

Columbia Area Transportation Study Organization

DRAFT – JULY, 2016

**TRANSPORTATION
IMPROVEMENT PROGRAM**

FY 2017-2020

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 2017-2020 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 2017-2020 TIP document is the planned Program of Projects (POP) for COMO Connect (formerly Columbia Transit), the transit provider for the Columbia metropolitan planning area. The public notification for the public hearing to be held for consideration and potential approval of the TIP includes a reference to the POP. The public notice is part of the CATSO process established for public review of the TIP, and also meets the public involvement requirements for the POP.

PROJECT SELECTION

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

Programs covered via the Coordinated Public Transit Human Services Transportation Plan, for which CATSO does not have a direct role in project selection, have been included. Project

selection and priority criteria are applied by each of the individual public jurisdictions within the metropolitan area; MoDOT, Boone County, and the City of Columbia. Project selection is done by staff recommendations, the Missouri Highways and Transportation Commission, Boone County Commission, and the Columbia City Council.

TIP DEVELOPMENT PROCEDURES

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

The prioritization of recommended transportation improvement modifications begins at the basic level of management. The local units of government responsible for the provision and maintenance of transportation facilities and the local transit operators determine their own individual priorities without major influence from outside agencies. CATSO considers those projects listed in the first year of the TIP to be first priority, and those in the following years to be second, third, and fourth priority, respectively.

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

TIP FORMAT

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

The TIP project listing, beginning on page ?? 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. This may be included internally in the TIP or processed separately. This document has been included in the Appendix.

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

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 or modifications to the previous illustration of fiscal constraint. 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.
- b. The project is already listed in the current year and does not require a move from an out-year of the TIP forward to the current year.
- c. A material change to the project is not required (in terms of scope).

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

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

2. Amendments

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

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

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

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

PUBLIC PARTICIPATION PLAN

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

http://www.gocolumbiamo.com/community_development/planning/boards_and_commissions/cats/documents/ApprovedCATSOPPP12-4-14Rev12-22.pdf

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

Transportation Improvement Program

Procedure and Schedule for Preparation of the TIP. The TIP is reviewed annually between May and August. CATSO staff begins the process by soliciting transportation providers in writing for projects and programs and their anticipated funding amounts to include in each year's TIP. CATSO staff then reviews the requests in consultation with all local jurisdictions and public agencies and prepares a draft TIP. Upon completion of this review, the draft TIP is posted for general public comment for a minimum period of thirty (30) calendar days. During this period, the TIP is circulated to members of the Technical Committee, who review the document and provide a recommendation to the Coordinating Committee. The Coordinating Committee then convenes a public hearing. Upon conclusion of the hearing, the Coordinating Committee may a) Approve the TIP as presented; 2) Approve the TIP with documented modifications; or 3) Table the TIP to a date certain for further consideration. After its approval, the TIP is transmitted to the MoDOT Central Office to secure approval from the Governor of the State of Missouri and FHWA-FTA.

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

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

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

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

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

2. Agencies submitting projects for inclusion in the TIP will include written documentation of the public involvement procedures used by that agency in selecting projects to include in the TIP and/or for federal funding, e.g., projects for which FTA Section 5307 funding is sought. If written or oral comments that question the need, scope or scheduling of TIP projects or that

propose alternative projects are received during the TIP preparation process, the submitting agency will submit a summary, analysis and report on the disposition of the comments which will be made a part of the approved TIP.

The regulation concerning public participation reads as follows:

§ 450.316 Interested parties, participation, and consultation.

(a) The MPO shall develop and use a documented participation plan that defines a process for providing citizens, affected public agencies, representatives of public transportation employees, freight shippers, providers of freight transportation services, private providers of transportation, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties with reasonable opportunities to be involved in the metropolitan transportation planning process.

The Columbia MPO has solicited public comments on the proposed FY 2017-2020 Transportation Improvement Program. The draft TIP will be made available for public viewing and comment for 30 days via newspaper advertisement in the Columbia Daily Tribune and document posting on the City's website at:

http://www.gocolumbiamo.com/community_development/planning/boards_and_commissions/cats/index.php

All public comments were considered in finalizing the FY 2017-2020 project programming. The final document and amendments will be maintained and available for public access on the web, as well as the related documents referenced herein.

MONITORING PROGRESS IN IMPLEMENTING THE TRANSPORTATION PLAN
(23 CFR 450.324(1)(2)).

STATUS OF FY 2016-2019 TIP PROJECTS

Project

Status

MoDOT	
2010-22: (5I2176) Interstate 70 pavement improvements	Complete
2015-1: Route 63 Pavement Improvements	Complete
2015-2: (5S3089) OR 63 Bridge Improvements – Gans Creek	Complete
2015-3: (5S3090) OR 63 Bridge Improvements – Bonne Femme	Complete
2015-5: (5I3001) I-70 Pavement improvements	FY 17 Construction
2015-7: (5S3092) Payment to City of Columbia - Old 63/740	FY 17 Construction
2015-24: (5S2182B) Route E Bridge improvements	Complete
2016-1: Route PP Payment to City of Columbia	Complete
2016-2: I-70 Pavement Repair	Complete
2016-3: Various Enhancement Projects	Ongoing
2016-4: Various Pavement and Bridge Improvements	Complete
2016-5: Guard cable and guardrail repairs	Complete
2016-6: (5S3042) Various Pavement and Bridge Improvements	Complete
2016-7: (5S3043) Various Pavement and Bridge Improvements	Complete
2016-8: (5S3043B) Various Pavement and Bridge Improvements	Ongoing
2016-9: (5P3103) Various Work Zone Enforcement	Complete

Boone County	
2009-10: Waco Road - Highway 63 to City Limits	On hold

City of Columbia- Streets	
2009-27: Burnham/Rollins/Providence Intersection Upgrade	Ongoing
2013-37: Scott Boulevard Phase III: Vawter School Rd. to Rt. KK	Construction
2016-14: Discovery Drive South	Bid Cycle
2013-39: Broadway Pavement Improvements	Complete
2013-42: Stadium & Old 63 Intersection improvements	Final Design

Project**Status**

City of Columbia - Sidewalks	
2015-12: North Garth Avenue Sidewalk	Complete
2015-13: Elleta Boulevard Sidewalk	Complete
2015-14: Locust Street Sidewalk	On hold
2015-15: Worley & Clinkscales intersection improvements	Preliminary Design
2015-16: Nifong-Bethel Sidewalk	Final Design
2015-17: Avenue of the Columns (Eighth Street)	Construction

Transit - COMO Connect	
2015-18: Maintenance of existing operations & facilities	Ongoing
2009-74: Replacement of five (6) 40' New Flyer transit buses	Rollover
2009-95: Ten Bus Shelters	Rollover
2010-15: Replacement of seven (7) 40' New Flyer transit buses	Rollover
2010-17: CT System; Bus Priority System, Traffic Signal Control	FY 2018
2016-15: New Bus Shelters	Rollover

Transit - OATS, Inc.	
2015-21: JARC funding for employment transportation	No FY 16 programmed funds
2015-22: Funding for general public transport in rural Boone Co.	No FY 16 programmed funds
2016-16: Purchase of four lift-equipped vehicles (Sec. 5310)	Complete
2016-17: Purchase of four lift-equipped vehicles (Sec. 5311)	Complete

Transportation Alternatives - MoDOT/City of Columbia	
No projects for FY 16 at time of TIP development	

Safe Routes to School - PedNet Coalition¹	
2013-24: SRTS workshops/underserved schools	Complete
2013-25: Safe Routes to bus stops pilot program	Complete
2013-27: Middle School Bike Brigades	Complete

¹ Note: The Safe Routes to School and Transportation Enhancements programs have been absorbed into the Transportation Alternatives Program (TAP) under the MAP-21 transportation bill.

