

Columbia Area Transportation Study Organization

TRANSPORTATION IMPROVEMENT PROGRAM

FY 2016-2019

CATSO
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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 2016-2019 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 2016-2019 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 2016), and the current STIP of the Missouri Department of Transportation (FY 2016-2020).

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) and 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 Committees for discussion and modification. If timing allows, the Technical Committee will review and make recommendation to the Coordinating Committee. A majority of the quorum in attendance is required to approve said amendment.
- e. If the proposed amendment is approved by the Coordinating Committee, the approved project is forwarded to MoDOT with a request that the STIP be amended to reflect the MPO amendment modification. MoDOT will then forward the STIP amendment request to the Governor for his or her signature, and then to the FHWA Missouri Division and FTA Region VII (ONE DOT) for their approval.
- f. ONE DOT approval and its formal documentation of the STIP amendment to add requested projects to the TIP must occur prior to letting of the project. The approved project may then proceed after proper notifications of MoDOT and the appropriate federal agency having jurisdiction over the project.

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

PUBLIC PARTICIPATION PLAN

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

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

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, 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.

Environmental Justice Information. MPO staff will perform an environmental justice review of the TIP to ensure that programmed transportation investments are proportionate to geographic areas and service needs for protected populations.

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 2016-2019 Transportation Improvement Program. 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 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 2016-2019 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 2015-2018 TIP PROJECTS

Project

Status

MoDOT	
2010-21: (5I2172) Interstate 70 bridge improvement	Construction
2010-22: (5I2176) Interstate 70 pavement improvements	FY 16 construction
2010-25: (5S2182) Route E bridge improvements	Complete
2012-9: Route UU Bridge improvement	Complete
2013-17: (5S3033) Payment to City – College Ave. ped barrier	Construction
2015-1: Route 63 Pavement Improvements	FY 16 Construction
2015-2: (5S3089) OR 63 Bridge Improvements – Gans Creek	FY 16 Construction
2015-3: (5S3090) OR 63 Bridge Improvements – Bonne Femme	FY 16 Construction
2015-4: (5S3077) Route PP Pavement Improvements	Construction
2015-5: (5I3001) I-70 Pavement improvements	FY 17 Construction
2015-6: (5P3003) Guard cable and guardrail repair	Construction
2015-7: (5S3092) Payment to City of Columbia - Old 63/740	FY 16 Payment
2015-24: (5S2182B) Route E Bridge improvements	FY 16 Construction

Project

Status

Boone County	
2009-10: Waco Road - Highway 63 to City Limits	FY 16
2012-12: Rustic Road Bridge replacement	Construction

City of Columbia- Streets	
2009-27: Burnham/Rollins/Providence Intersection Upgrade	Ongoing
2013-37: Scott Boulevard Phase III: Vawter School Rd. to Rt. KK	FY 16
2013-38: Keene Street Pavement Improvements	Complete
2013-39: Broadway Pavement Improvements	FY 16
2013-42: Stadium & Old 63 Intersection improvements	FY 16 construction

City of Columbia- Sidewalks	
2013-6: Worley Street Sidewalk, Clinkscales to Bernadette	Complete
2015-12: North Garth Avenue Sidewalk	Preliminary Design
2015-13: Elleta Boulevard Sidewalk	Preliminary Design
2015-14: Locust Street Sidewalk	Ongoing
2015-15: Worley & Clinkscales intersection improvements	Preliminary Design
2015-16: Nifong-Bethel Sidewalk	Preliminary Design
2015-17: Avenue of the Columns (Eighth Street)	Preliminary Design

Transit- COMO Connect	
2015-18: Maintenance of existing operations & facilities	Ongoing
2009-69: One 35' transit bus	Canceled
2009-74: Replacement of five (6) 40' New Flyer transit buses	Rollover
2009-95: Ten Bus Shelters	Ongoing
2009-96: CT System: ten (10) Bus Benches	Canceled
2010-15: Replacement of seven (7) 40' New Flyer transit buses	Rollover
2010-17: CT System; Bus Priority System, Traffic Signal Control	FY 2018
Transit- OATS, Inc.	
2015-21: JARC funding for employment transportation	Complete – FY 2015.
2015-22: Funding for general public transport in rural Boone Co.	Complete – FY 2015.
2010-19: Intelligent Transportation System (ITS)	Complete
2012-16: Purchase of office and shop equipment	Dropped
2015-19: Purchase of four lift-equipped vehicles	Complete
2015-20: Purchase of two (2) mini-vans	Complete
Transit- Alternative Community Training ACT, Inc.	
2015-23: Purchase of two lift-equipped mini-vans	Grant & vehicles received

STP Enhancement - MoDOT/City of Columbia	
2013-17: College Avenue Pedestrian Median and Crosswalks – Project STP 2100(522)	Construction phase
2013-18: Garth Avenue Sidewalk and Median/Crosswalk – Project STP 2100(523)	Complete

Safe Routes to School - PedNet Coalition¹	
2013-24: SRTS workshops/underserved schools	Complete in FY 16
2013-25: Safe Routes to bus stops pilot program	Complete in FY 16
2013-27: Middle School Bike Brigades	Complete in FY 16

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	Construction Phase
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	Final Design
2013-8: Ashland Road Sidewalk	Complete
2013-9: Fairview Road Sidewalk	Complete
2013-10: Manor Drive Sidewalk	Final Design
2013-11: Forum Blvd. Ped Bridge	Final Design
2013-19: Program Evaluation & Documentation	Ongoing
2013-20: Bike Boulevard, Wabash to Hominy	Construction
2013-21: County House Trail Phase 2 West	Preliminary Design
2013-22: Clark Lane & Hinkson Creek Trail Pedway	*Preliminary Design
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 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, and on the annual allocation of federal Surface Transportation Program (STP) funding received by the City of Columbia. 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 STP Sub-allocated, On-System Bridge (BRM), Off-System Bridge (BRO) and Non-Motorized Pilot Program (GetAbout Columbia).

Table 1 – Anticipated Federal Funding FY 2016 through FY 2019

Anticipated Federal Funds	FY 2016	FY 2017	FY 2018	FY 2019	Total
<i>FHWA Revenues</i>					
STP-Sub allocated	\$2,234,000	\$369,362	\$369,362	\$396,362	\$3,369,086
BRO – Boone County	\$0	\$0	\$0	\$0	\$0
BRM – City	\$0	\$0	\$0	\$0	\$0
SRTS	\$75,000	\$0	\$0	\$0	\$75,000
Non-Motorized Project	\$6,530,000	\$1,890,000	\$150,000	\$0	\$8,570,000
STP Enhancement/Trans Alt.	\$0	\$0	\$0	\$0	\$0
MoDOT STP	\$60,000	\$11,996,000	\$12,008,000	\$4,738,000	\$28,802,000
MoDOT Bridge	\$0	\$0	\$0	\$0	\$0
MoDOT NHPP	\$3,751,000	\$6,196,000			\$9,947,000
MoDOT HSIP	\$18,000	\$0	\$0	\$0	\$18,000
<i>FHWA Sub-Total</i>	\$12,668,000	\$20,451,362	\$12,527,362	\$5,134,362	\$50,781,086
<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	\$2,591,587	\$4,340,000	\$80,000	\$0	\$7,011,587
FTA Section 5310	\$139,054	\$0	\$0	\$0	\$139,054
FTA Section 5311	\$207,760	\$40,000	\$40,000	\$40,000	\$327,760
FTA Section 5316	\$0	\$101,500	\$101,592	\$0	\$203,092
<i>FTA Sub-Total</i>	\$5,303,578	\$6,781,500	\$2,521,592	\$2,340,000	\$16,946,670
<i>Federal Totals</i>					
	\$17,971,578	\$27,232,862	\$15,048,954	\$7,474,362	\$67,727,756

State Revenue

MoDOT’s principal sources of state revenue for road maintenance are motor vehicle fuel taxes, licenses and fees and one-half of motor vehicle sales tax. 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	2016	2017	2018	2019	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 3 below.

The City of Columbia has a dedicated half-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 quarter-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.

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.

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 sales tax and dedicated property tax, an annual inflation factor of 2% was generally employed. The same inflation factor 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 2016-2019 budget period, or in the case of the City of Columbia gasoline tax receipts, projected to be .95 of the previous year's annual amount.

