

Columbia Area Transportation Study Organization

REVISED DRAFT – AUGUST 16, 2018

TRANSPORTATION IMPROVEMENT PROGRAM

FY 2019-2022

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 2019-2022 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 2019-2022 document is the planned Program of Projects (POP) for Go COMO (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.

The City of Columbia's public involvement process for transportation capital improvement projects is extensive, and is described at the link below.

<https://www.como.gov/publicworks/public/>

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. 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 eight 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; and Transit. Financial summaries demonstrating fiscal constraint are in the financial summary section.

The TIP project listing, beginning on page 24 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 Appendices.

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 2019), and the current MoDOT FY 2018-2023 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 (NO₂), 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; however, if the revision includes a cost increase, demonstration of fiscal constraint to ensure the LPA project sponsor has the financial capacity to deliver the project is required. 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. Once ensured fiscal constraint has been confirmed, 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 scope, which includes a major cost change (+/-15 percent or +/- \$2,000,000), or a change in project schedule that moves the project to a different year.

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. Once ensured fiscal constraint has been confirmed, the CATSO staff will make the appropriate TIP document amendment to reflect the requested modification.
- c. 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.
- d. Comments will be directed to the CATSO staff. Comments and responses will be documented by means of an addendum to the TIP Appendices.
- e. 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.
- f. If the proposed amendment is approved by the Coordinating Committee, the approved amendment action is forwarded to MoDOT with a request that the STIP be amended to reflect the TIP amendment modification. MoDOT will then forward the STIP amendment request to the Governor for approval, and then to the FHWA Missouri Division and FTA Region VII (ONE DOT) for their approval.
- g. MoDOT and CATSO's receipt of ONE DOT's approval and its formal documentation of the STIP amendment for the TIP modification must occur prior to letting of the project.

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:

<https://www.como.gov/community-development/wp-content/uploads/sites/14/2015/09/CATSO-Public-Participation-Plan-2014.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. CATSO responses to each agency's comments will be provided to the Technical and Coordinating Committees.

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 2019-2022 Transportation Improvement Program. The public comment period began on July 10, 2018, 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 2019-2022 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.

FEDERAL PERFORMANCE MEASURES

In the passage of the Moving Ahead for Progress in the 21st Century Act (MAP-21), and continuing into the FAST Act, Congress established Transportation Performance Management (TPM). FHWA defines TPM as a strategic approach that uses system information to make investment and policy decisions to achieve national performance goals.

Another new requirement is Performance Based Planning and Programming (PBPP) which impacts the TIP and the MTP. PBPP refers to the application of performance management principles within the planning and programming processes of transportation agencies to achieve desired performance outcomes for the multimodal transportation system.

As of mid-2018, CATSO has adopted performance measures in two areas: Safety and Transit.

Safety Targets

At their February 7, 2018 meeting the CATSO Technical Committee reviewed two sets of safety targets developed by staff. The first set of targets mirrored the MoDOT targets. The second set of targets was based on preliminary knowledge of the City's recently adopted Vision Zero Action Plan, with a goal of zero traffic deaths and serious injuries by 2030. However, staff informed the committee that they had recently been made aware of the fact that the City's Vision Zero Team, for which CATSO staff is a part, planned to develop annual Vision Zero goals to eventually be adopted by the Columbia City Council.

Consequently, the committee decided it was best to recommend that CATSO adopt the MoDOT safety targets (based on annual 7% fatality reduction, 4% serious injury reduction, and 4% non-motorized reduction), since they have already been set and they are based on MoDOT's 2016-

2020 Blueprint: A Partnership Towards Zero Death (TZD), which shares the same long-term goals as Columbia’s Vision Zero initiative.

At their February 22, 2018 meeting, the Columbia Area Transportation Study Organization’s Coordinating Committee unanimously voted to adopt the following safety targets for calendar years 2018-2030:

Adopted 2018 CATSO Safety Targets

February 2018

Performance Measure	CATSO 5-year Rolling Average (2012-2016)	CATSO MPA Targets for CY2018¹
Number of Fatalities	12.6	15.12
Fatality Rate per 100 Million VMT ²	1.074	1.24
Number of Serious Injuries	67.4	72.42
Serious Injury Rate per 100 Million VMT	5.775	5.95
Number of Non-Motorized ³ Fatalities and Serious Injuries	9.6	11.24

¹Targets based on 5 year rolling averages and 7% fatality reduction, 4% serious injury reduction, and 4 % non-motorized reduction.

²2018 CATSO VMT estimate of 1,248,011,257

³Non-motorized fatalities and serious injuries are included in the total numbers of fatalities and serious injuries, and are also shown separately to demonstrate the data and targets related specifically to vulnerable road users.

There are a number of projects programmed for safety in this TIP, totaling \$4,091,000 for program years FY 2019-FY 2022, all sponsored by the Central District of MoDOT, to help the CATSO MPA towards achieving these targets.

TRANSIT

Transit is a performance area for which targets must be set. Accordingly, GoCOMO was required to set transit targets for their public transportation assets, including vehicles, facilities, equipment and other infrastructure in 2017.

At their November 1, 2017 meeting, the CATSO Technical Committee reviewed the GoCOMO transit asset management targets. After a staff overview and discussion, the committee unanimously passed a motion to forward the transit targets to the CATSO Coordinating Committee for review and approval at the special November 13, 2017 meeting.

At their November 13, 2017 meeting, the CATSO Coordinating Committee voted to adopt the Go COMO transit targets as proposed. These are listed below.

Assets	Performance Measure	State Targets	Go COMO Targets
Equipment Non-revenue support-service and maintenance vehicles	Percentage of vehicles met or exceeded Useful Life Benchmark	50%	50%
Rolling Stock Revenue vehicles by mode	Percentage of vehicles met or exceeded Useful Life Benchmark	50%	50%
Infrastructure (not applicable in state plan) Only rail fixed-guideway, track, signals and systems	Percentage of track segments w/performance restrictions by class	Not Applicable	Not Applicable
Facilities Maintenance and administrative facilities; and passenger stations (buildings) and parking facilities	Percentage of assets with condition rating below 3.0 on FTA TERM* Scale	25% with condition rating below 3.0 on FTA TERM Scale	25% with condition rating below 3.0 on FTA TERM Scale

Go COMO has its list of fiscally constrained projects and Program of Projects in this document. The transit agency has identified \$587,056 in local funding that may be used as match for federal grant funds for vehicle replacement and other capital projects to help move towards these targets.

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

STATUS OF FY 2018-2021 TIP PROJECTS

Project

Status

MoDOT	
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	Complete
2017-5 (5P3213) US 40 Pavement & Shoulder Improvements	Oct 2017 Letting
2017-12 (5P3183) Various Routes – Guard Cable/Guardrail	Complete
2017-13 (5P3204) Various Routes – Chevron Installation	Complete
2017-16 (5P3217) Various Routes – Work Zone Enforcement	Ongoing
2018-1: (5S3227) Route PP Pavement & Shoulder Improvement	Payment to City 8-1-18
2018-2: (5S3257) Various Routes – Pavement & Shoulder	Nov. 2018 letting
2018-3: (0I3004I) Interstate 70 Pavement Repair	Ongoing
2018-4: (0I3004Z) Interstate 70 Concrete Pavement Repair	Ongoing
2018-5: (5S3218) MO 163 ADA Improvements	Dec. 2018 letting
2018-6: (5P3235) US 63 Pavement Improvements	Nov. 2018 letting
2018-7: (5P3287) US 63 Bridge Improvements	March 2019 letting
2018-8: (5S3249) Route HH Bridge Improvements	January 2020 letting
2018-9: (0P3021F) Various Routes – Safety Projects	Ongoing
2018-10: (0S3021F) Various Routes – ADA Transition Plan	Ongoing
2018-11: (5P3274) Various Routes – Guardrail or Guard Cable	Ongoing
2018-12: (5P3224) Various Routes – Work Zone Enforcement	Ongoing

Boone County	
No projects listed	

City of Columbia- Streets	
2017-17: Ballenger (Route PP) Improvement Project	Final Design
2017-18: Discovery Parkway Extension – Gans to New Haven	Final Design
2017-19: Nifong Widening/Improvement Project	Preliminary Design
2018-16: Forum & Green Meadows Intersection Improvement	Final Design
2018-17: Sinclair-Old Mill Creek-Nifong Intersection Improvement	Final Design

Project**Status**

City of Columbia - Sidewalks	
2015-16: Nifong-Bethel Sidewalk	Complete
2017-20: Ninth & Elm Pedestrian Scramble	Construction 2018
2018-18: Chapel Hill Road at Scott Boulevard	Ongoing
2018-19: Carter Lane Sidewalk	Preliminary Design

Transit - COMO Connect	
2015-18: Maintenance of existing operations & facilities	Ongoing
2018-20: Low Emission No Emission Grant	Rollover
2018-21: Bus Replacement FY 13 Sec. 5339	Rollover
2018-22: Bus & Van Replacement FY 2014-17 Sec. 5339	Rollover
2010-17 Bus Priority System, Traffic Signal Control	Rollover
Transit - OATS, Inc.	
2017-23: Purchase of two lift-equipped vehicles	Grant received, rollover
2017-26: Elderly & Disable & Beyond ADA	Received \$78,000 in funds, rollover
2018-23: Bus and Bus Facilities	Received two vehicles, rollover
2015-22: Funding for general public transportation	Received \$57,000 in funding, rollover
Transit – Alternative Community Training, Inc.	
2017-22: Purchase of four lift-equipped mini-vans	Grant received for one (1), rollover