Project***Status***

GetAbout Columbia – Non-Motorized Pilot Program	
2009-47: Hominy Branch Trail Phase II	Complete
2009-89: Staff & Payrolls	Ongoing
2009-90: Promotion & Education	Ongoing
2009-91: Street markings & bicycle racks	Ongoing
2013-7: Bike Boulevard, MKT to BL 70 and Providence	Bid Cycle
2013-10: Manor Drive Sidewalk	Complete
2013-11: Forum Blvd. Ped Bridge	Complete
2013-19: Program Evaluation & Documentation	Ongoing
2013-21: County House Trail Phase 2 West	Preliminary Design
2013-22: Clark Lane & Hinkson Creek Trail Pedway	Bid Cycle
2013-23: Shepard to Rollins Trail connection	*Preliminary Design
Rail/Highway	
No projects for FY 2016	

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 2017 through FY 2020

Anticipated Federal Funds	FY 2017	FY 2018	FY 2019	FY 2020	Total
<i>FHWA Revenues</i>					
STP-Sub allocated	\$368,000	\$368,000	\$368,000	\$368,000	\$1,472,000
BRO – Boone County	\$0	\$0	\$0	\$0	\$0
Non-Motorized Project	\$4,080,000	\$230,000	\$150,000	\$0	\$4,460,000
Transportation Alternatives	\$0	\$0	\$0	\$0	\$0
MoDOT STP	\$4,635,000	\$3,620,000	\$1,074,000	\$1,134,000	\$10,463,000
MoDOT Safety	\$1,558,000	\$31,000	\$1,680,000	\$1,731,000	\$5,000,000
MoDOT NHPP	\$7,969,000	\$1,944,000	\$0	\$0	\$9,913,000
MoDOT HSIP	\$0	\$0	\$0	\$0	\$0
<i>FHWA Sub-Total</i>	\$18,610,000	\$6,193,000	\$3,272,000	\$3,233,000	\$31,308,000
<i>FTA Revenues</i>					
FTA Section 5307 Operating	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$9,200,000
FTA Section 5309 Capital	\$65,177	\$0	\$0	\$0	\$65,177
FTA Section 5339 Capital	\$6,931,587	\$80,000	\$0	\$0	\$7,011,587
FTA Section 5310	\$187,000	\$188,000	\$128,000	\$188,800	\$691,800
FTA Section 5311	\$50,000	\$55,000	\$58,000	\$60,000	\$223,000
FTA Section 5316	\$91,000	\$0	\$0	\$0	\$91,000
<i>FTA Sub-Total</i>					
<i>Federal Totals</i>	\$28,234,764	\$8,816,000	\$5,758,000	\$5,781,800	\$48,590,564

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.

Table 2 – Estimated State Revenues for Operations & Maintenance

Anticipated State Revenue	2017	2018	2019	2020	Total
State tax, License & Fees	\$1,980,000	\$1,980,000	\$1,980,000	\$1,980,000	\$7,920,000

Local Revenue

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

Boone County receives revenue from several sources, including a dedicated one-half cent sales tax. This sales tax revenue is used, in part, to replace a portion of dedicated property tax revenue: the dedicated property tax levy was reduced, but not eliminated, in conjunction with voter approval of the sales tax. In addition, a portion of the sales tax revenue is distributed to entities within the county (cities and special road district). The net amount retained by Boone County is used to pay for maintenance and improvement of the County's roadway infrastructure. In 2007, this sales tax was renewed by voters and is authorized through 2018. This document presumes that this tax will be reauthorized by the public prior to its expiration date. In addition to the one-half cent sales tax, Boone County receives revenue from a dedicated property tax levy (reduced, as described above), revenues from the state-wide fuel tax, revenues from motor vehicle licensing fees, and a portion of the state's sales taxes derived from the sale of motor vehicles. Some, but not all, of Boone County's infrastructure assets are located within the CATSO area; accordingly, revenue amounts shown in the table below have been pro-rated. Amounts shown in the table below have also been reduced by the amounts distributed to other entities. Boone County also receives federal funding for bridge projects; this funding is received on an intermittent basis and is therefore omitted from Table 1 above.

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. The City is a recipient of federal STP and bridge funds for roadway construction projects. 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 \$70,845,170.

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 \$35,177,370.

Revenue estimates in Table 3 were provided by the Boone County Auditor's office and the City of Columbia Finance Department. Table 3 provides a summary of local tax revenue sources. For the Boone County ½ cent sales tax and dedicated property tax, an annual inflation factor of 2 percent was generally employed. An inflation factor of 1 percent was employed for the City of Columbia ½ cent transportation sales tax and ¼ cent capital improvement sales tax revenue projections. Other revenue sources are either projected to be flat across the FY 2017-2020 budget period.

Table 3 - Selected Local Taxes 2017 Through 2020

Anticipated Local Revenue	2017	2018	2019	2020	Total
Boone County ½ cent sales tax	\$3,865,514	\$3,942,825	\$4,021,681	\$4,102,115	\$15,932,135
Boone County dedicated property tax	\$408,392	\$416,560	\$424,892	\$433,389	\$1,683,233
Boone County gas tax	\$376,200	\$376,200	\$376,200	\$376,200	\$1,504,800
Boone County motor vehicle fees & sales tax	\$141,075	\$141,075	\$141,075	\$141,075	\$564,300
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	\$11,631,990	\$11,748,310	\$11,865,793	\$11,984,451	\$47,230,544
City of Columbia 1/4 cent sales tax	\$5,815,836	\$5,873,994	\$5,932,734	\$5,992,062	\$23,614,626
Gasoline Tax (City)	\$2,983,251	\$2,983,251	\$2,983,251	\$2,983,251	\$11,933,004
Motor Vehicle Tax (City)	\$1,427,887	\$1,427,887	\$1,427,887	\$1,427,887	\$5,711,548
Public Improvement Fund/Dev. Fees	\$2,343,207	\$2,453,139	\$2,363,170	\$2,373,302	\$9,532,818
City CDBG Revenue	\$0	\$0	\$0	\$0	\$0
TOTALS	\$30,993,352	\$31,363,241	\$31,536,683	\$31,813,732	\$125,707,008

Table 4 - Summary of Forecasted Federal, State & Local Revenue 2017 Through 2020

Anticipated Revenue Source	2017	2018	2019	2020	Total
Federal	\$28,234,764	\$8,816,000	\$5,758,000	\$5,781,800	\$48,590,564
State (MoDOT)	\$4,823,000	\$3,473,000	\$42,137,000	\$2,472,000	\$52,905,000
Boone County	\$4,791,181	\$4,876,660	\$4,963,848	\$5,052,779	\$19,684,468
City of Columbia	\$26,202,171	\$26,486,581	\$26,572,835	\$26,760,953	\$106,022,540
TOTALS	\$64,051,116	\$43,652,241	\$79,431,683	\$40,067,532	\$227,202,572

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) 2017-2020 STIP for more information.

OPERATIONS AND MAINTENANCE

Maintenance costs include MoDOT's salaries, fringe benefits, 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; facilities to house equipment and materials such as salt, asphalt and fuel. Maintenance operations expenditures are expected to increase 1% annually.

This makes MoDOT's cost, \$6,682 per lane mile.

Calculations are \$516,985,000 / 77,366 lane miles.

Assumptions:

Maintenance Operations	\$467,168,000 *
Fleet Investments	\$ 22,617,000 *
Facility Investments	\$ 7,200,000 *
IS Investments	<u>\$ 20,000,000 *</u>
Total	\$516,985,000

Lane miles 77,366 **

*Source: FY 2017 Budget Request

** Source: Official 2015 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 5 - Estimated Maintenance Costs for Federal Aid Road Mileage

Maintenance Costs-Federal Aid System	Lane Miles	Cost Per Mile*	2017	2018	2019	2020	Total
State System MoDOT	171	\$7,120	\$1,217,520	\$1,254,046	\$1,291,667	\$1,330,417	\$5,093,650
Boone County	39	\$6,431	\$250,809	\$258,333	\$266,083	\$274,066	\$1,049,291
City of Columbia	150.6	\$8,692	\$1,309,015	\$1,348,286	\$1,388,734	\$1,430,396	\$5,476,431
TOTAL	360.6	-	\$2,777,344	\$2,860,665	\$2,946,484	\$3,034,879	\$11,619,372

* - Base cost per mile for FY 2017 is in 2016 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 2017. These figures were revised based on previous document numbers and an inflation factor applied. For MPA roadways that are not part of the federal-aid system, the maintenance cost per centerline mile is lower due to multiple factors, including lower traffic volumes.