Table 3 - Selected Local Taxes 2016 Through 2019

Anticipated Local Revenue	2016	2017	2018	2019	Total
Boone County ½ cent sales tax	\$3,744,507	\$3,819,397	\$3,895,785	\$3,973,700	\$15,433,389
Boone County dedicated property tax	\$396,794	\$404,730	\$412,825	\$421,081	\$1,635,430
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	\$1,915,419	\$1,953,727	\$1,992,802	\$2,032,658	\$7,894,606
City of Columbia ½ cent sales tax	\$11,360,213	\$11,587,417	\$11,819,165	\$12,055,548	\$46,822,343
City of Columbia 1/4 cent sales tax	\$5,680,044	\$5,793,645	\$5,909,518	\$6,027,708	\$23,410,915
Gasoline Tax (City)	\$2,647,342	\$2,514,975	\$2,389,226	\$2,269,765	\$9,821,308
Motor Vehicle Tax (City)	\$1,180,660	\$1,180,660	\$1,180,660	\$1,180,660	\$4,722,640
Public Improvement Fund/Dev. Fees	\$2,323,902	\$2,347,141	\$2,370,612	\$2,394,319	\$9,435,974
City CDBG Revenue	\$525,426	\$59,433	\$0	\$0	\$584,859
TOTALS	\$30,291,582	\$30,178,400	\$30,487,868	\$30,872,714	\$121,830,564

Table 4 - Summary of Forecasted Federal, State & Local Revenue 2016 Through 2019

Anticipated Revenue Source	2016	2017	2018	2019	Total
Federal	\$17,971,578	\$27,232,862	\$15,048,954	\$7,474,362	\$67,727,756
State (MoDOT)	\$10,417,000	\$6,059,000	\$4,304,000	\$3,181,000	\$23,961,000
Boone County	\$4,658,576	\$4,741,402	\$4,825,885	\$4,912,056	\$19,137,919
City of Columbia	\$25,633,006	\$25,436,998	\$25,661,983	\$25,960,658	\$102,692,645
TOTALS	\$58,680,160	\$63,470,262	\$49,840,822	\$41,528,076	\$213,519,320

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 2016-2020 STIP for more information.

OPERATIONS AND MAINTENANCE

MoDOT :

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. In fiscal year 2016, MoDOT is budgeting \$535,140,000 in maintenance expenditures that would grow to \$554,874,000 in fiscal year 2020.

This makes MoDOT's cost \$6,913 per lane mile.

Calculations are \$535,140,000 / 77,409 lane miles of roadway.

Assumptions:

Maintenance Operations \$485,578,000 *
Fleet Investments \$ 22,362,000 *
Facility Investments \$ 7,200,000 *
IS Investments \$ 20,000,000 *
Total \$535,140,000
Lane miles 77,409 **

*Source: FY 2016 Budget Request (5-6-15)

** Source: Official 2014 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*	2016	2017	2018	2019	Total
State System MoDOT	171	\$6,913	\$1,182,123	\$1,217,587	\$1,254,114	\$1,291,738	\$4,945,562
Boone County	39	\$6,244	\$243,516	\$250,821	\$258,346	\$266,097	\$1,018,780
City of Columbia	150.6	\$8,439	\$1,270,913	\$1,309,041	\$1,348,312	\$1,388,761	\$5,317,028
TOTAL	360.6	–	\$2,696,552	\$2,777,449	\$2,860,772	\$2,946,596	\$11,281,369

* - Base cost per mile for FY 2016 is in 2015 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. Maintenance and operations costs for all roadways within the CATSO jurisdiction are discussed at the end of this section. The \$6,913 maintenance cost per lane mile is an updated cost figure for the MoDOT system for 2015. Additional cost per mile maintenance figures for City of Columbia and Boone County roadways are also displayed. These figures were revised based on previous document numbers and an inflation factor applied. For the MPA roadways that are not part of the federal-aid system, the maintenance cost per centerline mile is lower due to a 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 575 miles of roadway, while Boone County maintains 302 miles of roadway within the CATSO MPA. For example, the anticipated total street maintenance budget for Columbia for FY 2016 is \$9,704,850, which divided by the roadway miles gives a lane mile cost of \$8,439.

The City of Columbia and Boone County half-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	2016	2017	2018	2019	Total
Total Estimated Revenue	\$25,633,006	\$25,436,998	\$25,661,983	\$25,960,658	\$102,692,645
Estimated Operations & Maintenance Costs	\$9,704,850	\$9,996,996	\$10,295,875	\$10,604,752	\$40,601,472
Funds Available for Capital Projects	\$15,928,156	\$15,440,002	\$15,366,108	\$15,355,906	\$62,090,172
Local Share of TIP Projects with Federal Funds	\$69,400	\$449,718	\$0	\$0	\$519,118
Funds Available* for Local Projects	\$15,858,756	\$14,990,284	\$15,366,108	\$15,355,906	\$61,571,054

* 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	2016	2017	2018	2019	Total
Total Estimated Revenue (CATSO MPA only)	\$4,641,992	\$4,724,781	\$4,809,226	\$4,895,360	\$19,071,359
Estimated Operations & Maintenance Costs	\$3,771,376	\$3,884,517	\$4,001,053	\$4,121,084	\$15,778,030
Funds Available for Capital Projects	\$870,615	\$840,264	\$808,173	\$774,276	\$3,293,328
Local Share of TIP Projects with Federal Funds	\$0	\$0	\$0	\$0	\$0
Funds Available* for Local Projects	\$870,615	\$840,264	\$808,173	\$774,276	\$3,293,328

* 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 repairing/replacing damaged bus shelters, weed control, and trash pickup. Facility maintenance expenses include routine replacement of various parts in the bus washing facility. Fuel for fleet operations is a major expense.

Table 8 – Estimated Expenditures for Transit Operations and Maintenance

Activity	2016	2017	2018	2019	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	\$2,325,942	\$2,367,161	\$2,409,204	\$2,707,088	\$9,809,395
TOTAL	\$4,625,942	\$4,667,161	\$4,709,204	\$5,007,088	\$19,009,395

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 2016-2019 TIP includes a total of \$107,787,893 in capital projects, with \$63,728,763 in federal funds, \$16,041,000 in state funds, and \$28,018,130 in local funding applied to those projects. Total anticipated revenue available for transportation purposes over the four year TIP period is approximately \$67,727,756 in federal dollars, \$23,961,000 in state funds and \$121,830,564 in local funds. This is a total of \$213,519,320.

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 \$7,586,670 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 \$40,602,473 in streets and sidewalks O & M is projected to be programmed over the four-year TIP period.

And a total of \$9,749,395 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 \$19,009,395. 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 \$15,778,030 is projected to be programmed for streets O & M in the Columbia MPA.

For MoDOT, a total of \$7,920,000 in revenue is projected to be available for O & M, with all of this revenue expected to be programmed for O & M for their roadway system in the Columbia MPA.

