Unified Planning Work Program

COATS
Columbia Area Transportation Study

FY 2020 & 2021

Prepared by the
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Adopted on _____

This preparation of this report has been financed in part through grant[s] from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation, under the State Planning and Research Program, Section 505 [or Metropolitan Planning Program, Section 104(f) of Title 23, Code. The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation.

2020 & 2021

UNIFIED PLANNING WORK PROGRAM

FOR TRANSPORTATION PLANNING

IN THE

COLUMBIA METROPOLITAN PLANNING AREA

Approved by the Policy Committee of the
Columbia Area Transportation Study

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ADOPTION OF THE CENTRAL MIDLANDS COUNCIL OF GOVERNMENTS (CMCOG) STATE FISCAL YEAR (SFY) 2020 & 2021 UNIFIED PLANNING WORK PROGRAM (UPWP)

WHEREAS, the Central Midlands Council of Governments has been designated by the Governor of the State of South Carolina as the Metropolitan Planning Organization responsible, together with the State, for the comprehensive, continuing, and cooperative transportation planning process for the census designated urbanized areas and the proposed urbanized areas of Richland, Lexington, Kershaw, Calhoun, Fairfield and Newberry Counties; and,

WHEREAS, the federal surface transportation programs that are the responsibility of the Central Midlands Council of Governments are authorized by the Fixing America's Surface Transportation (FAST) Act (Pub. L. 114-94, December 4, 2015); and,

WHEREAS, Section 1201 of FAST Act establishes requirements for metropolitan transportation planning in 23 U.S.C. 134, and Section 1105 of FAST Act provides for the apportionment of metropolitan planning funds in 23 U.S.C. 104; and,

WHEREAS, the 2020 & 2021 UPWP is developed in accordance with federal and state requirements and guidelines, helps consolidate and coordinate the transportation planning activities conducted by member governments of the Central Midlands Council of Governments, by providing a mutually-agreed upon document which identifies all transportation and transportation-related planning activities to be undertaken by Columbia Area Transportation Study MPO from July 1, 2019 to June 30, 2021, regardless of funding sources; and,

WHEREAS, the Central Midlands Council of Governments held a 30-day public comment period for the 2020 & 2021 UPWP; and,

NOW THEREFORE BE IT RESOLVED that the attached 2020 & 2021 UPWP is hereby approved by the Central Midlands Council of Governments; and,

BE IT FURTHER RESOLVED that the Central Midlands Council of Governments approves the consolidated funding apportionment of the 2020 & 2021 FHWA PL Program and the FTA Section 5303 Program and other associated federal, state and local funds.

CERTIFICATE the undersigned is the duly qualified Executive Director of Central Midlands Council of Governments, and hereby certify that the foregoing is a true and correct copy of a resolution adopted at a meeting of the Central Midlands Council of Governments held on _____.

_____	_____
Joyce Dickerson, Chairperson	Benjamin J. Mauldin, Executive Director
Central Midlands Council of Governments	Central Midlands Council of Governments
_____	_____
Witness	Witness

COLUMBIA AREA TRANSPORTATION STUDY
2020 & 2021 UNIFIED PLANNING WORK PROGRAM

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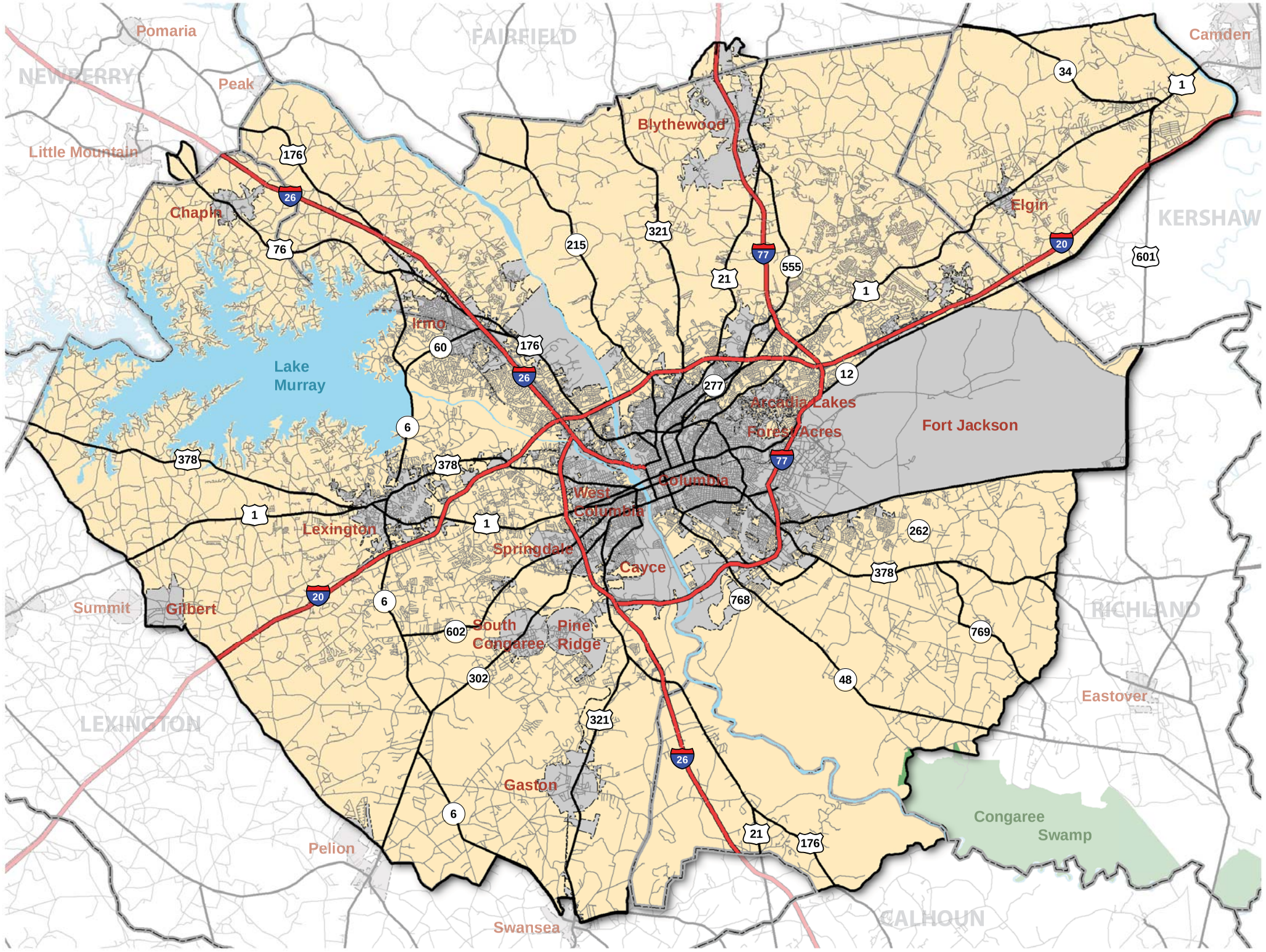

COATS
Columbia Area Transportation Study

2010 COATS MPO Boundary

Municipal Boundary

County Boundary

0 2.5 5 10 Miles

N W E S

Central Midlands Council of Government disclaims responsibility for damage or liability associated with the use of this information. All reasonable efforts have been made to ensure accuracy.

CENTRAL MIDLANDS
Council of Governments

COLUMBIA AREA TRANSPORTATION STUDY

METROPOLITAN PLANNING ORGANIZATION

2020 & 2021 UNIFIED PLANNING WORK PROGRAM (UPWP) - PURPOSE

The Unified Planning Work Program (UPWP) incorporates in one document all transportation planning and directly supporting comprehensive planning activities in the Columbia Metropolitan Area, which appears in Figure 1, during the fiscal year 2020 & 2021. It is intended to provide a mechanism for the coordination of planning efforts by local, State, and regional agencies through the Columbia Area Transportation Study (COATS).

The U.S. Department of Transportation (USDOT) and its modal administrations [i.e., the Federal Highway Administration (FHWA), the Federal Railroad Administration (FRA), and the Federal Transit Administration (FTA)] require this Unified Planning Work Program as a basis and condition for all funding assistance for transportation planning to State, local and regional agencies. The authority for this requirement is found in two separate Federal legislative acts establishing transportation planning programs:

1. Title 23, U.S. Code Section 134 (Federal Aid Highway Act of 1962, as amended)
2. Title 49, U.S. Code Section 1603 et. al.: (Urban Mass Transportation Act of 1964, as amended)

DEVELOPMENT OF THE UNIFIED PLANNING WORK PROGRAM

As the Metropolitan Planning Organization (MPO) designated by the Governor of the State of South Carolina, COATS has the responsibility to carry out the continuous, comprehensive and cooperative transportation planning process for the Columbia Metropolitan Area. The Unified Planning Work Program (UPWP) identifies the transportation planning activities which are to be undertaken in the COATS study area in support of the goals, objectives and actions established in the 2040 Long-Range Transportation Plan, which was adopted in September 2015. COATS staff, working with the Planning Department of the South Carolina Department of Transportation, annually initiates the process of developing the UPWP and prepares a final draft for the MPO Policy Committee consideration. The intent in developing a comprehensive Work Program is to ensure that a coordinated transportation planning process occurs in the region, which will make positive contributions towards achievement of the established 2040 goals regarding mobility, facilities, safety, the environment, and land use.

The UPWP outlines a framework for the work program which the staff is expected to accomplish and provides guidance with respect to a financial plan to support the Work Program. This 2020 & 2021 Work Program is intended to be consistent with the metropolitan planning requirements of the Federal Legislation: Fixing America's Surface Transportation (FAST) Act (Pub. L. No. 114-94), and its implementing regulations. Compliance with these regulations' frames much of this

program. Further, the Work Program strives to address South Carolina Department of Transportation planning emphasis areas which are intended to implement the State's policies for urban area transportation planning. This is to ensure that projects conceived by COATS fulfill Federal and State policies and local issues progress in a timely manner.

The status of the current Work Program is reviewed annually by the COATS's Policy Committee to ensure that it is being carried out in a manner consistent with the MPO's goals. While it is the mission of the Staff and the Policy Committee to complete work efforts within a program year, task elements may be designed to span multiple fiscal years and therefore are carried into subsequent Work Programs to affect closure. Each year an estimate of transportation planning funds available for new programs is made. Policy direction and scope of the UPWP are developed with member government participation based on their needs, consistent with the Long-Range Transportation Plan.

The staff, working with member governments, establishes a list of candidate projects for inclusion in next year's work program. Estimates of amounts and sources of funding to accomplish the planning program are developed. The Technical Committee then reviews the continuing program and the new projects. A draft UPWP is developed for the Transportation Subcommittee review and recommendation of acceptance to the Executive and Policy Committees. The Policy Committee has the final responsibility to approve the UPWP.

Funding for the UPWP is provided through federal, state, and local resources. The primary source is the consolidated FHWA/FTA planning grant that is provided through the South Carolina Department of Transportation. FHWA PL funds and FTA Section 5303 Mass Transit funds have been consolidated to streamline the administrative requirements and reinforce a multimodal planning process.