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

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 2019 through FY 2022

Anticipated Federal Funds	FY 2019	FY 2020	FY 2021	FY 2022	Total
<i>FHWA Revenues</i>					
BRO – Boone County	\$0	\$0	\$0	\$0	\$0
Rail-Highway	\$0	\$0	\$0	\$0	\$0
Non-Motorized Project	\$1,840,000	\$0	\$0	\$0	\$1,840,000
Transportation Alternatives	\$279,896	\$0	\$0	\$0	\$279,896
MoDOT STBG	\$4,558,000	\$2,000	\$0	\$0	\$4,560,000
MoDOT Safety	\$445,700	\$622,000	\$2,178,200	\$0	\$3,245,900
MoDOT NHFP (Freight)	\$55,800	\$135,000	\$2,868,200	\$0	\$3,059,000
MoDOT NHPP	\$10,147,250	\$26,350	\$0	\$0	\$10,173,600
<i>FHWA Sub-Total</i>	\$17,326,646	\$785,350	\$5,046,400	\$0	\$23,158,396
<i>FTA Revenues</i>					
FTA Section 5307 Operating	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$8,000,000
FTA Section 5339 Capital	\$2,929,484	\$0	\$60,000	\$140,000	\$3,129,484
FTA Section 5310	\$175,826	\$214,600	\$219,600	\$224,600	\$834,626
FTA Section 5311	\$55,000	\$58,000	\$60,000	\$60,000	\$233,000
<i>FTA Sub-Total</i>	\$5,160,310	\$2,272,600	\$2,339,600	\$2,424,600	\$12,197,110
<i>Federal Totals</i>	\$22,486,956	\$3,057,950	\$7,386,000	\$2,424,600	\$35,355,506

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 2017, this sales tax was renewed by voters and is authorized through September 2028. 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 \$67,327,569.

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 \$25,110,952.

Revenue estimates in Table 3A were provided by the Boone County Auditor’s office. The revenue estimates in Table 3B were provided by the City of Columbia Finance Department. Tables 3A and 3B provide a summary of local tax revenue sources. For the Boone County ½ cent sales tax and dedicated property tax, an annual inflation factor of 1.5 percent was generally employed. An annual reduction factor of 1 percent was applied 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 2019-2022 budget period.

Table 2A - Boone County Projected Local Revenues 2019 through 2022

Anticipated Local Revenue	2019	2020	2021	2022	Total
Boone County ½ cent sales tax	\$3,894,184	\$3,952,596	\$4,011,885	\$4,072,064	\$15,930,729
Boone County dedicated property tax	\$422,403	\$430,851	\$439,469	\$448,258	\$1,740,981
Boone County gas tax	\$383,040	\$383,040	\$383,040	\$383,040	\$1,532,160
Boone County motor vehicle fees & sales tax	\$143,640	\$143,640	\$143,640	\$143,640	\$574,560
TOTALS	\$4,843,267	\$4,910,128	\$4,978,034	\$5,047,002	\$19,778,431

Table 2B – City of Columbia Projected Local Revenues 2019 through 2022

Anticipated Local Revenue	2019	2020	2021	2022	Total
City of Columbia Boone County Rebate tax	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$8,000,000
City of Columbia ½ cent sales tax	\$11,391,108	\$11,277,197	\$11,164,425	\$11,052,781	\$44,885,511
City of Columbia 1/4 cent sales tax	\$5,695,377	\$5,638,423	\$5,582,039	\$5,526,219	\$22,442,058
Public Imp. Fund (4.1% of 1% General sales tax)	\$976,041	\$966,281	\$956,618	\$947,052	\$3,845,991
Gasoline Tax (City)	\$2,983,251	\$2,983,251	\$2,983,251	\$2,983,251	\$11,933,004
Motor Vehicle Tax (City)	\$1,294,487	\$1,294,487	\$1,294,487	\$1,294,487	\$5,177,948
Public Improvement Fund/Dev. Fees	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$4,800,000
TOTALS	\$25,540,264	\$25,359,639	\$25,180,820	\$25,003,789	\$101,084,511

Table 3 - Summary of Forecasted Federal, State & Local Revenue 2019 Through 2022

Anticipated Revenue Source	2019	2020	2021	2022	Total
Federal	\$22,486,956	\$3,057,950	\$7,386,000	\$2,424,600	\$35,355,506
State (MoDOT)	\$17,024,519	\$7,108,919	\$17,029,869	\$5,291,269	\$46,454,575
Boone County	\$4,843,267	\$4,910,128	\$4,978,034	\$5,047,002	\$19,778,430
City of Columbia	\$25,540,264	\$25,359,639	\$25,180,820	\$25,003,789	\$101,084,511
TOTALS	\$69,895,005	\$40,436,635	\$54,574,722	\$37,766,659	\$202,673,021

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) 2019-2023 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 1.8% annually.

Calculations are \$377,785,000 / 77,571 lane miles.

This makes MoDOT's cost, \$4,870 per lane mile

Assumptions:

Maintenance Operations	\$480,039,000 *
Fleet Investments	<u>\$ 26,451,000 *</u>
Total	\$506,490,000
Minus Maintenance Fringe Benefits	<u>\$128,705,000</u>
Total	\$377,785,000

Lane miles 77,571 **

*Source: FY 2019 Budget approved 6/6/2018

** Source: Official 2017 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*	2019	2020	2021	2022	Total
State System MoDOT	171	\$4,870	\$832,770	\$857,753	\$883,486	\$909,990	\$3,483,999
Boone County	39	\$6,823	\$266,083	\$274,065	\$282,287	\$290,756	\$1,113,192
City of Columbia	150.6	\$9,221	\$1,388,734	\$1,430,396	\$1,473,308	\$1,517,507	\$5,809,944
TOTAL	360.6	—	\$2,487,587	\$2,562,214	\$2,639,081	\$2,718,253	\$10,407,135

* - Base cost per mile for FY 2019 is in CY 2018 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 annual City of Columbia operations and maintenance costs depicted in Table 5 is based on the cost of maintaining the entire roadway network under its jurisdiction, not just the federal-aid miles. Similarly, Table 6 illustrates the cost to Boone County of maintaining all streets under its jurisdiction within the Columbia MPA, not just federal-aid miles.

The City of Columbia maintains 1,342.5 lane miles of roadway, while Boone County maintains 604 lane miles of roadway within the CATSO MPA. The anticipated total street maintenance budget for Columbia for FY 2019 is \$8,977,593 which divided by the roadway miles gives an overall lane mile cost of \$6,687.

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

City of Columbia	2019	2020	2021	2022	Total
Total Estimated Revenue	\$25,540,264	\$25,359,639	\$25,180,820	\$25,003,789	\$101,084,511
Estimated Operations & Maintenance Costs	\$8,977,593	\$9,246,921	\$9,524,328	\$9,810,058	\$37,558,900
Transfers to Go COMO Operations/Maintenance	\$3,070,835	\$5,341,593	\$5,669,297	\$6,017,959	\$20,099,684
Other Transfers to Go COMO for Project Match	\$567,056	\$0	\$0	\$20,000	\$587,056
Funds Available for Capital Projects	\$12,924,780	\$10,771,125	\$9,987,194	\$9,155,772	\$42,838,871
Local Share of TIP Projects with Federal Funds	\$60,300	\$0	\$0	\$0	\$60,300
Funds Available for Additional TIP Projects	\$12,864,480	\$10,771,125	\$9,987,194	\$9,155,772	\$42,778,571
Programmed Street Projects 100% City Funded	\$7,952,986	\$4,417,872	\$5,400,000	\$0	\$17,770,858
Programmed Sidewalk Projects 100% City Funded	\$456,518	\$0	\$0	\$0	\$456,518
Funds Available* for Additional TIP Projects	\$4,454,976	\$6,353,253	\$4,587,194	\$9,155,772	\$24,551,195

* Operations and maintenance for Go COMO will also be taken from funding balance (½ cent TST revenues) as is an annual capital projects amount. Go COMO also has additional funding sources not available for roadway projects. Further funding for capital projects could potentially be available from City of Columbia previous year allocations and reserve funds.

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

Boone County	2019	2020	2021	2022	Total
Total Estimated Revenue (CATSO MPA only)	\$4,843,267	\$4,910,128	\$4,978,034	\$5,046,731	\$19,778,160
Estimated Operations & Maintenance Costs	\$4,121,030	\$4,244,661	\$4,372,001	\$4,503,161	\$17,240,852
Funds Available for Capital Projects	\$722,237	\$665,467	\$606,033	\$543,570	\$2,537,307
Local Share of TIP Projects with Federal Funds	\$0	\$0	\$0	\$0	\$0
Funds Available for Local Projects	\$722,237	\$665,467	\$606,033	\$543,570	\$2,537,307

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.

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

City of Columbia	2019	2020	2021	2022	Total
Estimated Federal, State, Transfers for Go COMO Operations/Maintenance	\$2,032,000	\$2,032,000	\$2,032,000	\$2,032,000	\$8,128,000
City of Columbia 1/2 cent Transportation Sales Tax Revenue Transfers	\$2,800,562	\$2,884,579	\$2,971,116	\$3,060,250	\$11,716,507
Other Local Revenues – Fees, etc.	\$1,525,925	\$1,525,925	\$1,525,925	\$1,525,925	\$6,103,700
CIST & TST Transfers for Capital Projects	\$294,434	\$294,434	\$294,434	\$294,434	\$1,177,736
Other Transfers (Reserves, etc.) as Needed	\$282,273	\$282,273	\$282,273	\$282,273	\$1,129,092
Transfers for Capital Project Match	\$567,056	\$0	\$0	\$20,000	\$587,056
Total Estimated Revenue	\$7,502,250	\$7,019,211	\$7,105,748	\$7,214,882	\$28,842,091
Estimated Operations & Maintenance Costs	\$6,640,760	\$6,779,023	\$6,921,433	\$7,068,116	\$27,409,333
Funds Available for Capital Projects	\$861,490	\$240,188	\$184,315	\$146,765	\$1,432,758
Local Share of TIP Capital Projects	\$567,056	\$0	\$0	\$20,000	\$587,056
Financial Capacity for Funding Additional TIP Projects*	\$294,434	\$240,188	\$184,315	\$126,765	\$845,702

*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 2019-2022 TIP includes a total of \$117,522,609 in capital projects, with \$35,355,506 in federal funds, \$42,342,500 in state funds, and \$39,824,603 in local funding applied to those projects. Total anticipated revenue available for transportation purposes over the four-year TIP period is approximately \$35,355,506 in federal dollars, \$46,454,575 in state funds and \$120,862,940 in local funds. This is a total of \$202,673,021.