Total maintenance costs anticipated among all jurisdictions are \$64,300,503. As noted, this does not include transit O & M costs, which are included in the capital cost totals. Nor does it include 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 \$172,088,396 in costs is anticipated. The anticipated revenue of \$213,519,320 is adequate to fund those projected costs. Additional projected revenue not shown as programmed in the FY 2016-2019 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		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Interstate 70 Pavement Improvements	ENG	Federal	\$154,000						\$154,000
MoDOT #	5I2176		State	\$18,000						\$18,000
TIP #	2010-22		Local							
Description:	Pavement improvements on EB and WB lanes from the Lake of the Woods interchange to Cedar Creek, 5.72 miles	ROW	State (AC)							
			Federal							
			State							
Federal Source Agency	FHWA	CON	Federal	\$2,040,000						\$2,040,000
Federal Funding Category	NHPP		State	\$227,000						\$227,000
MoDOT Funding Category	Statewide Interstate & Major Bridge		Local							
Work or Fund Category	ENG/CON		State (AC)							
Total Project Cost	\$2,542,000									
State Funding - MoDOT; Total Project Cost includes \$103,000 in prior programming										
				TOTAL	\$2,285,000	\$0	\$0	\$0	\$0	\$2,439,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Route 63 - Pavement Improvements	ENG	Federal							
MoDOT #	5P3010B		State	\$81,000						\$81,000
TIP #	2015-1		Local							
Description:	Pavement improvements from Route WW to Route 763 in Columbia. Project includes portions of Routes AC, WW, 63 Connector, PP and 763. 10.27 miles.	ROW	State (AC)	\$328,000						\$328,000
			Federal							
			State							
Federal Source Agency	FHWA	CON	Local							
Federal Funding Category	NHPP		Other							
MoDOT Funding Category	Taking Care of System		Federal							
Work or Fund Category	ENG/CON		State	\$1,085,000						\$1,085,000
Total Project Cost	\$5,856,000		Local							
Total cost includes prior programming of \$22,000.										
				TOTAL	\$5,834,000	\$0	\$0	\$0	\$0	\$5,834,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	OR 63 - Bridge Improvements	ENG	Federal	\$117,000						\$117,000
MoDOT #	5S3089		State	\$29,000						\$29,000
TIP #	2015-2		Local							
Description:	Bridge improvements over Gans Creek. \$131,000 Boone Cty. (BRO) soft match credit and \$523,000 Boone Cty off-system (BRO) funds. Project involves bridge G0739. 0.05 mile.	ROW	State (AC)							
			Federal	\$8,000						\$8,000
			State	\$2,000						\$2,000
Federal Source Agency	FHWA	CON	Local							
Federal Funding Category	NHPP		Other							
MoDOT Funding Category	Taking Care of System		Federal	\$523,000						\$523,000
Work or Fund Category	ENG/CON/ROW		State	\$131,000						\$131,000
Total Project Cost	\$838,000		Local							
Total cost includes prior programming of \$28,000.										
				TOTAL	\$810,000	\$0	\$0	\$0	\$0	\$810,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	OR 63 - Bridge improvements	ENG	Federal	\$117,000						\$117,000
MoDOT #	5S3090		State	\$29,000						\$29,000
TIP #	2015-3		Local							
Description:	Bridge improvements over Bonne Femme Creek. Project involves bridge G0740, 0.06 mile.	ROW	State (AC)							
			Federal	\$8,000						\$8,000
			State	\$2,000						\$2,000
			Local							
Federal Source Agency	FHWA	CON	Other							
Federal Funding Category	NHPP		Federal	\$529,000					\$529,000	
MoDOT Funding Category	Taking Care of the System		State	\$132,000					\$132,000	
Work or Fund Category	ENG/CON/ROW		Local							
Total Project Cost	\$848,000		State (AC)							
Total cost includes prior programming of \$31,000.				TOTAL	\$817,000	\$0	\$0	\$0	\$0	\$817,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Pavement improvements on I-70.	ENG	Federal	\$18,000	\$407,000					\$425,000
MoDOT #	5I3001		State	\$2,000	\$45,000					\$47,000
TIP #	2015-5		Local							
Description:	Pavement improvements on the EB and WB lanes from the Missouri River to near the St. Charles interchange, 16.0 miles.	ROW	State (AC)							
			Federal							
			State							
			Local							
Federal Source Agency	FHWA	CON	Other							
Federal Funding Category	NHPP		Federal		\$5,789,000				\$5,789,000	
MoDOT Funding Category	ENG/CON		State		\$643,000				\$643,000	
Work or Fund Category	Statewide Interstate and Major Bridge		Local							
Total Project Cost	\$6,954,000		State (AC)							
Total Project Cost includes prior programming of \$50,000.				TOTAL	\$20,000	\$6,884,000	\$0	\$0	\$0	\$6,904,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Route E - Bridge Painting	ENG	Federal	\$27,000						\$27,000
MoDOT #	5S2182B		State	\$7,000						\$7,000
TIP #	2015-24		Local							
Description:	Bridge painting from 0.1 mile north of Perche Creek to 0.5 mile north of the Columbia city limits. Project involves bridges A0557 over Perche Creek and A0558 over Rocky Fork Creek.	ROW	State (AC)							
			Federal							
			State							
			Local							
Federal Source Agency	FHWA	CON	State (AC)							
Federal Funding Category	NHPP		Federal	\$210,000					\$210,000	
MoDOT Funding Category	Taking Care of System		State	\$52,000					\$52,000	
Work or Fund Category	ENG/CON		Local							
Total Project Cost	\$298,000		State (AC)							
Total Project Cost includes prior programming of \$2,000				TOTAL	\$296,000	\$0				\$296,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Rte. PP - Payment to City of Columbia	ENG	Federal							
MoDOT #	5P3010F		State							
TIP #	2016-1	ROW	Local							
Description:	Payment to Columbia for pavement improvements from 0.1 mile east of the Rte. 63 Connector to 0.2 mile west of Ballenger Lane. Total of 1.02 miles.		State (AC)							
Federal Source Agency	FHWA	CON	Federal							
Federal Funding Category	State		State	\$366,000						\$366,000
MoDOT Funding Category	Taking Care of System	CON	Local							
Work or Fund Category	ENG/FFOS/Payments		Other							
Total Project Cost	\$366,000		State (AC)							
				TOTAL	\$366,000	\$0	\$0	\$0	\$0	\$366,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	I-70 - Pavement repair	ENG	Federal							
MoDOT #	0I3002I		State	\$1,000						\$1,000
TIP #	2016-2	ROW	Local							
Description:	Job Order Contracting for pavement repair in Cooper, Boone, and Callaway Counties.		State (AC)	\$4,000						\$4,000
Federal Source Agency	FHWA	CON	Federal							
Federal Funding Category	NHPP		State	\$25,000						\$25,000
MoDOT Funding Category	Statewide Interstate and Major Bridge	CON	Local							
Work or Fund Category	ENG/CON		State (AC)	\$225,000						\$225,000
Total Project Cost	\$255,000									
				TOTAL	\$255,000	\$0	\$0	\$0	\$0	\$255,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Various Enhancements	ENG	Federal							
MoDOT #	0P3011F		State							
TIP #	2016-3	ROW	Local							
Description:	Enhancement projects at various primary locations in the Central District. \$1,345,000 Statewide Transportation Enhancement Funds.		State (AC)							
Federal Source Agency	FHWA	CON	Federal		\$1,108,000					\$1,108,000
Federal Funding Category	STP		State		\$277,000					\$277,000
MoDOT Funding Category	Taking Care of the System	CON	Local							
Work or Fund Category	CON		State (AC)							
Total Project Cost	\$1,390,000									
Total Project Cost includes prior programming of \$5,000. A portion of this project will occur within the CATSO MPA.				TOTAL	\$0	\$1,385,000	\$0	\$0	\$0	\$1,385,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Various - Pavement and Bridge Improvements	ENG	Federal	\$40,000	\$413,000					\$453,000
			State	\$10,000	\$103,000					\$113,000
MoDOT #	5L1700		Local							
TIP #	2016-4		State (AC)							
Description:	Pavement and bridge improvements on various primary routes in the Central District.	ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal		\$6,180,000					\$6,180,000
Federal Funding Category	STP		State		\$1,545,000					\$1,545,000
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/CON		State (AC)							
Total Project Cost	\$8,295,000									
Total Project Cost includes prior programming of \$4,000.										
				TOTAL	\$50,000	\$8,241,000	\$0	\$0		\$8,291,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Guard cable and guardrail repair	ENG	Federal							
			State	\$7,000						\$7,000
MoDOT #	5P3101		Local							
TIP #	2016-5		State (AC)	\$29,000						\$29,000
Description:	Job order contracting for guard cable and guardrail repair at various locations in the northern portion of the Central District.	ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal							
Federal Funding Category	STP		State	\$102,000						\$102,000
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/CON		State (AC)	\$408,000						\$408,000
Total Project Cost	\$546,000									
				TOTAL	\$546,000	\$0	\$0	\$0		\$546,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Various - Pavement and Bridge Improvements	ENG	Federal	\$8,000	\$302,000					\$310,000
			State	\$2,000	\$76,000					\$78,000
MoDOT #	5S3042		Local							
TIP #	2016-6		State (AC)							
Description:	Pavement and bridge improvements on various primary routes in the Central District.	ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal		\$3,939,000					\$3,939,000
Federal Funding Category	STP		State		\$985,000					\$985,000
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/CON		State (AC)							
Total Project Cost	\$5,314,000									
Total Project Cost includes prior programming of \$2,000.										
				TOTAL	\$10,000	\$5,302,000	\$0	\$0		\$5,312,000

MoDOT

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Various - Pavement and Bridge Improvements	ENG	Federal				\$54,000	\$709,000		\$763,000
			State	\$1,000	\$13,000	\$177,000				\$191,000
MoDOT #	5S3043		Local							
TIP #	2016-7		State (AC)							
Description:	Pavement and bridge improvements on various primary routes in the Central District.	ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal				\$8,488,000		\$8,488,000	
Federal Funding Category	STP		State				\$2,121,000		\$2,121,000	
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/CON		State (AC)							
Total Project Cost	\$11,565,000									
Total Project Cost includes prior programming of \$2,000.										
					TOTAL	\$1,000	\$67,000	\$11,495,000	\$0	\$11,563,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	Various - Pavement and Bridge Improvements	ENG	Federal					\$27,000	\$355,000	\$382,000
			State	\$1,000	\$1,000	\$6,000		\$88,000		\$96,000
MoDOT #	5S3043B		Local							
TIP #	2016-8		State (AC)							
Description:	Pavement and bridge improvements on various primary routes in the Central District.	ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	FHWA	CON	Federal					\$4,371,000	\$4,371,000	
Federal Funding Category	STP		State				\$1,093,000		\$1,093,000	
MoDOT Funding Category	Taking Care of the System		Local							
Work or Fund Category	ENG/CON		State (AC)							
Total Project Cost	\$5,942,000									
					TOTAL	\$1,000	\$1,000	\$33,000	\$5,907,000	\$5,942,000

County: Boone		MoDOT		Funding		MPO Fiscal Year				
						2016	2017	2018	2019	TOTALS
Project	MO 740 - Payment to City of Columbia	ENG	Federal							
			State	\$7,000						\$7,000
MoDOT #	5S3092		Local							
TIP #	2015-7		State (AC)							
Description:	Payment to City of Columbia for intersection and ADA improvements at the intersection of Old Rte. 63 in Columbia. \$496,050 Cost Share.	ROW	Federal							
			State							
			Local							
			Other							
Federal Source Agency	State	PAYMENT	Federal							
Federal Funding Category	Major Projects and Emerging Needs		State	\$702,000					\$702,000	
MoDOT Funding Category	ENG/FFOS/Payments		Local							
Work or Fund Category			State (AC)							
Total Project Cost	\$717,000									
Total Project Cost includes prior programming of \$8,000.										
					TOTAL	\$709,000	\$0	\$0	\$0	\$709,000

County: Boone		MoDOT		MPO Fiscal Year				
		Funding	2016	2017	2018	2019	TOTALS	
Project	Various - Work Zone Enforcement	ENG	Federal					
MoDOT #			5P3103	State				
TIP #	2016-9		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	Other					
Federal Funding Category	Safety		Federal	\$18,000			\$18,000	
MoDOT Funding Category	Safety		State	\$2,000			\$2,000	
Work or Fund Category	ENG/FFOS/Payments		Local					
Total Project Cost	\$20,000	State (AC)						
			TOTAL	\$20,000	\$0	\$0	\$0	\$20,000

