/CON |     | Other        |                 |      |      |      |        |
| Total Project Cost       |         |     |              |                 |      |      |      |        |
|                          |         |     | <b>TOTAL</b> | \$0             | \$0  | \$0  | \$0  | \$ -   |

|              | Boone County Financial Summary |         |      |      |      |      |        |
|--------------|--------------------------------|---------|------|------|------|------|--------|
| Agency       |                                | Source  | 2018 | 2019 | 2020 | 2021 | TOTALS |
| Boone County |                                | Federal | \$0  | \$0  | \$0  | \$0  | \$0    |
|              |                                | State   | \$0  | \$0  | \$0  | \$0  | \$0    |
|              |                                | Local   | \$0  | \$0  | \$0  | \$0  | \$0    |
|              |                                | Other   | \$0  | \$0  | \$0  | \$0  | \$0    |
| Total        |                                |         | \$0  | \$0  | \$0  | \$0  | \$0    |

Currently there are no funded capital projects within the TIP scope period.

## City of Columbia Street Projects

| City of Columbia - Streets                                       |  | Funding |              | Fiscal Year |           |             |      |             |
|--|--|---------|--------------|-------------|-----------|-------------|------|-------------|
|  |  |         |              | 2018        | 2019      | 2020        | 2021 | TOTALS      |
| Project  | Ballenger (Route PP) Improvement Project                                       | ENG     | Federal      |             |           |             |      |             |
| MoDOT #  | 2017-17  |         | MoDOT        |             |           |             |      |             |
| TIP #  |  |         | Local        |             | \$140,000 |             |      | \$140,000   |
|  |  |         | Other        |             |           |             |      |             |
| Description:   | Addition of shoulders to section of roadway between Ria and Mexico Gravel Road | ROW     | Federal      |             |           |             |      |             |
|  |  |         | MoDOT        |             |           |             |      |             |
|  |  |         | Local        |             |           |             |      |             |
|  |  |         | Other        |             |           |             |      |             |
| Federal Source Agency  | FHWA   | CON     | Federal      |             |           |             |      | \$0         |
| Federal Funding Category   | STP  |         | MoDOT        |             |           |             |      |             |
| MoDOT Funding Category   |  |         | Local        |             |           | \$2,250,000 |      | \$2,250,000 |
| Work or Fund Category  | ENG/ROW/CON  |         | Other        |             |           |             |      |             |
| Total Project Cost   | \$2,740,000  |         |              |             |           |             |      |             |
| Local Funding - capital improvement sales tax, co rd tax rebate. |  |         | <b>TOTAL</b> | \$0         | \$140,000 | \$2,250,000 | \$0  | \$2,390,000 |

| City of Columbia - Streets                              |   | Funding |              | Fiscal Year |           |      |      |           |
|---|---|---------|--------------|-------------|-----------|------|------|-----------|
|   |   |         |              | 2018        | 2019      | 2020 | 2021 | TOTALS    |
| Project   | Forum & Green Meadows Road Intersection Improvement   | ENG     | Federal      |             |           |      |      |           |
| MoDOT #   |   |         | MoDOT        |             |           |      |      |           |
| TIP #   | 2018-16   |         | Local        | \$74,500    |           |      |      | \$74,500  |
|   |   |         | Other        |             |           |      |      |           |
| Description:  | Construction of roundabout at the current 4-way stop intersection of minor arterial and major collector streets | ROW     | Federal      |             |           |      |      |           |
|   |   |         | MoDOT        |             |           |      |      |           |
|   |   |         | Local        |             |           |      |      |           |
|   |   |         | Other        |             |           |      |      |           |
| Federal Source Agency                                   |   | CON     | Federal      |             |           |      |      |           |
| Federal Funding Category                                |   |         | MoDOT        |             |           |      |      |           |
| MoDOT Funding Category                                  |   |         | Local        |             | \$670,500 |      |      | \$670,500 |
| Work or Fund Category                                   | ENG/ROW/CON   |         | Other        |             |           |      |      |           |
| Total Project Cost                                      | \$745,000   |         |              |             |           |      |      |           |
| Local Funding - 1/4 cent capital improvements sales tax |   |         | <b>TOTAL</b> | \$74,500    | \$670,500 | \$0  | \$0  | \$745,000 |

| City of Columbia - Streets               |   | Funding |         | Fiscal Year |      |      |      |             |
|--|---|---------|---------|-------------|------|------|------|-------------|
|  |   |         |         | 2018        | 2019 | 2020 | 2021 | TOTALS      |
| Project                                  | Sinclair - Old Mill Creek - Nifong Intersections Improvement            | ENG     | Federal |             |      |      |      |             |
| MoDOT #                                  |   |         | MoDOT   |             |      |      |      |             |
| TIP #                                    | 2018-17   |         | Local   | \$250,000   |      |      |      | \$250,000   |
|  |   |         | Other   |             |      |      |      |             |
| Description:                             | Reconstruction of intersections of major arterial and collector streets | ROW     | Federal |             |      |      |      |             |
|  |   |         | MoDOT   |             |      |      |      |             |
|  |   |         | Local   |             |      |      |      |             |
|  |   |         | Other   |             |      |      |      |             |
| Federal Source Agency                    |   | CON     | Federal |             |      |      |      |             |
| Federal Funding Category                 |   |         | MoDOT   |             |      |      |      |             |
| MoDOT Funding Category                   |   |         | Local   | \$2,250,000 |      |      |      | \$2,250,000 |
| Work or Fund Category                    | ENG/CON   |         | Other   |             |      |      |      |             |
| Total Project Cost                       | \$2,500,000   |         |         |             |      |      |      |             |
| Local Funding - transportation sales tax |   |         | TOTAL   | \$2,500,000 | \$0  | \$0  | \$0  | \$2,500,000 |

| City of Columbia - Streets  |  | Funding |         | Fiscal Year |      |      |             |             |
|---|--|---------|---------|-------------|------|------|-------------|-------------|
|   |  |         |         | 2018        | 2019 | 2020 | 2021        | TOTALS      |
| Project   | Discovery Parkway Extension: Gans to New Haven/Rolling | ENG     | Federal |             |      |      |             |             |
| MoDOT #   |  |         | MoDOT   |             |      |      |             |             |
| TIP #   | 2017-18  |         | Local   |             |      |      | \$540,000   | \$540,000   |
|   |  |         | Other   |             |      |      |             |             |
| Description:  | Extension of Discovery Parkway to Rolling Hills Road   | ROW     | Federal |             |      |      |             |             |
|   |  |         | MoDOT   |             |      |      |             |             |
|   |  |         | Local   |             |      |      |             |             |
|   |  |         | Other   |             |      |      |             |             |
| Federal Source Agency   | FHWA   | CON     | Federal |             |      |      |             |             |
| Federal Funding Category  | STP  |         | MoDOT   |             |      |      |             |             |
| MoDOT Funding Category  |  |         | Local   |             |      |      | \$4,860,000 | \$4,860,000 |
| Work or Fund Category   | ENG/CON  |         | Other   |             |      |      |             |             |
| Total Project Cost  | \$5,400,000  |         |         |             |      |      |             |             |
| Local Funding - capital improvement sales tax, county road tax rebate, development fees |  |         | TOTAL   | \$0         | \$0  | \$0  | \$5,400,000 | \$5,400,000 |