COATS ORGANIZATION

The Columbia Area Transportation Study (COATS) is organized to facilitate and encourage maximum interaction between local, State and Federal agencies involved in the transportation decision-making process. To accomplish this, a committee structure was adopted to include the following committees:

Policy Committee

The Policy Committee consists of the elected and appointed officials representing local and State governments and other organizations/agencies having an interest or responsibility in comprehensive transportation planning in the Columbia Metropolitan Area. The primary responsibility of the Policy Committee is to establish policies for the overall conduct of the COATS. Policy Committee meetings are conducted on a monthly basis.

Transportation Subcommittee

The Transportation Subcommittee is responsible for making recommendations to the full Policy Committee regarding project priorities to be funded by various Federal Aid Highway Programs and included in the Transportation Improvement Program (TIP). Transportation Subcommittee meetings are scheduled on a monthly basis.

Technical Committee

The Technical Committee, which is established by the Policy Committee, is composed of the professional/technical representatives from the member governments and public agencies having direct or indirect responsibility for transportation planning and/or implementation. Their primary responsibility is to monitor all technical activities including the annual development of a draft UPWP and TIP for recommendation to the Policy Committee. They also review and consider for recommendation to the Policy Committee all major studies and planning activities. Technical Committee meetings are scheduled on a monthly basis.

Executive Committee

The Executive Committee is made up of Policy Committee members and provides oversight of transportation planning activities. Executive Committee meetings are conducted on a monthly basis.

Additional Committees

An important element in the operation of the Policy Committee is the effective utilization of both formal and ad-hoc advisory committees to review and evaluate detailed transportation issues and results of planning activities. The committee(s) function principally is to make recommendations to the Policy Committee on subjects directed to them by the Policy Committee which require extensive evaluation, which would be inefficient to resolve by the full committee. Additional advisory committee meetings are scheduled on an as needed basis.

The COATS has also established the following permanent committee(s):

Rail Transit Committee: This Committee consists of members of the Policy Committee and other interested citizens. The Rail Transit Committee is established to research issues related to rail development and its impact on the transportation infrastructure in the region. The Rail Transit Committee meetings are scheduled on a quarterly basis.

Bike and Pedestrian Committee: This Committee consists of members of the Transportation Subcommittee, State and local governments, and other interested citizens. The Bike and Pedestrian Committee is established to research issues related to bicycle and pedestrian development and its impact on the transportation infrastructure in the region. Bike and Pedestrian Committee meetings are scheduled on a semi-annually.

Regional Development Committee: This Committee consists of members of the Policy Committee, State and local governments, and other interested citizens. The Regional Development Committee is established to research issues related to land use development and its impact on the transportation infrastructure in the region. Regional Development Committee meetings are scheduled on a quarterly basis.

Organizational Objectives

In order to achieve the COATS program goals and the detailed technical activities inherent in them, the COATS organization has the following objectives:

1. Develop an administrative committee structure which will express and coordinate transportation planning and development values, policies, and goals as related to transportation requirements at all governmental levels;

2. Provide guidance to public and private decision-makers involved in immediate implementation and long-range activities;

3. Provide technical study programs and fulfill organizational responsibilities necessary to continue transportation plan development, study refinement, and research;

4. Provide for community review of the 2040 Long-Range Transportation Plan and its sub-elements, resolve conflicts with community values, and obtain participation in updating and reevaluating the plan;

5. Monitor and evaluate changes in the metropolitan structure and identify growth problems, and update the plan as necessary; and

6. Promote the coordination of planning activities to implement the "continuing, comprehensive planning" concept.

MPO PLANNING AREA EXPANSION DUE TO THE 2010 US CENSUS

On Tuesday, March 27, 2012, the US Census Bureau released their new 2010 Urbanized Areas. The release of these new urbanized areas denoted that per federal requirements, Metropolitan Planning Organizations (MPOs) such as the Columbia Area Transportation Study (COATS) will have to adjust their metropolitan planning area boundary to encompass the contiguous census designated urbanized area and the area projected to be urbanized over the next 20 years. Federal requirements also denoted that the COATS MPO may consider adjusting its Policy Committee composition to ensure that adequate representation for all necessary jurisdictions has been addressed.

The 2010 US Census produced a new census designated urbanized area that exceeded the existing COATS MPO Boundary in four (4) locations. The nearby municipalities in these expanded areas were the Town of Chapin in Newberry County, Town of Blythewood in Fairfield County, Town of Swansea in Lexington County, and the City of Camden in Kershaw County. Please be advised that the City of Camden was designated by the Census Bureau as an urban cluster and was not included as part of the census designated urbanized area for Columbia. The census designated urbanized area in Kershaw County stops at the Wateree River.

In review of the census definition for these expanded areas, each can be defined as a hop or a jump. The Census Bureau includes territory that is not contiguous with the urban core through "hops" and "jumps" to allow for the inclusion of densely settled areas proximate to the urban core. Hops must connect along a road segment less than 0.5 miles in length (excluding exempted territory). Jumps can connect along a road segment up to 2.5 miles in length (excluding exempted territory). The 2010 Census criteria does not allow hops after a jump.

Areas qualify for inclusion via a hop or a jump if the area's total population is greater than 1,000 persons or if the population density of the area and the hop/jump corridor is greater than 500 ppsm. These expanded areas meet one of these qualifications.

Agreeable expansions of the MPO planning areas occurred in Newberry, Fairfield, Kershaw, and Lexington Counties. These counties participated in the development of the new MPO planning areas and adopted the MPO resolution and new boundary. Census blocks were used to establish the areas that are expected to be urbanized in the next 20 years.

On March 28, 2013 the MPO Policy Committee approved the MPO Re-Designation Resolution and new MPO planning area. The COATS MPO also has a negotiated agreement with Kershaw County to provide MPO planning services. As well, the compositions of the MPO Policy Committee, Transportation Subcommittee, and Technical Committee have been adjusted in referenced to the new MPO planning area.

STAFFING

The work proposed under this Unified Planning Work Program (UPWP) will be primarily accomplished by the COATS Staff, with the assistance and cooperative support of the participating CMCOG member governments as well as the use of private consultants, where appropriate.

COATS Staff

A permanent, intermodal professional staff has been assembled to carry out the major portion of COATS continuing transportation planning program. This staff, consisting of a Director, professional, technical and support personnel, will pursue specific COATS work program task elements under the direction of the MPO Policy Committee.

South Carolina Department of Transportation Staff

The South Carolina Department of Transportation (SCDOT) has an extensive professional staff of transportation planners, analysts and both professional and support personnel, in such associated specialties as transportation planning, research, data processing and environmental impact analysis. SCDOT provides assistance to COATS on various issues as requested.

Lexington County Planning Agency Staff
The Lexington County Planning Agency provides COATS with planning assistance and various GIS-related information.

Richland County Planning Agency Staff
The Richland County Planning Agency provides COATS with planning assistance and various GIS-related information.

City of Columbia Planning Agency Staff
The City of Columbia Planning Agency provides COATS with planning assistance and various GIS-related information.

Kershaw County Planning Agency Staff
The City of Columbia Planning Agency provides COATS with planning assistance and various GIS-related information.

Central Midlands Regional Transit Authority Staff
The Central Midlands Regional Transit Authority (CMRTA) provides COATS with both general and project specific data relating to transit. Such data includes ridership information, counts, scheduling, routing, etc.

OPERATIONAL PROCEDURES AND BYLAWS

COATS operates under an adopted set of bylaws. Administrative and operational procedures are included in the Central Midlands Council of Governments (CMCOG) Bylaws. Official records of COATS business are maintained in the CMCOG Office located at 236 Stoneridge Drive, Columbia, South Carolina 29210. All of COATS records are available for public inspection during normal business hours.

UNIFIED PLANNING WORK PROGRAM (UPWP) FRAMEWORK

The annual UPWP establishes the transportation planning activities and programs of the Metropolitan Planning Organization (MPO) to be carried out over the course of the work program year (July through June). Other than administration, the basis of the work program is focused in three broad areas:

I. Maintenance of a Transportation Improvement Program (TIP), which identifies projects and/or programs to receive various sources of Federal funds covering highway, transit, and intermodal facilities and programs.

II. Maintenance and implementation of the Long-Range Transportation Plan (LRTP), which identifies priority transportation system deficiencies and feasible/appropriate methods for addressing those deficiencies in a fiscally constrained environment.

III. Four transportation goals were identified for the Columbia Metropolitan Area in the COATS 2040 Long-Range Transportation Plan adopted in September 2015 including: mobility, safety, environment, and facilities. Detailed objectives and action recommendations were also identified in regard to each of the goal areas.

IV. Recognition of requirements established by the Federal Highway Administration (FHWA) regarding the national transportation planning priorities included in the FAST Act and National Highway System legislation.

FAST ACT PLANNING FACTORS

The Metropolitan Planning program under SAFETEA-LU provided funding for the integration of transportation planning processes in the Metropolitan Planning Organizations (MPOs) into a unified metropolitan transportation planning process, culminating in the preparation of a multimodal transportation plan for the MPO. Title 23 of the United States Code, section 134(f) (revised in SAFETEA-LU section 6001(h)) describes Federal Planning Factors issued by Congress to emphasize planning factors from a national perspective. Under Map-21 and the FAST Act these planning factors remain unchanged. The planning factors (for both metro and statewide planning) are as follows:

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.
2. Increase the safety of the transportation system for motorized and non-motorized users.
3. Increase the security of the transportation system for motorized and non-motorized users.
4. Increase the accessibility and mobility of people and for freight.
5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.
6. Enhance the integration and connectivity of the transportation system, across and between modes, people and freight.
7. Promote efficient system management and operation.
8. Emphasize the preservation of the existing transportation system.
9. Improve the resilience and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and
10. Enhance travel and tourism.

2018 & 2019 SUMMARY OF MAJOR ACCOMPLISHMENTS

General Administration

The accomplishments under this task were necessary to ensure that the MPO functioned adequately to manage the transportation planning process, ensuring that it is continuous, cooperative, and comprehensive in nature and that it is in compliance with applicable Federal, State, and local laws and requirements. To that end, the accomplishments under this task are varied and include, but are not limited to, the items summarized below:

- ✓ Held eighteen Policy Committee meetings, eight Transportation Subcommittee, and eight Technical Committee meetings, over the course of the program years and provided administrative and technical support to these committees as needed.
- ✓ Disseminated mailings and other appropriate communications as warranted;
- ✓ Maintained all financial records of revenues and expenditures;
- ✓ Upgraded and maintained in-house computer and network resources;
- ✓ Completed all required communications and coordination with SCDOT, FHWA and FTA;
- ✓ Completed the required quarterly Planning Reports;
- ✓ Continued management of the selected consultants for COATS General Transportation Planning/Engineering Services;
- ✓ Continued training of various MPO staff as appropriate; and
- ✓ Continued participation, as appropriate, with the American Planning Association (APA), the Association of Metropolitan Planning Organizations (AMPO) and other professional affiliations as needed.