The lane per mile cost figures above could also be utilized to calculate the maintenance costs for all roadways maintained by the local jurisdictions within the MPA, beyond the federal aid system. The City of Columbia maintains 1150 lane miles of roadway, while Boone County maintains 604 lane miles of roadway within the CATSO MPA. For example, the anticipated total street maintenance budget for Columbia for FY 2017 is \$9,996,996, which divided by the roadway miles gives a lane mile cost of \$8,693.

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.

Tables 6 and 7 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 6 – City of Columbia Funding Summary – Roadway Network Projects

City of Columbia	2017	2018	2019	2020	Total
Total Estimated Revenue	\$26,202,171	\$26,486,581	\$26,572,835	\$26,760,953	\$106,022,540
Estimated Operations & Maintenance Costs	\$9,996,996	\$10,296,906	\$10,605,813	\$10,923,987	\$41,823,702
Funds Available for Capital Projects	\$16,205,175	\$16,189,675	\$15,967,022	\$15,836,965	\$64,198,838
Local Share of TIP Projects with Federal Funds	\$300,000	\$816,201	\$140,000	\$540,000	\$1,796,201
Funds Available* for Local Projects	\$15,905,175	\$15,373,474	\$15,827,022	\$15,296,965	\$62,402,637

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

Table 7 – Boone County Funding Summary – Roadway Network Projects (CATSO MPA)

Boone County	2017	2018	2019	2020	Total
Total Estimated Revenue (CATSO MPA only)	\$4,791,182	\$4,876,660	\$4,963,848	\$5,052,779	\$19,684,469
Estimated Operations & Maintenance Costs	\$3,884,517	\$4,001,053	\$4,121,084	\$4,244,717	\$16,251,371
Funds Available for Capital Projects	\$906,665	\$875,607	\$842,764	\$808,062	\$3,433,098
Local Share of TIP Projects with Federal Funds	\$0	\$0	\$0	\$0	\$0
Funds Available* for Local Projects	\$906,665	\$875,607	\$842,764	\$808,062	\$3,433,098

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

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. The latter includes repair and replacement of damaged bus shelters, weed control, and trash pickup. Facility maintenance expenses include routine replacement of various parts in the bus washing facility and fuel for fleet operations, the latter being a major expense.

Table 8 – Estimated Expenditures for Transit Operations and Maintenance

Activity	2017	2018	2019	2020	Total
FTA Section 5307 Funds for System Operations	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$9,200,000
Local & State Expenditures for System Operations & Maintenance	\$2,571,970	\$2,692,531	\$2,815,504	\$2,940,936	\$11,020,941
TOTAL	\$4,871,970	\$4,992,531	\$5,115,504	\$5,249,036	\$20,229,041

Besides anticipated/programmed \$9,200,000 in FTA operating funds (Section 5307), the table above includes \$60,000 in MoDOT transit operating assistance, in addition to local City of Columbia funding from ½ cent transportation sales tax revenues.

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 2017-2020 TIP includes a total of \$111,859,483 in capital projects, with \$50,787,057 in federal funds, \$44,985,000 in state funds, and \$16,087,426 in local funding applied to those projects. Total anticipated revenue available for transportation purposes over the four-year TIP period is approximately \$48,590,564 in federal dollars, \$52,905,000 in state funds and \$125,707,008 in local funds. This is a total of \$227,202,572.

Depending upon future federal legislation, additional funds for STP Alternatives and other programs might be anticipated in the out years of the TIP period. It should be noted that \$8,023,564 of the estimated federal funding shown is FTA capital and other non-operating transit funding, e.g. Section 5316. The receipt of this category 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 for roadways include all roadways under MoDOT, Boone County, and City of Columbia jurisdiction, not just Federal-aid roadway miles.

For the City of Columbia, a total of \$5,476,116 in streets and sidewalks O & M is projected to be programmed for the federal-aid system (75.3 centerline miles) over the four-year TIP period.

And a total of \$10,960,941 in local (City of Columbia 1/2 cent transportation sales tax) funds, \$60,000 in state (MoDOT transit operating) funds, and \$9,200,000 in Federal (FTA Section 5307) funds are projected to be programmed for transit O & M. This is a total of \$20,229,941. 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 \$1,049,341 is projected to be programmed for streets O & M for the federal-aid system (19.5 centerline miles) in the Columbia MPA.

For MoDOT, a total of \$6,631,045 is projected to be programmed for O & M for the federal-aid system (111.4 centerline miles) in the Columbia MPA.

Total maintenance costs for the federal-aid system anticipated among all jurisdictions are \$13,156,503. As noted, this does not include transit O & M costs, which are included in the capital cost totals. Nor does it include the remainder of the street system in the Columbia MPA (non federal-aid mileage), Columbia Regional Airport maintenance and operation costs, which

are covered by the same City of Columbia sources of revenue utilized for surface transportation. Combined with programmed capital projects, a total of \$125,015,986 in costs is anticipated. The anticipated revenue of \$227,202,572 is adequate to fund those projected costs. Additional projected revenue not shown as programmed in the FY 2017-2020 TIP is dedicated to other transportation responsibilities of the City. This includes the Columbia Regional Airport operations, other expenses, and maintaining reserve funds for emergencies and other unexpected needs. 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				
						2017	2018	2019	2020	TOTALS
Project	US 63 - Bridge Improvements	ENG	Federal	\$80,000	\$242,000					\$322,000
MoDOT #	5P3165		State	\$20,000	\$60,000					\$80,000
TIP #	2017-1		Local							\$0
Description:	Bridge improvements over Bonne Femme Creek. Project involves bridge A3125. Critical condition bridge.		State (AC)							
Federal Source Agency		FHWA	Federal		\$1,693,000					\$1,693,000
Federal Funding Category		NHPP	State		\$423,000					\$423,000
MoDOT Funding Category		Taking Care of System	Local							\$0
Work or Fund Category	ENG/CON	Other								\$0
Total Project Cost	\$2,562,000	State (AC)								\$0
Total Project Cost includes prior programming of \$44,000.				TOTAL	\$100,000	\$2,418,000	\$0	\$0		\$2,518,000

County: Boone		MoDOT		Funding		State Fiscal Year				
						2017	2018	2019	2020	TOTALS
Project	IS 70 - Pavement Improvements	ENG	Federal	\$539,000						\$539,000
MoDOT #	5I3001		State	\$60,000						\$60,000
TIP #	2015-5		Local							\$0
Description:	Pavement improvements on the eastbound and westbound lanes from the Missouri River to near the St. Charles Road interchange in Columbia.		State (AC)							
Federal Source Agency		FHWA	Federal	\$7,100,000						\$7,100,000
Federal Funding Category		NHPP	State	\$789,000						\$789,000
MoDOT Funding Category		Statewide Interstate and Major Bridge	Local							\$0
Work or Fund Category	ENG/CON	Other								\$0
Total Project Cost	\$8,558,000	State (AC)								\$0
Total Project Cost includes prior programming of \$70,000.				TOTAL	\$8,488,000	\$0	\$0	\$0	\$0	\$8,488,000

County: Boone		MoDOT		Funding		State Fiscal Year				
						2017	2018	2019	2020	TOTALS
Project	MO 763 - Pavement Improvements	ENG	Federal	\$191,000						\$191,000
MoDOT #	5S3159		State	\$48,000						\$48,000
TIP #	2017-2		Local							\$0
Description:	Pavement improvements from Bus. 70 to Rte. 740 in Columbia.		State (AC)							
Federal Source Agency		FHWA	Federal	\$44,000						\$44,000
Federal Funding Category		S.T.P.	State	\$11,000						\$11,000
MoDOT Funding Category		Taking Care of the System	Local							\$0
Work or Fund Category	ENG/ROW/CON	Other								\$0
Total Project Cost	\$2,208,000	State (AC)								\$0
Total Project Cost includes prior programming of \$4,000.				TOTAL	\$2,204,000	\$0	\$0	\$0	\$0	\$2,204,000

County: Boone		MoDOT		Funding		State Fiscal Year				
						2017	2018	2019	2020	TOTALS
Project	RT B - Pavement Improvements	ENG	Federal	\$137,000						\$137,000
MoDOT #	5S3155		State	\$34,000						\$34,000
TIP #	2017-3		Local							\$0
Description:	Pavement improvements from Brown Station Road to the bridge over Loop 70 in Columbia.		State (AC)							
Federal Source Agency		FHWA	Federal	\$5,000						\$5,000
Federal Funding Category		S.T.P.	State	\$1,000						\$1,000
MoDOT Funding Category		Taking Care of System	Local							\$0
Work or Fund Category	ENG/ROW/CON	Other								\$0
Total Project Cost	\$1,670,000	State (AC)								\$0
Total Project Cost includes prior programming of \$4,000.				TOTAL	\$1,666,000	\$0	\$0	\$0	\$0	\$1,666,000