Depending upon future federal legislation, additional funds for Transportation Alternatives and other programs might be anticipated in the out years of the TIP period. It should be noted that \$4,197,110 of the estimated federal funding shown is FTA capital and other non-operating transit funding, e.g. Section 5339. The receipt of these categories of funding is competitive and not assured. Applications for this funding must be submitted on an annual basis and due to the funding limitations grant awards may not be realized.

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 \$5,809,944 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 \$19,281,333 in local (City of Columbia 1/2 cent transportation sales tax and other) funds, \$128,000 in state (MoDOT transit operating) funds, and \$8,000,000 in Federal (FTA Section 5307) funds are projected to be programmed for transit O & M. This is a total of \$27,409,333. 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 \$1,113,192 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 \$3,483,999 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 \$11,771,718. 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 (the non-federal-aid mileage), or Columbia Regional Airport maintenance and operation costs, which are covered by the same City of Columbia sources of revenue utilized for surface transportation.

Combined with programmed capital projects, a total of \$129,194,327 in costs is anticipated. The anticipated revenue of \$202,673,021 is adequate to fund those projected costs. Additional projected revenue not shown as programmed in the FY 2019-2022 TIP is dedicated to other transportation responsibilities of the City of Columbia and Boone County, a 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				
						2019	2020	2021	2022	TOTALS
Project	Interstate 70 - Bridge Improvements	ENG	Federal	\$55,800	\$135,000	\$426,600				\$617,400
MoDOT #	5I3366		State	\$6,200	\$15,000	\$47,400				\$68,600
TIP #	2019-1		Local							
Description:	Bridge improvements over Perche Creek. Project involves bridges A0095 and G0519.		State (AC)							
		ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal			\$2,441,600				\$2,441,600
Federal Funding Category	NHFP		State			\$270,400				\$270,400
MoDOT Funding Category	Taking Care of System		Local							
Work or Fund Category	ENG/CON		Other							
Total Project Cost	\$3,398,000		State (AC)							
Total Project Cost includes prior programming of \$0.			TOTAL	\$62,000	\$150,000	\$3,186,000	\$0			\$3,398,000

County: Boone		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Route PP - Pavement and Shoulder Improvements	ENG	Federal							
MoDOT #	5S3227		State	\$1,000						\$1,000
TIP #	2018-1		Local							
Description:	Payment to City of Columbia for pavement and shoulder improvements from Mexico Gravel Road to Clark Lane		State (AC)							
		ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency		CON	Federal							
Federal Funding Category			State	\$1,800,000						\$1,800,000
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/CON		Other							
Total Project Cost	\$1,801,000		State (AC)							
Total Project Cost includes prior programming of \$0.			TOTAL	\$1,801,000	\$0	\$0	\$0	\$0		\$1,801,000

MoDOT Roadway, Payment & Construction Projects

County: Boone		MoDOT		Funding		State Fiscal Year					
						2019	2020	2021	2022	TOTALS	
Project	Various Routes - Pavement and Shoulder Improvements, Boone & Callaway Counties	ENG	Federal	\$878,000						\$878,000	
MoDOT #	5S3257		State	\$219,000						\$219,000	
TIP #	2018-2		Local								
Description:	Includes pavement and shoulder improvements on Route 163 from Route K to Route H	ROW	State (AC)								
			Federal								
			State								
			Local								
Federal Source Agency	FHWA	CON	State (AC)								
Federal Funding Category	STBG		Federal	\$3,678,000						\$3,678,000	
MoDOT Funding Category	Taking Care of the System		State	\$919,000						\$919,000	
Work or Fund Category	ENG/ROW/CON		Local								
Total Project Cost	\$5,748,000		Other								
Total Project Cost includes prior programming of \$54,000.			State (AC)								
				TOTAL	\$5,694,000	\$0	\$0	\$0		\$5,694,000	

County: Boone		MoDOT		Funding		State Fiscal Year					
						2019	2020	2021	2022	TOTALS	
Project	Outer Roadway I-70 Bridge Improvements	ENG	Federal								
MoDOT #	5S3253		State	\$4,800	\$7,700	\$14,000				\$26,500	
TIP #	2018-13		Local								
Description:	Bridge Improvements over Little Cedar Creek. Project involves bridge N0974.	ROW	State (AC)	\$15,200	\$24,300	\$44,000				\$83,500	
			Federal								
			State		\$2,400						\$2,400
			Local								
Federal Source Agency	FHWA	CON	State (AC)		\$7,600					\$7,600	
Federal Funding Category	STBG		Federal								
MoDOT Funding Category	Taking Care of the System		State			\$180,100				\$180,100	
Work or Fund Category	ENG/CON		Local								
Total Project Cost	\$1,093,000		Other								
Total Project Cost includes prior programming of \$50,000.			State (AC)			\$742,900				\$742,900	
				TOTAL	\$20,000	\$42,000	\$981,000	\$0		\$1,043,000	

MoDOT Roadway, Payment & Construction Projects

County: Boone		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	MO 740 Pavement Improvements	ENG	Federal							
MoDOT #	5S3318		State	\$5,000	\$20,000	\$68,000				\$93,000
TIP #	2019-2		Local							
Description:	MO 740 Pavement Improvements from I-70 to Route 63.	ROW	State (AC)	\$20,000	\$80,000	\$272,000				\$372,000
Federal Source Agency	FHWA		Federal							
Federal Funding Category	STBG		State			\$748,000				\$748,000
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/CON	CON	Other							
Total Project Cost	\$4,203,000		State (AC)			\$2,990,000				\$2,990,000
Total Project Cost includes prior programming of \$0.			TOTAL	\$25,000	\$100,000	\$4,078,000	\$0			\$4,203,000

County: Boone		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	MO 163 - ADA Improvements	ENG	Federal	\$201,000						\$201,000
MoDOT #	5S3218		State	\$51,000						\$51,000
TIP #	2018-5		Local							
Description:	ADA improvements at various locations from Vandiver Drive to Route K. Includes \$759,000 from Statewide Transportation Alternative funds.	ROW	State (AC)							
Federal Source Agency	FHWA		Federal	\$12,000						\$12,000
Federal Funding Category	NHPP		State	\$3,000						\$3,000
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/ROW/CON	CON	State (AC)							
Total Project Cost	\$1,634,000		Federal	\$1,087,000						\$1,087,000
Total Project Cost includes prior programming of \$10,000.			State	\$270,000						\$270,000
			Local							
			Other							
			State (AC)							
			TOTAL	\$1,624,000	\$0	\$0	\$0	\$0		\$1,624,000

MoDOT Roadway, Payment & Construction Projects

County: Boone		MoDOT		Funding		State Fiscal Year			
						2019	2020	2021	2022
Project	US 63 - Pavement Improvements	ENG	Federal	\$382,400					\$382,400
MoDOT #	5P3235		State	\$95,600					\$95,600
TIP #	2018-6		Local						
Description:	Pavement improvements on the NB and SB lanes from Route 22 to Route 763 in Columbia.	ROW	State (AC)						
			Federal						
			State						
			Local						
Federal Source Agency	FHWA	CON	Other						
Federal Funding Category	NHPP		Federal	\$4,691,200				\$4,691,200	
MoDOT Funding Category	Taking Care of the System		State	\$1,172,800				\$1,172,800	
Work or Fund Category	ENG/CON		Local						
Total Project Cost	\$6,354,000		Other						
Total Project Cost includes prior programming of \$12,000.			State (AC)						
			TOTAL	\$6,342,000	\$0	\$0	\$0	\$6,342,000	

County: Boone		MoDOT		Funding		State Fiscal Year			
						2019	2020	2021	2022
Project	US 63 - Bridge Improvements	ENG	Federal	\$453,000					\$453,000
MoDOT #	5P3287		State	\$113,000					\$113,000
TIP #	2018-7		Local						
Description:	Bridge improvements from Route AC to 2.9 miles of Route 54 in Callaway County. Includes total of seven bridges.	ROW	State (AC)						
			Federal						
			State						
			Local						
Federal Source Agency	FHWA	CON	Other						
Federal Funding Category	NHPP		Federal	\$3,222,000				\$3,222,000	
MoDOT Funding Category	Taking Care of the System		State	\$806,000				\$806,000	
Work or Fund Category	ENG/CON		Local						
Total Project Cost	\$4,624,000		Other						
Total Project Cost includes prior programming of \$30,000.			State (AC)						
			TOTAL	\$4,594,000	\$0	\$0	\$0	\$4,594,000	