Public Participation

Significant public participation/media relations efforts and activities were conducted over the past program year for numerous UPWP tasks including, but not limited to:

- ✓ Publicized via press releases, legal notices, flyers, and presentations, the commencement of planning activities and public comment periods relating to both the 2016-2022 Transportation Improvement Program (TIP) process and the 2040 Long-Range Transportation Plan (LRTP) Elements as appropriate;
- ✓ Held public meetings in an effort to identify the issues for the transportation planning projects and studies
- ✓ Updated and expanded the website for the COATS MPO;
- ✓ Developed and distributed issues of the CMCOG newsletter
- ✓ Maintained and expanded the CMCOG web site;
- ✓ Held public meeting to receive comments on the Columbia Avenue Widening Project
- ✓ Held public meeting to receive comments on the Exit 119 Interchange Improvement Project
- ✓ Participated in public meetings for road improvement projects in Richland County that are funded by the Richland County Sales Tax

- ✓ Participated in public meeting for road and interstate improvement projects funded by SCDOT
- ✓ Worked with various municipalities and the media throughout 2018 & 2019 in an effort to promote the nature, role, and purpose of COATS; and
- ✓ Produced and distributed, as appropriate, a CMCOG Orientation Package, aimed at educating new committee members on the roles and responsibilities of the agency.
- ✓ Held public meeting to receive comments on the Cayce, West Columbia, & Springdale Bike and Pedestrian Master Plan
- ✓ Held public meeting to receive comments on the Chapin, Swansea, & Batesburg-Leesville Bike and Pedestrian Master Plan
- ✓ Held public meeting to receive comments on the Town of Blythewood Traffic Improvement Area Plan
- ✓ Held public meeting to receive comments on the Calhoun County Transportation and Land Use Plan

2020 & 2021 UPWP Development

This task involved the creation and dissemination of the 2020 & 2021 UPWP, which was developed via a cooperative process involving all member agencies as well as the CMCOG staff. A request for planning projects was provided to all municipalities in the COATS study area and resulted in moderate response. As recommended in the latest SCDOT letter of January 2019, COATS is preparing an biannual UPWP, covering the period of July 1, 2019 through June 30, 2021. The Final Draft 2020 & 2021 UPWP is scheduled to be presented to the Transportation Subcommittee and Policy Committee on June 13th and June 27, 2019, respectively, for final approvals and adoption. The SCDOT letter dated in January 2019 addresses funding for fiscal year 2020. SCDOT will provide a new letter in January 2020 to address the funding for fiscal year 2021.

Data Collection, Compilation, and/or Analysis

This task allows for staff to collect, analyze and utilize various forms of data that assist in the everyday operation of the Metropolitan Planning Organization (MPO). The four primary datasets utilized for this task are Populations Projections, Commercial Real Estate, Building Permits and Vehicle Data.

The following items have been completed:

- ✓ Traffic Count Data for each County (Lexington, Newberry, Richland, & Fairfield)
- ✓ 2017 & 2018 Commercial Real Estate Reports
- ✓ 2017 & 2018 Multi-Family Rental and Condominium Surveys
- ✓ 2017 & 2018 Building Permits Reports
- ✓ 30-Year Population Estimations for Richland and Lexington Counties
- ✓ Tracking Annual Employment Estimations for Richland, Lexington, Newberry, & Fairfield Counties

Geographic Information Systems (GIS)

COATS has made considerable progress on maintaining its central GIS database library for use on all planning activities. Updated GIS data include: Functional Classification of the Federal Aid eligible road network, updated annotation layer for road names and shields, the compiling of ownership/jurisdiction data for all road systems in the MPO area. Specific milestones worth noting for this project area include, but are not limited, to the following:

- ✓ Continued coordination with member agencies to ensure that the most recent data is being used
- ✓ Continued file maintenance of COATS GIS data layers
- ✓ Continued the linkage of TransCad modeling data with GIS to allow for easy access;
- ✓ Created LMI and Transit Coordination Maps
- ✓ Provided maps that support CMRTA activities
- ✓ Continued updates of GIS data (i.e. population data, employment data, aerial photography, building permits), maintenance, and the necessary adjustments as required in support of various UPWP planning efforts that will utilize GIS data.
- ✓ Continued cartography/graphic support for visualization, public involvement, and scenario planning
- ✓ Continued to enhance employment GIS layers for various transportation projects.
- ✓ Continued transportation modeling of different scenarios (i.e. changes in land use patterns.)
- ✓ Updated and analyzed CMRTA Bus Routes for the Service and Fair Equity Project
- ✓ Created Bike/Pedestrian Maps and Data
- ✓ Analyzed New Census Data

Travel Demand Model

The Columbia Area Transportation Study (COATS) Travel Demand Model is a technical tool to assist in the development of the regional transportation plan and the policy decision making process. The travel demand model utilizes a traditional four-step trip-based model process consisting of trip generation, trip distribution, mode choice, and trip assignment to evaluate the current and future travel conditions for the MPO planning area. Major accomplishments under this effort are itemized below:

- ✓ Requests from consultants on regional projects
- ✓ Began Development of an RFP to update the 2040 LRTP
- ✓ Released the 2040 LRTP RFP for solicitation
- ✓ Received three (3) proposals for the 2040 LRTP Update
- ✓ Received approval from the CMCOG Executive Committee to negotiate a contract with WSP USA, Inc.
- ✓ Initiated 10-working day protest period
- ✓ Posted Award Notice on CMCOG website

Air Quality and Conformity

This task allows for COATS to ensure that it meets all requirements of Federal and State agencies in terms of air quality and conformity. Specifically, it allows the COATS to continue to provide for air quality planning initiatives and activities in the MPO area that comply with the conformity requirements of the Clear Air Act Amendments of 1990. The Technical Committee, Transportation Subcommittee, and Bike and Pedestrian Committee have received reports on the region's current air quality status. Major accomplishments under this effort are itemized below:

- ✓ Administered and conducted Clean Air Midlands meetings, our regional air quality coalition. This included coordinating presenters, creating the agenda, and communicating with group members.
- ✓ Currently in communication with Keep Midlands Beautiful to provide logistic support for a tree planting grant expected to come out later in the year.
- ✓ Communicated with the City of Columbia Public Works Sustainability Facilitator, Created a website for Clean Air Midlands.
- ✓ Attended Soda City Farmer's Market on Earth Day, providing support to the DHEC Air Quality Bureau, promoting Clean Air Midlands, and advocating air quality protection.

Calhoun County Transportation and Land Use Plan

This project consists of a land use and transportation assessment in the COATS MPO portion of Calhoun County. The project assessed the relationship between land use and transportation under current conditions and how future growth and development would affect the system.

- ✓ This project is over 45% complete
- ✓ Staff has developed a scope of work
- ✓ Scope of work was submitted to SCDOT for review and approval
- ✓ Approved scope of work was advertised in SCBO and the STATE Newspaper
- ✓ The MPO did not receive an adequate number of proposals to have a competitive process
- ✓ MPO reviewed any changes that were needed to its RFP
- ✓ MPO discussed RFP changes with the legal office at SCDOT
- ✓ MPO made minor revisions to the original RFP and re-advertised
- ✓ MPO received a total of three (3) proposal after the re-advertisement
- ✓ MPO identified 3 firms to be short listed for interviews
- ✓ MPO interviewed 3 consultants' teams
- ✓ Checked the references for the selected consultant
- ✓ Received approval from the CMCOG Executive Committee to negotiate with the selected consultant
- ✓ Posted the Intent to Award Notice
- ✓ Informed the unsuccessful bidders of the selection and their opportunity to protest
- ✓ Notified the selected consultant of the award and requested acknowledgement
- ✓ Received acknowledgement to accept the award

- ✓ Began negotiations on a final scope of work
- ✓ Completed preparations for Kickoff Meeting, to be held on August 8.
- ✓ Began research/data collection for the Demographic and Economic Profile.
- ✓ Conducted project Kickoff Meeting on August 8.
- ✓ Completed most of the data collection and GIS mapping for the first phase of the project
- ✓ Obtained COATS travel model network and five years of traffic crash data from SCDOT.
- ✓ Extracted traffic count history and TAZ level data/projections from the current COATS model.
- ✓ Completed traffic forecasts for each traffic count station based on 10 years of count history.
- ✓ Mapped crash data to help identify high crash locations within the study area.
- ✓ Completed analysis of Census data for the study area and Calhoun County for years 1990-2016.
- ✓ Developed preliminary population forecasts for the study area.
- ✓ Drafted brief questionnaire to distribute to Sandy Run School students and to large employers.
- ✓ Prepared Interim Memo 1
- ✓ Conducted Project Steering Committee (PSC) meeting on October 15
- ✓ Prepared notes to document discussions during PSC meeting, including growth patterns/issues and SWOT analysis
- ✓ Developed Community Viz land use model for population and land use forecasts, and completed the "Trend" and "Focused Growth" land use scenarios
- ✓ Scheduled and completed preparations for second PSC meeting and five Focus Group meetings for December 4-5
- ✓ Consulted with Central Carolina Alliance and Greenville Area Development Corporation regarding trends in fresh water and wastewater discharge volumes for industrial prospects in support of developing a concept plan for a wastewater collection system
- ✓ Scheduled PSC for January 10
- ✓ Developed cost estimates for the wastewater collection system concept plan
- ✓ Presented model scenario data at December PSC meeting and provide to SCDOT for input into COATS travel demand model to test traffic impacts of the scenarios
- ✓ Developed "Preferred" scenario in consultation with PSC and community
- ✓ Conducted five focus group meetings on December 4-5 to gather stakeholder input from key business and community leaders identified by the client.
- ✓ Held the second PSC meeting on December 5 to review input from focus groups and discuss next steps; agreed to hold a planning workshop on January 10 with PSC and focus group participants.
- ✓ Coordinated with City Explained to compile land use allocation data (households and employment) from Community Viz land use model and coordinated with Chowdhury Siddiqui at SCDOT planning office to develop TAZ data to run two

travel model scenarios testing the Trend Development and Compact Development scenarios using the SCDOT Statewide Model.

- ✓ Received output from SCDOT Statewide Model and began analysis of the differences in the transportation impacts of the two tested land use scenarios compared with the 2015 base year model.