MoDOT Roadway, Payment & Construction Projects

County: Cooper		MoDOT		Funding		State Fiscal Year				
						2017	2018	2019	2020	TOTALS
Project	IS 70 - Pavement Repair	ENG	Federal	\$16,000						\$16,000
MoDOT #	0130031		State	\$2,000						\$2,000
TIP #	2017-4		Local							\$0
Description:	Job Order Contracting for pavement repair in Cooper, Boone and Callaway Counties.	ROW	State (AC)							\$0
			Federal							\$0
			State							\$0
			Local							\$0
Federal Source Agency	FHWA	CON	Other						\$0	
Federal Funding Category	NHPP		Federal	\$225,000					\$225,000	
MoDOT Funding Category	ENG/CON		State	\$25,000					\$25,000	
Work or Fund Category	Statewide Interstate and Major Bridge		Local						\$0	
Total Project Cost	\$268,000		Other						\$0	
Total Project Cost includes prior programming of \$0.				State (AC)						\$0
				TOTAL	\$268,000	\$0	\$0	\$0	\$0	\$268,000

County: Howard		MoDOT		Funding		State Fiscal Year				
						2017	2018	2019	2020	TOTALS
Project	US 40 - Pavement & Shoulder Improvements	ENG	Federal	\$8,000	\$209,000					\$217,000
MoDOT #	5P3213		State	\$2,000	\$52,000					\$54,000
TIP #	2017-5		Local							\$0
Description:	Pavement and should improvements from Rte. 5 to Rte. UU in Boone County.	ROW	State (AC)							\$0
			Federal							\$0
			State							\$0
			Local							\$0
Federal Source Agency	FHWA	CON	Other						\$0	
Federal Funding Category	S.T.P.		Federal		\$3,375,000				\$3,375,000	
MoDOT Funding Category	Taking Care of System		State		\$844,000				\$844,000	
Work or Fund Category	ENG/CON		Local						\$0	
Total Project Cost	\$4,490,000		Other						\$0	
Total Project Cost includes prior programming of \$0.				State (AC)						\$0
				TOTAL	\$10,000	\$4,480,000	\$0	\$0	\$0	\$4,490,000

County: Various		MoDOT		Funding		State Fiscal Year				
						2017	2018	2019	2020	TOTALS
Project	Various Routes - Enhancement Projects	ENG	Federal							\$0
MoDOT #	0P3011F		State							\$0
TIP #	2016-3		Local							\$0
Description:	ADA Transition Plan improvements at various locations in the Central District. \$1,214,000 Statewide Transportation Alternatives funds.	ROW	State (AC)							\$0
			Federal							\$0
			State							\$0
			Local							\$0
Federal Source Agency	FHWA	CON	Other						\$0	
Federal Funding Category	S.T.P.		Federal	\$544,000					\$544,000	
MoDOT Funding Category	Taking Care of System		State	\$136,000					\$136,000	
Work or Fund Category	ENG/CON		Local						\$0	
Total Project Cost	\$685,000		Other						\$0	
Total Project Cost includes prior programming of \$5,000.				State (AC)						\$0
				TOTAL	\$680,000	\$0	\$0	\$0	\$0	\$680,000

County: Various		MoDOT		Funding		State Fiscal Year				
						2017	2018	2019	2020	TOTALS
Project	Various Routes - Safety Projects	ENG	Federal							\$0
MoDOT #	0P3018F		State							\$0
TIP #	2017-6		Local							\$0
Description:	Safety projects at various locations in the Central District. \$1,309,000 from Open Container funds.	ROW	State (AC)							\$0
			Federal							\$0
			State							\$0
			Local							\$0
Federal Source Agency	FHWA	CON	Other						\$0	
Federal Funding Category	Safety		Federal	\$1,213,000					\$1,213,000	
MoDOT Funding Category	Safety		State	\$135,000					\$135,000	
Work or Fund Category	FFOS/CON		Local						\$0	
Total Project Cost	\$1,348,000		Other						\$0	
Total Project Cost includes prior programming of \$0.				State (AC)						\$0
				TOTAL	\$1,348,000	\$0	\$0	\$0	\$0	\$1,348,000

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Safety Projects				2017	2018	2019	2020	TOTALS
MoDOT #	0P3019F	ENG	Federal							\$0
TIP #	2017-7		State							\$0
Description:	Safety projects at various locations in the Central District. \$1,760,000 from Open Container funds.	ROW	Local							\$0
			State (AC)							\$0
			Federal							\$0
			State							\$0
Federal Source Agency	FHWA	CON	Local							\$0
			Other							\$0
			Federal			\$1,680,000		\$1,680,000		
			State			\$187,000		\$187,000		
MoDOT Funding Category	Safety	Local							\$0	
Work or Fund Category	FFOS/CON	Other							\$0	
Total Project Cost	\$1,867,000	State (AC)								\$0
Total Project Cost includes prior programming of \$0.				TOTAL	\$0	\$0	\$1,867,000	\$0	\$1,867,000	

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Safety Projects				2017	2018	2019	2020	TOTALS
MoDOT #	0P3020F	ENG	Federal							\$0
TIP #	2017-8		State							\$0
Description:	Safety projects at various locations in the Central District. \$1,760,000 from Open Container funds.	ROW	Local							\$0
			State (AC)							\$0
			Federal							\$0
			State							\$0
Federal Source Agency	FHWA	CON	Local							\$0
			Other							\$0
			Federal			\$1,731,000		\$1,731,000		
			State			\$192,000		\$192,000		
MoDOT Funding Category	Safety	Local							\$0	
Work or Fund Category	FFOS/CON	Other							\$0	
Total Project Cost	\$1,923,000	State (AC)								\$0
Total Project Cost includes prior programming of \$0.				TOTAL	\$0	\$0	\$0	\$1,923,000	\$1,923,000	

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Enhancement Projects				2017	2018	2019	2020	TOTALS
MoDOT #	0S3017F	ENG	Federal							\$0
TIP #	2017-9		State							\$0
Description:	ADA Transition Plan improvements at various locations in the Central District. \$1,188,000 from Statewide Transportation Alternatives funds.	ROW	Local							\$0
			State (AC)							\$0
			Federal							\$0
			State							\$0
Federal Source Agency	FHWA	CON	Local							\$0
			Other							\$0
			Federal	\$950,000		\$950,000				
			State	\$238,000		\$238,000				
MoDOT Funding Category	Taking Care of the System	Local							\$0	
Work or Fund Category	CON	Other							\$0	
Total Project Cost	\$1,188,000	State (AC)								\$0
Total Project Cost includes prior programming of \$0.				TOTAL	\$1,188,000	\$0	\$0	\$0	\$1,188,000	

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Enhancement Projects				2017	2018	2019	2020	TOTALS
MoDOT #	0S3019F	ENG	Federal							\$0
TIP #	2017-10		State							\$0
Description:	ADA Transition Plan improvements at various locations in the Central District. \$1,247,000 from Statewide Transportation Alternatives funds.	ROW	Local							\$0
			State (AC)							\$0
			Federal							\$0
			State							\$0
Federal Source Agency	FHWA	CON	Local							\$0
			Other							\$0
			Federal			\$1,058,000		\$1,058,000		
			State			\$265,000		\$265,000		
MoDOT Funding Category	Taking Care of the System	Local							\$0	
Work or Fund Category	CON	Other							\$0	
Total Project Cost	\$1,323,000	State (AC)								\$0
Total Project Cost includes prior programming of \$0.				TOTAL	\$0	\$0	\$1,323,000	\$0	\$1,323,000	