| City of Columbia - Streets   |  |     | Funding | Fiscal Year |      |      |      |             |
|--|--|-----|---------|-------------|------|------|------|-------------|
|  |  |     |         | 2018        | 2019 | 2020 | 2021 | TOTALS      |
| Project  | Nifong Widening/Improvement Project  | ENG | Federal |             |      |      |      |             |
|  |  |     | MoDOT   |             |      |      |      |             |
| MoDOT #  |  |     | Local   | \$300,000   |      |      |      | \$300,000   |
| TIP #  | 2017-19  |     | Other   |             |      |      |      |             |
| Description:   | Reconstruction of Nifong Boulevard between Providence Road (Route 163) and Forum Boulevard | ROW | Federal |             |      |      |      | \$0         |
|  |  |     | MoDOT   |             |      |      |      |             |
|  |  |     | Local   |             |      |      |      |             |
|  |  |     | Other   |             |      |      |      |             |
| Federal Source Agency  | FHWA   | CON | Federal |             |      |      |      | \$0         |
| Federal Funding Category   | STP  |     | MoDOT   |             |      |      |      |             |
| MoDOT Funding Category   |  |     | Local   | \$1,179,857 |      |      |      | \$1,179,857 |
| Work or Fund Category  | CON  |     | Other   |             |      |      |      |             |
| Total Project Cost   | \$12,300,000   |     |         |             |      |      |      |             |
| Local funding - sale taxes, development fees, Boone County road tax rebate. Additional funding of \$10,600,000 needed. |  |     | TOTAL   | \$1,479,857 | \$0  | \$0  | \$0  | \$1,479,857 |

| City of Columbia-Streets Financial Summary |         |             |           |             |             |        |              |
|--|---------|-------------|-----------|-------------|-------------|--------|--------------|
| Agency                                     | Source  | 2018        | 2018      | 2019        | 2021        | TOTALS |              |
| City of Columbia                           | Federal | \$0         | \$0       | \$0         | \$0         |        | \$0          |
|  | MoDOT   | \$0         | \$0       | \$0         | \$0         |        | \$0          |
|  | Local   | \$4,054,357 | \$810,500 | \$2,250,000 | \$5,400,000 |        | \$12,514,857 |
|  | Other   | \$0         | \$0       | \$0         | \$0         |        | \$0          |
| Total                                      |         | \$4,054,357 | \$810,500 | \$2,250,000 | \$5,400,000 |        | \$12,514,857 |



## City of Columbia Sidewalk Projects

| City of Columbia - Sidewalks                  |   |     | Funding | Fiscal Year |      |      |      |           |
|---|---|-----|---------|-------------|------|------|------|-----------|
|   |   |     |         | 2018        | 2019 | 2020 | 2021 | TOTALS    |
| Project                                       | Nifong-Bethel Sidewalk  | ENG | Federal |             |      |      |      |           |
| MoDOT #                                       |   |     | MoDOT   |             |      |      |      |           |
| TIP #   | 2015-16   |     | Local   |             |      |      |      |           |
|   |   |     | Other   |             |      |      |      |           |
| Description:                                  | Sidewalk construction in coordination with development of tract at SW corner of Nifong & Bethel | ROW | Federal |             |      |      |      |           |
|   |   |     | MoDOT   |             |      |      |      |           |
|   |   |     | Local   |             |      |      |      |           |
|   |   |     | Other   |             |      |      |      |           |
| Federal Source Agency                         |   | CON | Federal |             |      |      |      |           |
| Federal Funding Category                      |   |     | MoDOT   |             |      |      |      |           |
| MoDOT Funding Category                        |   |     | Local   | \$135,707   |      |      |      | \$135,707 |
| Work or Fund Category                         | CON   |     | Other   |             |      |      |      |           |
| Total Project Cost                            | \$135,707   |     |         |             |      |      |      |           |
| Local funding - Capital Improvement Sales Tax |   |     | TOTAL   | \$135,707   | \$0  | \$0  | \$0  | \$135,707 |

| City of Columbia - Sidewalks                  |  |     | Funding | Fiscal Year |      |      |      |           |
|---|--|-----|---------|-------------|------|------|------|-----------|
|   |  |     |         | 2018        | 2019 | 2020 | 2021 | TOTALS    |
| Project                                       | Chapel Hill Road at Scott Boulevard  | ENG | Federal |             |      |      |      |           |
| MoDOT #                                       |  |     | MoDOT   |             |      |      |      |           |
| TIP #   | 2018-18  |     | Local   | \$15,600    |      |      |      | \$15,600  |
|   |  |     | Other   |             |      |      |      |           |
| Description:                                  | Construction of sidewalk on north side of Chapel Hill Road from Scott intersection approximately 500' east | ROW | Federal |             |      |      |      |           |
|   |  |     | MoDOT   |             |      |      |      |           |
|   |  |     | Local   |             |      |      |      |           |
|   |  |     | Other   |             |      |      |      |           |
| Federal Source Agency                         |  | CON | Federal |             |      |      |      |           |
| Federal Funding Category                      |  |     | MoDOT   |             |      |      |      |           |
| MoDOT Funding Category                        |  |     | Local   | \$140,918   |      |      |      | \$140,918 |
| Work or Fund Category                         | CON  |     | Other   |             |      |      |      |           |
| Total Project Cost                            | \$156,518  |     |         |             |      |      |      |           |
| Local funding - Capital Improvement Sales Tax |  |     | TOTAL   | \$156,518   | \$0  | \$0  | \$0  | \$156,518 |

| City of Columbia - Sidewalks  |  |     | Funding      | Fiscal Year |      |      |      |           |
|---|--|-----|--------------|-------------|------|------|------|-----------|
|   |  |     |              | 2018        | 2019 | 2020 | 2021 | TOTALS    |
| Project   | Carter Lane Sidewalk   | ENG | Federal      |             |      |      |      |           |
| MoDOT #   |  |     | MoDOT        |             |      |      |      |           |
| TIP #   | 2018-19  |     | Local        |             |      |      |      |           |
|   |  |     | Other        |             |      |      |      |           |
| Description:  | Construction of new sidewalk from current sidewalk terminus north to Foxfire Drive | ROW | Federal      |             |      |      |      |           |
|   |  |     | MoDOT        |             |      |      |      |           |
|   |  |     | Local        |             |      |      |      |           |
|   |  |     | Other        |             |      |      |      |           |
| Federal Source Agency   | FHWA   | CON | Federal      | \$279,896   |      |      |      | \$279,896 |
| Federal Funding Category  | TAP  |     | MoDOT        |             |      |      |      |           |
| MoDOT Funding Category  |  |     | Local        | \$69,974    |      |      |      | \$69,974  |
| Work or Fund Category   | CON  |     | Other        |             |      |      |      |           |
| Total Project Cost  | \$349,870  |     |              |             |      |      |      |           |
| Local funding - Capital Improvement Sales Tax, federal funding from Transportation Alternatives Program (TAP) |  |     | <b>TOTAL</b> | \$349,870   | \$0  | \$0  | \$0  | \$349,870 |

| City of Columbia - Sidewalks     |  |     | Funding      | Fiscal Year |      |      |      |           |
|----------------------------------|--|-----|--------------|-------------|------|------|------|-----------|
|                                  |  |     |              | 2018        | 2019 | 2020 | 2021 | TOTALS    |
| Project                          | Ninth & Elm Pedestrian Scramble  | ENG | Federal      |             |      |      |      |           |
| MoDOT #                          |  |     | MoDOT        |             |      |      |      |           |
| TIP #                            | 2017-20  |     | Local        |             |      |      |      |           |
|                                  |  |     | Other        |             |      |      |      |           |
| Description:                     | Modification of pedestrian crosswalk for new pedestrian scramble phasing, along with new signal equipment. | ROW | Federal      |             |      |      |      |           |
|                                  |  |     | MoDOT        |             |      |      |      |           |
|                                  |  |     | Local        |             |      |      |      |           |
|                                  |  |     | Other        |             |      |      |      |           |
| Federal Source Agency            |  | CON | Federal      |             |      |      |      |           |
| Federal Funding Category         |  |     | MoDOT        |             |      |      |      |           |
| MoDOT Funding Category           |  |     | Local        | \$150,000   |      |      |      | \$150,000 |
| Work or Fund Category            | CON  |     | Other        |             |      |      |      |           |
| Total Project Cost               | \$150,000  |     |              |             |      |      |      |           |
| Local funding - Annual Sidewalks |  |     | <b>TOTAL</b> | \$150,000   | \$0  | \$0  | \$0  | \$150,000 |