Regional Freight Mobility Study

This study was to assess the current state of the region's freight transportation and logistics systems, determine the needs of the systems' principal users, develop a strategic vision to guide future policy development, and recommend priority improvements to the system. The major accomplishments include:

- ✓ This project is over 100% complete
- ✓ Conducted team coordination and CMCOG status calls
- ✓ Continued support of the project to general public and Technical Committee
- ✓ Consultant staff participated in the CMCOG Technical Committee on October 24th
- ✓ Coordinated with CMCOG and freight community members to establish a potential freight advisory committee
- ✓ Data compilation and analysis; development of project needs based on data analysis
- ✓ Development of draft project lists
- ✓ Coordinated to establish approach and understanding related to public engagement
- ✓ Coordinated with CDM Smith and SCDOT to open lines of communication for public comment sharing.
- ✓ Researched and compilation of local government comprehensive plan policies supportive of freight.
- ✓ Analysis of best practices in freight planning, peer review analysis and draft of best practices.
- ✓ Established draft outline of content for final plan and updated working draft to include finalized portions of the plan.
- ✓ Continued maintenance of project website and outreach to general public
- ✓ Coordinated with the freight community to establish a potential freight advisory committee
- ✓ Developed Draft Existing Conditions and Draft Economic Impact Executive Brochure
- ✓ Drafted and prepared final summary of public outreach for final plan document
- ✓ Finalized draft of prioritized freight needs project list and proposed policies and inclusion of projects and policies into final draft plan
- ✓ Developed draft project lists
- ✓ Finalization of Best Practices Technical Memorandum
- ✓ Inclusion of draft performance measures into draft final plan
- ✓ Submission of final drafts of Technical Memorandums and complete Freight Plan

- ✓ Finalization of Draft Land Use, Facility Infrastructure, and Regulatory Gap/Future Demand Technical Memorandum
- ✓ Completion of Draft Performance Measures identification and drafting of Technical Memorandum
- ✓ Initiation of Draft Performance Measures analysis and drafting of Technical Memorandum
- ✓ Presented the final report to the Technical Committee
- ✓ Began Final Project Closeout Activities
- ✓ Presented the final report to the CMCOG Board of Directors
- ✓ Presented the final report to the Transportation Subcommittee
- ✓ Continued Final Project Closeout Activities
- ✓ Completed final financial closeout

Cayce, West Columbia, & Springdale (West Metro) Bike and Pedestrian Master Plan

The purpose of this plan is to perform a bike and pedestrian master plan for the communities of Cayce, West Columbia, and Springdale. The plan will assess bike and pedestrian amenities in each community and enhance the connectivity between them. The major accomplishments include:

- ✓ This project is over 100% complete
- ✓ Conducted team coordination and CMCOG status calls
- ✓ Began developing bike share system recommendations.
- ✓ Completed project management and coordination.
- ✓ Conducted second round of public outreach, including meetings in Springdale on September 18, 2017 and West Columbia and Cayce on September 19, 2017.
- ✓ Created online virtual public meeting, complete with replica materials.
- ✓ Summarized comments received on draft network.
- ✓ Refined network based on public comments received.
- ✓ Continued drafting initial sections of final report.
- ✓ Prepared for and facilitated final Steering Committee meeting on November 28, 2017 to present draft plan and discuss implementation steps.
- ✓ Developed prioritization methodology.
- ✓ Finalized linear costs by facility type.
- ✓ Developed draft final report, complete with implementation plan, for presentation: at Steering Committee meeting on November 28, 2017.
- ✓ Refined final report based on steering committee comments and delivered to client for public distribution on December 22, 2017.
- ✓ Finalized bike share system recommendations.
- ✓ Presented the final report to the Technical Committee
- ✓ Presented the final report to the Transportation Subcommittee
- ✓ Presented the final report to the MPO Policy Committee
- ✓ Conducted team coordination and CMCOG status calls
- ✓ Presented the final report to the CMCOG Board of Directors
- ✓ Presented the final report to the City of West Columbia City Council

- ✓ Presented the final report to the City of Cayce City Council
- ✓ Presented the final report to the Town of Springdale Town Council
- ✓ Preparing the project for the final financial closeout
- ✓ Completed final financial closeout

Public Participation Plan

The purpose of this project is to establish a process for communicating with and obtaining input from the public concerning agency programs, projects, and program funding. The strategies and tactics outlined in the plan guide the agency's public outreach and involvement efforts for highway projects; construction; smart growth, environmental, and planning efforts; growth forecasts; the Regional Transportation Plan; Regional Transportation Improvement Program; LEP Consultation; and other initiatives. The major accomplishments include:

- ✓ This project is over 90% complete
- ✓ Continued development of new policies for consideration
- ✓ Continued review of using social media as a public participation tool
- ✓ Began developing the final draft
- ✓ Continued discussions with stakeholders about the effectiveness of local outreach tools
- ✓ Preparing for public review
- ✓ Continued discussions with stakeholders about the effectiveness of local outreach tools
- ✓ Continued preparing final draft for public review

Site Selection Study

The purpose of this project is to conduct a site selection analysis that will determine the preferred location for a Regional Transportation Intermodal Center. The project will be completed in partnership with the Comet Transit System. The major accomplishments include:

- ✓ This project is over 100% complete
- ✓ Completed an analysis and report on the public involvement questionnaires
- ✓ Completed advancement the environmental analysis for the top four preferred sites
- ✓ Completed outreached initiatives to real estate professionals
- ✓ Completed Conceptual Design
- ✓ Completed Analysis of Development Potential for Site and Area
- ✓ Completed Economic Impact Analysis
- ✓ Completed Public Involvement
- ✓ Presented the final plan to the CMRTA Board of Directors
- ✓ Presented the final plan to the Transportation Subcommittee
- ✓ Presented the final plan to the CMCOG Board of Directors
- ✓ Began Final Project Closeout Activities

- ✓ Project was formally accepted by the CMRTA Board of Directors
- ✓ Presented to the CMCOG Board of Directors
- ✓ Continued Final Project Closeout Activities
- ✓ Project was formally accepted by the MPO Policy Committee
- ✓ Completed final financial closeout

2040 Long-Range Transportation Plan

COATS has continued the process of implementing the 2040 Long-Range Transportation Plan with substantial work being completed during the past program year. The major accomplishments include:

- ✓ Provided staff assistance to complete the Greenride Rideshare.
- ✓ Provided staff assistance to begin the LRTP Update
- ✓ Provided GIS support and mapping support for various projects.
- ✓ Staff updated website content to the COATS website.
- ✓ Proposed Amendment(s) to the 2040 Long Range Transportation Plan include(s):
    - Annual TAP projects approved by the MPO Policy Committee
    - Addition of Saluda Greenway Feasibility Analysis
    - Addition of SCDOT's 2014 – 2016 Safety Performance Measures
    - Addition of SCDOT's 2015 – 2019 Safety Performance Measures
    - Addition of SCDOT's Pavement, Bridge, and System & Truck Travel Time Reliability Performance Measures
    - Addition of Transit Asset Performance Measures
- ✓ Amended LRTP to include SCDOT Safety Performance Measures
- ✓ Amended LRTP to include Performance Based Planning Section
- ✓ Began Development of an RFP to update the 2040 LRTP
- ✓ Development of an RFP to update the 2040 LRTP
- ✓ coordination with SCDOT on setting performance measures
- ✓ Released the 2040 LRTP RFP for solicitation
- ✓ Received three (3) proposals for the 2040 LRTP Update
- ✓ Received approval from the CMCOG Executive Committee to negotiate a contract with WSP USA, Inc.
- ✓ Initiated 10-working day protest period
- ✓ Posted Award Notice on CMCOG website

Transportation Projects Implementation

This task addresses the implementation of transportation planning projects that the staff has either completed, annually implements, or will completed in this fiscal year. Staff continues to implementation these transportation planning projects to meet Federal and State guidelines and improve and enhance the regional transportation system.

Chapin, Swansea, & Batesburg-Leesville Bike and Pedestrian Master Plan

The purpose of this plan is to perform a bike and pedestrian master plan for the communities of Chapin, Swansea, and Batesburg-Leesville. The plan will assess bike and pedestrian amenities in each community and enhance the connectivity between them. The major accomplishments include:

- ✓ This project is over 58% complete
- ✓ Staff has developed a scope of work
- ✓ Scope of work was submitted to SCDOT for review and approval
- ✓ Approved scope of work was advertised in SCBO and the STATE Newspaper
- ✓ A total of 4 proposals were received
- ✓ MPO assembled a review and selection team
- ✓ Interviewed all 4 consultant teams that submitted
- ✓ Checked the references for the selected consultant
- ✓ Received approval from the CMCOG Executive Committee to negotiate with the selected consultant
- ✓ Posted the Intent to Award Notice
- ✓ Informed the unsuccessful bidders of the selection and their opportunity to protest
- ✓ Notified the selected consultant of the award and requested acknowledgement
- ✓ Received acknowledgement to accept the award
- ✓ Began negotiations on a final scope of work
- ✓ Completed negotiations and finalized the scope of work
- ✓ Completed the protest period, no protest received
- ✓ Began negotiations of a contract
- ✓ Began discussions about a kick-off meeting
- ✓ Continued contract negotiation after changes were requested
- ✓ Prepared for and facilitated Project Kickoff meeting with CMCOG Staff and Town representatives.
- ✓ Coordinate with CMCOG and Town representatives to reschedule Workshop Week
- ✓ Developed and refined public participation plan.
- ✓ Developed outreach materials, including display boards and advertisement flyers.
- ✓ Finalized dates/venues for one-day workshops in each community.
- ✓ Finalized public outreach materials
- ✓ Developed base maps, input activities, online interactive maps, and surveys for workshop and open house events.
- ✓ Developed preliminary outline for master plan that includes specific sections for all three communities
- ✓ Begin review of existing plans and policies that have relevance to bicycle and pedestrian transportation in the study area.
- ✓ Initiated assembly of GIS database. Developed base map.
- ✓ Began localized demand analysis.
- ✓ Prepared, scheduled and facilitated stakeholder interviews in each municipality.

- ✓ Data collection and field review in each municipality.
- ✓ Prepared and facilitated open house public meetings in each municipality.
- ✓ Conducted analysis on existing conditions and connectivity for each community.
- ✓ Created a sidewalk inventory in GIS for each municipality.
- ✓ Developed preliminary network recommendations to be reviewed internally.
- ✓ Review public input feedback and comment for network development.
- ✓ Close online interactive map for public comment.
- ✓ Developed draft recommendations for each community.
- ✓ Created a sidewalk gap map for each Town.
- ✓ Conducted analysis for identifying key projects for the study area.
- ✓ Developed preliminary locations for priority projects in each community.
- ✓ Analyzed public input for network development.
- ✓ Developed public outreach summary content for final plan.
- ✓ Schedule steering committee meeting for January 15, 2019.
- ✓ Refined network maps for each community.
- ✓ Developed master plan outline with individual town sections.
- ✓ Initiated research for implementation plan content.
- ✓ Began photo renderings of each priority project.
- ✓ Drafted concept sketches to refine bicycle and pedestrian connectivity and safety for each project.
- ✓ Updated plan content and began writing for final plan deliverable.