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Enhancement Projects				2017	2018	2019	2020	TOTALS
MoDOT #	0S3020F	ENG	Federal							\$0
			State							\$0
			Local							\$0
TIP #	2017-11	ROW	State (AC)							\$0
Description:	ADA Transition Plan improvements at various locations in the Central District. \$1,278,000 from Statewide Transportation Alternatives funds.		Federal							\$0
			State							\$0
			Local							\$0
		Other							\$0	
Federal Source Agency	FHWA	CON	Federal					\$1,118,000		\$1,118,000
Federal Funding Category	S.T.P.		State					\$279,000		\$279,000
MoDOT Funding Category	Taking Care of the System		Local							\$0
Work or Fund Category	CON		Other							\$0
Total Project Cost	\$1,397,000		State (AC)							\$0
Total Project Cost includes prior programming of \$0.				TOTAL	\$0	\$0	\$0	\$1,397,000		\$1,397,000

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Guard Cable and Guardrail Repair				2017	2018	2019	2020	TOTALS
MoDOT #	5P3183	ENG	Federal							\$0
			State	\$7,000						\$7,000
			Local							\$0
TIP #	2017-12	ROW	State (AC)	\$30,000						\$30,000
Description:	Job Order Contracting for guard cable and guardrail repair on various routes in the northern portion of the Central District.		Federal							\$0
			State							\$0
			Local							\$0
		Other							\$0	
Federal Source Agency	FHWA	CON	Federal							\$0
Federal Funding Category	S.T.P.		State	\$102,000						\$102,000
MoDOT Funding Category	Taking Care of the System		Local							\$0
Work or Fund Category	ENG/CON		Other							\$0
Total Project Cost	\$547,000		State (AC)	\$408,000						
Total Project Cost includes prior programming of \$0.				TOTAL	\$547,000	\$0	\$0	\$0	\$0	\$547,000

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Chevron Installation				2017	2018	2019	2020	TOTALS
MoDOT #	5P3204	ENG	Federal	\$31,000						\$31,000
			State	\$3,000						\$3,000
			Local							\$0
TIP #	2017-13	ROW	State (AC)							\$0
Description:	Chevron installation on various curves in Boone and Callaway Counties.		Federal							\$0
			State							\$0
			Local							\$0
		Other							\$0	
Federal Source Agency	FHWA	CON	Federal	\$283,000						\$283,000
Federal Funding Category	Safety		State	\$31,000						\$31,000
MoDOT Funding Category	Safety		Local							\$0
Work or Fund Category	ENG/CON		Other							\$0
Total Project Cost	\$348,000		State (AC)							\$0
Total Project Cost includes prior programming of \$0.				TOTAL	\$348,000	\$0	\$0	\$0	\$0	\$348,000

County: Various		MoDOT		Funding		State Fiscal Year				
Project		Various Routes - Pavement, Bridge or Operational Improvements				2017	2018	2019	2020	TOTALS
MoDOT #	5P3216	ENG	Federal							\$0
			State	\$10,000	\$10,000	\$422,000			\$442,000	
			Local						\$0	
TIP #	2017-14	ROW	State (AC)	\$40,000	\$40,000	\$1,687,000			\$1,767,000	
Description:	Pavement, bridge or operational improvements at various locations in the Central District.		Federal							\$0
			State						\$0	
			Local						\$0	
		Other						\$0		
Federal Source Agency	FHWA	CON	Federal							\$0
Federal Funding Category	S.T.P.		State			\$6,365,000			\$6,365,000	
MoDOT Funding Category	Taking Care of the System		Local						\$0	
Work or Fund Category	ENG/CON		Other						\$0	
Total Project Cost	\$34,036,000		State (AC)			\$25,462,000			\$25,462,000	
Total Project Cost includes prior programming of \$0.				TOTAL	\$50,000	\$50,000	\$33,936,000	\$0	\$0	\$34,036,000

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT	Funding	State Fiscal Year				TOTALS
				2017	2018	2019	2020	
Project	Various Routes - Pavement and Bridge Improvements	ENG	Federal					\$0
MoDOT #			5S3043B	State	\$200	\$7,000	\$89,000	
TIP #	2016-8	ROW	Local					\$0
Description:	Pavement and bridge improvements on various routes in the Central District.		State (AC)	\$800	\$26,000	\$354,000		\$380,800
Federal Source Agency		FHWA	Federal					\$0
Federal Funding Category	S.T.P.	State			\$1,061,000		\$1,061,000	
MoDOT Funding Category	Taking Care of the System	Local					\$0	
Work or Fund Category	ENG/CON	Other					\$0	
Total Project Cost	\$5,783,000	State (AC)			\$4,244,000		\$4,244,000	
Total Project Cost includes prior programming of \$1,000.			TOTAL	\$1,000	\$33,000	\$5,748,000	\$0	\$5,782,000

County: Various		MoDOT	Funding	State Fiscal Year				TOTALS
				2017	2018	2019	2020	
Project	Various Routes - Work Zone Enforcement	ENG	Federal					\$0
MoDOT #			5P3180	State				
TIP #	2017-15	ROW	Local					\$0
Description:	PAYMENTS		State (AC)					\$0
Federal Source Agency		FHWA	Federal					\$0
Federal Funding Category	Safety	State	\$31,000				\$31,000	
MoDOT Funding Category	Safety	Local	\$4,000				\$4,000	
Work or Fund Category	PAYMENTS	Other					\$0	
Total Project Cost	\$35,000	State (AC)						\$0
Total Project Cost includes prior programming of \$0.			TOTAL	\$35,000	\$0	\$0	\$0	\$35,000

County: Various		MoDOT	Funding	State Fiscal Year				TOTALS
				2017	2018	2019	2020	
Project	Various Routes - Work Zone Enforcement	ENG	Federal					\$0
MoDOT #			5P3217	State				
TIP #	2017-16	ROW	Local					\$0
Description:	On-call work zone enforcement at various locations in the Central District.		State (AC)					\$0
Federal Source Agency		FHWA	Federal		\$31,000			\$31,000
Federal Funding Category	Safety	State		\$4,000			\$4,000	
MoDOT Funding Category	Safety	Local					\$0	
Work or Fund Category	PAYMENTS	Other					\$0	
Total Project Cost	\$35,000	State (AC)						\$0
Total Project Cost includes prior programming of \$0.			TOTAL	\$0	\$35,000	\$0	\$0	\$35,000

County: Boone		MoDOT	Funding	MPO Fiscal Year				TOTALS
				2017	2018	2019	2020	
Project	MO 740 - Payment to City of Columbia	ENG	Federal					\$0
MoDOT #			5S3092	State	\$1,000			
TIP #	2015-7	ROW	Local					\$0
Description:	Payment to City of Columbia for intersection and ADA improvements at the intersection of Old Rte. 63 in Columbia. \$496,050 Local Cost Share.		State (AC)					\$0
Federal Source Agency			Federal					\$0
Federal Funding Category	State	State		\$702,000			\$702,000	
MoDOT Funding Category	Major Projects and Emerging Needs	Local					\$0	
Work or Fund Category	ENG/FFOS/Payments	State (AC)					\$0	
Total Project Cost	\$717,000							\$0
Total Project Cost (state portion) includes prior programming of \$14,000.			TOTAL	\$703,000	\$0	\$0	\$0	\$703,000

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		State Fiscal Year				
		Funding		2017	2018	2019	2020	TOTALS
Project	State System Bridge Inspection Program	ENG	Federal	\$8,000	\$8,000	\$8,000	\$8,000	\$32,000
MoDOT #			State	\$2,000	\$2,000	\$2,000	\$2,000	\$8,000
TIP #	2015-10		Local					
Description:	State system bridge inspection program	ROW	State (AC)					\$0
			Federal					\$0
			State					\$0
			Local					\$0
Federal Source Agency	FHWA	PAYMENT	Other					\$0
Federal Funding Category	S.T.P.		Federal					\$0
MoDOT Funding Category	State		State					\$0
Work or Fund Category	ENG		Local					\$0
Total Project Cost	\$10,000 Annual		Other					\$0
Total Project Cost includes prior programming of \$0.			State (AC)					\$0
			TOTAL	\$10,000	\$10,000	\$10,000	\$10,000	\$40,000