MoDOT Financial Summary					
Source	2016	2017	2018	2019	TOTALS
Federal	\$3,817,000	\$18,192,000	\$9,224,000	\$4,726,000	\$35,959,000
State	\$3,023,000	\$3,688,000	\$2,304,000	\$1,181,000	\$10,196,000
Local	\$0	\$0	\$0	\$0	\$0
State (AC)	\$5,334,000	\$0	\$0	\$0	\$5,334,000
Total	\$12,174,000	\$21,880,000	\$11,528,000	\$5,907,000	\$51,489,000

Note 1: For AC Conversion Year information for applicable projects, please reference Appendix F

Note 2: Also for applicable projects, please reference the FY 2016-2020 STIP document available at the below link:

http://www.modot.org/plansandprojects/construction_program/STIP2016-2020/index.htm

County: Boone		MoDOT Scoping		Funding	MPO Fiscal Year				TOTALS		
					2016	2017	2018	2019			
Project	State system bridge inspection program	MoDOT #	TIP #	Description:	Federal	\$8,000	\$8,000	\$8,000	\$8,000	\$32,000	
					State	\$2,000	\$2,000	\$2,000	\$2,000	\$8,000	
					Local						
					State (AC)						
	State system bridge inspection program	Federal Source Agency	Federal Funding Category	MoDOT Funding Category	Work or Fund Category	Federal					
						State					
						Local					
						Other					
		Total Project Cost				Federal					
						State					
						Local					
						Other					
						TOTAL	\$10,000	\$10,000	\$10,000	\$10,000	\$40,000

County: Boone		MoDOT Scoping		Funding	MPO Fiscal Year				TOTALS		
					2016	2017	2018	2019			
Project	Non-state system bridge inspection program	MoDOT #	TIP #	Description:	Federal	\$4,000	\$4,000	\$4,000	\$4,000	\$16,000	
					State	\$1,000	\$1,000	\$1,000	\$1,000	\$4,000	
					Local						
					State (AC)						
	Non-state system bridge inspection program	Federal Source Agency	Federal Funding Category	MoDOT Funding Category	Work or Fund Category	Federal					
						State					
						Local					
						Other					
		Total Project Cost				Federal					
						State					
						Local					
						Other					
						TOTAL	\$5,000	\$5,000	\$5,000	\$5,000	\$20,000

County: Boone		MoDOT Scoping		Funding	MPO Fiscal Year				TOTALS		
					2016	2017	2018	2019			
Project	Various - Scoping for pavement improvements on various primary routes in the Central District	MoDOT #	TIP #	Description:	Federal						
					State	\$4,000				\$4,000	
					Local						
					State (AC)	\$16,000				\$16,000	
	Scoping for pavement improvements on various primary routes in the Central District.	Federal Source Agency	Federal Funding Category	MoDOT Funding Category	Work or Fund Category	Federal					
						State					
						Local					
						Other					
		Total Project Cost				Federal					
						State					
						Local					
						Other					
						TOTAL	\$20,000	\$0	\$0	\$0	\$20,000

Total cost includes prior programming of \$4,000.

County: Boone		MoDOT Scoping		Funding	MPO Fiscal Year				TOTALS	
					2016	2017	2018	2019		
Project	Various - Scoping for pavement improvements on various primary routes in the Central District	MoDOT #	5P3045	ENG	Federal					
					State	\$2,000				\$2,000
					Local					
TIP #	2016-12				State (AC)	\$8,000			\$8,000	
Description:	Scoping for pavement improvements on various primary routes in the Central District.	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						
Total Project Cost	Future cost \$25.001 to \$50 M.									
Total cost includes prior programming of \$4,000.					TOTAL	\$10,000	\$0	\$0	\$0	\$10,000

County: Boone		MoDOT Scoping		Funding	MPO Fiscal Year				TOTALS	
					2016	2017	2018	2019		
Project	Scoping for replacement of median drainage culverts in Cooper, Boone, and Callaway	MoDOT #	513136	ENG	Federal					
					State	\$37,000				\$37,000
					Local					
TIP #	2016-13				State (AC)	\$334,000			\$334,000	
Description:	Scoping for replacement of median drainage culverts in Cooper, Boone, and Callaway Counties	ROW		Federal						
				State						
				Local						
				Other						
Federal Source Agency	FHWA	CON		Federal						
Federal Funding Category	NHPP			State						
MoDOT Funding Category	Taking Care of the System			Local						
Work or Fund Category	ENG			Other						
Total Project Cost	Future cost \$2.001 to \$5 M.									
No prior \$ programmed					TOTAL	\$0	\$371,000	\$0	\$0	\$371,000

MoDOT Scoping Financial Summary						
Source	2016	2017	2018	2019	TOTALS	
Federal	\$12,000	\$12,000	\$12,000	\$12,000	\$48,000	
State	\$22,000	\$40,000	\$3,000	\$3,000	\$68,000	
Local	\$0	\$0	\$0	\$0	\$0	
State (AC)	\$41,000	\$334,000	\$0	\$0	\$375,000	
Total	\$75,000	\$386,000	\$15,000	\$15,000	\$491,000	

Boone County Road Projects

Boone County		Funding		MPO Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Waco Road - Highway 63 to City Limits	ENG	Federal					
MoDOT #			State					
TIP #	2009-10		Local					
Description:	New construction of road and bridge		Other					
		ROW	Federal					
			State					
			Local					
	Other							
Federal Source Agency		CON	Federal					
Federal Funding Category			State					
MoDOT Funding Category			Local	\$3,400,000				\$ 3,400,000
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$3,500,000							
Local Funding - Boone County 1/2 cent sales tax, includes \$100,000 in prior programmed funds for ROW			TOTAL	\$3,400,000	\$0	\$0	\$0	\$ 3,400,000

Boone County Financial Summary						
Agency	Source	2015	2016	2017	2018	TOTALS
Boone County	Federal	\$0	\$0	\$0	\$0	\$0
	State	\$0	\$0	\$0	\$0	\$0
	Local	\$3,400,000	\$0	\$0	\$0	\$3,400,000
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$3,400,000	\$0	\$0	\$0	\$3,400,000

City of Columbia Street Projects

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Stadium & Old 63 Intersection Improvements	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2013-42		Local					
Description:	Reconstruct islands to include landscaping and pedestrian crossings, along with other intersection treatments.		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	Other							
Federal Source Agency		CON	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category	Cost Share		Local	\$762,095			\$762,095	
Work or Fund Category	ENG/ROW/CON		Other					
Total Project Cost	\$1,479,095							
Local Funding - capital improvement sales tax. State funding is through MoDOT cost share program and other sources.			TOTAL	\$762,095	\$0	\$0	\$0	\$762,095

The above project was added as an amendment and formally approved by the CATSO Coordinating Committee on May 22, 2014.
 Note: MoDOT amounts above are shown for demonstration purposes only & not included total budget, as MoDOT share is included in project #2015-7 in MoDOT section.

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Burnam/Rollins/Providence Intersection Upgrade and Study	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2009-27		Local		\$387,323		\$387,323	
Description:	Safety/access study of potential options, plus reconstruction and reconfiguration of the 3-way intersection at Route 163 (Providence)		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	Other							
Federal Source Agency	FHWA	CON	Federal		\$1,852,493		\$1,852,493	
Federal Funding Category	STP		MoDOT					
MoDOT Funding Category			Local		\$62,395		\$62,395	
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 \$897,789 will be needed.			TOTAL	\$0	\$2,302,211	\$0	\$0	\$2,302,211

City of Columbia - Streets		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Discovery Drive South	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2016-14		Local	\$52,000			\$52,000	
Description:	Extension of Discovery Drive south of Discovery Parkway		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	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				TOTALS
			2016	2017	2018	2019	
Project	Scott Boulevard Phase 3 - Vawter School Road to Route KK	ENG	Federal				
MoDOT #			MoDOT				
TIP #	2013-37		Local				
Description:	Reconstruction of this section of Scott Boulevard to minor arterial standard		Other				
		ROW	Federal				
			MoDOT				
			Local				
			Other				
Federal Source Agency		CON	Federal				
Federal Funding Category			MoDOT				
MoDOT Funding Category			Local	\$5,159,758	\$4,450,729		\$9,610,487
Work or Fund Category	CON		Other				
Total Project Cost	\$11,388,587						
Local Funding - 1/4 cent capital improvement sales tax, county road tax rebate. Additional funding of \$1,139,553 will be needed for construction. Includes \$638,547 in prior programming.							
TOTAL			\$5,159,758	\$4,450,729	\$0	\$0	\$9,610,487

City of Columbia - Streets		Funding	Fiscal Year				TOTALS
			2016	2017	2018	2019	
Project	Broadway Pavement Improvements	ENG	Federal	\$7,338			\$7,338
MoDOT #			MoDOT				
TIP #	2013-39		Local	\$1,834			\$1,834
Description:	Pavement improvements with milling and thin lift overlay from Providence Road to Hitt Street, 0.46 mile		Other				
		ROW	Federal				
			MoDOT				
			Local				
			Other				
Federal Source Agency	FHWA	CON	Federal	\$270,262			\$270,262
Federal Funding Category	STP		MoDOT				
MoDOT Funding Category			Local	\$67,566			\$67,566
Work or Fund Category	ENG/ROW/CON		Other				
Total Project Cost	\$347,000						
Local Funding - 1/4 cent capital improvements sales tax							
TOTAL			\$347,000	\$0	\$0	\$0	\$347,000

Project above reflects revision made as part of amendment approved by CATSO on December 5, 2013. This amendment was to include STP funds as 80% of the total cost, with 20% local funding. The total budget was increased by \$120,000. The previous project total was \$227,000, with local funding entirely from City of Columbia.