MoDOT Roadway, Payment & Construction Projects

County: Boone		MoDOT		State Fiscal Year					
		Funding		2019	2020	2021	2022	TOTALS	
Project	Route HH - Bridge improvements	ENG	Federal						
MoDOT #	5S3249		State	\$4,000	\$18,600			\$22,600	
TIP #	2018-8		Local						
Description:	Bridge improvements over Hinkson Creek. Project involves bridge N0852.	ROW	State (AC)	\$16,000	\$74,400			\$90,400	
Federal Source Agency			FHWA	Federal					
Federal Funding Category			STBG	State		\$114,400			\$114,400
MoDOT Funding Category			Taking Care of the System	Local					
Work or Fund Category	ENG/CON	CON	Other						
Total Project Cost	\$693,000		State (AC)		\$455,600			\$455,600	
Total Project Cost includes prior programming of \$10,000.			TOTAL	\$20,000	\$663,000	\$0	\$0	\$683,000	

MoDOT Roadway, Payment & Construction Projects

County: Boone		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Various	ENG	Federal				\$900			\$900
			State				\$100			\$100
MoDOT #	5P3313		Local							
TIP #	2019-3		State (AC)							
Description:	On-call work zone enforcement at various locations in the Central District.	ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	PAY	Federal				\$31,100			\$31,100
Federal Funding Category	Safety		State				\$3,900			\$3,900
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/PAY		Other							
Total Project Cost	\$36,000		State (AC)							
Total Project Cost includes prior programming of \$0.			TOTAL			\$0	\$36,000	\$0	\$0	\$36,000

MoDOT Roadway, Payment & Construction Projects

County: Howard		MoDOT		Funding				
				State Fiscal Year				
				2019	2020	2021	2022	TOTALS
Project	Various Safe & Sound Bridges	ENG	Federal					
MoDOT #	5B0800T		State					
TIP #	2019-4		Local					
Description:	Payback beginning in State FY 2018 for Safe and Sound Bridges in the Central District.		State (AC)					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FHWA	PAY	Federal					
Federal Funding Category			State	\$4,399,000	\$4,399,000	\$4,399,000	\$4,399,000	\$17,596,000
MoDOT Funding Category	Taking Care of System		Local					
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$58,096,000		State (AC)					
Total Project Cost includes prior programming of \$36,101,000. Total Project Cost also includes \$4,399,000 shown in the 5th year of the STIP (FY 2023), which is beyond scope of TIP.			TOTAL	\$4,399,000	\$4,399,000	\$4,399,000	\$4,399,000	\$17,596,000

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		Funding				
				State Fiscal Year				
				2019	2020	2021	2022	TOTALS
Project	I-70 Drive SE/Keene Street (OR 70)	ENG	Federal					
MoDOT #	5S3304		State	\$800				\$800
TIP #	2018-24		Local					
Description:	Payment to City of Columbia for roundabout construction at Keene Street and I-70 Drive SE	ROW	State (AC)	\$7,200				\$7,200
Federal Source Agency	FHWA		Federal					
Federal Funding Category	Safety		State					
MoDOT Funding Category			Local					
Work or Fund Category	ENG/CON/FFOS	PAY	Other					
Total Project Cost	\$326,000		State (AC)	\$283,800				\$283,800
Total Project Cost includes prior programming of \$2,000.			TOTAL	\$324,000	\$0	\$0	\$0	\$324,000

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Various Routes - ADA Transition Plan Improvements	ENG	Federal					\$71,200		\$71,200
MoDOT #	0S3021F		State					\$17,800		\$17,800
TIP #	2018-10		Local							
Description:	ADA Transition Plan improvements at various locations in the Central District. \$1,268,000 from Statewide Transportation Alternative funds.	ROW	State (AC)							
			Federal							
			State							
			Local							
Federal Source Agency	FHWA	CON	Other							
Federal Funding Category	Safety		Federal				\$1,076,000		\$1,076,000	
MoDOT Funding Category	Safety		State				\$269,000		\$269,000	
Work or Fund Category	ENG/CON/FFOS		Local							
Total Project Cost	\$1,434,000		State (AC)							
Total Project Cost includes prior programming of \$0.			TOTAL			\$0	\$0	\$1,434,000	\$0	\$1,434,000

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	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 routes in the northern part of the Central District	ROW	State (AC)			\$30,400				\$30,400
			Federal							
			State							
			Local							
Federal Source Agency	FHWA	CON	Other							
Federal Funding Category	STBG		Federal							
MoDOT Funding Category	Taking Care of the System		State			\$101,500			\$101,500	
Work or Fund Category	ENG/CON		Local							
Total Project Cost	\$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				
						2019	2020	2021	2022	TOTALS
Project	Route K	ENG	Federal	\$2,700	\$10,800					\$13,500
MoDOT #	5S3360		State	\$300	\$1,200					\$1,500
TIP #	2019-5		Local							
Description:	Payment for roundabout construction at Sinclair Road and Old Plank Road		State (AC)							
		ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	PAYMENT	Federal		\$547,200					\$547,200
Federal Funding Category	Safety		State		\$60,800					\$60,800
MoDOT Funding Category	Safety		Local							
Work or Fund Category	PAYMENTS		Other							
Total Project Cost	\$623,000		State (AC)							
Total Project Cost includes prior programming of \$0.										
				TOTAL	\$3,000	\$620,000	\$0	\$0		\$623,000

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Interstate 70	ENG	Federal							
MoDOT #	013005I		State	\$2,000						\$2,000
TIP #	2019-6		Local							
Description:	Job Order Contracting for Pavement Improvements in Various Counties including Boone		State (AC)	\$21,000						\$21,000
		ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal							
Federal Funding Category	NHPP		State	\$21,000						\$21,000
MoDOT Funding Category	Statewide Interstate and Major Bridge		Local							
Work or Fund Category	ENG/CON		Other							
Total Project Cost	\$273,000		State (AC)	\$229,000						\$229,000
Total Project Cost includes prior programming of \$0.										
				TOTAL	\$273,000	\$0	\$0	\$0		\$273,000

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		Funding		State Fiscal Year			
						2019	2020	2021	2022
Project	Various Routes	ENG	Federal	\$54,000					\$54,000
MoDOT #	5I3303		State	\$6,000					\$6,000
TIP #	2018-25		Local						
Description:	Safety improvements for wrong way countermeasures at various ramp locations	ROW	State (AC)						
			Federal						
			State						
			Local						
Federal Source Agency	FHWA	CON	Other						
Federal Funding Category	Safety		Federal	\$389,000				\$389,000	
MoDOT Funding Category	Taking Care of the System		State	\$43,000				\$43,000	
Work or Fund Category	ENG/CON		Local						
Total Project Cost	\$492,000		Other						
Total Project Cost includes prior programming of \$0.			State (AC)					\$0	
				TOTAL	\$492,000	\$0	\$0	\$0	\$492,000

County: Various		MoDOT		Funding		State Fiscal Year			
						2019	2020	2021	2022
Project	Various Locations & Routes	ENG	Federal						
MoDOT #	5S3319		State	\$20,000	\$34,800	\$176,200			\$231,000
TIP #	2019-7		Local						
Description:	Pavement Improvement, including Route O, I-70 to Grocery Branch Road, Route UU from I-70 to Route O	ROW	State (AC)	\$80,000	\$139,200	\$704,800			\$924,000
			Federal						
			State		\$1,000				\$1,000
			Local						
Federal Source Agency	FHWA	CON	Other						
Federal Funding Category	STBG		Federal						
MoDOT Funding Category	Taking Care of the System		State			\$1,015,800		\$1,015,800	
Work or Fund Category	ENG/CON		Local						
Total Project Cost	\$6,235,000		Other						
Total Project Cost includes prior programming of \$0.			State (AC)			\$4,063,200		\$4,063,200	
				TOTAL	\$100,000	\$175,000	\$5,960,000	\$0	\$6,235,000

MoDOT Roadway, Payment & Construction Projects

County: Boone		MoDOT		Funding		MPO Fiscal Year			
						2019	2020	2021	2022
Project	Various Routes - Work Zone Enforcement	ENG	Federal		\$900				\$900
MoDOT #	5P3224		State		\$100				\$100
TIP #	2018-12		Local						
Description:	On-call work zone enforcement at various locations in the Central District	ROW	State (AC)						
			Federal						
			State						
			Local						
Federal Source Agency	FHWA	PAYMENT	Federal		\$31,100				\$31,100
			State		\$3,900				\$3,900
Federal Funding Category	Safety		Local						
MoDOT Funding Category	Safety		State (AC)						
Work or Fund Category	ENG/Payments								
Total Project Cost	\$36,000								
Total Project Cost (state portion) includes prior programming of \$0.			TOTAL	\$0	\$36,000	\$0	\$0		\$36,000

County: Boone		MoDOT		Funding		State Fiscal Year			
						2019	2020	2021	2022
Project	Interstate 70 - Concrete Pavement Repair	ENG	Federal						
MoDOT #	0I3005Z		State	\$2,300					\$2,300
TIP #	2019-8		Local						
Description:	Job Order Contracting for concrete pavement repair in Cooper, Boone, and Callaway Counties	ROW	State (AC)	\$20,700					\$20,700
			Federal						
			State						
			Local						
Federal Source Agency	FHWA	CON	Federal						
			State	\$25,500					\$25,500
Federal Funding Category	Taking Care of System		Local						
MoDOT Funding Category	ENG/CON		Other						
Work or Fund Category	ENG/CON		State (AC)	\$224,500					\$224,500
Total Project Cost									
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				
						2019	2020	2021	2022	TOTALS
Project	MO 763 Sidewalk Upgrade	ENG	Federal							
MoDOT #	5S3159		State	\$70,000						\$70,000
TIP #	2017-2		Local							
Description:	Upgrade sidewalk for ADA Transition Plan from BL 70 to Route 740	ROW	State (AC)	\$280,000						\$280,000
Federal Source Agency	FHWA		Federal							
Federal Funding Category			State	\$269,000						\$269,000
MoDOT Funding Category	Taking Care of System		Local							
Work or Fund Category	ENG/CON	CON	Other							
Total Project Cost			State (AC)	\$1,078,000						\$1,078,000
Total Project Cost includes prior programming of \$75,000.										
			TOTAL	\$1,697,000	\$0	\$0	\$0	\$0	\$1,697,000	