|                  | City of Columbia - Sidewalks Financial Summary |           |      |      |      |           |
|------------------|--|-----------|------|------|------|-----------|
| Agency           | Source   | 2018      | 2019 | 2020 | 2021 | TOTALS    |
| City of Columbia | Federal  | \$279,896 | \$0  | \$0  | \$0  | \$279,896 |
|                  | MoDOT  |           |      |      |      | \$0       |
|                  | Local  | \$512,199 | \$0  | \$0  | \$0  | \$512,199 |
|                  | Other  |           |      |      |      | \$0       |
| Total            |  | \$792,095 | \$0  | \$0  | \$0  | \$792,095 |

## City of Columbia Non Motorized Pilot Program (Get About Columbia) Projects

| City of Columbia-GetAboutColumbia               |   | Funding | Fiscal Year  |          |      |      |          |
|---|---|---------|--------------|----------|------|------|----------|
|   |   |         | 2018         | 2019     | 2020 | 2021 | TOTALS   |
| Project   | Bike Boulevard, MKT to Bus. Loop 70 and Providence Road   | ENG     | Federal      |          |      |      |          |
| Federal #                                       | CPP-9999 (512), (519)   |         | MoDOT        |          |      |      |          |
| TIP #   | 2013-7  |         | Local        |          |      |      |          |
|   |   |         | Other        |          |      |      |          |
| Description:                                    | Implementation of a bike boulevard connecting the MKT Trail to Business Loop 70, Providence Road, and minor | ROW     | Federal      |          |      |      |          |
|   |   |         | MoDOT        |          |      |      |          |
|   |   |         | Local        |          |      |      |          |
|   |   |         | Other        |          |      |      |          |
| Federal Source Agency                           | FHWA  | CON     | Federal      | \$50,000 |      |      | \$50,000 |
| Federal Funding Category                        | Non-Motorized   |         | MoDOT        |          |      |      |          |
| MoDOT Funding Category                          |   |         | Local        |          |      |      |          |
| Work or Fund Category                           | CON   |         | Other        |          |      |      |          |
| Total Project Cost                              | \$650,000   |         |              |          |      |      |          |
| Includes \$600,000 in previously budgeted funds |   |         | <b>TOTAL</b> | \$50,000 | \$0  | \$0  | \$50,000 |

| City of Columbia-GetAboutColumbia               |   | Funding | Fiscal Year  |           |           |      |            |
|---|---|---------|--------------|-----------|-----------|------|------------|
|   |   |         | 2018         | 2019      | 2020      | 2021 | TOTALS     |
| Project   | Staff payroll & supplies, office lease & related, current project           | ENG     | Federal      | \$200,000 | \$150,000 |      | \$ 350,000 |
| Federal #                                       | CPP-9999 (501)  |         | MoDOT        |           |           |      |            |
| TIP #   | 2009-89   |         | Local        |           |           |      |            |
|   |   |         | Other        |           |           |      |            |
| Description:                                    | Various miscellaneous expenses associated with running office, paying staff | ROW     | Federal      |           |           |      |            |
|   |   |         | MoDOT        |           |           |      |            |
|   |   |         | Local        |           |           |      |            |
|   |   |         | Other        |           |           |      |            |
| Federal Source Agency                           | FHWA  | CON     | Federal      |           |           |      |            |
| Federal Funding Category                        | Non-Motorized   |         | MoDOT        |           |           |      |            |
| MoDOT Funding Category                          |   |         | Local        |           |           |      |            |
| Work or Fund Category                           | ENG   |         | Other        |           |           |      |            |
| Total Project Cost                              | \$1,650,000   |         |              |           |           |      |            |
| Includes \$1,300,000 in prior programmed funds. |   |         | <b>TOTAL</b> | \$200,000 | \$150,000 | \$0  | \$350,000  |

| City of Columbia-GetAboutColumbia               |  |     |         | Funding  |      | Fiscal Year |      |           |        |
|---|--|-----|---------|----------|------|-------------|------|-----------|--------|
|   |  |     |         |          | 2018 | 2019        | 2020 | 2021      | TOTALS |
| Project   | Street markings, signage, six minor intersections, bicycle   | ENG | Federal |          |      |             |      |           |        |
|   |  |     | MoDOT   |          |      |             |      |           |        |
| Federal #                                       | CPP-9999 (504), (524)  |     | Local   |          |      |             |      |           |        |
| TIP #   | 2009-91  |     | Other   |          |      |             |      |           |        |
| Description:                                    | Implementation of a variety of projects to improve the existing street system for biking and walking | ROW | Federal |          |      |             |      |           |        |
|   |  |     | MoDOT   |          |      |             |      |           |        |
|   |  |     | Local   |          |      |             |      |           |        |
|   |  |     | Other   |          |      |             |      |           |        |
| Federal Source Agency                           | FHWA   | CON | Federal | \$30,000 |      |             |      | \$ 30,000 |        |
| Federal Funding Category                        | Non-Motorized  |     | MoDOT   |          |      |             |      |           |        |
| MoDOT Funding Category                          |  |     | Local   |          |      |             |      |           |        |
| Work or Fund Category                           | ENG/CON  |     | Other   |          |      |             |      |           |        |
| Total Project Cost                              | \$1,080,000  |     |         |          |      |             |      |           |        |
| Includes \$1,000,000 in prior programmed funds. |  |     | TOTAL   | \$30,000 | \$0  | \$0         | \$0  | \$30,000  |        |

| City of Columbia-GetAboutColumbia                          |   |     |         | Funding  |         | Fiscal Year |      |          |           |
|--|---|-----|---------|----------|---------|-------------|------|----------|-----------|
|  |   |     |         |          | 2018    | 2019        | 2020 | 2021     | TOTALS    |
| Project  | Program Evaluation and Documentation                          | ENG | Federal | \$20,000 | \$5,000 |             |      |          | \$ 25,000 |
|  |   |     | MoDOT   |          |         |             |      |          |           |
| Federal #  | CPP-9999 (518)  |     | Local   |          |         |             |      |          |           |
| TIP #  | 2013-19   |     | Other   |          |         |             |      |          |           |
| Description:   | Evaluating and report experiments and program results to FHWA | ROW | Federal |          |         |             |      |          |           |
|  |   |     | MoDOT   |          |         |             |      |          |           |
|  |   |     | Local   |          |         |             |      |          |           |
|  |   |     | Other   |          |         |             |      |          |           |
| Federal Source Agency                                      | FHWA  | CON | Federal |          |         |             |      |          |           |
| Federal Funding Category                                   | Non-Motorized   |     | MoDOT   |          |         |             |      |          |           |
| MoDOT Funding Category                                     |   |     | Local   |          |         |             |      |          |           |
| Work or Fund Category                                      | STUDIES   |     | Other   |          |         |             |      |          |           |
| Total Project Cost   | \$150,000   |     |         |          |         |             |      |          |           |
| Note: Project includes prior programmed funds of \$125,000 |   |     | TOTAL   | \$20,000 | \$5,000 | \$0         | \$0  | \$25,000 |           |