City of Columbia-Streets Financial Summary						
Agency	Source	2015	2016	2017	2018	TOTALS
City of Columbia	Federal	\$277,600	\$1,852,493	\$0	\$0	\$2,130,093
	MoDOT	\$0	\$0	\$0	\$0	\$0
	Local	\$6,511,253	\$4,900,447	\$0	\$0	\$11,411,700
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$6,788,853	\$6,752,940	\$0	\$0	\$13,541,793

NOTE: MoDOT contribution to Project #2013-42 is shown in budget of Project #2015-7 in MoDOT Construction & Payment section.

May 16, 2013 Amendment added projects 2013-36 through 2013-39.

City of Columbia Sidewalk Projects

City of Columbia - Sidewalks		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	North Garth Sidewalk	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2015-12	ENG	Local	\$20,878			\$20,878	
Description:			Other					
Description:	Construction of a new sidewalk from Sexton Avenue to just north of Worley Street, east side	ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category	MoDOT							
MoDOT Funding Category	Local			\$132,708		\$132,708		
Work or Fund Category	Other							
Total Project Cost	ENG/CON							
	\$153,586							
Local funding - CDBG			TOTAL	\$20,878	\$132,708	\$0	\$0	\$153,586

City of Columbia - Sidewalks		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Elleta Boulevard Sidewalk	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2015-13	ENG	Local	\$8,340			\$8,340	
Description:			Other					
Description:	Construction of a sidewalk on south side of Elleta Boulevard from Rangeline Street (Rt.763) to existing	ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category	MoDOT							
MoDOT Funding Category	Local			\$47,260		\$47,260		
Work or Fund Category	Other							
Total Project Cost	ENG/CON							
	\$55,600							
Local funding - CDBG			TOTAL	\$8,340	\$47,260	\$0	\$0	\$55,600

City of Columbia - Sidewalks		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Locust Street Sidewalk	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2015-14	ENG	Local	\$12,173			\$12,173	
Description:			Other					
Description:	Reconstruction of the existing sidewalk on north side of Locust from Eighth to Ninth Street	ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency		CON	Federal					
Federal Funding Category	MoDOT							
MoDOT Funding Category	Local			\$68,981		\$68,981		
Work or Fund Category	Other							
Total Project Cost	ENG/CON							
	\$81,154							
Funding - CDBG			TOTAL	\$12,173	\$68,981	\$0	\$0	\$81,154

City of Columbia - Sidewalks		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Worley and Clinkscales Intersection Pedestrian Improvements	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2015-15		Local	\$25,350				\$25,350
Description:	Construction of pedestrian signals, replacement of non-compliant ramps and ped signals, and related upgrades: project will connect the two phases of the Worley Street sidewalk project, West to Bernadette		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	Other							
Total Project Cost	\$169,000	CON	Federal					
Local/Other Funding - CDBG			MoDOT					
			Local	\$143,650				\$143,650
			Other					
			TOTAL	\$169,000	\$0	\$0	\$0	\$169,000

City of Columbia - Sidewalks		Funding		Fiscal Year				
				2016	2017	2018	2019	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					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	Other							
Total Project Cost	\$135,707	CON	Federal					
Local funding - Capital Improvement Sales Tax			MoDOT					
			Local	\$135,707				\$135,707
			Other					
			TOTAL	\$0	\$135,707	\$0	\$0	\$135,707

City of Columbia - Sidewalks		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Avenue of the Columns (Eighth Street)	ENG	Federal					
MoDOT #			MoDOT					
TIP #	2015-17		Local	\$98,250				\$98,250
Description:	Reconstruction of Eighth St. sidewalks between Broadway & Walnut (both sides) and Broadway & Cherry (east side)		Other					
Federal Source Agency		ROW	Federal					
Federal Funding Category			MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	Other							
Total Project Cost	\$365,000	CON	Federal					
Local funding - Annual Sidewalks			MoDOT					
			Local	\$556,750				\$556,750
			Other					
			TOTAL	\$98,250	\$556,750	\$0	\$0	\$655,000

City of Columbia - Sidewalks Financial Summary						
Agency	Source	2016	2017	2018	2019	TOTALS
City of Columbia	Federal	\$0	\$0	\$0	\$0	\$0
	MoDOT	\$0	\$0	\$0	\$0	\$0
	Local	\$308,641	\$941,406	\$0	\$0	\$1,250,047
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$308,641	\$941,406	\$0	\$0	\$1,250,047

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

City of Columbia-GetAboutColumbia			Funding	Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Bike Boulevard, MKT to Bus. Loop 70 and Providence Road	ENG	Federal					
Federal #	CPP-9999 (512), (519)		MoDOT					
TIP #	2013-7		Local					
			Other					
Description:	Implementation of a bike boulevard connecting the MKT Trail to Business Loop 70, Providence Road, and minor intersection improvements	ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$550,000				\$ 550,000
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	CON		Other					
Total Project Cost	\$550,000							
			TOTAL	\$550,000	\$0	\$0	\$0	\$550,000

City of Columbia-GetAboutColumbia			Funding	Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Manor Drive Sidewalk	ENG	Federal					
Federal #	CPP-9999 (515)		MoDOT					
TIP #	2013-10		Local					
			Other					
Description:	Construction of a sidewalk along Manor Drive, a neighborhood collector street, from Rollins Road to Broadway	ROW	Federal	\$10,000				\$ 10,000
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$400,000				\$ 400,000
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	CON		Other					
Total Project Cost	\$490,000							
Includes \$80,000 in prior programmed funds.			TOTAL	\$410,000	\$0	\$0	\$0	\$410,000

City of Columbia-GetAboutColumbia			Funding	Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Forum Boulevard Pedestrian Bridge	ENG	Federal					
Federal #	CPP-9999 (516)		MoDOT					
TIP #	2013-11		Local					
			Other					
Description:	Construction of a new pedestrian bridge at the existing Forum Boulevard bridge over Hinkson Creek	ROW	Federal	\$40,000				\$ 40,000
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$1,350,000				\$ 1,350,000
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	CON		Other					
Total Project Cost	\$1,390,000							
			TOTAL	\$1,390,000	\$0	\$0	\$0	\$1,390,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Hominy Trail Phase II: Woodridge Park to Clark Lane	ENG	Federal					
Federal #	CPP-9999 (511)		MoDOT					
TIP #	2009-47		Local					
Description:	Construction of hard surface trail along Hominy Branch Creek from Woodridge Park to Clark Lane		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	ROW/CON		Other					
Total Project Cost	\$1,200,000							
TOTAL				\$1,200,000	\$0	\$0	\$0	\$1,200,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Staff payroll & supplies, office lease & related, current project studies	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	
			2016	2017	2018	2019		
Project	Street markings, signage, six minor intersections, bicycle racks & shelters, contingency	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	\$200,000			\$ 200,000	
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	ENG/CON		Other					
Total Project Cost	\$1,000,000							
Includes \$800,000 in prior programmed funds.								
TOTAL				\$200,000	\$0	\$0	\$0	\$200,000

City of Columbia-GetAboutColumbia			Funding	Fiscal Year				TOTALS
				2016	2017	2018	2019	
Project	Program Evaluation and Documentation	ENG	Federal	\$100,000	\$50,000			\$ 150,000
Federal #	CPP-9999 (518)		MoDOT					
TIP #	2013-19		Local					
Description:	Evaluating and report experiments and program results to FHWA	ROW	Other					
			Federal					
			MoDOT					
Federal Source Agency	FHWA	CON	Local					
			Other					
			Federal					
Federal Funding Category	Non-Motorized		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	STUDIES		Other					
Total Project Cost	\$150,000							
Note: Project is ongoing through FY 2017, using previously programmed funds as well			TOTAL	\$100,000	\$50,000	\$0	\$0	\$150,000

City of Columbia-GetAboutColumbia			Funding	Fiscal Year				TOTALS
				2016	2017	2018	2019	
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	ROW	Other					
			Federal	\$40,000				\$ 40,000
			MoDOT					
Federal Source Agency	FHWA	CON	Local					
			Other					
			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
				2016	2017	2018	2019	
Project	Clark Lane and Hinkson Creek Trail Pedway	ENG	Federal	\$90,000				\$ 90,000
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	ROW	Other					
			Federal					
			MoDOT					
Federal Source Agency	FHWA	CON	Local					
			Other					
			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							
			TOTAL	\$1,290,000	\$0	\$0	\$0	\$1,290,000

City of Columbia-GetAboutColumbia		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Shepard Boulevard to Rollins Street Trail Connection	ENG	Federal	\$300,000				\$ 300,000
Federal #	CPP-9999 (523)		MoDOT					
TIP #	2013-23		Local					
			Other					
Description:	Construction of a shared use trail from the east terminus of Rollins Street across Hinkson Creek to connect to Old 63 and the Shepard Boulevard neighborhood	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	\$1,940,000							
TOTAL				\$400,000	\$1,640,000	\$0	\$0	\$2,040,000

GetAboutColumbia Financial Summary						
Agency	Source	2016	2017	2018	2019	TOTALS
City of Columbia	Federal	\$6,530,000	\$1,890,000	\$150,000	\$0	\$8,570,000
Non-Motorized Pilot Program	MoDOT	\$0	\$0	\$0	\$0	\$0
	Local	\$0	\$0	\$0	\$0	\$0
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$6,530,000	\$1,890,000	\$150,000	\$0	\$8,570,000

Railroad/Highway Projects

City of Columbia - Railroad/Highway		Funding	Fiscal Year				TOTALS
			2016	2017	2018	2019	
Project		Federal					\$ -
Federal Project #		MoDOT					\$ -
TIP #		Local					\$ -
Description:		Other					\$ -
		Federal					\$ -
		MoDOT					\$ -
		Local					\$ -
		Other					\$ -
Federal Source Agency		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	2016	2017	2018	2019	TOTALS
City of Columbia	Federal	\$0				\$0
	MoDOT	\$0				\$0
	Local	\$0				\$0
	Other	\$0				\$0
Total		\$0	\$0	\$0	\$0	\$0

There are no Railroad/Highway projects for FY 2016 or out years.