County: Boone		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	MO 763 Pavement Resurfacing	ENG	Federal							
MoDOT #	53159B		State	\$11,200						\$11,200
TIP #	2019-10		Local							
Description:	MO 763 Pavement Resurfacing, BL 70 to Route 740	ROW	State (AC)	\$44,800						\$44,800
Federal Source Agency	FHWA		Federal							
Federal Funding Category			State	\$139,800						\$139,800
MoDOT Funding Category	Taking Care of System		Local							
Work or Fund Category	ENG/CON	CON	Other							
Total Project Cost			State (AC)	\$561,200						\$561,200
Total Project Cost includes prior programming of \$0.										
			TOTAL	\$757,000	\$0	\$0	\$0	\$0	\$757,000	

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		State Fiscal Year				
		Funding		2019	2020	2021	2022	TOTALS
Project	Various Counties & Locations in Central District Safety Improvements	ENG	Federal					
MoDOT #			0X3121F	State				
TIP #	2019-9		Local					
Description:	Curve Improvements at Various Locations in Central District		State (AC)					
		ROW	Federal					
			State					
			Local					
	Other							
Federal Source Agency	FHWA	CON	Federal			\$1,031,000		\$1,031,000
Federal Funding Category	Safety		State			\$115,000		\$115,000
MoDOT Funding Category	State		Local					
Work or Fund Category	ENG		Other					
Total Project Cost			State (AC)					
Total Project Cost includes prior programming of \$0.			TOTAL	\$0	\$0	\$1,146,000	\$0	\$1,146,000

MoDOT Roadway, Payment & Construction Projects

MoDOT Financial Summary					
Source	2019	2020	2021	2022	TOTALS
Federal	\$15,106,100	\$757,000	\$5,046,400	\$0	\$20,909,500
State	\$10,621,600	\$4,682,900	\$7,320,700	\$4,399,000	\$27,024,200
Local	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
State (AC)	\$3,320,300	\$781,100	\$8,816,900	\$0	\$12,918,300
Total	\$29,048,000	\$6,221,000	\$21,184,000	\$4,399,000	\$60,852,000

MoDOT Scoping Projects

County: Boone		MoDOT		Funding		State Fiscal Year					
						2019	2020	2021	2022	TOTALS	
Project	RP IS 70W to LP 70W - Bridge Improvements	ENG	Federal	\$90,000	\$22,000					\$112,000	
MoDOT #	5I3107		State	\$10,000	\$3,000					\$13,000	
TIP #	2016-10		Local								
Description:	Scoping for bridge improvements over I-70 in Columbia. Project involves bridge L0928.		State (AC)								
		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 \$30,000.											
				TOTAL	\$100,000	\$25,000	\$0	\$0		\$125,000	

County: Boone		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	MO 740 - Corridor Extension	ENG	Federal	\$1,000	\$1,000					\$2,000
MoDOT #	5S0636		State							
TIP #	2010-20		Local							
Description:	Scoping for extension of corridor from Rte. 63 to I-70 at Lake of the Woods in Columbia.		State (AC)							
		ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal							
Federal Funding Category	STBG		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 \$1,608,000.										
				TOTAL	\$1,000	\$1,000	\$0	\$0		\$2,000

MoDOT Scoping Projects

County: Boone		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Interstate 70 - Drainage Improvements	ENG	Federal	\$8,650	\$4,350					\$13,000
MoDOT #	5I3136		State	\$1,350	\$650					\$2,000
TIP #	2018-14		Local							
Description:	Scoping for replacement of median drainage culverts in Cooper, Boone, & Callaway Counties		State (AC)							
		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 \$391,000.				TOTAL	\$10,000	\$5,000	\$0	\$0		\$15,000

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Various	ENG	Federal							
MoDOT #	5S3374		State	\$100,000						\$100,000
TIP #	2019-11		Local							
Description:	Traffic Studies at various locations in the Central District		State (AC)							
		ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	NA	CON	Federal							
Federal Funding Category	NA		State							
MoDOT Funding Category			Local							
Work or Fund Category	ENG		Other							
Future Project Cost	\$0		State (AC)							
Total Project Cost includes prior programming of \$0.				TOTAL	\$100,000	\$0	\$0	\$0	\$0	\$100,000

MoDOT Scoping Projects

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Various	ENG	Federal							\$0
MoDOT #	5P3314		State	\$1,000	\$29,000					\$30,000
TIP #	2019-12		Local							
Description:	Surveying to sell excess right of way parcels in the Central District.	ROW	State (AC)							
Federal Source Agency	NA		Federal							
Federal Funding Category	NA		State							
MoDOT Funding Category			Local							
Work or Fund Category	ENG	CON	Other							
Future Project Cost	\$0		State (AC)							
Total Project Cost includes prior programming of \$0.				TOTAL	\$1,000	\$29,000	\$0	\$0	\$0	\$30,000

MoDOT Scoping Projects

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Various	ENG	Federal							
MoDOT #	5S3369		State	\$62,000	\$124,000					\$186,000
TIP #	2019-13		Local							
Description:	Scoping to upgrade pedestrian facilities to comply with the ADA Transition Plan at various locations in the Central District. Potential Design/Build project.		State (AC)	\$247,000	\$496,000					\$743,000
Federal Source Agency	FHWA	ROW	Federal							
Federal Funding Category	STBG		State							
MoDOT Funding Category			Local							
Work or Fund Category	ENG		Other							
Future Project Cost	\$5.001M to \$10.0M		CON	Federal						
Total Project Cost includes prior programming of \$0.			State							
			Local							
			Other							
			State (AC)							
			TOTAL	\$309,000	\$620,000	\$0	\$0			\$929,000

MoDOT Scoping Projects

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Various	ENG	Federal	\$1,000	\$1,000					\$2,000
MoDOT #	5S3081		State							
TIP #	2015-9		Local							
Description:	Scoping for slide repairs in the northern portion of the Central District		State (AC)							
		ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal							
Federal Funding Category	STBG		State							
MoDOT Funding Category			Local							
Work or Fund Category	ENG		Other							
Future Project Cost	\$2.001M to \$5.0M		State (AC)							
Total Project Cost includes prior programming of \$65,000.										
				TOTAL	\$1,000	\$1,000	\$0	\$0		\$2,000

MoDOT Scoping Projects

County: Various		MoDOT		Funding	State Fiscal Year					
					2019	2020	2021	2022	TOTALS	
Project	Various - Surveying for Excess Right of Way		ENG	Federal						
MoDOT #	5P3179			State	\$30,000				\$30,000	
TIP #	2018-15			Local						
Description:	Surveying to sell excess right of way parcels in the Central District		ROW	State (AC)						
Federal Source Agency				NA		Federal				
Federal Funding Category				State		State				
MoDOT Funding Category				Taking Care of the System		Local				
Work or Fund Category	ENG		CON	Other						
Future Project Cost	NA			State (AC)						
Total Project Cost includes prior programming of \$75,000.				TOTAL	\$30,000	\$0	\$0	\$0	\$30,000	

MoDOT Scoping Projects

County: Various		MoDOT		Funding		State Fiscal Year				
						2019	2020	2021	2022	TOTALS
Project	Route TT			ENG	Federal					
MoDOT #	5S3335				State	\$2,000	\$20,000			\$22,000
TIP #	2019-14				Local					
Description:				ROW	State (AC)	\$8,000	\$80,000			\$88,000
Federal Source Agency	FHWA				Federal					
Federal Funding Category	STBG				State					
MoDOT Funding Category					Local					
Work or Fund Category	ENG			CON	Other					
Future Project Cost	\$301,000 to \$1.000M				State (AC)					
					TOTAL	\$10,000	\$100,000	\$0	\$0	\$110,000

MoDOT Scoping Projects

MoDOT Scoping Financial Summary					
Source	2019	2020	2021	2022	TOTALS
Federal	\$100,650	\$28,350	\$0	\$0	\$129,000
State	\$206,350	\$176,650	\$0	\$0	\$383,000
Local	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
State (AC)	\$255,000	\$576,000	\$0	\$0	\$831,000
Total	\$562,000	\$781,000	\$0	\$0	\$1,343,000

Boone County Road Projects

Boone County		Funding	MPO Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project		ENG	Federal					
MoDOT #			State					
TIP #			Local					
Description:			Other					
		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			TOTAL	\$0	\$0	\$0	\$0	\$ -