| City of Columbia-GetAboutColumbia |  |     |         | Funding | Fiscal Year |           |      |            |        |
|-----------------------------------|--|-----|---------|---------|-------------|-----------|------|------------|--------|
|                                   |  |     |         |         | 2018        | 2019      | 2020 | 2021       | TOTALS |
| Project                           | County House Trail Phase 2 West  | ENG | Federal |         |             |           |      |            |        |
|                                   |  |     | MoDOT   |         |             |           |      |            |        |
| Federal #                         | CPP-9999 (520)   |     | Local   |         |             |           |      |            |        |
| TIP #                             | 2013-21  |     | Other   |         |             |           |      |            |        |
| Description:                      | Construction of a connection from Rockcreek Drive to County House Trail Phase I terminus | ROW | Federal |         | \$40,000    |           |      | \$ 40,000  |        |
|                                   |  |     | MoDOT   |         |             |           |      |            |        |
|                                   |  |     | Local   |         |             |           |      |            |        |
|                                   |  |     | Other   |         |             |           |      |            |        |
| Federal Source Agency             | FHWA   | CON | Federal |         |             | \$650,000 |      | \$ 650,000 |        |
| Federal Funding Category          | Non-Motorized  |     | MoDOT   |         |             |           |      |            |        |
| MoDOT Funding Category            |  |     | Local   |         |             |           |      |            |        |
| Work or Fund Category             | ENG/CON  |     | Other   |         |             |           |      |            |        |
| Total Project Cost                | \$690,000  |     |         |         |             |           |      |            |        |
|                                   |  |     | TOTAL   | \$0     | \$40,000    | \$650,000 | \$0  | \$690,000  |        |

| City of Columbia-GetAboutColumbia           |   |     |         | Funding     |      | Fiscal Year |      |      |              |
|---|---|-----|---------|-------------|------|-------------|------|------|--------------|
|   |   |     |         |             | 2018 | 2019        | 2020 | 2021 | TOTALS       |
| Project                                     | Clark Lane and Hinkson Creek Trail Pedway   | ENG | Federal |             |      |             |      |      | \$ -         |
|   |   |     | MoDOT   |             |      |             |      |      |              |
| Federal #                                   | CPP-9999 (521)  |     | Local   |             |      |             |      |      |              |
| TIP #                                       | 2013-22   |     | Other   |             |      |             |      |      |              |
| Description:                                | Construction of a pedway from Ballenger Lane to Paris Road, north side, including a connection to Conley Road | ROW | Federal |             |      |             |      |      |              |
|   |   |     | MoDOT   |             |      |             |      |      |              |
|   |   |     | Local   |             |      |             |      |      |              |
|   |   |     | Other   |             |      |             |      |      |              |
| Federal Source Agency                       | FHWA  | CON | Federal | \$1,200,000 |      |             |      |      | \$ 1,200,000 |
| Federal Funding Category                    | Non-Motorized   |     | MoDOT   |             |      |             |      |      |              |
| MoDOT Funding Category                      |   |     | Local   |             |      |             |      |      |              |
| Work or Fund Category                       | ENG/CON   |     | Other   |             |      |             |      |      |              |
| Total Project Cost                          | \$1,290,000   |     |         |             |      |             |      |      |              |
| Includes prior programmed funds of \$90,000 |   |     | TOTAL   | \$1,200,000 | \$0  | \$0         | \$0  |      | \$1,200,000  |

| City of Columbia-GetAboutColumbia            |  |     |              | Funding | Fiscal Year |      |      |      |              |
|--|--|-----|--------------|---------|-------------|------|------|------|--------------|
|  |  |     |              |         | 2018        | 2019 | 2020 | 2021 | TOTALS       |
| Project                                      | Shepard Boulevard to Rollins Street Trail Connection   | ENG | Federal      |         |             |      |      |      |              |
|  |  |     | MoDOT        |         |             |      |      |      |              |
| Federal #                                    | CPP-9999 (523)   |     | Local        |         |             |      |      |      |              |
| TIP #  | 2013-23  |     | Other        |         |             |      |      |      |              |
| Description:                                 | Construction of a shared use trail from the east terminus of Rollins Street across Hinkson Creek to connect to Old 63 and Shepard Boulevard neighborhood | ROW | Federal      |         | \$200,000   |      |      |      | \$ 200,000   |
|  |  |     | MoDOT        |         |             |      |      |      |              |
|  |  |     | Local        |         |             |      |      |      |              |
|  |  |     | Other        |         |             |      |      |      |              |
| Federal Source Agency                        | FHWA   | CON | Federal      |         | \$1,640,000 |      |      |      | \$ 1,640,000 |
| Federal Funding Category                     | Non-Motorized  |     | MoDOT        |         |             |      |      |      |              |
| MoDOT Funding Category                       |  |     | Local        |         |             |      |      |      |              |
| Work or Fund Category                        | ENG/CON  |     | Other        |         |             |      |      |      |              |
| Total Project Cost                           | \$2,040,000  |     |              |         |             |      |      |      |              |
| Includes prior programmed funds of \$300,000 |  |     | <b>TOTAL</b> | \$0     | \$1,840,000 | \$0  | \$0  | \$0  | \$1,840,000  |

| GetAboutColumbia Financial Summary |         |             |             |           |      |             |
|------------------------------------|---------|-------------|-------------|-----------|------|-------------|
| Agency                             | Source  | 2018        | 2019        | 2020      | 2021 | TOTALS      |
| City of Columbia                   | Federal | \$1,500,000 | \$2,035,000 | \$650,000 | \$0  | \$4,185,000 |
| Non-Motorized Pilot Program        | MoDOT   | \$0         | \$0         | \$0       | \$0  | \$0         |
|                                    | Local   | \$0         | \$0         | \$0       | \$0  | \$0         |
|                                    | Other   | \$0         | \$0         | \$0       | \$0  | \$0         |
| <b>Total</b>                       |         | \$1,500,000 | \$2,035,000 | \$650,000 | \$0  | \$4,185,000 |

## Railroad/Highway Projects

| City of Columbia - Railroad/Highway |      |     | Funding      | Fiscal Year |      |      |      | TOTALS |
|-------------------------------------|------|-----|--------------|-------------|------|------|------|--------|
| Project                             |      |     |              | 2018        | 2019 | 2020 | 2021 |        |
|                                     |      | ENG | Federal      |             |      |      |      |        |
|                                     |      |     | MoDOT        |             |      |      |      |        |
|                                     |      |     | Local        |             |      |      |      |        |
|                                     |      |     | Other        |             |      |      |      |        |
|                                     |      | ROW | Federal      |             |      |      |      |        |
|                                     |      |     | MoDOT        |             |      |      |      |        |
|                                     |      |     | Local        |             |      |      |      |        |
|                                     |      |     | Other        |             |      |      |      |        |
| Federal Source Agency               | FHWA | CON | Federal      |             |      |      |      | \$ -   |
| Federal Funding Category            |      |     | MoDOT        |             |      |      |      |        |
| MoDOT Funding Category              |      |     | Local        |             |      |      |      |        |
| Work or Fund Category               |      |     | Other        |             |      |      |      |        |
| Total Project Cost                  |      |     |              |             |      |      |      |        |
|                                     |      |     | <b>TOTAL</b> | \$0         | \$0  | \$0  | \$0  | \$ -   |

| Railroad/Highway Financial Summary |         |      |      |      |      |        |
|------------------------------------|---------|------|------|------|------|--------|
| Agency                             | Source  | 2017 | 2018 | 2019 | 2021 | TOTALS |
| City of Columbia                   | Federal | \$0  |      |      |      | \$0    |
|                                    | MoDOT   | \$0  |      |      |      | \$0    |
|                                    | Local   | \$0  |      |      |      | \$0    |
|                                    | Other   | \$0  |      |      |      | \$0    |
| Total                              | \$0     | \$0  | \$0  | \$0  | \$0  | \$0    |

No projects currently planned for TIP scope period.