City of Columbia STP Transportation Alternatives Projects

City of Columbia - Alternatives			Funding					Fiscal Year				
								2015	2016	2017	2018	TOTALS
Project		ENG	Federal									
Federal Project #			MoDOT									
MoDOT #			Local									
TIP #			Other									
Description:		ROW	Federal									
			MoDOT									
			Local									
			Other									
Federal Source Agency		CON	Federal								\$ -	
Federal Funding Category			MoDOT									
MoDOT Funding Category			Local								\$ -	
Work or Fund Category			Other									
Total Project Cost												
			TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	

Transportation Alternative Financial Summary						
Agencies	Source	2016	2017	2018	2019	TOTALS
MoDOT	Federal	\$0	\$0	\$0	\$0	\$0
City of Columbia	MoDOT	\$0	\$0	\$0	\$0	\$0
Pednet Coalition	Local	\$0	\$0	\$0	\$0	\$0
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$0	\$0	\$0	\$0	\$0

There are no Alternative (formerly Transportation Enhancement) projects for FY 2016 or out years.

Transit Projects

COMO Connect		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Maintenance of existing operations and facilities & equipment	ENG	Federal					
State #			State					
TIP #	2015-18		Local					
Description:	FY 2016-2019 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	\$2,310,942	\$2,352,161	\$2,394,204	\$2,692,088	\$ 9,749,395
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	\$4,625,942	\$4,667,161	\$4,709,204	\$5,007,088	\$19,009,395

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

COMO Connect		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
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				
				2016	2017	2018	2019	TOTALS
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	\$0	\$5,425,000	\$0	\$0	\$5,425,000

Section 5339 funding is pending allocation and further guidance.

COMO Connect		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
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 allows		Other					
		ROW	Federal					
			State					
			Local					
Federal Source Agency	FTA	CON	Other					
Federal Funding Category	Section 5309		Federal	\$65,177			\$65,177	
State Funding Category			State					
Work or Fund Category	CON		Local	\$16,294			\$16,294	
Total Project Cost	\$81,471		Other					
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				
				2016	2017	2018	2019	TOTALS
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 allows		Other					
		ROW	Federal					
			State					
			Local					
Federal Source Agency	FTA	CON	Other					
Federal Funding Category	Section 5339		Federal	\$311,587			\$311,587	
State Funding Category			State					
Work or Fund Category	CON		Local	\$77,897			\$77,897	
Total Project Cost	\$389,484		Other					
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				
				2016	2017	2018	2019	TOTALS
Project	Bus Priority System for Traffic Signal Control	ENG	Federal					
State #			State					
TIP #	2010-17		Local					
bot the	Traffic signal controller system to enable bus priority at signals for late routes		Other					
		ROW	Federal					
			State					
			Local					
Federal Source Agency	FTA	CON	Other					
Federal Funding Category	Section 5339		Federal		\$80,000		\$80,000	
State Funding Category			State					
Work or Fund Category	CON		Local		\$20,000		\$20,000	
Total Project Cost	\$100,000		Other					
Local Funding - 1/2 cent transportation sales tax			TOTAL	\$0	\$0	\$100,000	\$0	\$100,000

Section 5339 funding is pending allocation and further guidance.

OATS, Inc.		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Purchase of four (4) lift-equipped vehicles	ENG	Federal					
State #			State					
TIP #	2016-16		Local					
Description:	Purchase of a total of four (4) lift-equipped vehicles to provide service in CATSO metropolitan planning area		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$167,760				\$167,760
Federal Funding Category	Section 5311		State					
State Funding Category			Local	\$41,940				\$41,940
Work or Fund Category	CON		Other					
Total Project Cost	\$209,700							
Other Funding - OATS, Inc.			TOTAL	\$209,700	\$0	\$0	\$0	\$209,700

OATS, Inc.		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	Purchase of four (4) vehicles	ENG	Federal					
State #			State					
TIP #	2016-17		Local					
Description:	Purchase of four (4) lift-equipped vehicles		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$139,054				\$139,054
Federal Funding Category	Section 5310		State					
State Funding Category			Local	\$24,765				\$24,765
Work or Fund Category	CON		Other					
Total Project Cost	\$163,819							
Other Funding - OATS, Inc.			TOTAL	\$163,819	\$0	\$0	\$0	\$163,819

OATS, Inc.		Funding		Fiscal Year				
				2016	2017	2018	2019	TOTALS
Project	JARC funding for employment transportation	ENG	Federal					
State #			State					
TIP #	2015-21		Local					
Description:	JARC-Small Urban Section 5316 funding for employment transportation		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$0	\$101,500	\$101,592	\$0	\$203,092
Federal Funding Category	Section 5316		State					
State Funding Category			Local	\$0	\$101,500	\$101,592	\$0	\$203,092
Work or Fund Category			Other					
Total Project Cost	\$406,184							
Other Funding - OATS, Inc.			TOTAL	\$0	\$203,000	\$203,184	\$0	\$406,184

OATS, Inc.		Funding	Fiscal Year				TOTALS	
			2016	2017	2018	2019		
Project	Funding for general public transportation in rural Boone County	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 in MPO		Other					
		ROW	Federal					
			State					
			Local					
			Other					
Federal Source Agency	FTA	CON	Federal	\$40,000	\$40,000	\$40,000	\$40,000	\$160,000
Federal Funding Category	Section 5311		State	\$2,000	\$2,000	\$2,000	\$2,000	\$8,000
State Funding Category			Local	\$42,000	\$42,000	\$42,000	\$42,000	\$168,000
Work or Fund Category	CON		Other					\$0
Total Project Cost	\$336,000							
Other Funding - OATS, Inc.			TOTAL	\$84,000	\$84,000	\$84,000	\$84,000	\$336,000

Transit Financial Summary						
Agencies	Source	2016	2017	2018	2019	TOTALS
COMO Connect; OATS, Inc.	Federal	\$5,303,578	\$6,781,500	\$2,521,592	\$2,340,000	\$16,946,670
	State	\$17,000	\$17,000	\$17,000	\$17,000	\$68,000
	Local	\$3,083,838	\$3,580,661	\$2,557,796	\$2,734,088	\$11,956,383
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$8,404,416	\$10,379,161	\$5,096,388	\$5,091,088	\$28,971,053

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	\$139,054
Section 5311	\$327,760
Section 5316 JARC	\$203,092
Total	\$16,946,670

Safe Routes to School

Pednet Coalition - Safe Routes to School				Funding	Fiscal Year			
					2016	2017	2018	2019
Project	SRTS Workshops for Underserved Schools	ENG	Federal					
MoDOT #			MoDOT					
Federal Project #	Local							
TIP #	2013-24		Other					
Description:		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$25,000				\$ 25,000
Federal Funding Category	Safe Routes to School		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category	ENG/ROW/CON		Other					
Total Project Cost	\$25,000							
			TOTAL	\$25,000	\$0	\$0	\$0	\$ 25,000

Pednet Coalition - Safe Routes to School				Funding	Fiscal Year			
					2016	2017	2018	2019
Project	Safe Routes to Bus Stops Pilot Program	ENG	Federal					
Federal Project #			MoDOT					
MoDOT #	Local							
TIP #	2013-25		Other					
Description:		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$25,000				\$ 25,000
Federal Funding Category	STP Enhancement		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category			Other					
Total Project Cost	\$25,000							
			TOTAL	\$25,000	\$0	\$0	\$0	\$ 25,000

Pednet Coalition - Safe Routes to School				Funding	Fiscal Year			
					2016	2017	2018	2019
Project	Middle School Bicycle Clubs and Bicycle Brigades	ENG	Federal					
Federal Project #			MoDOT					
MoDOT #	Local							
TIP #	2013-27		Other					
Description:		ROW	Federal					
			MoDOT					
			Local					
			Other					
Federal Source Agency	FHWA	CON	Federal	\$25,000				\$ 25,000
Federal Funding Category	Safe Routes to School		MoDOT					
MoDOT Funding Category			Local					
Work or Fund Category			Other					
Total Project Cost	\$25,000							
			TOTAL	\$25,000	\$0	\$0	\$0	\$ 25,000

Safe Routes to School Financial Summary						
Agencies	Source	2015	2016	2017	2018	TOTALS
	Federal	\$75,000	\$0	\$0	\$0	\$75,000
Pednet Coalition	State	\$0	\$0	\$0	\$0	\$0
	Local	\$0	\$0	\$0	\$0	\$0
	Other	\$0	\$0	\$0	\$0	\$0
Total		\$75,000	\$0	\$0	\$0	\$75,000