Boone County Financial Summary							
Agency	Source	2019	2020	2021	2022	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				TOTALS	
			2019	2020	2021	2022		
Project	Ballenger (Route PP) Improvement Project	ENG	Federal					
MoDOT #	2017-17		MoDOT					
TIP #			Local	\$269,000			\$269,000	
Description:	Addition of shoulders to section of roadway between Ria and Mexico Gravel Road		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	Other							
Total Project Cost	\$2,690,000	CON	Federal					
Local Funding - capital improvement sales tax 2015 ballot issue, county rd tax rebate.			MoDOT					
			Local	\$2,421,000			\$2,421,000	
			Other					
			TOTAL	\$2,690,000	\$0	\$0	\$0	\$2,690,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Forum & Green Meadows Road Intersection Improvement	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2018-16		Local	\$74,500			\$74,500	
Description:	Construction of roundabout at the current 4-way stop intersection of minor arterial and major collector streets		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	Other							
Total Project Cost	\$745,000	CON	Federal					
Local Funding - 1/4 cent capital improvements sales tax			MoDOT					
			Local	\$670,500			\$670,500	
			Other					
			TOTAL	\$745,000	\$0	\$0	\$0	\$745,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Sinclair - Old Mill Creek - Nifong Intersections Improvement	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2018-17		Local	\$314,000				\$314,000
Description:	Reconstruction of intersections of major arterial and collector streets with construction of roundabout		Other					
Federal Source Agency	NA	CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local	\$2,826,000				\$2,826,000
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$3,140,000							
Local Funding - transportation sales tax								
			TOTAL	\$3,140,000	\$0	\$0	\$0	\$3,140,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Sinclair - Route K Intersection Improvement	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2019-15		Local		\$120,000		\$120,000	
Description:	Construction of roundabout at intersection of minor arterial and major collector streets		Other					
Federal Source Agency	NA	ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$1,200,000	CON	Federal					
Local funding - capital improvement sales tax, miscellaneous revenues, MoDOT funding - Cost Share			MoDOT		\$600,000		\$600,000	
			Local		\$480,000		\$480,000	
			Other					
			TOTAL	\$0	\$1,200,000	\$0	\$0	\$1,200,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Discovery Parkway Extension: Gans to New Haven/Rolling	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2017-18		Local			\$540,000	\$540,000	
Description:	Extension of Discovery Parkway to Rolling Hills Road		Other					
		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. NOTE - additional \$4,860,000 needed for project implementation			TOTAL	\$0	\$0	\$5,400,000	\$0	\$5,400,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Keene Street - I-70 Drive SE Intersection Improvement	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2019-16		Local	\$90,000			\$90,000	
Description:	Construction of roundabout at intersection of two major collector streets		Other					
		ROW	Federal					
			MoDOT					
			Local	\$45,000			\$45,000	
			Other					
Federal Source Agency	NA	CON	Federal					
Federal Funding Category			MoDOT	\$450,000			\$450,000	
MoDOT Funding Category			Local	\$315,000			\$315,000	
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$900,000							
Local funding - capital improvement sales tax, miscellaneous revenues, MoDOT funding - Cost Share			TOTAL	\$900,000	\$0	\$0	\$0	\$900,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Vandiver Drive & Parker Street Intersection Improvement	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2019-17		Local	\$90,000			\$90,000	
Description:	Construction of roundabout at intersection of minor arterial and neighborhood collector streets		Other					
		ROW	Federal					
			MoDOT					
			Local	\$45,000			\$45,000	
			Other					
Federal Source Agency	NA	CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local	\$765,000			\$765,000	
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$900,000							
Local funding - capital improvement sales tax, miscellaneous revenues			TOTAL	\$900,000	\$0	\$0	\$0	\$900,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Nifong Widening/Improvement Project	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2017-19		Local	\$688,993			\$688,993	
Description:	Reconstruction of Nifong Boulevard between Providence Road (Route 163) and Forum Boulevard		Other					
		ROW	Federal					
			MoDOT					
			Local	\$688,993			\$688,993	
			Other					
Federal Source Agency	FHWA	CON	Federal					
Federal Funding Category	STP		MoDOT					
MoDOT Funding Category			Local		\$3,217,872		\$3,217,872	
Work or Fund Category	CON		Other					
Total Project Cost	\$13,779,857							
Local funding - sale taxes, development fees, Boone County road tax rebate. Additional funding of \$9,130,000 needed.			TOTAL	\$1,377,986	\$3,217,872	\$0	\$0	\$4,595,858

City of Columbia-Streets Financial Summary							
Agency	Source	2019	2020	2021	2022	TOTALS	
City of Columbia	Federal	\$0	\$0	\$0	\$0	\$0	
	MoDOT	\$450,000	\$600,000	\$0	\$0	\$1,050,000	
	Local	\$9,302,986	\$3,817,872	\$5,400,000	\$0	\$18,520,858	
	Other	\$0	\$0	\$0	\$0	\$0	
Total		\$9,752,986	\$4,417,872	\$5,400,000	\$0	\$19,570,858	

City of Columbia Sidewalk Projects

City of Columbia - Sidewalks		Funding		Fiscal Year				TOTALS
				2019	2020	2021	2022	
Project	Sinclair Road Sidewalk	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2019-18		Local	\$30,000				\$30,000
Description:	Construction of sidewalk along the east side of Sinclair road between Nifong and Southampton		Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local		\$270,000			\$270,000
Work or Fund Category	ENG/CON		Other					
Total Project Cost								
Local funding - Capital Improvement Sales Tax			TOTAL	\$30,000	\$270,000	\$0	\$0	\$300,000

City of Columbia - Sidewalks		Funding		Fiscal Year				
				2019	2020	2021	2022	TOTALS
Project	Carter Lane Sidewalk	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2018-19		Local					
Description:	Construction of new sidewalk from current sidewalk terminus north to Foxfire Drive		Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$279,896				\$279,896
Federal Funding Category	TAP		MoDOT					
MoDOT Funding Category			Local	\$60,300				\$60,300
Work or Fund Category	CON		Other					
Total Project Cost	\$340,196							
Local funding - Capital Improvement Sales Tax, federal funding from Transportation Alternatives Program (TAP)			TOTAL	\$340,196	\$0	\$0	\$0	\$340,196

City of Columbia - Sidewalks		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Lynn Street/Oak Street Sidewalk	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2019-19		Local	\$21,300			\$21,300	
Description:	Construction of new sidewalk along two local residential streets		Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local	\$191,700			\$191,700	
Work or Fund Category	CON		Other					
Total Project Cost	\$213,000							
Local funding - 1/4 capital improvements sales tax, CDBG			TOTAL	\$213,000	\$0	\$0	\$0	\$213,000

City of Columbia - Sidewalks Financial Summary						
Agency	Source	2019	2020	2021	2022	TOTALS
City of Columbia	Federal	\$279,896	\$0	\$0	\$0	\$279,896
	MoDOT					\$0
	Local	\$303,300	\$270,000	\$0	\$0	\$573,300
	Other					\$0
Total		\$583,196	\$270,000	\$0	\$0	\$853,196

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

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Shepard Boulevard to Rollins Street Trail Connection	ENG	Federal					
Federal #	CPP-9999 (523)		MoDOT					
TIP #	2013-23		Local					
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		Other					
		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			TOTAL	\$1,840,000	\$0	\$0	\$0	\$1,840,000

GetAboutColumbia Financial Summary						
Agency	Source	2019	2020	2021	2022	TOTALS
City of Columbia	Federal	\$1,840,000	\$0	\$0	\$0	\$1,840,000
Non-Motorized Pilot Program	MoDOT	\$0	\$0	\$0	\$0	\$0
	Local	\$0	\$0	\$0	\$0	\$0
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$1,840,000	\$0	\$0	\$0	\$1,840,000

Railroad/Highway Projects

City of Columbia - Railroad/Highway		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project		ENG	Federal					
Federal Project #			MoDOT					
TIP #			Local					
Description:			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			TOTAL	\$0	\$0	\$0	\$0	\$ -

Railroad/Highway Financial Summary						
Agency	Source	2019	2020	2021	2022	TOTALS
City of Columbia	Federal	\$0				\$0
	MoDOT	\$0				\$0
	Local	\$0				\$0
	Other	\$0				\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0

Transit Projects

Go COMO		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Maintenance of existing operations and facilities & equipment	ENG	Federal					
State #			State					
TIP #	2019-20		Local					
Description:	FY 2019-2022 operating assistance FTA Section 5307 and local revenues		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$8,000,000
Federal Funding Category	Section 5307		State	\$32,000	\$32,000	\$32,000	\$32,000	\$128,000
State Funding Category	STF		Local	\$4,608,760	\$4,747,023	\$4,889,433	\$5,036,116	\$19,281,333
Work or Fund Category			Other					
Total Project Cost	\$27,409,333							
Local Funding - 1/2 cent transportation sales tax, State funding - State Transportation Fund			TOTAL	\$6,640,760	\$6,779,023	\$6,921,433	\$7,068,116	\$27,409,333

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

Go COMO		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Low Emission No Emission Grant	ENG	Federal					
State #			State					
TIP #	2018-20		Local					
Description:	Three (3) 30 ft Electric buses and ancillary equipment, project management, and electrical service relocation.		Other					
		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	\$2,048,500							
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$2,048,500	\$0	\$0	\$0	\$2,048,500

Go COMO		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
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	\$450,000							
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$450,000	\$0	\$0	\$0	\$450,000

Go COMO		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
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	\$939,040							
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$939,040	\$0	\$0	\$0	\$939,040

Go COMO		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
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				TOTALS	
			2019	2020	2021	2022		
Project	Purchase of four lift-equipped mini-vans	ENG	Federal					
State #			State					
TIP #	2017-22		Local					
Description:	Purchase of four (4) lift-equipped mini-vans to provide regular transport for ACT Day Program over four fiscal years		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$28,800	\$28,800	\$28,800	\$28,800	\$115,200
Federal Funding Category	Section 5310		State					
State Funding Category			Local	\$7,200	\$7,200	\$7,200	\$7,200	\$28,800
Work or Fund Category	CON		Other					
Total Project Cost	\$144,000							
			TOTAL	\$36,000	\$36,000	\$36,000	\$36,000	\$144,000