## Transit Projects

| Go COMO   |   | Funding | Fiscal Year  |             |             |             |               |
|---|---|---------|--------------|-------------|-------------|-------------|---------------|
|   |   |         | 2018         | 2019        | 2020        | 2021        | TOTALS        |
| Project   | Maintenance of existing operations and facilities & equipment | ENG     | Federal      |             |             |             |               |
| State #   |   |         | State        |             |             |             |               |
| TIP #   | 2015-18   |         | Local        |             |             |             |               |
|   |   |         | Other        |             |             |             |               |
| Description:  | FY 2018-2021 operating assistance FTA Section 5307            | ROW     | Federal      |             |             |             |               |
|   |   |         | State        |             |             |             |               |
|   |   |         | Local        |             |             |             |               |
|   |   |         | Other        |             |             |             |               |
| Federal Source Agency   | FTA   | CON     | Federal      | \$2,303,286 | \$2,303,286 | \$2,303,286 | \$ 9,213,144  |
| Federal Funding Category  | Section 5307  |         | State        | \$20,000    | \$20,000    | \$20,000    | \$ 80,000     |
| State Funding Category  | STF   |         | Local        | \$5,030,472 | \$5,341,593 | \$5,669,297 | \$ 22,059,321 |
| Work or Fund Category   |   |         | Other        |             |             |             |               |
| Total Project Cost  | \$29,877,211  |         |              |             |             |             |               |
| Local Funding - 1/2 cent transportation sales tax,<br>State funding - State Transportation Fund |   |         | <b>TOTAL</b> | \$7,353,758 | \$7,664,879 | \$7,992,583 | \$8,341,245   |
|   |   |         |              |             |             |             | \$31,352,465  |

Note: STF is State Transit Funding, which is operating assistance provided for transit purposes.

| Go COMO   |  | Funding | Fiscal Year  |             |      |      |             |
|---|--|---------|--------------|-------------|------|------|-------------|
|   |  |         | 2018         | 2019        | 2020 | 2021 | TOTALS      |
| Project   | Low Emission No Emission Grant   | ENG     | Federal      |             |      |      |             |
| State #   |  |         | State        |             |      |      |             |
| TIP #   | 2018-20  |         | Local        |             |      |      |             |
|   |  |         | Other        |             |      |      |             |
| Description:                                      | Three (3) 30 ft Electric buses and ancillary equipment, project management, and electrical service relocation. | ROW     | Federal      |             |      |      |             |
|   |  |         | State        |             |      |      |             |
|   |  |         | Local        |             |      |      |             |
|   |  |         | Other        |             |      |      |             |
| Federal Source Agency                             | FTA  | CON     | Federal      | \$1,712,300 |      |      | \$1,712,300 |
| Federal Funding Category                          | Section 5339   |         | State        |             |      |      |             |
| State Funding Category                            |  |         | Local        | \$336,200   |      |      | \$336,200   |
| Work or Fund Category                             | CON  |         | Other        |             |      |      |             |
| Total Project Cost                                |  |         |              |             |      |      |             |
| Local Funding - 1/2 cent transportation sales tax |  |         | <b>TOTAL</b> | \$2,048,500 | \$0  | \$0  | \$0         |
|   |  |         |              |             |      |      | \$2,048,500 |

| Go COMO   |   |     | Funding | Fiscal Year |      |      |      |           |
|---|---|-----|---------|-------------|------|------|------|-----------|
|   |   |     |         | 2018        | 2019 | 2020 | 2021 | TOTALS    |
| Project   | Bus Replacement FY 2013 - 5339                      | ENG | Federal |             |      |      |      |           |
| State #   |   |     | State   |             |      |      |      |           |
| TIP #   | 2018-21   |     | Local   |             |      |      |      |           |
| Description:                                      | One (1) 30 ft electric bus and ancillary equipment. |     | Other   |             |      |      |      |           |
|   |   | ROW | Federal |             |      |      |      |           |
|   |   |     | State   |             |      |      |      |           |
|   |   |     | Local   |             |      |      |      |           |
|   |   |     | Other   |             |      |      |      |           |
| Federal Source Agency                             | FTA   | CON | Federal | \$360,000   |      |      |      | \$360,000 |
| Federal Funding Category                          | Section 5339  |     | State   |             |      |      |      |           |
| State Funding Category                            |   |     | Local   | \$90,000    |      |      |      | \$90,000  |
| Work or Fund Category                             | CON   |     | Other   |             |      |      |      |           |
| Total Project Cost                                |   |     |         |             |      |      |      |           |
| Local Funding - 1/2 cent transportation sales tax |   |     | TOTAL   | \$450,000   | \$0  | \$0  | \$0  | \$450,000 |

| Go COMO   |  |     | Funding | Fiscal Year |      |      |      |           |
|---|--|-----|---------|-------------|------|------|------|-----------|
|   |  |     |         | 2018        | 2019 | 2020 | 2021 | TOTALS    |
| Project   | Bus and Van Replacement FY 2014-17 5339                              | ENG | Federal |             |      |      |      |           |
| State #   |  |     | State   |             |      |      |      |           |
| TIP #   | 2018-22  |     | Local   |             |      |      |      |           |
| Description:                                      | One (1) 40 ft CNG Bus, six (6) cutaway vans and ancillary equipment. |     | Other   |             |      |      |      |           |
|   |  | ROW | Federal |             |      |      |      |           |
|   |  |     | State   |             |      |      |      |           |
|   |  |     | Local   |             |      |      |      |           |
|   |  |     | Other   |             |      |      |      |           |
| Federal Source Agency                             | FTA  | CON | Federal | \$798,184   |      |      |      | \$798,184 |
| Federal Funding Category                          | Section 5339   |     | State   |             |      |      |      |           |
| State Funding Category                            |  |     | Local   | \$140,856   |      |      |      | \$140,856 |
| Work or Fund Category                             | CON  |     | Other   |             |      |      |      |           |
| Total Project Cost                                |  |     |         |             |      |      |      |           |
| Local Funding - 1/2 cent transportation sales tax |  |     | TOTAL   | \$939,040   | \$0  | \$0  | \$0  | \$939,040 |

| Go COMO   |  |     | Funding | Fiscal Year |      |      |           |           |
|---|--|-----|---------|-------------|------|------|-----------|-----------|
|   |  |     |         | 2018        | 2019 | 2020 | 2021      | TOTALS    |
| Project   | Bus Priority System for Traffic Signal Control                                     | ENG | Federal |             |      |      |           |           |
| State #   |  |     | State   |             |      |      |           |           |
| TIP #   | 2010-17  |     | Local   |             |      |      |           |           |
| Description:                                      | Traffic signal controller system to enable bus priority at signals for late routes |     | Other   |             |      |      |           |           |
|   |  | ROW | Federal |             |      |      |           |           |
|   |  |     | State   |             |      |      |           |           |
|   |  |     | Local   |             |      |      |           |           |
|   |  |     | Other   |             |      |      |           |           |
| Federal Source Agency                             | FTA  | CON | Federal |             |      |      | \$80,000  | \$80,000  |
| Federal Funding Category                          | Section 5339   |     | State   |             |      |      |           |           |
| State Funding Category                            |  |     | Local   |             |      |      | \$20,000  | \$20,000  |
| Work or Fund Category                             | CON  |     | Other   |             |      |      |           |           |
| Total Project Cost                                | \$100,000  |     |         |             |      |      |           |           |
| Local Funding - 1/2 cent transportation sales tax |  |     | TOTAL   | \$0         | \$0  | \$0  | \$100,000 | \$100,000 |