MoDOT Roadway, Payment & Construction Projects

County: Various		MoDOT		Funding					
				State Fiscal Year					
				2017	2018	2019	2020	TOTALS	
Project	Non-State System Bridge Inspection Program	ENG	Federal	\$8,000	\$8,000	\$8,000	\$8,000	\$32,000	
			State	\$2,000	\$2,000	\$2,000	\$2,000	\$8,000	
MoDOT #			Local					\$0	
TIP #	2015-11		State (AC)					\$0	
Description:	Non-state system bridge inspection program	ROW	Federal					\$0	
			State					\$0	
			Local					\$0	
			Other					\$0	
Federal Source Agency	FHWA	PAYMENT	Federal					\$0	
Federal Funding Category	S.T.P.		State					\$0	
MoDOT Funding Category	State		Local					\$0	
Work or Fund Category	ENG		Other					\$0	
Total Project Cost	\$10,000 Annual		State (AC)					\$0	
Total Project Cost includes prior programming of \$0.				TOTAL	\$10,000	\$10,000	\$10,000	\$10,000	\$40,000

MoDOT Financial Summary					
Source	2017	2018	2019	2020	TOTALS
Federal	\$14,133,000	\$5,566,000	\$2,754,000	\$2,865,000	\$25,318,000
State	\$2,341,200	\$1,404,000	\$8,393,000	\$475,000	\$12,613,200
Local	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0
State (AC)	\$478,800	\$66,000	\$31,747,000	\$0	\$32,291,800
Total	\$16,953,000	\$7,036,000	\$42,894,000	\$3,340,000	\$70,223,000

MoDOT Scoping Projects

County: Boone		MoDOT		Funding	State Fiscal Year				TOTALS
					2017	2018	2019	2020	
Project	RP IS 70W to LP 70W - Bridge Improvements	ENG	Federal	\$9,000	\$9,000			\$18,000	
MoDOT #	5I3107		State	\$1,000	\$1,000			\$2,000	
TIP #	2016-10		Local					\$0	
Description:	Scoping for bridge improvements over I-70 in Columbia. Project involves bridge L0928.		State (AC)					\$0	
Federal Source Agency	FHWA	ROW	Federal					\$0	
			State					\$0	
			Local					\$0	
			Other					\$0	
Federal Funding Category	NHPP	CON	Federal					\$0	
			State					\$0	
			Local					\$0	
			Other					\$0	
MoDOT Funding Category	Taking Care of the System		State (AC)				\$0		
Work or Fund Category	ENG						\$0		
Future Project Cost	\$2.001M to \$5.000M						\$0		
Total Project Cost includes prior programming of \$10,000.				TOTAL	\$10,000	\$10,000	\$0	\$0	\$20,000

County: Boone		MoDOT		Funding	State Fiscal Year				TOTALS
					2017	2018	2019	2020	
Project	MO 740 - Corridor Extension	ENG	Federal	\$8,000	\$8,000			\$16,000	
MoDOT #	5S0636		State	\$2,000	\$2,000			\$4,000	
TIP #	2010-20		Local					\$0	
Description:	Scoping for extension of corridor from Rte. 63 to I-70 at Lake of the Woods in Columbia.		State (AC)					\$0	
Federal Source Agency	FHWA	ROW	Federal					\$0	
			State					\$0	
			Local					\$0	
			Other					\$0	
Federal Funding Category	S.T.P.	CON	Federal					\$0	
			State					\$0	
			Local					\$0	
			Other					\$0	
MoDOT Funding Category	Major Projects and Emerging Needs		State (AC)				\$0		
Work or Fund Category	ENG						\$0		
Future Project Cost	\$50.001M to \$75.000M						\$0		
Total Project Cost includes prior programming of \$1,588,000.				TOTAL	\$10,000	\$10,000	\$0	\$0	\$20,000

County: Various		MoDOT		Funding	State Fiscal Year				TOTALS
					2017	2018	2019	2020	
Project	Various Routes - Pavement Improvements	ENG	Federal	\$4,000	\$4,000			\$8,000	
MoDOT #	5P3044		State	\$1,000	\$1,000			\$2,000	
TIP #	2016-11		Local					\$0	
Description:	Scoping for pavement improvements on various routes in the Central District.		State (AC)					\$0	
Federal Source Agency	FHWA	ROW	Federal					\$0	
			State					\$0	
			Local					\$0	
			Other					\$0	
Federal Funding Category	S.T.P.	CON	Federal					\$0	
			State					\$0	
			Local					\$0	
			Other					\$0	
MoDOT Funding Category	Taking Care of the System		State (AC)				\$0		
Work or Fund Category	ENG						\$0		
Future Project Cost	\$15.001M to \$25.000M						\$0		
Total Project Cost includes prior programming of \$24,000.				TOTAL	\$5,000	\$5,000	\$0	\$0	\$10,000

MoDOT Scoping Projects

County: Various MoDOT		Funding	State Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Various Routes - Pavement Improvements	ENG	Federal	\$4,000	\$4,000			\$8,000
MoDOT #	5P3045		State	\$1,000	\$1,000			\$2,000
TIP #	2016-12		Local					
Description:	Scoping for pavement improvements on various routes in the Central District.	ROW	State (AC)					
			Federal					
			State					
			Local					
Federal Source Agency	FHWA	CON	Other					
			Federal					
Federal Funding Category	S.T.P.	CON	State					
MoDOT Funding Category	Taking Care of the System		Local					
Work or Fund Category	ENG		Other					
Future Project Cost	\$25.001M to \$50.000M		State (AC)					
Total Project Cost includes prior programming of \$14,000.			TOTAL	\$5,000	\$5,000	\$0	\$0	\$10,000

County: Various MoDOT		Funding	State Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Various Routes - Slide Repairs	ENG	Federal	\$4,000	\$4,000			\$8,000
MoDOT #	5S3081		State	\$1,000	\$1,000			\$2,000
TIP #	2015-9		Local					
Description:	Scoping for slide repairs in the northern portion of the Central District.	ROW	State (AC)					
			Federal					
			State					
			Local					
Federal Source Agency	FHWA	CON	Other					
			Federal					
Federal Funding Category	S.T.P.	CON	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 \$55,000.			TOTAL	\$5,000	\$5,000	\$0	\$0	\$10,000

MoDOT Scoping Financial Summary						
Source	2017	2018	2019	2020	TOTALS	
Federal	\$29,000	\$29,000	\$0	\$0	\$58,000	
State	\$6,000	\$6,000	\$0	\$0	\$12,000	
Local	\$0	\$0	\$0	\$0	\$0	
Other	\$0	\$0	\$0	\$0	\$0	
State (AC)	\$0	\$0	\$0	\$0	\$0	
Total	\$35,000	\$35,000	\$0	\$0	\$70,000	

Boone County Road Projects

Boone County		Funding		MPO Fiscal Year				TOTALS
				2017	2018	2019	2020	
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	2017	2018	2019	2020	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				
				2017	2018	2019	2020	TOTALS
Project	Ballenger (Route PP) Improvement Project	ENG	Federal					
MoDOT #	2017-17		MoDOT					
TIP #			Local			\$140,000		\$140,000
Description:			Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal			\$350,000		\$350,000
Federal Funding Category	STP		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	ENG/ROW/CON		Other					
Total Project Cost	\$2,740,000							
Local Funding - capital improvement sales tax. Additional funding of \$2,250,000 needed.			TOTAL	\$0	\$0	\$490,000	\$0	\$490,000

City of Columbia - Streets		Funding		Fiscal Year				
				2017	2018	2019	2020	TOTALS
Project	Burnam/Rollins/Providence Intersection Upgrade and Study	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2009-27		Local		\$387,323			\$387,323
Description:			Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal		\$1,852,493			\$1,852,493
Federal Funding Category	STP		MoDOT					
MoDOT Funding Category			Local		\$428,878			\$428,878
Work or Fund Category	ENG/ROW/CON		Other					
Total Project Cost	\$3,200,000							
Local Funding - 1/4 cent capital improvements sales tax, Federal funding - STP. Additional funding of \$531,306 needed.			TOTAL	\$0	\$2,668,694	\$0	\$0	\$2,668,694

City of Columbia - Streets		Funding		Fiscal Year				
				2017	2018	2019	2020	TOTALS
Project	Discovery Drive South	ENG	Federal					
			MoDOT					
MoDOT #			Local	\$52,000				\$52,000
TIP #	2016-14		Other					
Description:	Extension of Discovery Drive south of Discovery Parkway	ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local	\$468,000				\$468,000
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$520,000							
Local Funding - transportation sales tax, EDA grant								
			TOTAL	\$520,000	\$0	\$0	\$0	\$520,000