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Purchase of two lift-equipped vehicles	ENG	Federal					
State #			State					
TIP #	2017-23		Local					
Description:	Purchase of a total of two (2) lift-equipped vehicles to provide service in CATSO MPA		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			State					
State Funding Category			Local					
Work or Fund Category	Other							
Total Project Cost	\$286,783	CON	Federal	\$47,026	\$60,800	\$60,800	\$60,800	\$229,426
Other Funding - OATS, Inc.			State					
			Local	\$11,757	\$15,200	\$15,200	\$15,200	\$57,357
			Other					
			TOTAL	\$58,783	\$76,000	\$76,000	\$76,000	\$286,783

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Elderly & Disabled & beyond ADA	ENG	Federal					
State #			State					
TIP #	2017-26		Local					
Description:	Section 5310 funding for transportation		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			State					
State Funding Category			Local					
Work or Fund Category	Other							
Total Project Cost	\$980,000	CON	Federal	\$100,000	\$125,000	\$130,000	\$135,000	\$490,000
Other Funding - OATS, Inc.			State					
			Local	\$100,000	\$125,000	\$130,000	\$135,000	\$490,000
			Other					
			TOTAL	\$200,000	\$250,000	\$260,000	\$270,000	\$980,000

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2019	2020	2021	2022		
Project	Bus and Bus Facilities	ENG	Federal					
State #			State					
TIP #			Local					
Description:			Other					
	Purchase of two lift-equipped vehicles	ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$59,000	\$0	\$60,000	\$60,000	\$179,000
Federal Funding Category	Section 5339		State					
State Funding Category			Local	\$14,900	\$0	\$15,000	\$15,000	\$44,900
Work or Fund Category			Other					
Total Project Cost	\$223,900		TOTAL	\$73,900	\$0	\$75,000	\$75,000	\$223,900

OATS, Inc.		Funding	Fiscal Year					
			2019	2020	2021	2022	TOTALS	
Project	Funding for general public transportation in rural Boone County	ENG	Federal					
State #			State					
TIP #	2015-22		Local					
Description:	Section 5311 funding for unincorporated Boone County, all service operates from base in MPA		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	2019	2018	2019	2021	TOTALS
Go COMO; OATS, Inc.; ACT	Federal	\$5,160,310	\$2,272,600	\$2,339,600	\$2,424,600	\$12,197,110
	State	\$34,000	\$34,000	\$34,000	\$34,000	\$136,000
	Local	\$5,366,673	\$4,954,423	\$5,118,833	\$5,290,516	\$20,730,446
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$10,560,983	\$7,261,023	\$7,492,433	\$7,749,116	\$33,063,556

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:

Category	2019	2020	2021	2022	TOTAL
Section 5307 Operating	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$8,000,000
Section 5339 Capital	\$2,929,484	\$0	\$60,000	\$140,000	\$3,129,484
Section 5310	\$175,826	\$214,600	\$219,600	\$224,600	\$834,626
Section 5311	\$55,000	\$58,000	\$60,000	\$60,000	\$233,000
Total	\$5,160,310	\$2,272,600	\$2,339,600	\$2,424,600	\$12,197,110

FINANCIAL PLAN/SUMMARY MoDOT

Funding Source		2019			2020			2021			2022			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
MoDOT	ANTICIPATED	\$15,106,100	\$13,941,900	\$29,048,000	\$757,000	\$5,464,000	\$6,221,000	\$5,046,400	\$16,137,600	\$21,184,000	\$0	\$4,399,000	\$4,399,000	\$20,909,500	\$39,942,500	\$60,852,000
Construction & Payment Projects	PROGRAMMED	\$15,106,100	\$13,941,900	\$29,048,000	\$757,000	\$5,464,000	\$6,221,000	\$5,046,400	\$16,137,600	\$21,184,000	\$0	\$4,399,000	\$4,399,000	\$20,909,500	\$39,942,500	\$60,852,000
MoDOT	ANTICIPATED	\$100,650	\$461,350	\$562,000	\$28,350	\$752,650	\$781,000	\$0	\$0	\$0	\$0	\$0	\$0	\$129,000	\$1,214,000	\$1,343,000
Scoping	PROGRAMMED	\$100,650	\$461,350	\$562,000	\$28,350	\$752,650	\$781,000	\$0	\$0	\$0	\$0	\$0	\$0	\$129,000	\$1,214,000	\$1,343,000
TOTALS	ANTICIPATED	\$15,206,750	\$14,403,250	\$29,610,000	\$785,350	\$6,216,650	\$7,002,000	\$5,046,400	\$16,137,600	\$21,184,000	\$0	\$4,399,000	\$4,399,000	\$21,038,500	\$41,156,500	\$62,195,000
ALL	PROGRAMMED	\$15,206,750	\$14,403,250	\$29,610,000	\$785,350	\$6,216,650	\$7,002,000	\$5,046,400	\$16,137,600	\$21,184,000	\$0	\$4,399,000	\$4,399,000	\$21,038,500	\$41,156,500	\$62,195,000

COLUMBIA MPA, 2018

Project Selection Process:

Note 1: Federal funding is from Federal Highway Administration (FHWA).

Note 2: Other \$ funding is from MoDOT and local sources.

FINANCIAL PLAN/SUMMARY Boone County Streets

Fiscal Year Funding Source		2019			2020			2021			2022			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
Boone County FHWA	ANTICIPATED PROGRAMMED	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Boone County	ANTICIPATED PROGRAMMED	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
TOTALS ALL	ANTICIPATED PROGRAMMED	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0

COLUMBIA MPA, 2018 - No projects are currently programmed for the scope period

Project Selection Process:

County project selection is done by Boone County Public Works and the Boone County Commission.

Note: As federal funding for county projects is not consistent, no assumptions are made for federal fund availability.

FINANCIAL PLAN/SUMMARY

Columbia Streets

Fiscal Year	Funding Source	2019			2020			2021			2022			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia	ANTICIPATED	\$0	\$9,752,986	\$9,752,986	\$0	\$4,417,872	\$4,417,872	\$0	\$5,400,000	\$5,400,000	\$0	\$0	\$0	\$0	\$19,570,858	\$19,570,858
	PROGRAMMED	\$0	\$9,752,986	\$9,752,986	\$0	\$4,417,872	\$4,417,872	\$0	\$5,400,000	\$5,400,000	\$0	\$0	\$0	\$0	\$19,570,858	\$19,570,858
City of Columbia FHWA_BRM	ANTICIPATED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PROGRAMMED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	ANTICIPATED	\$0	\$9,752,986	\$9,752,986	\$0	\$4,417,872	\$4,417,872	\$0	\$5,400,000	\$5,400,000	\$0	\$0	\$0	\$0	\$19,570,858	\$19,570,858
ALL	PROGRAMMED	\$0	\$9,752,986	\$9,752,986	\$0	\$4,417,872	\$4,417,872	\$0	\$5,400,000	\$5,400,000	\$0	\$0	\$0	\$0	\$19,570,858	\$19,570,858

COLUMBIA MPA, 2018

Project Selection Process:

City project selection is done by the City of Columbia Public Works Department and the City Council.

Note 1: Federal funding is from Federal Highway Administration (FHWA).

FINANCIAL PLAN/SUMMARY

Columbia Sidewalks

Fiscal Year Funding Source		2019			2020			2021			2022			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia	ANTICIPATED	\$279,896	\$60,300	\$340,196	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$279,896	\$60,300	\$340,196
Transportation Alternatives	PROGRAMMED	\$279,896	\$60,300	\$340,196	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$279,896	\$60,300	\$340,196
City of Columbia	ANTICIPATED	\$0	\$513,000	\$513,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$513,000	\$513,000
	PROGRAMMED	\$0	\$513,000	\$513,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$513,000	\$513,000
TOTALS	ANTICIPATED	\$279,896	\$573,300	\$853,196	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$279,896	\$573,300	\$853,196
ALL	PROGRAMMED	\$279,896	\$573,300	\$853,196	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$279,896	\$573,300	\$853,196

COLUMBIA MPA, 2018

Project Selection Process:

City project selection is done by City of Columbia Public Works and the City Council.

FINANCIAL PLAN/SUMMARY

**City of Columbia GetAbout Columbia
(Non-Motorized Pilot Program)**

Fiscal Year Funding Source		2019			2020			2021			2022			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia	ANTICIPATED	\$1,840,000	\$0	\$1,840,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,840,000	\$0	\$1,840,000
	PROGRAMMED	\$1,840,000	\$0	\$1,840,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,840,000	\$0	\$1,840,000
TOTALS	ANTICIPATED	\$1,840,000	\$0	\$1,840,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,840,000	\$0	\$1,840,000
ALL	PROGRAMMED	\$1,840,000	\$0	\$1,840,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,840,000	\$0	\$1,840,000

COLUMBIA MPA, 2018

Project Selection Process: City project selection is done by City of Columbia Public Works and the City Council.

Note: Federal funding is from Federal Highway Administration (FHWA) Non-Motorized Pilot Program from SAFETEA-LU Act of 2005.

FINANCIAL PLAN/SUMMARY Rail-Highway

Fiscal Year Funding Source		2019			2020			2021			2022			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia (COLT RR)	ANTICIPATED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PROGRAMMED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ANTICIPATED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PROGRAMMED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	ANTICIPATED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALL	PROGRAMMED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COLUMBIA MPA, 2018 - No projects are currently programmed for the scoping period

Project Selection Process:

City project selection is done by City of Columbia Water & Light Department, and the City Council.