| Alternative Community Training |  | Funding | Fiscal Year  |          |          |          |           |
|--------------------------------|--|---------|--------------|----------|----------|----------|-----------|
|                                |  |         | 2018         | 2019     | 2020     | 2021     | TOTALS    |
| Project                        | Purchase of four lift-equipped mini-vans   | ENG     | Federal      |          |          |          |           |
| State #                        |  |         | State        |          |          |          |           |
| TIP #                          | 2017-22  |         | Local        |          |          |          |           |
|                                |  |         | Other        |          |          |          |           |
| Description:                   | Purchase of four (4) lift-equipped mini-vans to provide regular transport for ACT Day Program over four fiscal years | ROW     | Federal      |          |          |          |           |
|                                |  |         | State        |          |          |          |           |
|                                |  |         | Local        |          |          |          |           |
|                                |  |         | Other        |          |          |          |           |
| Federal Source Agency          | FTA  | CON     | Federal      | \$28,000 | \$28,000 | \$28,000 | \$112,000 |
| Federal Funding Category       | Section 5310   |         | State        |          |          |          |           |
| State Funding Category         |  |         | Local        | \$7,000  | \$7,000  | \$7,000  | \$28,000  |
| Work or Fund Category          | CON  |         | Other        |          |          |          |           |
| Total Project Cost             | \$140,000  |         |              |          |          |          |           |
|                                |  |         | <b>TOTAL</b> | \$35,000 | \$35,000 | \$35,000 | \$35,000  |
|                                |  |         |              |          |          |          | \$140,000 |

| OATS, Inc.                 |   |     | Funding | Fiscal Year |      |          |          |           |
|----------------------------|---|-----|---------|-------------|------|----------|----------|-----------|
|                            |   |     |         | 2018        | 2019 | 2020     | 2021     | TOTALS    |
| Project                    | Purchase of two lift-equipped vehicles  | ENG | Federal |             |      |          |          |           |
|                            |   |     | State   |             |      |          |          |           |
| State #                    |   |     | Local   |             |      |          |          |           |
| TIP #                      |   |     | Other   |             |      |          |          |           |
| Description:               | Purchase of a total of two (2) lift-equipped vehicles to provide service in CATSO | ROW | Federal |             |      |          |          |           |
|                            |   |     | State   |             |      |          |          |           |
|                            |   |     | Local   |             |      |          |          |           |
|                            |   |     | Other   |             |      |          |          |           |
| Federal Source Agency      | FTA   | CON | Federal | \$47,026    | \$0  | \$60,800 | \$60,800 | \$168,626 |
| Federal Funding Category   | Section 5310  |     | State   |             |      |          |          |           |
| State Funding Category     |   |     | Local   | \$11,757    | \$0  | \$15,200 | \$15,200 | \$42,157  |
| Work or Fund Category      | CON   |     | Other   |             |      |          |          |           |
| Total Project Cost         | \$210,783   |     |         |             |      |          |          |           |
| Other Funding - OATS, Inc. |   |     | TOTAL   | \$58,783    | \$0  | \$76,000 | \$76,000 | \$210,783 |

| OATS, Inc.                 |   |     | Funding | Fiscal Year |           |           |           |           |
|----------------------------|---|-----|---------|-------------|-----------|-----------|-----------|-----------|
|                            |   |     |         | 2018        | 2019      | 2020      | 2021      | TOTALS    |
| Project                    | Elderly & Disabled & beyond ADA         | ENG | Federal |             |           |           |           |           |
| State #                    |   |     | State   |             |           |           |           |           |
| TIP #                      | 2017-26                                 |     | Local   |             |           |           |           |           |
| Description:               | Section 5310 funding for transportation |     | Other   |             |           |           |           |           |
|                            |   | ROW | Federal |             |           |           |           |           |
|                            |   |     | State   |             |           |           |           |           |
|                            |   |     | Local   |             |           |           |           |           |
|                            |   |     | Other   |             |           |           |           |           |
| Federal Source Agency      | FTA                                     | CON | Federal | \$100,000   | \$100,000 | \$100,000 | \$100,000 | \$400,000 |
| Federal Funding Category   | Section 5310                            |     | State   |             |           |           |           |           |
| State Funding Category     |   |     | Local   | \$100,000   | \$100,000 | \$100,000 | \$100,000 | \$400,000 |
| Work or Fund Category      |   |     | Other   |             |           |           |           |           |
| Total Project Cost         | \$800,000                               |     |         |             |           |           |           |           |
| Other Funding - OATS, Inc. |   |     | TOTAL   | \$200,000   | \$200,000 | \$200,000 | \$200,000 | \$800,000 |

| OATS, Inc.               |  |     | Funding | Fiscal Year |      |      |          |           |
|--------------------------|--|-----|---------|-------------|------|------|----------|-----------|
|                          |  |     |         | 2018        | 2019 | 2020 | 2021     | TOTALS    |
| Project                  | Bus and Bus Facilities                 | ENG | Federal |             |      |      |          |           |
| State #                  |  |     | State   |             |      |      |          |           |
| TIP #                    | 2018-23                                |     | Local   |             |      |      |          |           |
| Description:             | Purchase of two lift-equipped vehicles |     | Other   |             |      |      |          |           |
|                          |  | ROW | Federal |             |      |      |          |           |
|                          |  |     | State   |             |      |      |          |           |
|                          |  |     | Local   |             |      |      |          |           |
|                          |  |     | Other   |             |      |      |          |           |
| Federal Source Agency    | FTA                                    | CON | Federal | \$59,000    | \$0  | \$0  | \$60,000 | \$119,000 |
| Federal Funding Category | Section 5339                           |     | State   |             |      |      |          |           |
| State Funding Category   |  |     | Local   | \$14,900    | \$0  | \$0  | \$15,000 | \$29,900  |
| Work or Fund Category    |  |     | Other   |             |      |      |          |           |
| Total Project Cost       | \$148,900                              |     |         |             |      |      |          |           |
|                          |  |     | TOTAL   | \$73,900    | \$0  | \$0  | \$75,000 | \$148,900 |

| OATS, Inc.                 |   |     | Funding | Fiscal Year |           |           |           |           |
|----------------------------|---|-----|---------|-------------|-----------|-----------|-----------|-----------|
|                            |   |     |         | 2018        | 2019      | 2020      | 2021      | TOTALS    |
| Project                    | Funding for general public transportation in  | ENG | Federal |             |           |           |           |           |
| State #                    |   |     | State   |             |           |           |           |           |
| TIP #                      | 2015-22   |     | Local   |             |           |           |           |           |
| Description:               | Section 5311 funding for unincorporated Boone County, all service operates from base in |     | Other   |             |           |           |           |           |
|                            |   | ROW | Federal |             |           |           |           |           |
|                            |   |     | State   |             |           |           |           |           |
|                            |   |     | Local   |             |           |           |           |           |
|                            |   |     | Other   |             |           |           |           |           |
| Federal Source Agency      | FTA   | CON | Federal | \$55,000    | \$58,000  | \$60,000  | \$60,000  | \$233,000 |
| Federal Funding Category   | Section 5311  |     | State   | \$2,000     | \$2,000   | \$2,000   | \$2,000   | \$8,000   |
| State Funding Category     |   |     | Local   | \$57,000    | \$60,000  | \$62,000  | \$62,000  | \$241,000 |
| Work or Fund Category      | CON   |     | Other   |             |           |           |           | \$0       |
| Total Project Cost         | \$482,000   |     |         |             |           |           |           |           |
| Other Funding - OATS, Inc. |   |     | TOTAL   | \$114,000   | \$120,000 | \$124,000 | \$124,000 | \$482,000 |