City of Columbia - Streets		Funding		Fiscal Year				
				2017	2018	2019	2020	TOTALS
Project	Discovery Parkway Extension: Gans to New Haven/Rolling	ENG	Federal					
			MoDOT					
MoDOT #			Local				\$540,000	\$540,000
TIP #	2017-18		Other					
Description:	Extension of Discovery Parkway to Rolling Hills Road	ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal					
Federal Funding Category	STP		MoDOT					
MoDOT Funding Category			Local					
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; STP funds anticipated to be								
			TOTAL	\$0	\$0	\$0	\$540,000	\$540,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Nifong Widening/Improvement Project	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2017-19		Local	\$300,000			\$300,000	
Description:	Reconstruction of Nifong Boulevard between Providence Road (Route 163) and Forum Boulevard		Other					
		ROW	Federal	\$700,000			\$700,000	
			MoDOT					
			Local					
	Other							
Federal Source Agency	FHWA	CON	Federal			\$700,000	\$700,000	
Federal Funding Category	STP		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	CON		Other					
Total Project Cost	\$12,300,000							
Local funding - sale taxes, development fees, Boone County road tax rebate. Additional funding of \$10,600,000 needed.			TOTAL	\$1,000,000	\$0	\$0	\$700,000	\$1,700,000

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Reserved for Additional Project	ENG	Federal				\$0	
MoDOT #			MoDOT					
TIP #			Local				\$0	
Description:			Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal				\$0	
Federal Funding Category	STP		MoDOT					
MoDOT Funding Category			Local				\$0	
Work or Fund Category	ENG/ROW/CON		Other					
Total Project Cost								
Local Funding - 1/4 cent capital improvements sales tax			TOTAL	\$0	\$0	\$0	\$0	\$0

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City of Columbia-Streets Financial Summary							
Agency	Source	2017	2018	2019	2020	TOTALS	
City of Columbia	Federal	\$700,000	\$1,852,493	\$350,000	\$700,000	\$3,602,493	
	MoDOT	\$0	\$0	\$0	\$0	\$0	
	Local	\$820,000	\$816,201	\$140,000	\$540,000	\$2,316,201	
	Other	\$0	\$0	\$0	\$0	\$0	
Total		\$1,520,000	\$2,668,694	\$490,000	\$1,240,000	\$5,918,694	

City of Columbia Sidewalk Projects

City of Columbia - Sidewalks		Funding		Fiscal Year				
				2017	2018	2019	2020	TOTALS
Project	Reserved for Additional Project	ENG	Federal					
MoDOT #			MoDOT					
TIP #			Local					\$0
Description:			Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					\$0
Work or Fund Category	ENG/CON		Other					
Total Project Cost								
Funding - CDBG			TOTAL	\$0	\$0	\$0	\$0	\$0

City of Columbia - Sidewalks		Funding		Fiscal Year				
				2017	2018	2019	2020	TOTALS
Project	Nifong-Bethel Sidewalk	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2015-16		Local					
Description:	Sidewalk construction in coordination with development of tract at SW corner of Nifong & Bethel		Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local	\$135,707				\$135,707
Work or Fund Category	CON		Other					
Total Project Cost	\$135,707							
Local funding - Capital Improvement Sales Tax			TOTAL	\$135,707	\$0	\$0	\$0	\$135,707

City of Columbia - Sidewalks		Funding		Fiscal Year				
				2017	2018	2019	2020	TOTALS
Project	Ninth & Elm Pedestrian Scramble	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2017-20		Local					
Description:	Modification of pedestrian crosswalk for new pedestrian scramble phasing, along with new signal equipment.		Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local	\$110,286				\$110,286
Work or Fund Category	CON		Other					
Total Project Cost	\$150,000							
Local funding - Annual Sidewalks			TOTAL	\$110,286	\$0	\$0	\$0	\$110,286

City of Columbia - Sidewalks Financial Summary						
Agency	Source	2017	2018	2019	2020	TOTALS
City of Columbia	Federal					\$0
	MoDOT					\$0
	Local	\$245,993	\$0	\$0	\$0	\$245,993
	Other					\$0
Total		\$245,993	\$0	\$0	\$0	\$245,993

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

City of Columbia-GetAboutColumbia			Funding	Fiscal Year				TOTALS
				2017	2018	2019	2020	
Project	Bike Boulevard, MKT to Bus. Loop 70 and Providence Road	ENG	Federal					
Federal #	CPP-9999 (512), (519)		MoDOT					
TIP #	2013-7		Local					
Description:	Implementation of a bike boulevard connecting the MKT Trail to Business Loop 70, Providence Road, and minor		Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$50,000				\$ 50,000
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	CON		Other					
Total Project Cost	\$600,000							
Includes \$550,000 in previously budgeted funds			TOTAL	\$50,000	\$0	\$0	\$0	\$50,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Staff payroll & supplies, office lease & related, current project	ENG	Federal	\$300,000	\$200,000	\$150,000		\$ 650,000
Federal #	CPP-9999 (501)		MoDOT					
TIP #	2009-89		Local					
Description:	Various miscellaneous expenses associated with running office, paying staff		Other					
		ROW	Federal					
			MoDOT					
			Local					
	Other							
Federal Source Agency	FHWA	CON	Federal					
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	ENG		Other					
Total Project Cost	\$650,000							
Includes \$1,000,000 in prior programmed funds.			TOTAL	\$300,000	\$200,000	\$150,000	\$0	\$650,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Street markings, signage, six minor intersections, bicycle	ENG	Federal					
Federal #	CPP-9999 (504), (524)		MoDOT					
TIP #	2009-91		Local					
Description:	Implementation of a variety of projects to improve the existing street system for biking and walking		Other					
		ROW	Federal					
			MoDOT					
			Local					
	Other							
Federal Source Agency	FHWA	CON	Federal	\$50,000	\$30,000			\$ 80,000
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$1,080,000							
Includes \$1,000,000 in prior programmed funds.			TOTAL	\$50,000	\$30,000	\$0	\$0	\$80,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Program Evaluation and Documentation	ENG	Federal	\$50,000				\$ 50,000
Federal #	CPP-9999 (518)		MoDOT					
TIP #	2013-19		Local					
Description:	Evaluating and report experiments and program results to FHWA		Other					
		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal					
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	STUDIES		Other					
Total Project Cost	\$150,000							
Note: Project includes prior programmed funds of \$100,000			TOTAL	\$50,000	\$0	\$0	\$0	\$50,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	County House Trail Phase 2 West	ENG	Federal					
Federal #	CPP-9999 (520)		MoDOT					
TIP #	2013-21		Local					
Description:	Construction of a connection from Rockcreek Drive to County House Trail Phase I terminus		Other					
		ROW	Federal	\$40,000				\$ 40,000
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$650,000				\$ 650,000
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$690,000							
			TOTAL	\$690,000	\$0	\$0	\$0	\$690,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS		
			2017	2018	2019	2020			
Project	Clark Lane and Hinkson Creek Trail Pedway	ENG	Federal					\$ -	
Federal #	CPP-9999 (521)		MoDOT						
TIP #	2013-22		Local						
Description:	Construction of a pedway from Ballenger Lane to Paris Road, north side, including a connection to Conley Road		Other						
		ROW	Federal						
			MoDOT						
			Local						
			Other						
Federal Source Agency	FHWA	CON	Federal	\$1,200,000				\$ 1,200,000	
Federal Funding Category	Non-Motorized		MoDOT						
MoDOT Funding Category			Local						
Work or Fund Category	ENG/CON		Other						
Total Project Cost	\$1,290,000								
Includes prior programmed funds of \$90,000			TOTAL	\$1,200,000	\$0	\$0	\$0	\$1,200,000	

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
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		Other					
		ROW	Federal	\$100,000				\$ 100,000
			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	\$1,740,000	\$0	\$0	\$0	\$1,740,000

GetAboutColumbia Financial Summary						
Agency	Source	2017	2018	2019	2020	TOTALS
City of Columbia	Federal	\$4,080,000	\$230,000	\$150,000	\$0	\$4,460,000
Non-Motorized Pilot Program	MoDOT	\$0	\$0	\$0	\$0	\$0
	Local	\$0	\$0	\$0	\$0	\$0
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$4,080,000	\$230,000	\$150,000	\$0	\$4,460,000