FINANCIAL PLAN/SUMMARY

Transit

Fiscal Year	Funding Source	2019			2020			2021			2022			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
Alternative Community Training (ACT) (Section 5310 funds)	ANTICIPATED	\$28,800	\$7,200	\$36,000	\$28,800	\$7,200	\$36,000	\$28,800	\$7,200	\$36,000	\$28,800	\$7,200	\$36,000	\$115,200	\$28,800	\$144,000
	PROGRAMMED	\$28,800	\$7,200	\$36,000	\$28,800	\$7,200	\$36,000	\$28,800	\$7,200	\$36,000	\$28,800	\$7,200	\$36,000	\$115,200	\$28,800	\$144,000
OATS, Inc. (Section 5310 funds)	ANTICIPATED	\$147,026	\$111,757	\$258,783	\$185,800	\$140,200	\$326,000	\$190,800	\$145,200	\$336,000	\$195,800	\$150,200	\$346,000	\$719,426	\$547,357	\$1,266,783
	PROGRAMMED	\$147,026	\$111,757	\$258,783	\$185,800	\$140,200	\$326,000	\$190,800	\$145,200	\$336,000	\$195,800	\$150,200	\$346,000	\$719,426	\$547,357	\$1,266,783
OATS, Inc. (Section 5311 funds)	ANTICIPATED	\$55,000	\$59,000	\$114,000	\$58,000	\$62,000	\$120,000	\$60,000	\$64,000	\$124,000	\$60,000	\$64,000	\$124,000	\$233,000	\$249,000	\$482,000
	PROGRAMMED	\$55,000	\$59,000	\$114,000	\$58,000	\$62,000	\$120,000	\$60,000	\$64,000	\$124,000	\$60,000	\$64,000	\$124,000	\$233,000	\$249,000	\$482,000
OATS, Inc. (Section 5339 capital)	ANTICIPATED	\$59,000	\$14,900	\$73,900	\$0	\$0	\$0	\$60,000	\$15,000	\$75,000	\$60,000	\$15,000	\$75,000	\$179,000	\$44,900	\$223,900
	PROGRAMMED	\$59,000	\$14,900	\$73,900	\$0	\$0	\$0	\$60,000	\$15,000	\$75,000	\$60,000	\$15,000	\$75,000	\$179,000	\$44,900	\$223,900
City of Columbia (Go COMO) (Section 5307 funds)	ANTICIPATED	\$2,000,000	\$4,640,760	\$6,640,760	\$2,000,000	\$4,779,023	\$6,779,023	\$2,000,000	\$4,921,433	\$6,921,433	\$2,000,000	\$5,068,116	\$7,068,116	\$8,000,000	\$19,409,333	\$27,409,333
	PROGRAMMED	\$2,000,000	\$4,640,760	\$6,640,760	\$2,000,000	\$4,779,023	\$6,779,023	\$2,000,000	\$4,921,433	\$6,921,433	\$2,000,000	\$5,068,116	\$7,068,116	\$8,000,000	\$19,409,333	\$27,409,333
City of Columbia (Go COMO) (FTA Section 5339 capital)	ANTICIPATED	\$2,870,484	\$567,056	\$3,437,540	\$0	\$0	\$0	\$0	\$0	\$0	\$80,000	\$20,000	\$100,000	\$2,950,484	\$587,056	\$3,537,540
	PROGRAMMED	\$2,870,484	\$567,056	\$3,437,540	\$0	\$0	\$0	\$0	\$0	\$0	\$80,000	\$20,000	\$100,000	\$2,950,484	\$587,056	\$3,537,540
TOTALS	ANTICIPATED	\$5,160,310	\$5,400,673	\$10,560,983	\$2,272,600	\$4,988,423	\$7,261,023	\$2,339,600	\$5,152,833	\$7,492,433	\$2,424,600	\$5,324,516	\$7,749,116	\$12,197,110	\$20,866,445	\$33,063,555
ALL	PROGRAMMED	\$5,160,310	\$5,400,673	\$10,560,983	\$2,272,600	\$4,988,423	\$7,261,023	\$2,339,600	\$5,152,833	\$7,492,433	\$2,424,600	\$5,324,516	\$7,749,116	\$12,197,110	\$20,866,445	\$33,063,555

COLUMBIA MPA, 2018

Project Selection Process:

City project selection is done by the City of Columbia Public Works Department and the City Council.

Note 1: Federal funding is from Federal Transit Administration (FTA).

Note 2: Operating assistance funding for Go COMO includes a total of \$128,000 from MoDOT sources in addition to federal & local sources.

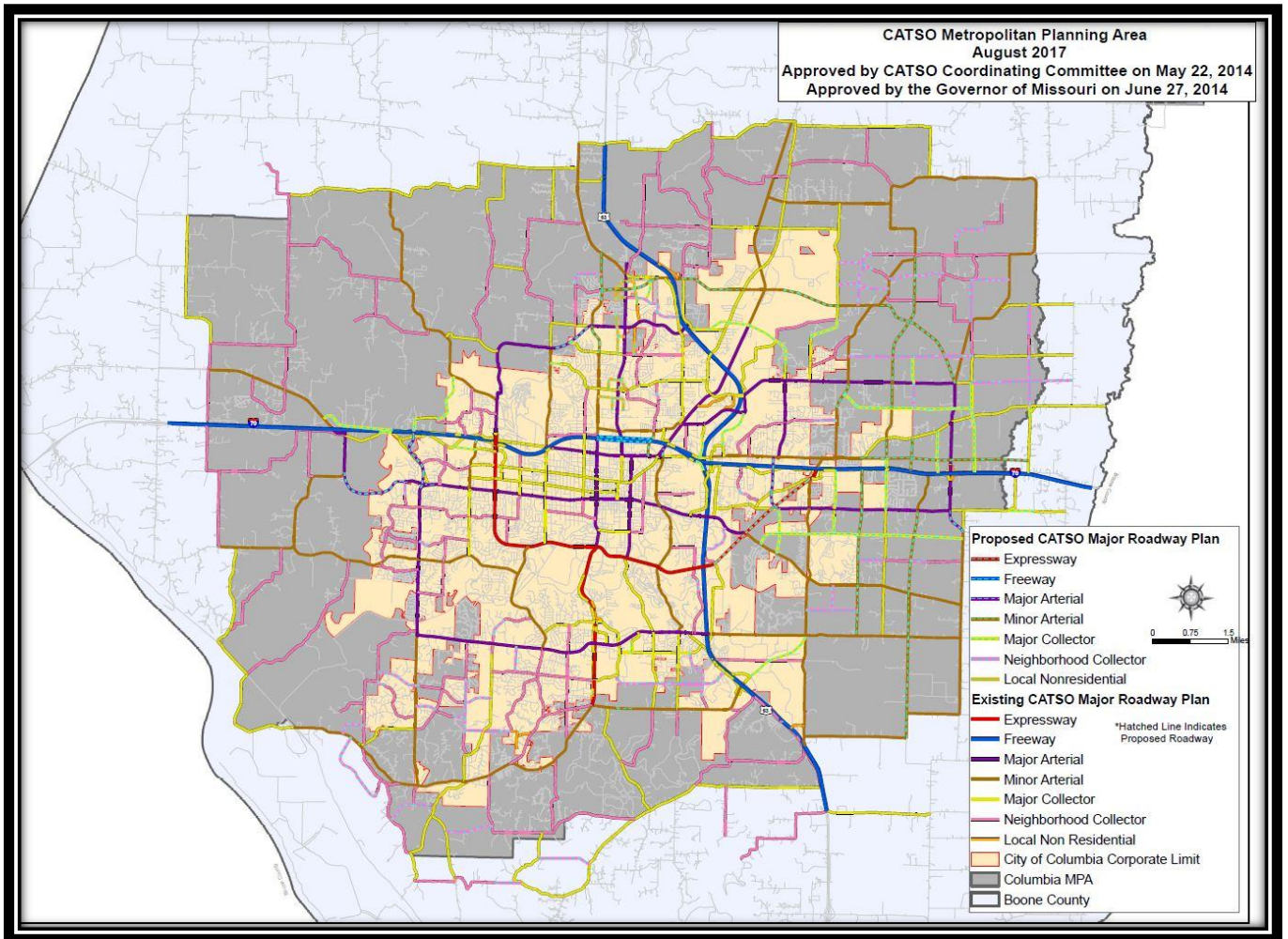
Total Financial Summary FY 2019-2022 TIP Programmed Projects	Federal \$	Local \$	Total \$
<i>Capital Projects</i>			
MoDOT Roadways	\$20,909,500	\$39,942,500	\$60,852,000
MoDOT Scoping	\$129,000	\$1,214,000	\$1,343,000
Boone County	\$0	\$0	\$0
Columbia Streets	\$0	\$19,570,858	\$19,570,858
Columbia Sidewalks	\$279,896	\$573,300	\$853,196
Get About (Non-Motorized)	\$1,840,000	\$0	\$1,840,000
Rail-Highway	\$0	\$0	\$0
Transit	\$12,197,110	\$20,866,445	\$33,063,555
Total Capital Project Funding	\$35,355,506	\$82,167,103	\$117,522,609
Total Maintenance (Fed-aid system)	\$0	\$10,467,443	\$10,467,443
Total Programmed	\$35,355,506	\$92,634,546	\$127,990,052
Total Revenue	\$35,355,506	\$160,645,515	\$196,001,021
Funds Remaining*	\$0	\$68,010,969	\$68,010,969

*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 non-federal-aid road system.

Appendices

FY 2019-2022 Draft CATSO Transportation Improvement Program

APPENDIX A



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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 st 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 (NMTTPP)** – Funds disbursed to the City of Columbia as part of the NMTTPP 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.

Co rd tax reb 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 Fd/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.

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

APPENDIX D

Public Participation

The Draft FY 2019-2022 TIP will be formally considered for adoption at the August 23, 2018 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 18, 2018. 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 2019-2022 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:

<https://www.como.gov/community-development/wp-content/uploads/sites/14/2015/09/CATSO-Public-Participation-Plan-2014.pdf>

**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