| Transit Financial Summary   |         |                     |                    |                    |                    |                     |
|-----------------------------|---------|---------------------|--------------------|--------------------|--------------------|---------------------|
| <i>Agencies</i>             | Source  | 2018                | 2018               | 2019               | 2021               | TOTALS              |
| Go COMO; OATS, Inc.;<br>ACT | Federal | \$5,462,796         | \$2,489,286        | \$2,552,086        | \$2,692,086        | \$13,196,254        |
|                             | State   | \$22,000            | \$22,000           | \$22,000           | \$22,000           | \$88,000            |
|                             | Local   | \$5,788,185         | \$5,508,593        | \$5,853,497        | \$6,237,159        | \$23,387,434        |
|                             | Other   | \$0                 | \$0                | \$0                | \$0                | \$0                 |
| <b>Total</b>                |         | <b>\$11,272,981</b> | <b>\$8,019,879</b> | <b>\$8,427,583</b> | <b>\$8,951,245</b> | <b>\$36,671,688</b> |

Note: FTA capital funding availability is subject to Congressional action or selection as part of the FTA rating process

Note: Total FTA funding by year/category is as follows:

| <b>Category</b>        | <b>2018</b>        | <b>2019</b>        | <b>2020</b>        | <b>2021</b>        | <b>TOTAL</b>        |
|------------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Section 5307 Operating | \$2,303,286        | \$2,303,286        | \$2,303,286        | \$2,303,286        | \$9,213,144         |
| Section 5339 Capital   | \$2,929,484        | \$0                | \$0                | \$140,000          | \$3,069,484         |
| Section 5310           | \$175,026          | \$128,000          | \$188,800          | \$188,800          | \$680,626           |
| Section 5311           | \$55,000           | \$58,000           | \$60,000           | \$60,000           | \$233,000           |
| <b>Total</b>           | <b>\$5,462,796</b> | <b>\$2,489,286</b> | <b>\$2,552,086</b> | <b>\$2,692,086</b> | <b>\$13,196,254</b> |



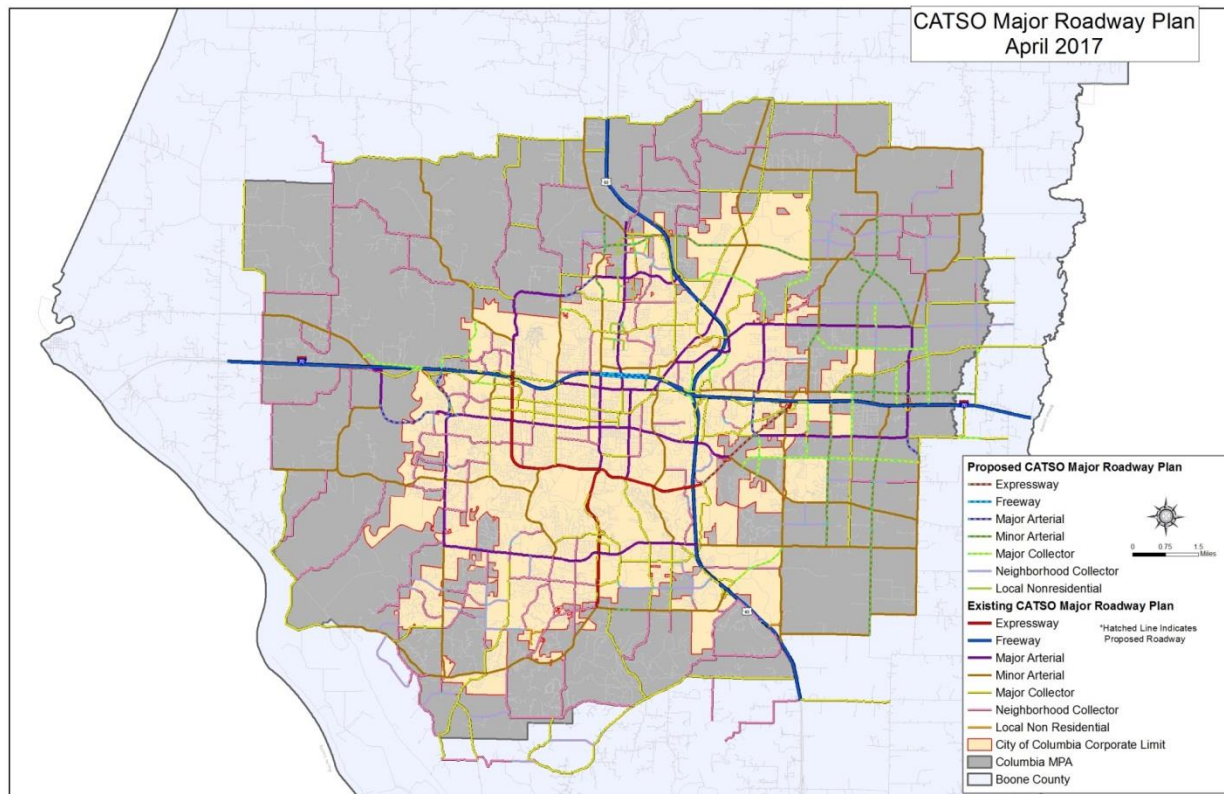
| <b>Total Financial Summary<br/>FY 2018-2021 TIP<br/>Programmed Projects</b> | <b>Federal \$</b> | <b>Local \$</b> | <b>Total \$</b> |
|---|-------------------|-----------------|-----------------|
|   |                   |                 |                 |
| <i>Capital Projects</i>   |                   |                 |                 |
|   |                   |                 |                 |
| MoDOT Roadways  | \$13,974,500      | \$27,387,700    | \$41,362,200    |
|   |                   |                 |                 |
| MoDOT Scoping   | \$52,700          | \$194,300       | \$247,000       |
|   |                   |                 |                 |
| Boone Co  | \$0               | \$0             | \$0             |
|   |                   |                 |                 |
| Columbia Streets  | \$0               | \$12,514,857    | \$12,514,857    |
|   |                   |                 |                 |
| Columbia Sidewalks  | \$279,896         | \$512,199       | \$792,095       |
|   |                   |                 |                 |
| Get About (Non-Motorized)   | \$4,185,000       | \$0             | \$4,185,000     |
|   |                   |                 |                 |
| Rail-Highway  | \$0               | \$0             | \$0             |
|   |                   |                 |                 |
| Transit   | \$13,196,254      | \$23,475,434    | \$36,671,688    |
|   |                   |                 |                 |
|   |                   |                 |                 |
| <i>Total Capital Project Funding</i>  | \$31,688,350      | \$64,084,490    | \$95,772,840    |
|   |                   |                 |                 |
| <i>Total Maintenance (Fed-aid system)</i>                                   | \$0               | \$10,162,568    | \$10,162,568    |
|   |                   |                 |                 |
| <i>Total Programmed</i>   | \$31,688,350      | \$74,247,058    | \$105,935,408   |
|   |                   |                 |                 |
| <i>Total Revenue</i>  | \$32,292,534      | \$158,314,248   | \$190,606,782   |
|   |                   |                 |                 |
| <i>Funds Remaining*</i>   | \$604,184         | \$84,067,190    | \$84,671,374    |

\*Note: the remaining local funds are used for a variety of other transportation related responsibilities which the City and County must meet. Primarily this is maintenance of the existing roadway system.