Town of Blythewood Traffic Improvement Area Plan

This project consists of a land use and transportation assessment of the Town of Blythewood and the surrounding area. The project assessed the relationship between growth and development happening in and around the town and the impact it will have on the transportation network. The major accomplishments include:

- ✓ This project is over 45% complete
- ✓ MPO has developed a scope of work
- ✓ Scope of work was submitted to SCDOT for review and approval
- ✓ Approved scope of work was advertised in SCBO and the STATE Newspaper
- ✓ A total of 9 proposals were received
- ✓ CMCOG assembled a review and selection team
- ✓ Identified 3 firms to be short listed for interviews
- ✓ Interviewed 3 consultants teams and notified the remaining 6 of their status
- ✓ Checked the references for the selected consultant
- ✓ Received approval from the CMCOG Executive Committee to negotiate with the selected consultant
- ✓ Posted the Intent to Award Notice
- ✓ Informed the unsuccessful bidders of the selection and their opportunity to protest
- ✓ Notified the selected consultant of the award and requested acknowledgement
- ✓ Received acknowledgement to accept the award

- ✓ Began negotiations on a final scope of work
- ✓ Completed negotiations and finalized the scope of work
- ✓ Completed the protest period, no protest received
- ✓ Began negotiations of a contract
- ✓ Began discussions about a kick-off meeting
- ✓ Continued contract negotiation after changes were requested
- ✓ Conducted a project initiation meeting
- ✓ Identified an initial list of 21 intersections to be studied
- ✓ Identified the Technical Working Group
- ✓ Identified the Stakeholders Advisory Group
- ✓ Held a meeting with the Richland County Penny Program
- ✓ Began traffic counts on the identified intersections
- ✓ Began travel demand modeling
- ✓ Began environmental resource identification
- ✓ Began cultural resource identification
- ✓ Crash Data received from SCDOT was analyzed and is currently being used in the evaluation of preliminary recommendations for the study.
- ✓ The Project Team created existing and future land use maps using data collected. This information is currently being used in the analysis and development of preliminary recommendations.
- ✓ The Project Team has held several internal meetings reviewing the travel demand model analysis, crash data, cultural and environmental data and land use information. These discussions have centered on identification of network deficiencies, anticipated land use growth areas and discussions on potential recommendations. Numerous alternative solutions have been reviewed and forwarded into the design phase for additional analysis.
- ✓ With numerous preliminary recommendations being forwarded the Project Design Team has developed potential recommendations including various intersection improvements, widenings and new locations. These recommendations will be vetted in meetings with SCDOT, representatives from The Town of Blythewood, the Stakeholder and Technical Advisory Groups and ultimately the public.
- ✓ NHS Data within the study area boundary is currently being gathered and will be available for potential project use as relates to Performance Measures for the COATS study area.
- ✓ The Project Team has reviewed available cultural and environmental data for the study area and formulated this information into a technical memorandum. This information was sent to the various resource agencies for their review and comments.

Rail/Truck and Transit Planning

The purpose of this project was to include multi-modal transportation planning in the Metropolitan Planning Organization (MPO) process in order to effectively address rail, truck and

transit transportation issues, for moving both people and freight, as appropriate. Major accomplishments completed under this item include:

- ✓ Continued implementation of the Commuter Rail Plan
- ✓ Continued to monitor high speed rail activities in the upstate
- ✓ Continued research on a possible rail demonstration route
- ✓ Continued assessing land use along proposed rail routes
- ✓ Continued researching vehicle types that can provide rail and road services
- ✓ Continued implementation of the rail strategy

The objective of this project is to assess multi-modal options and develop alternatives for people to access the current transportation system safely, efficiently, and use it effectively.

Transportation Improvement Program

This project's purpose was to maintain and update the Transportation Improvement Program (TIP) for 2016-2022. Activities for this project will also ensure that the TIP has complied with the requirements of the Clean Air Act. Over the past two years, the following TIP Amendments have occurred:

- ✓ Continued implementation of the 2016-2022 Transportation Improvement Program
- ✓ Completed SCDOT STIP Corrections and Amendments
- ✓ SUBMITTED the following actions to the included in the STIP:
    - The addition of $425,655 in FY 2014 Section 5339 funds for the purchase of new fareboxes for the CMRTA.
    - The addition of $399,037 in FY 2015 Section 5339 funds for the purchase of automated passenger counters for the CMRTA.
    - The addition of $382,699 in FY 2016 Section 5339 funds for the purchase of a new telephone system and up to three (3) new staff cars.
    - The addition of $1,312,120 in FY 2015 Section 5307 funds for the purchase of 2 to 5 forty-foot buses for the CMRTA.
    - The addition of $1,060,000 in FY 2015 Section 5307 funds for preventive maintenance costs.
    - The addition of $464,000 in FY 2015 Section 5307 funds for the purchase of ADP Hardware for the fixed route fleet.
    - The addition of $758,200 in FY 2015 Section 5307 funds for the purchase of a camera system for each fixed route bus and funding will also be used to purchase new bus shelters as a continuance of an existing project.
    - The addition of $52,800 in FY 2015 Section 5310 funds for the purchase of two ADA accessible vehicle for Mental Illness Recovery Center.
    - The addition of $50,000 in FY 2015 Section 5310 funds for the purchase of one ADA accessible vehicle for the Kershaw County Disability and Special Needs Board.
    - The addition of $50,000 in FY 2015 Section 5310 funds for the purchase

of one ADA accessible vehicle for the Babcock Center.

- The addition of $8,068 in FY 2015 Section 5310 funds for administrative costs.
- The addition of $136,425.26 in FY 2017 TAP funds for the City of Columbia Bicycle Connectivity Sidewalk Project.
- The addition of $168,950.84 in FY 2017 TAP funds for the City of Columbia Greenview Sidewalk Project.
- The addition of $180,000 in FY 2017 TAP funds for the Richland County Clemson Road Shared-Use Path Project.
- The addition of $180,000 in FY 2017 TAP funds for the Richland County Alpine Road Shared-Use Path Project.
- The addition of $180,000 in FY 2017 TAP funds for the Kershaw County Wildwood Lane Sidewalk Project.
- The addition of $126,410 in FY 2017 TAP funds for the City of West Columbia Center Street Sidewalk & Crosswalk Project.
- The addition of $180,000 in FY 2017 TAP funds for the City of Cayce Frink Street Sidewalk Project.
- The addition of $104,309.47 in FY 2017 TAP funds for the Town of Chapin Lexington Avenue Sidewalk Phase II/III Project.
- The addition of 425,653 in FY 2017 Section 5339 funds from the FTA 2017 Full Year Federal Apportionment to the Columbia Urbanized Area.
- The addition of $4,555,743 in FY 2017 Section 5307 funds from the FTA 2017 Full Year Federal Apportionment to the Columbia Urbanized Area.
- The addition of 425,489 in FY 2017 Section 5310 funds from the FTA 2017 Full Year Federal Apportionment to the Columbia Urbanized Area.
- The removal of $2.4 million in Section 5307 funds from the South Main Street Streetscape Project.
- The addition of $292,000 in FY 2018 Guideshare funds for the Kitty Hawk Drive Sidewalk Project.
- The addition of $2.4 million in FY 2018 Guideshare funds for the South Main Street Streetscape Project.
- The addition of $32.7 in Guideshare funds for the construction of the Columbia Avenue Widening Project. This amount will be added to the existing $13 million in guideshare funds ($3 million for PE, $10 million for R/W) to complete a $45.7 financial plan.
- The addition of $1,640,500 in FY 2013 Section 5307 funds for vehicle replacement for the CMRTA.
- The transfer of 425,653 in FY 2017 Section 5339 funds to CMRTA for future project development.
- The addition of $156,941.00 in FY 2018 TAP funds for the City of Cayce Julius Felder Sidewalk Phase III.
- The addition of $180,000 in FY 2018 TAP funds for the City of West Columbia Meeting Street and State Street Area Improvements Project.
- The addition of $180,000 in FY 2018 TAP funds for the Kershaw

County Wildwood Lane Sidewalk Project.

- The addition of $35,964 in FY 2016 Section 5310 funds for the purchase of one ADA accessible vehicle for the Mental Illness Recovery Center.
- The addition of $40,000 in FY 2016 Section 5310 funds for the purchase of one ADA accessible vehicle for Senior Resources.
- The addition of $24,800 in FY 2016 Section 5310 funds for the purchase of one ADA accessible vehicle for the Babcock Center.
- The addition of $94,357 in FY 2016 Section 5310 funds for the purchase of ADP Software for the purpose of routing and scheduling vehicles for Senior Resources.
- The addition of $211,107 in FY 2016 Section 5310 funds to provide mobility management services for the Central Midlands Regional Transit Authority.
- The addition of $8,290 in FY 2016 Section 5310 funds for administrative costs.
- The addition of $60,000 in FY 2016 Section 5307 funds to Purchase Shop Equipment – Funds to go towards the purchase of a replacement bus washer.
- The addition of $972,364 in FY 2016 Section 5307 funds for Preventive Maintenance –The CMRTA is requesting federal funds to reimburse preventive maintenance costs incurred during FFY 2019.
- The addition of $200,000 in FY 2016 Section 5307 funds for ADP Hardware – The CMRTA is requesting funds for the ongoing purchase of computer/electronic related hardware needed for maintaining/improving administrative and/or transit services.
- The addition of $200,000 in FY 2016 Section 5307 funds for ADP Software – These funds would be applied toward monthly maintenance costs for TransLoc, Enveloc, etc. as well as various software upgrades.
- The addition of $418,884 in FY 2016 Section 5307 funds for Non-Fixed Route ADA Paratransit Service – The CMRTA is requesting these funds to help offset the costs of our ADA paratransit (DART) costs.
- The addition of $209,442 in FY 2016 Section 5307 funds for Employee Education/Training – The CMRTA requests funds to provide education and/or training to staff for the various functions as well as new training related to Automated Passenger Counters.
- The addition of $252,160 in FY 2016 Section 5307 funds to Acquire Mobile Fare Collection Equipment – Funds are requested for the purchase of 16 new fareboxes as well as a new vault.
- The addition of $836,000 in FY 2016 Section 5307 funds to Purchase Replacement 35-Ft Buses – Funds would be applied to the replacement of 7 existing propane-fueled buses.
- The addition of $40,000 in FY 2016 Section 5307 funds to Acquire Communications Systems – These funds would be used to overhaul the CMRTA's existing website to make it more informative and user friendly.

- The addition of $1,000,000 in FY 2016 Section 5307 funds for Operations – These funds would be applied towards fixed route and/or paratransit costs for services within Lexington and/or Richland County.
- The addition of $382,699 in FY 2016 Section 5339 funds to Purchase and installation of 8 bus shelters.
- The addition of $425,653 in FY 2017 Section 5339 funds to Purchase and installation of 9 bus shelters.
- The addition of $388,928 in FY 2018 Section 5339 funds to Rehab/Renovate Bus Terminal – These funds would be used to rehab the existing Assembly Street transit station.
- The addition of $80,000 in FY 2018 Section 5339 funds to Rehab/Rebuild 35 Ft Bus – CMRTA is requesting these funds to rewrap buses purchased in 2010.
- The addition of $163,648 in FY 2018 Section 5339 funds to Purchase and installation of 3 bus shelters.
- The addition of up to $4,555,743 in FY 2017 Section 5307 funds for service changes and enhancements to the existing transit system.
- The addition of up to $4,843,759 in FY 2018 Section 5307 funds for service changes and enhancements to the existing transit system.