Total Financial Summary FY 2016-2019 TIP Programmed Projects	Federal \$	Local \$	Total \$
Capital Projects			
MoDOT Roadways	\$35,959,000	\$15,530,000	\$51,489,000
MoDOT Scoping	\$48,000	\$443,000	\$491,000
Boone Co	\$0	\$3,400,000	\$3,400,000
Columbia Streets	\$2,130,093	\$11,411,700	\$13,541,793
Columbia Sidewalks	\$0	\$1,250,047	\$1,250,047
Get About (Non-Motorized)	\$8,570,000	\$0	\$8,570,000
Rail-Highway	\$0	\$0	\$0
Safe Routes to Schools	\$75,000	\$0	\$75,000
Transportation Alternatives	\$0	\$0	\$0
Transit	\$16,946,670	\$12,024,383	\$28,971,053
Total Capital Projects	\$63,728,763	\$44,059,130	\$107,787,893
Total Maintenance	\$0	\$64,300,503	\$64,300,503
Total Programmed	\$63,728,763	\$108,359,633	\$172,088,396
Total Revenue	\$67,727,756	\$145,791,564	\$213,519,320
Funds Remaining*	\$3,998,993	\$37,431,931	\$41,430,924

*Note: the remaining local funds are used for a variety of other transportation related responsibilities which the City and County must meet. In the City's case, this includes airport operations, street lights, and other expense categories, plus the maintenance of reserve funds.

FINANCIAL PLAN/SUMMARY MoDOT

Funding Source		2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
MoDOT	ANTICIPATED	\$3,817,000	\$8,357,000	\$12,174,000	\$18,192,000	\$3,688,000	\$21,880,000	\$9,224,000	\$2,304,000	\$11,528,000	\$4,726,000	\$1,181,000	\$5,907,000	\$35,959,000	\$15,530,000	\$51,489,000
Construction & Payment Projects	PROGRAMMED	\$3,817,000	\$8,357,000	\$12,174,000	\$18,192,000	\$3,688,000	\$21,880,000	\$9,224,000	\$2,304,000	\$11,528,000	\$4,726,000	\$1,181,000	\$5,907,000	\$35,959,000	\$15,530,000	\$51,489,000
MoDOT	ANTICIPATED	\$12,000	\$63,000	\$75,000	\$12,000	\$374,000	\$386,000	\$12,000	\$3,000	\$15,000	\$12,000	\$3,000	\$15,000	\$48,000	\$443,000	\$491,000
Scoping	PROGRAMMED	\$12,000	\$63,000	\$75,000	\$12,000	\$374,000	\$386,000	\$12,000	\$3,000	\$15,000	\$12,000	\$3,000	\$15,000	\$48,000	\$443,000	\$491,000
TOTALS	ANTICIPATED	\$3,829,000	\$8,420,000	\$12,249,000	\$18,204,000	\$4,062,000	\$22,266,000	\$9,236,000	\$2,307,000	\$11,543,000	\$4,738,000	\$1,184,000	\$5,922,000	\$36,007,000	\$15,973,000	\$51,980,000
ALL	PROGRAMMED	\$3,829,000	\$8,420,000	\$12,249,000	\$18,204,000	\$4,062,000	\$22,266,000	\$9,236,000	\$2,307,000	\$11,543,000	\$4,738,000	\$1,184,000	\$5,922,000	\$36,007,000	\$15,973,000	\$51,980,000

COLUMBIA AREA, 2015

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		2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
Boone County	ANTICIPATED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FHWA Innovative Bridge R & D	PROGRAMMED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Boone County	ANTICIPATED	\$0	\$3,400,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,400,000	\$3,400,000
	PROGRAMMED	\$0	\$3,400,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,400,000	\$3,400,000
TOTALS	ANTICIPATED	\$0	\$3,400,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,400,000	\$3,400,000
ALL	PROGRAMMED	\$0	\$3,400,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,400,000	\$3,400,000

COLUMBIA AREA, 2015

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	2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia	ANTICIPATED	\$0	\$6,441,853	\$6,441,853	\$0	\$4,450,729	\$4,450,729	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,892,582	\$10,892,582
	PROGRAMMED	\$0	\$6,441,853	\$6,441,853	\$0	\$4,450,729	\$4,450,729	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,892,582	\$10,892,582
City of Columbia FHWA_STP Sub-allocated	ANTICIPATED	\$2,234,000	\$69,400	\$2,303,400	\$2,325,762	\$449,718	\$2,775,480	\$842,631	\$0	\$842,631	\$1,211,993	\$0	\$1,211,993	\$6,614,386	\$519,118	\$7,133,504
	PROGRAMMED	\$277,600	\$69,400	\$347,000	\$1,852,493	\$449,718	\$2,302,211	\$0	\$0	\$0	\$0	\$0	\$0	\$2,130,093	\$519,118	\$2,649,211
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	\$2,234,000	\$6,511,253	\$8,745,253	\$2,325,762	\$4,900,447	\$7,226,209	\$842,631	\$0	\$842,631	\$1,211,993	\$0	\$1,211,993	\$6,614,386	\$11,411,700	\$18,026,086
ALL	PROGRAMMED	\$277,600	\$6,511,253	\$6,788,853	\$1,852,493	\$4,900,447	\$6,752,940	\$0	\$0	\$0	\$0	\$0	\$0	\$2,130,093	\$11,411,700	\$13,541,793

COLUMBIA AREA, 2015

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).

Note 2: Part of FHWA_STP Sub-allocated funding balance, plus any further funding that might occur in out years, does not yet have identified projects for programming.

FINANCIAL PLAN/SUMMARY Columbia Sidewalks

Fiscal Year Funding Source		2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of	ANTICIPATED	\$0	\$308,641	\$308,641	\$0	\$941,406	\$941,406	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250,047	\$1,250,047
Columbia	PROGRAMMED	\$0	\$308,641	\$308,641	\$0	\$941,406	\$941,406	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250,047	\$1,250,047
TOTALS	ANTICIPATED	\$0	\$308,641	\$308,641	\$0	\$941,406	\$941,406	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250,047	\$1,250,047
ALL	PROGRAMMED	\$0	\$308,641	\$308,641	\$0	\$941,406	\$941,406	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250,047	\$1,250,047

COLUMBIA AREA, 2015

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 Program)**

Fiscal Year Funding Source		2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia	ANTICIPATED	\$6,530,000	\$0	\$6,530,000	\$1,890,000	\$0	\$1,890,000	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$8,570,000	\$0	\$8,570,000
	PROGRAMMED	\$6,530,000	\$0	\$6,530,000	\$1,890,000	\$0	\$1,890,000	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$8,570,000	\$0	\$8,570,000
TOTALS	ANTICIPATED	\$6,530,000	\$0	\$6,530,000	\$1,890,000	\$0	\$1,890,000	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$8,570,000	\$0	\$8,570,000
ALL	PROGRAMMED	\$6,530,000	\$0	\$6,530,000	\$1,890,000	\$0	\$1,890,000	\$150,000	\$0	\$150,000	\$0	\$0	\$0	\$8,570,000	\$0	\$8,570,000

COLUMBIA AREA, 2015

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		2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia	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
	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	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 AREA, 2015

Project Selection Process:

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

Note: There are no Rail-Highway projects for FY 2016

FINANCIAL PLAN/SUMMARY

Transportation Alternatives

Fiscal Year Funding Source		2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of Columbia	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
MoDOT MoDOT	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 AREA, 2015

Project Selection Process:

MoDOT project selection is done by the Missouri Highways and Transportation Commission and MoDOT Central District.

Note: Federal \$ is from Federal Highway Administration (FHWA) Surface Transportation Program (STP) Enhancement funds.