Railroad/Highway Projects

City of Columbia - Railroad/Highway			Funding	Fiscal Year				TOTALS
				2017	2018	2019	2020	
Project	O'Rear Road Crossing	ENG	Federal					
Federal Project #			MoDOT					
TIP #			Local					
Description:			Other					
	Installation of new flashing signals, gates with LED lights, bells, and new signal bungalow	ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$125,000				\$ 125,000
Federal Funding Category			MoDOT					\$ -
MoDOT Funding Category			Local					\$ -
Work or Fund Category			Other					\$ -
Total Project Cost			TOTAL	\$125,000	\$0	\$0	\$0	\$ 125,000

Railroad/Highway Financial Summary						
Agency	Source	2017	2018	2019	2020	TOTALS
City of Columbia	Federal	\$125,000				\$125,000
	MoDOT	\$0				\$0
	Local	\$0				\$0
	Other	\$0				\$0
Total	\$0	\$125,000	\$0	\$0	\$0	\$125,000

Transit Projects

COMO Connect		Funding		Fiscal Year				
				2017	2018	2019	2020	TOTALS
Project	Maintenance of existing operations and facilities &	ENG	Federal					
State #			State					
TIP #	2015-18		Local					
Description:	FY 2017-2020 operating assistance FTA Section 5307		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$ 9,200,000
Federal Funding Category	Section 5307		State	\$15,000	\$15,000	\$15,000	\$15,000	\$ 60,000
State Funding Category	STF		Local	\$2,556,970	\$2,677,531	\$2,800,504	\$2,925,936	\$ 10,960,941
Work or Fund Category			Other					
Total Project Cost	\$19,009,395							
Local Funding - 1/2 cent transportation sales tax, State funding - State Transportation Fund			TOTAL	\$4,871,970	\$4,992,531	\$5,115,504	\$5,240,936	\$20,220,941

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

COMO Connect		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Replacement of six (6) 30' New Flyer transit buses	ENG	Federal					
State #			State					
TIP #	2009-74		Local					
Description:	Replacement equipment for the fixed route fleet, Federal Section 5339		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$2,280,000			\$2,280,000	
Federal Funding Category	Section 5339		State					
State Funding Category			Local	\$570,000			\$570,000	
Work or Fund Category	CON		Other					
Total Project Cost	\$2,850,000							
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$2,850,000	\$0	\$0	\$0	\$2,850,000

Section 5339 funding is pending allocation and further guidance.

COMO Connect		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Replacement of seven (7) 40' New Flyer transit buses	ENG	Federal					
State #			State					
TIP #	2010-15		Local					
Description:	Replacement equipment for the fixed route fleet, Federal Section 5339		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$4,340,000			\$4,340,000	
Federal Funding Category	Section 5339		State					
State Funding Category			Local	\$1,085,000			\$1,085,000	
Work or Fund Category	CON		Other					
Total Project Cost	\$5,425,000							
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$5,425,000	\$0	\$0	\$0	\$5,425,000

Section 5339 funding is pending allocation and further guidance.

COMO Connect		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	New Bus Shelters	ENG	Federal					
State #			State					
TIP #	2009-95		Local					
Description:	Install multiple new bus shelters, concrete pads and necessary sidewalk upgrades, etc. as funding		Other					
Federal Source Agency		FTA	Federal					
Federal Funding Category		Section 5309	State					
State Funding Category			Local					
Work or Fund Category	CON	Other						
Total Project Cost	\$81,471							
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$81,471	\$0	\$0	\$0	\$81,471

Federal funding is from remaining Section 5309 funds pending availability.

COMO Connect		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	New Bus Shelters	ENG	Federal					
State #			State					
TIP #	2016-15		Local					
Description:	Install multiple new bus shelters, concrete pads and necessary sidewalk upgrades, etc. as funding		Other					
Federal Source Agency		FTA	Federal					
Federal Funding Category		Section 5339	State					
State Funding Category			Local					
Work or Fund Category	CON	Other						
Total Project Cost	\$389,484							
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$389,484	\$0	\$0	\$0	\$389,484

Section 5339 funding is pending allocation and further guidance.

COMO Connect		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
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	\$100,000	\$0	\$0	\$100,000

Section 5339 funding is pending allocation and further guidance.

Alternative Community Training		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
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		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$28,000	\$28,000	\$28,000	\$28,000	\$112,000
Federal Funding Category	Section 5310		State					
State Funding Category			Local	\$7,000	\$7,000	\$7,000	\$7,000	\$28,000
Work or Fund Category	CON		Other					
Total Project Cost	\$140,000							
			TOTAL	\$35,000	\$35,000	\$35,000	\$35,000	\$140,000

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
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 metropolitan planning area		Other					
Federal Source Agency	FTA	ROW	Federal					
Federal Funding Category	Section 5310		State					
State Funding Category			Local					
Work or Fund Category	CON		Other					
Federal Source Agency	FTA	CON	Federal	\$0	\$60,000	\$0	\$60,800	\$120,800
Federal Funding Category	Section 5310		State					
State Funding Category			Local	\$0	\$15,000	\$0	\$15,200	\$30,200
Work or Fund Category	CON		Other					
Total Project Cost								
Other Funding - OATS, Inc.			TOTAL	\$0	\$75,000	\$0	\$76,000	\$151,000

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Purchase of two lift-equipped vehicles for employment transportation (Sec. 5310)	ENG	Federal					
State #			State					
TIP #	2017-24		Local					
Description:	Purchase of a total of two (2) lift-equipped vehicles to provide service in CATSO metropolitan planning area		Other					
Federal Source Agency	FTA	ROW	Federal					
Federal Funding Category	Section 5310		State					
State Funding Category			Local					
Work or Fund Category	CON		Other					
Federal Source Agency	FTA	CON	Federal	\$59,000	\$0	\$0	\$0	\$59,000
Federal Funding Category	Section 5310		State					
State Funding Category			Local	\$14,900	\$0	\$0	\$0	\$14,900
Work or Fund Category	CON		Other					
Total Project Cost								
Other Funding - OATS, Inc.			TOTAL	\$73,900	\$0	\$0	\$0	\$73,900

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	JARC funding for employment transportation	ENG	Federal					
State #			State					
TIP #	2017-25		Local					
Description:	JARC-Small Urban Section 5316 funding for employment transportation		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$91,000	\$0	\$0	\$0	\$91,000
Federal Funding Category	Section 5316		State					
State Funding Category			Local	\$91,000	\$0	\$0	\$0	\$91,000
Work or Fund Category	CON		Other					
Total Project Cost								
Other Funding - OATS, Inc.			TOTAL	\$182,000	\$0	\$0	\$0	\$182,000

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

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2017	2018	2019	2020		
Project	Funding for general public transportation in rural Boone	ENG	Federal					
State #			State					
TIP #	2015-22		Local					
Description:	Section 5311 funding for general public transportation in rural Boone County, all service operates from base		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$50,000	\$55,000	\$58,000	\$60,000	\$223,000
Federal Funding Category	Section 5311		State	\$2,000	\$2,000	\$2,000	\$2,000	\$8,000
State Funding Category			Local	\$52,000	\$57,000	\$60,000	\$62,000	\$231,000
Work or Fund Category	CON		Other					\$0
Total Project Cost	\$336,000							
Other Funding - OATS, Inc.			TOTAL	\$104,000	\$114,000	\$120,000	\$124,000	\$462,000

Transit Financial Summary						
Agencies	Source	2017	2018	2019	2020	TOTALS
COMO Connect; OATS, Inc.; ACT	Federal	\$9,565,764	\$2,623,000	\$2,486,000	\$2,548,800	\$17,223,564
	State	\$17,000	\$17,000	\$17,000	\$17,000	\$68,000
	Local	\$4,571,061	\$2,876,531	\$2,967,504	\$3,110,136	\$13,525,232
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$14,153,825	\$5,516,531	\$5,470,504	\$5,675,936	\$30,816,796

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

Note: Total Federal funding by category is as follows:

Section 5307 Operating	\$9,200,000
Section 5309 Capital	\$65,177
Section 5339 Capital	\$7,011,587
Section 5310	\$691,800
Section 5311	\$223,000
Section 5316 JARC	\$182,000
Total	\$17,373,564