Miscellaneous Activities & Special Technical Assistance

This task covers miscellaneous projects that are assigned from time to time, both short-term and infrequent long-term projects that do not warrant individual UPWP Tasks. Over the past year, staff participated in numerous minor efforts under this task to further the needs of both COATS and its member agencies. Over the past year the following has occurred:

- ✓ Monitored Ozone levels for region and review new proposed regulations
- ✓ Provided technical assistance to the member governments
- ✓ Tracked SC Legislative bills and funding for COG and local governments
- ✓ Updated STIP 2017-2022 with Revisions 7, 8, 9
- ✓ Mapped traffic count increases by TAZ
- ✓ Mapped Speed Limits and lanes based on 2016 Traffic counts data
- ✓ Composed TIP & RTIP projects books
- ✓ Researched population projections/forecasts versus Census data for region/MPO
- ✓ Held DBE Open house for 2017-2019 DBE goals & vendor assistance (7-11-2017)
- ✓ Verified SCDOT Socioeconomic Data for 2015 & 2045
- ✓ Participated in Rocky Branch Greenway implementing strategies meeting (7-12-2017)
- ✓ Attended Capital City Mill District open house (8-17-2017)
- ✓ Attended class on Performance based Planning & Programming (7-26, 27-2017)
- ✓ Updated history of SC 277 Extension/North –South Freeway
- ✓ Attended SC MPO/COG meeting (8-9-2017)
- ✓ Attended Health & Planning Regional Training (8-16-2017)
- ✓ Attended West / Metro Bike & Pedestrian Master plan drop in public meetings in Springdale (9-18-2017), West Columbia (9-19-2017) & Cayce (9-19-2017)

- ✓ Attended Carolina Crossroads I-20/26/126 Corridor Project Reasonable Alternatives Public Information Meeting (9-19-2017)
- ✓ Attended Public Information Meeting I-26/US 21 Exit 119 Interchange Improvements (9-26-2017)
- ✓ Attended Effective Target Setting for TPM (9-26,27-2017)
- ✓ Updated STIP 2017-2022 with Revisions 10, 11
- ✓ Attended meeting on Regional Freight Mobility Plan (10-6-2017)
- ✓ Attended safety meeting on Broad River Road [US 176] (10-11-2017)
- ✓ Attended Grant Management Workshop (10-16,17-2017)
- ✓ Attended COATS MPO & CMCOG Safety Workshop (11-1-2017)
- ✓ Attended on Exit 119 I-26 @ US 21 (12-5-2017)
- ✓ Evaluated RFP for Chapin, Swansea & Batesburg-Leesville Bike & Pedestrian Master Plan
- ✓ Evaluated RFP for Town of Blythewood Traffic Improvement Area Plan
- ✓ Updated STIP 2017-2022 with Revisions 12, 13, 14, 15
- ✓ Evaluated & interviewed RFP for Chapin, Swansea & Batesburg-Leesville Bike & Pedestrian Master Plan
- ✓ Evaluated & interviewed RFP for Town of Blythewood Traffic Improvement Area Plan
- ✓ Attended on I-26 Widening Exit 85 to 101 (3-13-2018)
- ✓ Attended public hearing Blythewood Road Widening S-59 **[**for RC 1 cent sales tax] (3-22-2018)
- ✓ Attended SC MPO/COG meeting (3-28-2018)
- ✓ Updated STIP 2017-2022 with Revisions 16, 17
- ✓ CTPP Oversight Board Webinar on Small Geography Data Reporting (4-3-2018)
- ✓ Reviewed and interviewed consulting firms for Calhoun County and Land Use Sub-area Plan [MPO area only] (4-17-2018)
- ✓ Downloaded and mapped 2017 traffic counts
- ✓ Attended joint meeting with CTCs, SCDOT planning, districts, safety, maintenance, etc. (4-24-2018)
- ✓ Attended public meeting on Farrow Road (SC 555) bridge replacement over railroad line (4-26-2018)
- ✓ Attended public meeting on Clemson Road @ Sparkleberry Road redesign **[**for RC 1 cent sales tax] (4-30-2018)
- ✓ Attended SCDOT, COG, MPO working session on Federal Performance Targets for Safety 2019, Pavement, Bridges and data coordination (5-8-2018)
- ✓ Attended SC Transportation Safety Planning Workshop - Pre-Workshop Webinar (5-15-2018)
- ✓ Attended Best Practices in Industry and Government Coordination for Developing Truck Parking Solutions –Webinar (5-16-2018)
- ✓ Attended public hearing Shop Road Widening S-727 **[**for RC 1 cent sales tax] (5-17-2018)
- ✓ Attended public hearing Assembly Street Railroad Separation Project (6-5-2018)
- ✓ Attended Alternative Fuel Corridor Convening (6-13-2018)
- ✓ Attended Complete Streets Advance Design workshop (6-27-2018)
- ✓ Researched Palmetto Health [Richland Memorial Hospital] staff shuttle service

- ✓ Attended public hearing Calhoun & Hampton St Road diets [for RC 1 cent sales tax] (6-28-2018)
- ✓ Updated STIP 2017-2022 with Revisions 18,19
- ✓ Attended TAM Plans for Small and Medium Providers –Webinar (7-11-2018)
- ✓ Attended SC Transportation Safety Planning workshop (7-25-2018)
- ✓ Attended Town of Blythewood Traffic Improvement Plan Technical Working Group Kickoff meeting (8-23-2018)
- ✓ Attended Carolina Crossroads Draft Environmental Impact Statement Public Hearing (8-23-2018)
- ✓ Attended Critical Urban and Critical Rural Freight Corridors Guidance & Designation Process–Webinar (8-29-2018)
- ✓ Attended Section 5310 application workshop (9-10-2018)
- ✓ Started Traffic Count Linear Regression Results to 2050 for COATS / CMCOG
- ✓ Updated STIP 2017-2022 with Revisions 20-21, 22
- ✓ Attended public meetings for Chapin, Swansea, Batesburg-Leesville Bike and Pedestrian Master plan (10-4-2018)
- ✓ Attended steering committee meeting for Calhoun County Transportation & Land Use Subarea Plan (10-15-2018) & (12-4-2018)
- ✓ Reviewed and evaluated Video Production Services proposals for CMRTA (10-16-2018)
- ✓ Attended CTPP PSAP Update on Small Geography Delineation Criteria & PSAP Participation Webinar (10-24-2018)
- ✓ Reviewed and evaluated proposals for Human Services Transportation Coordination Plan (11-29-2018)
- ✓ Reviewed and evaluated proposals for Regional Long-Range Transportation Plan (RLRTP), congestion Management Plan (CMP) and Regional Travel Demand Model (TDM) (Nov 2018)
- ✓ Attended public hearing Shop Road Extension to Garners Ferry Rd US 76/378 (12-6-2018)
- ✓ Attended National Coalition on Truck Parking Annual Meeting Web Conference (12-6-2018)

SUMMARY OF MAJOR PROGRAMMED ACTIVITIES

The 2020 & 2021 COATS Unified Planning Work Program (UPWP) is based on the COATS's 2040 Long-Range Transportation Plan, which was updated and approved by the Policy Committee on September 24, 2015. Emphasis has been placed on developing a program which can be reasonably accomplished with available staff and consultant resources and which is in keeping with the priorities of the COATS area. This 2020 & 2021 UPWP emphasizes activities that promote the implementation of the existing plan and establish a foundation for the plan's update.

The Moving Ahead for Progress in the 21st Century Act (P.L. 112-141) and other Federal legislation (1990 Clean Air Act Amendments and Americans With Disabilities Act of 1990) significantly impact the manner in which the cooperative, continuous and comprehensive transportation planning process is administered. Among the opportunities are funding flexibility, intermodal planning, protection of the environment and the maintenance and preservation of existing transportation infrastructure. Tasks within this work program are organized into several major categories to facilitate review and management as follows:

1 — Program Administration and Support
This category includes general administration, UPWP maintenance and development, and public participation.

2 — Short-Range Transportation Planning
This category includes projects which could be implemented in a shorter time frame and includes activities related to the vehicle data collection, a review of the functional classification system and Geographic Information Systems (GIS) activities.

3 — Long-Range Transportation Planning
The majority of UPWP projects fall under this category are either annual activities or projects that tend to take longer to complete.

4 — Transportation Improvement Program (TIP)
This category includes various tasks associated with the administration and maintenance of the TIP, which identifies projects and programs to receive various sources of federal funds covering highway, transit, and intermodal facilities and programs.

5 — Other Activities
This category includes miscellaneous activities and special technical assistance not otherwise covered.

6 — Budget Tables
Please note that the UPWP budget and work product delivery is illustrative until approved by SCDOT.

2020 & 2021 UNIFIED PLANNING WORK PROGRAM OVERVIEW

The 2020 & 2021 Unified Planning Work Program (UPWP) is based on COATS's 2040 Long-Range Transportation Plan, updated and approved by COATS Policy Committee on September 24, 2015. The goals for this program year are threefold:

Goal #1: To complete outstanding 2018 & 2019 UPWP tasks
Goal #2: To commence and complete new 2020 & 2021 UPWP tasks
Goal #3: To proceed with existing and proposed recurring activities

Goal #1
In order to attain Goal #1, the following specific projects carried over from the 2018 & 2019 UPWP will be continued:

- Human Services Transportation Coordination Plan
- Long Range Transportation Plan Update
- Travel Demand Model Update
- Congestion Management Plan Update

Goal #2

Goal #2 will be achieved by completing the following new 2020 & 2021 tasks:
- Short Range Transit Plan, Origin, Destination, & Demographic Survey, and Comprehensive Operational Analysis
- Regional BikeShare Plan
- Regional ITS Architecture Plan

Goal #3

The tasks below make up the remainder of the program and are either required necessary or annual activities.

- General Administration
- Professional Services
- Public Participation
- UPWP Maintenance and Development
- Data Collection, Compilation and/or Analysis
- Transportation Project Implementation
- Geographic Information Systems
- Air Quality Conformity
- Long-Range Transportation Plan
- Rail, Truck and Transit Planning
- TIP Development and Maintenance
- Miscellaneous Activities & Special Technical Assistance
- Environmental Mitigation, Agency Consultation, and Safety & Security

Some of these tasks result in an annual report that is reviewed and approved by the appropriate COATS Committee(s), while others are simply a required or necessary aspect of the MPO planning process.

UNIFIED PLANNING WORK PROGRAM

FY 2020 & 2021

1 — PROGRAM ADMINISTRATION and SUPPORT

1A — General Administration

1B — Professional Services

1C — Public Participation

1D — UPWP Maintenance and Development

PROJECT NO:	**1A**
PROJECT TITLE:	**General Administration**

OBJECTIVE:

To initiate and properly manage the transportation planning process, ensuring that it is continuous, cooperative, and comprehensive, and in compliance with applicable State and Federal laws and regulations.