FINANCIAL PLAN/SUMMARY

Transit

Fiscal Year Funding Source		2016			2017			2018			2019			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
OATS, Inc. (Section 5310 funds)	ANTICIPATED PROGRAMMED	\$139,054 \$139,054	\$24,765 \$24,765	\$163,819 \$163,819	\$0 \$0	\$139,054 \$139,054	\$24,765 \$24,765	\$163,819 \$163,819								
OATS, Inc. (Section 5311 funds)	ANTICIPATED PROGRAMMED	\$207,760 \$207,760	\$85,940 \$85,940	\$293,700 \$293,700	\$40,000 \$40,000	\$44,000 \$44,000	\$84,000 \$84,000	\$40,000 \$40,000	\$44,000 \$44,000	\$84,000 \$84,000	\$40,000 \$40,000	\$44,000 \$44,000	\$327,760 \$327,760	\$217,940 \$217,940	\$545,700 \$545,700	
OATS, Inc. (Section 5316 funds)	ANTICIPATED PROGRAMMED	\$0 \$0	\$0 \$0	\$0 \$0	\$101,500 \$101,500	\$101,500 \$101,500	\$203,000 \$203,000	\$101,592 \$101,592	\$101,592 \$101,592	\$203,184 \$203,184	\$0 \$0	\$0 \$0	\$0 \$0	\$203,092 \$203,092	\$203,092 \$203,092	\$406,184 \$406,184
City of Columbia (COMO Connect) (Section 5307 funds)	ANTICIPATED PROGRAMMED	\$2,300,000 \$2,300,000	\$2,325,942 \$2,325,942	\$4,625,942 \$4,625,942	\$2,300,000 \$2,300,000	\$2,367,161 \$2,367,161	\$4,667,161 \$4,667,161	\$2,300,000 \$2,300,000	\$2,409,204 \$2,409,204	\$4,709,204 \$4,709,204	\$2,300,000 \$2,300,000	\$2,707,088 \$2,707,088	\$5,007,088 \$5,007,088	\$9,200,000 \$9,200,000	\$9,809,395 \$9,809,395	\$19,009,395 \$19,009,395
City of Columbia (Columbia Transit System) FTA Section 5309 Capital*	ANTICIPATED PROGRAMMED	\$65,177 \$65,177	\$16,294 \$16,294	\$81,471 \$81,471	\$0 \$0	\$65,177 \$65,177	\$16,294 \$16,294	\$81,471 \$81,471								
City of Columbia (Columbia Transit System) FTA Section 5339 Capital	ANTICIPATED PROGRAMMED	\$2,591,587 \$2,591,587	\$647,897 \$647,897	\$3,239,484 \$3,239,484	\$4,340,000 \$4,340,000	\$1,085,000 \$1,085,000	\$5,425,000 \$5,425,000	\$80,000 \$80,000	\$20,000 \$20,000	\$100,000 \$100,000	\$0 \$0	\$0 \$0	\$0 \$0	\$7,011,587 \$7,011,587	\$1,752,897 \$1,752,897	\$8,764,484 \$8,764,484
* - remaining balance available																
TOTALS	ANTICIPATED	\$5,303,578	\$3,100,838	\$8,404,416	\$6,781,500	\$3,597,661	\$10,379,161	\$2,521,592	\$2,574,796	\$5,096,388	\$2,340,000	\$2,751,088	\$5,091,088	\$16,946,670	\$12,024,383	\$28,971,053
ALL	PROGRAMMED	\$5,303,578	\$3,100,838	\$8,404,416	\$6,781,500	\$3,597,661	\$10,379,161	\$2,521,592	\$2,574,796	\$5,096,388	\$2,340,000	\$2,751,088	\$5,091,088	\$16,946,670	\$12,024,383	\$28,971,053

COLUMBIA AREA, 2015

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 COMO Connect includes a total of \$60,000 from MoDOT sources in addition to federal & local sources.

FINANCIAL PLAN/SUMMARY

SRTS

Fiscal Year Funding Source		2015			2016			2017			2018			TOTAL		
		Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$	Federal \$	Other \$	Total \$
City of	ANTICIPATED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Columbia	PROGRAMMED	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pednet	ANTICIPATED	\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$75,000
Coalition	PROGRAMMED	\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$75,000
TOTALS	ANTICIPATED	\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$75,000
ALL	PROGRAMMED	\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$75,000

COLUMBIA AREA, 2015

Project Selection Process:

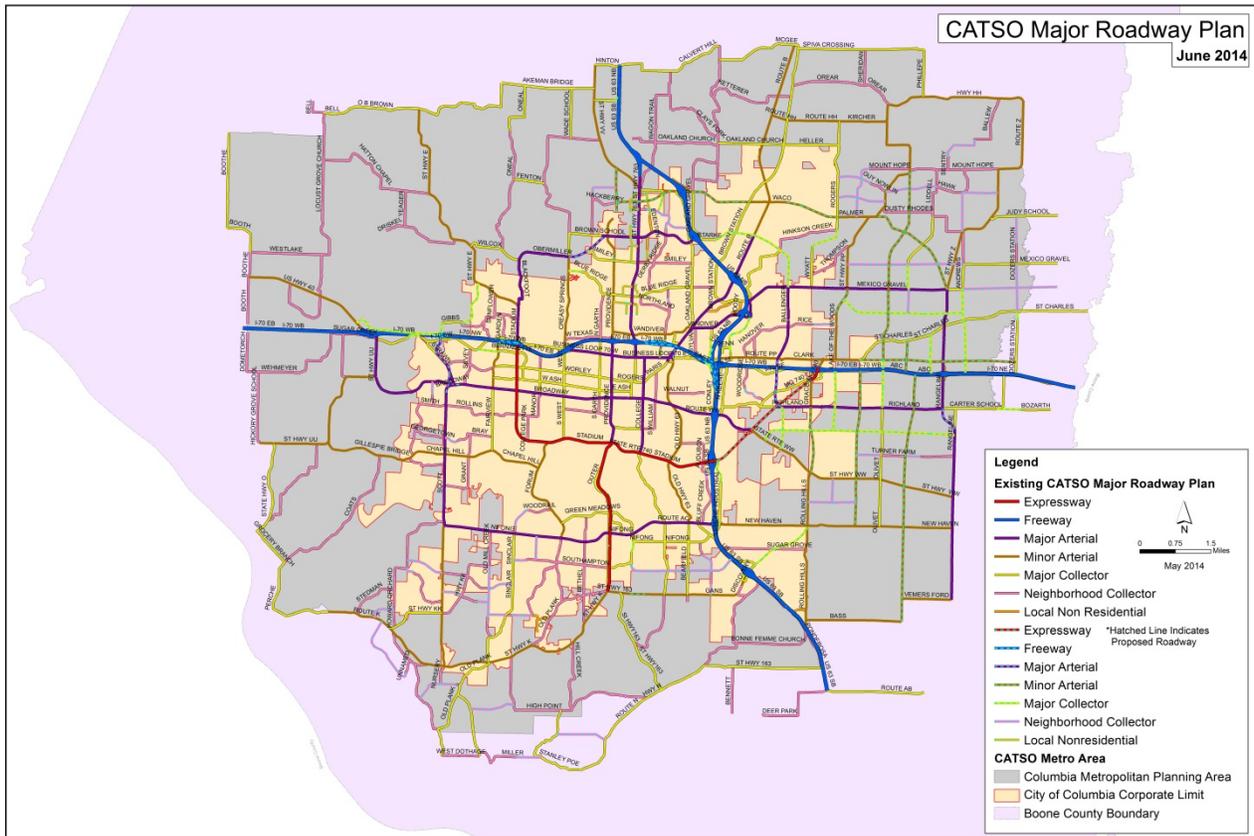
Pednet Coalition project selection is done by Pednet Coalition staff and the Pednet Coalition board.

Note: Federal \$ is from Federal Highway Administration (FHWA) Safe Routes to School funds.

Appendices

FY 2016 – 2019 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
ENG	Engineering
DEV	Development
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year
IBRC	Innovative Bridge Research and Construction Program
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
NMPP	Non-Motorized Transportation Pilot Program
NHS	National Highway System
OATS	Organized Alternative Transit System, Inc.
ROW	Right-of-Way
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (2005 federal transportation bill)
STF	State Transit Funds
STIP	State Transportation Improvement Program
STP	Surface Transportation Program (Federal-aid highway program funding category)
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. The following is a list of some of the federal transportation programs in which funding is available.

Major Federal-Aid Highway Programs Under MAP-21

- **Surface Transportation (STP)** – Broad range of surface transportation capital needs, including many roads, transit, sea, and airport access, vanpool, bike and pedestrian facilities. Replaced the old Federal Aid Urban Program. Federal share of funded projects – 80%
- **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.
- **National Highway System (NHS)** – Interstate routes, major urban and rural arterials, connectors to major intermodal facilities, national defense network. Fifty percent of NHS funds can be freely flexed to STP; 100% with USDOT approval. Federal share of funded projects – 80%.
- **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. Enhancement 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 Funds** – Funds disbursed to the City of Columbia as part of the Non-Motorized Pilot Program 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.

County Reimbursement - Reimbursement from the county for work performed by the city on joint projects.

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 Grant - (4) year federal grant received to be used for non-motorized transportation projects (Sidewalks, trails, bicycle paths etc.).

Park Sales Tax - Funds generated from the 2005 Local Parks Tax issue for the amount of one-quarter for five years and one-eighth thereafter.

STP Federal Highway Administration Surface Transportation Program – Replaces the old Federal Aid Urban Program - 20% local match.

STP Enh Federal Highway Administration Surface Transportation Enhancement Program – The program portion of STP program set aside for transportation enhancement projects. 80% federal; 20% local funding.

APPENDIX C

Funding Sources and Descriptions (continued)

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 2016-2019 TIP was formally adopted at the August 27, 2015 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 22, 2015. 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 2016-2019 TIP.

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

http://www.gocolumbiamo.com/community_development/planning/boards_and_commissions/catsso/PPPlan.php

APPENDIX E

<i>CATSO FY 2016-2019 Applicable MoDOT Payment and Construction Projects with Federal Category of Advance Construction & Planned Conversion</i>						
<i>Programmed FY AC State</i>	<i>MoDOT or Other Route</i>	<i>CATSO TIP Project #</i>	<i>MoDOT Project #</i>	<i>Anticipated Federal Category</i>	<i>Planned Conversion</i>	<i>AC State</i>
2016	Route 63	2015-1	5P3010B	NHPP	FY 201??	\$4,668,000
2016	I-70	2016-2	0I3002I	NHPP	FY 201??	\$229,000
2016	Various	2016-5	5P3101	STP	FY 201?	\$437,000

**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 SAFETEA-LU (Pub. L. 109-59) 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

8-27-15

Date



Signature

David Silvester
District Engineer
Missouri Department of
Transportation

8/27/15

Date