# Appendices

## FY 2018-2021 Draft CATSO Transportation Improvement Program

## APPENDIX A



(THIS PAGE LEFT BLANK)

## **APPENDIX B**

### ***EXPLANATION OF ABBREVIATIONS & ACRONYMS USED IN THIS DOCUMENT***

|          |   |
|----------|---|
| CATSO    | Columbia Area Transportation Study Organization                               |
| CDBG     | Community Development Block Grant   |
| CON      | Construction  |
| ENG      | Engineering   |
| FAST Act | Fixing America's Surface Transportation Act                                   |
| FHWA     | Federal Highway Administration  |
| FTA      | Federal Transit Administration  |
| FY       | Fiscal Year   |
| IM       | Interstate Maintenance Program (Federal-aid highway program funding category) |
| MAP-21   | Moving Ahead for Progress in the 21 <sup>st</sup> Century                     |
| MoDOT    | Missouri Department of Transportation   |
| MPA      | Metropolitan Planning Area  |
| MPO      | Metropolitan Planning Organization  |
| NHPP     | National Highway Performance Program  |
| NHFP     | National Highway Freight Program  |
| NMTPP    | Non-Motorized Transportation Pilot Program                                    |
| NHS      | National Highway System   |
| OATS     | Organized Alternative Transit System, Inc.                                    |
| ONEDOT   | FHWA & FTA referred to collectively.  |
| ROW      | Right-of-Way  |
| STBG     | Surface Transportation Block Grant Program                                    |
| STF      | State Transit Funds   |
| STIP     | State Transportation Improvement Program                                      |
| TAP      | Transportation Alternatives Program (formerly Enhancements)                   |
| TEAP     | Traffic Engineering Assistance Program  |
| TIP      | Transportation Improvement Program  |

## APPENDIX C

### Funding Sources and Descriptions

#### ***Federal***

The Federal government allocates highway Trust funds collected from gasoline and other federal transportation related taxes to major Transportation Programs administered by the Federal Highway Administration and the Federal Transit Administration.

On December 4, 2015, President Obama signed into law The Fixing America's Surface Transportation Act (FAST Act), which authorizes the federal surface transportation programs for highways, highway safety, transit and rail for the five-year period from 2016 through 2020.

The following is a list of some of the federal transportation programs in which funding is available.

#### **Major Federal-Aid Highway Programs Under FAST Act**

- **STBG** – Surface Transportation Block Grant Program – This is one of several categories of federal transportation funds and can be used for road, bridge or other improvements. Prior to the FAST Act, this program was known as the Surface Transportation Program.
- **National Highway Performance Program (NHPP)** – The new National Highway Performance Program provides funding for construction and maintenance projects located on the newly expanded National Highway System (NHS) – which includes the entire Interstate system and all other highways classified as principal arterials. Federal share of funded projects is generally 80%, with a 90% share for Interstate routes, though it reverts to 80% if single occupancy vehicle capacity is being added.
- **NHFP** – National Highway Freight Program – This program was created with the FAST Act, and provides funding for projects included in the State Freight Plan.
- **Interstate Maintenance (IM)** – Resurfacing, restoring, and rehabilitating routes on the interstate highway system, but no new capacity except HOV or auxiliary lanes in nonattainment areas. Federal share of funded projects – 90% (80% for added capacity in attainment areas.)
- **Bridge Replacement and Rehabilitation** – Replacement and rehabilitation of any public bridge. Federal share of funded projects – 80%.
- **Transportation Alternative Funds** – A range of projects including pedestrian and bicycle facilities, renovation of historic buildings, and streetscape enhancements. Alternatives program portion of STP program set aside for such projects as sidewalks and bicycle trails. Federal share of funded projects – 80%.
- **Consolidated Planning Grant (CPG) Funds** – All planning activities are eligible (e.g. transportation modeling, air quality analysis, public outreach). Includes money from both FHWA and FTA. Federal participation is 80% unless the Secretary determines that changing this contribution level is warranted.

- **Non-Motorized Transportation Pilot Program (NMTTP)** – Funds disbursed to the City of Columbia as part of the NMTTP authorized by the SAFETEA-LU legislation of 2005 – total of twenty-two (22) million is available to improve the pedestrian and bicycle transportation system. Federal share of funded projects – 100%.

### *City of Columbia*

**Capital Improvements Sales Tax** - Funds generated from the 1/4 Cent Capital Improvement Sales tax issue passed by voters in 2006.

**CDBG** Community Development Block Grant - Federal Entitlement Grant Program (annual) administered by U.S. Department of Housing and Urban Development, 100% grant requires no matching local funds.

**County Rebate Funds** - Funds received by Columbia from Boone County for maintenance/improvement to roads under City jurisdiction after annexations.

**Development fee** - A fee assessed at the time a building permit is issued for new construction, at a rate of \$0.25 per square foot of total floor area. Revenue gained from this is used for construction of collector and arterial streets.

**FTA** Federal Transit Administration Capital Grant - Grant for transit related capital projects. 80% Federal; 20% Local funding.

**Gen Fund/PI** General Fund/Public Improvement - Local funds generated through the sales tax.

**Non - Motorized Transportation Pilot Program** -federal grant received to be used for non-motorized transportation projects (Sidewalks, trails, bicycle paths etc.).

**Tax Bills** - Charges, on a per lineal foot basis, assessed to property owners abutting new roads, or roads undergoing major improvements, for the improvements to their property. Charges based on benefit to property as determined by City Council.

**Transportation Sales Tax** - 1/2 cent sales tax authorized by the voters for transportation purposes.

## APPENDIX D

### *Public Participation*

| The Draft FY 2018-2021 TIP will be formally considered for adoption at the August 24, 2017 CATSO Coordinating Committee meeting after a public hearing. A display advertisement notifying the public of this meeting was placed in the local newspaper (Columbia Tribune) on July 19, 2017. In addition, the agenda and meeting notice was placed on the City's website. The ad gave emphasis to the public hearing aspect of the meeting, including the consideration of the draft FY 2018-2021 TIP.

The CATSO Public Participation Plan, adopted by the CATSO Coordinating Committee on December 4, 2014, may be found at the Daniel Boone Regional Library, 100 West Broadway, Columbia, MO; City of Columbia Community Development Department, 701 East Broadway, Columbia, MO and at the City of Columbia's website:

[http://www.gocolumbiamo.com/community\\_development/planning/boards\\_and\\_commissions/catsso/PPPlan.php](http://www.gocolumbiamo.com/community_development/planning/boards_and_commissions/catsso/PPPlan.php)



**Columbia Area Transportation  
Study Organization  
METROPOLITAN TRANSPORTATION PLANNING PROCESS  
CERTIFICATION**

In accordance with 23 CFR 450.334, the Columbia Area Transportation Study Organization which is the Metropolitan Planning Organization for the Columbia, Missouri Urbanized Area, the Missouri Department of Transportation hereby certifies that the transportation planning process is addressing major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

- I. 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
- II. In non-attainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
- III. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- IV. 49 U.S.C. 5332, prohibiting discrimination on the bases of race, color, creed, national origin, sex, or age in employment or business opportunity;
- V. Section 1101(b) of the FAST Act (Pub. L. 114-94) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- VI. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- VII. The provisions of the Americans with Disabilities Act of 1990(42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- VIII. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial-aid assistance;
- IX. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- X. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

I further certify that I am aware of what this certification represents and have been briefed accordingly.

\_\_\_\_\_  
Signature

Mike Matthes  
Chair  
Columbia Area  
Transportation Study  
Organization

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

David Silvester  
District Engineer  
Missouri Department of  
Transportation

\_\_\_\_\_  
Date