METHODOLOGY:

COATS provides staff support to the Policy, Executive, Transportation Subcommittee, and Technical Committee in addition to other permanent and ad-hoc committees. The staff will implement the work task as contained in this UPWP. Other administrative activities included, but are not limited to the following:

- Acts as local liaison to FHWA, FTA, SCDOT, and other transportation related agencies to ensure coordination
- Provide administrative support and technical assistance to the Policy and Executive Committee, Transportation Subcommittee, Technical Committee as well as other permanent and ad-hoc committees, as needed;
- Maintain financial records of all revenues and expenditures
- Prepare and distribute meeting notices and agenda packages for all COATS committees
- Prepare certification documentation, agreements, resolutions, memoranda of understanding (MOU's), etc.;
- Attend SCDOT, FHWA, FTA, and MPO training sessions and other necessary workshops and meetings;
- Maintain agreements between local governmental agencies and the MPO
- Interact/participate in AMPO, APA, and other professional affiliations, to allow for appropriate resources, travel and training as necessary;
- Provide funds for the purchase and maintenance of computer hardware and software to support the MPO planning program and related activities, including network maintenance;
- Continue COATS commitment to comply with Title VI of the Civil Rights Act of 1964
- Continue COATS commitment to ensure that all of their programs and activities sufficiently address Environmental Justice principles and procedures, as appropriate; and
- Continue to comply with the SCDOT and FTA DBE Programs

END PRODUCT:

The MPO staff will provide the supportive functions in the development of MPO documents and reports as well as staff all MPO meeting for the Policy Committee which meets monthly; the Transportation Subcommittee which is scheduled to monthly; and the Technical Committee which is scheduled to meet monthly. The MPO staff will provide all administrative functions to operate and support MPO activities.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 35,000.00 **LOCAL** $ 8,750.00	**FHWA/FTA Consolidated** $ 0.00 **LOCAL** $ 0.00
Participating Agencies: COATS, Other agencies as appropriate	**TOTAL** $ 43,750.00	**TOTAL** $ 0.00

PROJECT NO:	**1B**
PROJECT TITLE:	**Professional Services**

OBJECTIVE:

To allow staff to utilize a procured consultant for specific engineering, planning, or other necessary services as needed in support of the various annual planning activities at COATS.

METHODOLOGY:

This task provides access to expert professional services when required by staff in support of the various annual planning activities. Specifically, it allows COATS to retain the services of procured consultants to assist with specific technical activities associated with a given project where current staff expertise may not be sufficient.

Examples include, but are not limited to:

- Developing the Calhoun County Transportation and Land Use Plan (recently completed J. R. Wilburn);
- Developing the Chapin, Swansea, & Batesburg-Leesville Bike and Pedestrian Master Plan (currently being conducted by Toole Design Group);
- Developing the Town of Blythewood Traffic Improvement Area Plan (recently completed by AECOM);
- Developing the Human Services Transportation Coordination Plan (currently being conducted by RLS & Associates);
- Coordinate with CMRTA to conduct Short Range Transit Plan, Origin, Destination, and Demographics Survey, and a Comprehensive Operational Analysis;
- Implement Transportation Planning Activities as prescribed by law; and
- Other skills that may be necessary to support the UPWP but may be currently absent at the staff level.

The South Carolina Department of Transportation and the Federal Highway Administration will have the opportunity to comment on FHWA funded proposals and contracts before soliciting and/or executing for consulting services.

END PRODUCT:

The MPO staff will hire a consultant to assist the MPO staff in the development of planning reports and activities. A consultant may be hired to perform on-call technical support.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 35,000.00	**FHWA/FTA Consolidated** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**LOCAL** $ 8,750.00	**LOCAL** $ 0.00
	TOTAL $ 43,750.00	**TOTAL** $ 0.00

PROJECT NO:	**1C**
PROJECT TITLE:	**Public Participation**

OBJECTIVE:

To enhance COATS transportation planning process with greater opportunities for public participation, input involvement, and exposure.

METHODOLOGY:

This task generally provides for the dissemination of information to the public about the transportation planning program. It also covers receiving public comment and input on transportation planning activities through public information meetings both hosted and attended by COATS.

Specifically, this task includes the development of strategies for improving the public's access to the MPO Planning process, including all stages of the development of MPO Planning documents and studies.

As part of the task, COATS will continue to ensure that the principles of Environmental Justice, including minority and low income communities; and non-English speaking populations are included and represented in all public outreach efforts.

Techniques for the dissemination of information include, but are not limited to the following:

- Brochures, flyers, and maps;
- Study reports and technical memoranda;
- Public information meetings/workshops and conferences;
- Media releases, press articles, and paid advertisement/features;
- Direct contact with public/citizens mailing lists;
- COATS website (www.centralmidlands.org).

Public participation opportunities (public input) include:

- Public meetings/workshops;
- Task Forces, focus groups;
- Surveys, questionnaires, comment cards, etc.

COATS will document the attendance and public comments received to evaluated the effectiveness of the current public involvement practices at all COATS functions.

END PRODUCT:

Public participation opportunities/activities, including CMCOG newsletters, reports, press releases, maps, and slide presentations, web site maintenance, meetings, workshops, etc.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 25,000.00	**FHWA/FTA Consolidated** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**LOCAL** $ 6,250.00	**LOCAL** $ 0.00
	TOTAL $ 31,250.00	**TOTAL** $ 0.00

PROJECT NO:	**1D**
PROJECT TITLE:	**UPWP Maintenance and Development**

OBJECTIVE:

Maintain the current 2020 & 2021 Unified Planning Work Program (UPWP) and develop a subsequent work program.

METHODOLOGY:

This task includes all necessary work required to process amendments to the 2020 & 2021 UPWP.

In addition, this task will allow for the development of the 2022 & 2023 UPWP during the 2020 & 2021 program years.

The UPWP indicates local, state, and federal FHWA/FTA Consolidated funding of the UPWP tasks and identifies the participating agencies for completing the work. The UPWP will be developed according to measures deemed necessary to ensure a "3C" planning process; this is one that is continuing, cooperative, and comprehensive. Copies of the UPWP will be published after approval by the Policy Committee (CMCOG Board of Directors).

END PRODUCT:

Maintenance and amendments to the 2020 & 2021 UPWP as necessary and appropriate and the development of the 2022 & 2023 UPWP.

Project Sponsor/Participating Agencies:	Funding Sources:	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 25,000.00	**FHWA/FTA Consolidated** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**LOCAL** $ 6,250.00	**LOCAL** $ 0.00
	TOTAL $ 31,250.00	**TOTAL** $ 0.00

UNIFIED PLANNING WORK PROGRAM

FY 2020 & 2021

2 — SHORT-RANGE TRANSPORTATION PLANNING

2A — Data Collection, Compilation, and/or Analysis

2B — Transportation Projects Implementation

2C — Geographic Information System (GIS)

PROJECT NO:	**2A**
PROJECT TITLE:	**Data Collection, Compilation, and/or Analysis**

OBJECTIVE:

To collect, analyze and utilize various forms of data that assist in the everyday planning operation of the Metropolitan Planning Organization (MPO).

METHODOLOGY:

This UPWP task involves the following subcategories:

- Vehicle Data Collection: The collection of traffic count data and a travel time survey required in support of COATS planning activities. This will be done in accordance with the traffic count information provided by SCDOT. Additionally, this subcategory will include the ongoing effort of maintaining a central database of vehicle traffic counts for the MPO area.

- Building Permits: This study tracks construction activity through building permits issued by local governments for residential and commercial structures. This information is used in population projections studies and growth analysis for the central midlands region.

- Population Projections: This study uses population projections developed by the US Census Bureau at the State level and County level projections developed by the Office of Research & Statistics. The Central Midlands staff analyzes population growth trends and further disseminates the data into Census Tracts.

- 2010 Census & Annual American Community Survey (ACS): a) Participate as a Regional Census data affiliate agency. b) Obtain and review data from Census Bureau to support transportation planning. c) Review and update Traffic Analysis Zone (TAZ) boundaries. d) Prepare analyses of data released by Census Bureau (publish on website, maps and agency documents)

END PRODUCT:

The end products are Vehicle, Population, Building Permits and Census reports. This data is used in the various multi-modal studies and activities undertaken by COATS.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS, CMCOG	**FHWA/FTA Consolidated** $ 35,000.00	**FHWA/FTA Consolidated** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**LOCAL** $ 8,750.00	**LOCAL** $ 0.00
	TOTAL $ 43,750.00	**TOTAL** $ 0.00

PROJECT NO:	**2A - CONTINUED**
PROJECT TITLE:	**Data Collection, Compilation, and/or Analysis**

OBJECTIVE:

To collect, analyze and utilize various forms of data that assist in the everyday planning operation of the Metropolitan Planning Organization (MPO).

PURPOSE:

The Central Midlands Council of Governments and the COATS MPO analyzes population, building permits, and employment data sets in order to monitor the growth and development of residential and commercial trends and activities that assists the COG and MPO in planning for current and future transportation needs. These data sets are in concert with the following FAST Act planning factors:

- Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvement and State and local planned growth and economic development patterns.
- Enhance the integration of connectivity of the transportation system, across and between modes, people, and freight.
- Promote efficient system management and operation

Neither CMCOG nor COATS MPO dictate land use decisions within the Central Midlands and COATS planning areas. These decisions often have a major impact on traffic flows and congestion issues within our transportation network. In order to plan, review, and potentially mitigate this transportation issues, these surveys/reports are used to:

- Identify where current residential and commercial growth is occurring
- Identify potential corridors that may be impacted by continuing growth and development
- Identify the density and types of development that may be conducive to other modes of transportation other than single occupancy vehicles
- Assists in improving the coordination between land use and transportation
- Supports our CMP by allowing us to consider other types of transportation improvements before consideration is given to capacity expansion
- Identify potential census tracts where high traffic generators are located
- Identify employment sectors
- Provides current and forecasted demographics variables and input for long and short range transportation modeling purposes

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS, CMCOG	**FHWA/FTA Consolidated $ 0.00** **LOCAL $ 0.00**	**FHWA/FTA Consolidated $ 0.00** **LOCAL $ 0.00**
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**TOTAL $ 0.00**	**TOTAL $ 0.00**

PROJECT NO:	**2B**
PROJECT TITLE:	**Transportation Projects Implementation**

OBJECTIVE:

To implement past and present transportation planning projects that will address the planning factors of the FAST Act.

METHODOLOGY:

This task will address the implementation of transportation planning projects that the staff has either completed, annually implements, or will be completed in this fiscal year. Projects that will be implemented included:

- Regional Freight Mobility Plan
- Regional Congestion Management Plan
- Human Services Transportation Coordination Plan - UPDATE
- Regional Site Selection Study
- 2040 Long Range Transportation Plan
- Cayce, West Columbia, & Springdale Bike and Pedestrian Master Plan
- Chapin, Batesburg-Leesville, & Swansea Bike and Pedestrian Master Plan
- COATS TransCad Travel Demand Model
- Public Participation Plan
- Blythewood Traffic Improvement Area Plan
- Walk/Bike Columbia Bicycle and Pedestrian Master Plan & Bike Share Plan
- Transportation Alternatives Program
- Regional Growth and Development Plan
- Kershaw County Transportation Feasibility Study
- Calhoun County Transportation and Land Use Study
- MPO Website
- Title VI Plan
- Language Assistance Plan
- DBE Plan

** Please be advised that the COATS MPO will navigate the SCDOT LPA process prior to initiating any work that involves the hiring of a contractor or consultant**

END PRODUCT:

Development and implementation of transportation planning projects.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 35,000.00	**FHWA/FTA Consolidated** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**LOCAL** $ 8,750.00	**LOCAL** $ 0.00
	TOTAL $ 43,750.00	**TOTAL** $ 0.00

PROJECT NO:	**2C**
PROJECT TITLE:	**Geographic Information System (GIS)**

OBJECTIVE:

To manage the data and software requirements necessary for maintaining and using COATS GIS to support the MPO planning activities (transportation, GIS layers, modeling, mapping, etc.).

METHODOLOGY:

The COATS GIS department routinely utilizes GIS technology for transportation planning and analysis. These efforts include but are not limited to: GIS coordination with member governments; spatial database inventorying, management and administration; vehicle traffic count analysis; environmental screening; demographics and research; Environmental Justice/Title VI compliance; and travel demand modeling.

Anticipated activities include:

- Continued coordination with member agencies to ensure that the most recent data is being used;
- Ongoing GIS database management and QA/QC of all data layers;
- Continued updates and QA/QC of data layers generated in house (e.g., population and employment forecasts, traffic counts, project lists, etc.);
- Continued GIS support for various UPWP planning efforts
- Cartography/Graphic support for visualization, public involvement, and scenario planning;
- Continued update and refinement of regional travel demand model and all associated input and output data sources;
- Travel Demand modeling as needed for various UPWP planning efforts;
- GIS data and Travel Demand Modeling coordination with consultants as required for various UPWP planning efforts.
- Update and maintenance of GIS hardware and software components and associated Information Technology infrastructure and support as needed.
- Update and maintain TAZ boundaries and census data

END PRODUCT:

Enhanced coordination between COATS and various federal, state, and local agencies to allow for up-to-date GIS data and files. Additionally, enhanced data sets and mapping that support the monitoring the surveillance of land use, population, employment, school enrollment, and highways.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated** $ 35,000.00 **LOCAL** $ 8,750.00 **TOTAL** $ 43,750.00	**FHWA/FTA Consolidated** $ 0.00 **LOCAL** $ 0.00 **TOTAL** $ 0.00

UNIFIED PLANNING WORK PROGRAM

FY 2020 & 2021

3 — LONG-RANGE TRANSPORTATION PLANNING

3A — Air Quality and Conformity

3B — Human Service Transportation Coordination Plan Update

3C — Long-Range Transportation Plan

3D — Rail, Truck and Transit Planning

3E — Travel Demand Modeling

3F — Sustainable Communities & Scenario Planning

3G — Bike, Pedestrian, and Greenway Planning

3H — Environmental Mitigation, Agency Consultation, and Safety & Security

3I — Regional Transit ITS Architecture

3J — MPO Regional Planning Initiatives

3K — COATS MPO Resiliency Plan

3L — Public Participation Plan

3M — Section 5307 Planning Projects

3N — Saluda Greenway Feasibility Study

3O — Congestion Management Plan

3P — Regional Growth and Development Planning

** Please be advised that the COATS MPO will navigate the SCDOT LPA process prior to initiating any work that involves the hiring of a contractor or consultant**

PROJECT NO:	**3A**
PROJECT TITLE:	**Air Quality and Conformity**

OBJECTIVE:

To continue to provide for air quality planning initiatives that complies with conformity requirements of the Clean Air Act.

METHODOLOGY:

Activities continue to increase due to changes in the regulations governing air quality and transportation planning. Air quality activities are related to the Transportation Improvement Program (TIP) and Long-Range Plan (LRTP) conformity determination, Congestion Mitigation Air Quality (CMAQ) project-specific analysis as well as other projects and programs at the federal, state, and local levels. COATS will continue to expand its cooperative relationship with all of the appropriate agencies to address the necessary requirements. These efforts are designed to enhance local ambient air quality as part of the overall strategy to meet Federal and State clean air regulations, promote public health, and assist local development. Coordination and communication with the South Carolina Department of Health and Environmental Control (SCDHEC) and SCDOT.

Activities will include:

- **Air Quality Coalition**
- Development of an Air Quality Improvement Strategy
- Participation in the SC Energy Office Alternative Fuels Program
- Air Quality Assessments on the TIP and the LRTP
- **Transportation Conformity Awareness -** (to provide basic information about conformity requirements and the relationship of the transportation and air quality planning processes in order to prepare staff (and related agency personnel) on interagency collaboration and working effectively in resolving conformity issues).
- **Development of a Transportation Demand Management website -** (a comprehensive look at links and information for reducing highway/roadway demand for commuters across the region. Website will feature links to bicycling, walking, transit, air quality, and ridesharing/carpooling programs)

END PRODUCT:

Development of a Transportation Demand Management website. Continued participation in the Air Quality Coalition. Continued development and expansion of the Air Quality website.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated** $ 50,000.00 **LOCAL** $ 12,500.00 **TOTAL** $ 62,500.00	**FHWA/FTA Consolidated** $ 0.00 **LOCAL** $ 0.00 **TOTAL** $ 0.00

PROJECT NO:	**3B**
PROJECT TITLE:	**Human Service Transportation Coordination Plan**

OBJECTIVE:

To develop an implementation plan that will enhance coordination in order to address the existing gaps in services that are currently been provided by the human service agencies.

METHODOLOGY:

The Central Midlands Council of Governments seeks the opportunity to develop a comprehensive transit development plan based upon its Human Services Transportation Coordination Plan that was completed in October 2014. The transit development plan will identify the transportation needs of individual with disabilities, the elderly, and individuals with low income for each county in the Central Midlands region. The plan will identify new strategies and strengthen the current infrastructure for meeting those local and regional needs in an economically feasible approach for funding and service implementation.
The strategy for this planning proposal is operationally defined as:

- Assessing and documenting transportation needs of the Central Midlands region for individuals with disabilities, older adults, and persons with limited incomes;
- Inventory available services and identify areas of redundancy and gaps in service;
- Identify and document restrictions on eligibility for funding;
- Identify and document short- and long-range strategies to address the identified gaps in service, including mobility management strategies;
- Identify and document technological resources currently available and appropriate for coordination of transportation services;
- Identify and document coordination actions to eliminate or reduce duplication in services and strategies for more efficient utilization of resources; and
- Document and prioritize implementation strategies to increase coordination of transportation services.

As part of the quarterly reporting to FTA, CMCOG will track the progress of this project. Quarterly reports will be submitted in July, October, January, and April.

END PRODUCT:

An updated Human Services Transportation Coordination Plan

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated** $ 20,000.00 **FTA (Section 5307)** $198,000.00 **LOCAL** $ 54,500.00 **TOTAL** $272,500.00	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00 **TOTAL** $ 0.00

PROJECT NO:	**3C**
PROJECT TITLE:	**Long Range Transportation Plan**

OBJECTIVE:

To continue implementation of the 2040 Long Range Transportation Plan (LRTP) and begin development of the 2045 LRTP

METHODOLOGY:

The Long Range Transportation Plan is a long-range (20+year) strategy and capital improvement program developed to guide the effective investment of public funds in multi-modal transportation facilities. The plan is updated every 5 years and may be amended as a result of changes in projected Federal, State and local funding, major improvement studies, Congestion Management Process plans, interchange justification studies, and environmental impact studies. The Plan provides the context from which the region's Transportation Improvement Program (TIP), a short-range capital improvement program for implementing highway, transit, and bikeway projects.

The COATS MPO will continue its implementation of the 2040 Long Range Transportation Plan with was approved on September 24, 2015. The COATS MPO will begin the process of updated the LRTP to the horizon year of 2045. This update will include all requires of the FAST Act as well as any requirements as identified by SCDOT.

The 2045 LRTP for the Columbia Urbanized Area will set investment priorities for the multimodal transportation system that connects people to places where they live, work, play, and efficiently moves goods from, to and through the region.

The plan is updated every five years in coordination with the state, transit providers, local public agencies, freight interests, and public and private community organizations, it will:

- Assess current regional transportation system performance
- Forecast future demand for regional mobility
- Estimate reasonably available funding
- Track progress towards system performance targets

END PRODUCT:

Implementation of the 2040 Long Range Transportation Plan. Development of the 2045 LRTP.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA** **Consolidated $ 135,000.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 33,750.00** **TOTAL $168,750.00**	**FHWA/FTA** **Consolidated $ 0.00** **FTA (Section 5307) $ 0 .00** **LOCAL $ 0.00** **TOTAL $ 0.00**

PROJECT NO:	**3D**
PROJECT TITLE:	**Rail, Truck and Transit Planning**

OBJECTIVE:

To include multi-modal transportation planning in the Metropolitan Planning Organization (MPO) process, in order effectively address rail, truck and transit transportation issues for moving people and freight, as appropriate.

METHODOLOGY:

Commuter Rail Feasibility Assessment

CMCOG will assess the feasibility of establishing a commuter rail service through the following steps:

- Reviewing current and projected populations along the designated corridors
- Analyzing freight movement
- Investigating funding options and opportunities
- Investigating interest and support in establishing service

Charlotte-Columbia Alternative Analysis – CMCOG will engage to interest of Amtrak to establish a passenger rail connector between the City of Columbia and the City of Charlotte. This connector may require a feasibility study and an engineering study to determine the type of improvements that will be needed to establish passenger rail service between Columbia and Charlotte.

END PRODUCT:

An assessment of high capacity transit options between Charlotte and Columbia. Monitoring of rail transit activities.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $140,000.00	**FHWA/FTA Consolidated** $ 0.00
	FTA (Section 5307) $ 0.00	**FTA (Section 5307)** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**LOCAL** $ 35,000.00	**LOCAL** $ 0.00
	TOTAL $175,000.00	**TOTAL** $ 0.00

PROJECT NO:	**3E**
PROJECT TITLE:	**Travel Demand Modeling**

OBJECTIVE:

To continue the efforts of migrating to a new software platform for Travel Demand Modeling and to expand upon its development.

METHODOLOGY:

Travel Demand Modeling

Travel forecasting models are used to predict changes in travel patterns and the utilization of the transportation system in response to changes in regional development, demographics, and transportation supply. Modeling travel demand is a challenging task, but one that is required for rational planning and evaluation of transportation systems. The COATS MPO completed the development of its 2035 TransCad Travel Demand Model in FY 08 and will continue implementation of this transportation tool to evaluate and enhance the regional transportation system.

Activities shall include:

External Station Survey	Development of a TAZ Database
Updated Population Data	Updated Employment Data
Interim Planning Years	2045 or 2050 Horizon Year
Developing Performance Measures	Origin to Destination Survey

Hiring an on-call consultant. The COATS Travel Demand Model is expected to be completed in FY 2020.

END PRODUCT:

Development of a new travel demand model.

Project Sponsor/Participating Agencies:	Funding Sources: FY 2020		Funding Sources: FY 2021	
Sponsor: COATS	**FHWA/FTA Consolidated**	**$ 120,000.00**	**FHWA/FTA Consolidated**	**$ 0.00**
	FTA (Section 5307)	**$ 0.00**	**FTA (Section 5307)**	**$ 0.00**
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**LOCAL**	**$ 30,000.00**	**LOCAL**	**$ 0.00**
	TOTAL	**$150,000.00**	**TOTAL**	**$ 0.00**

PROJECT NO:	**3F**
PROJECT TITLE:	**Sustainable Communities & Scenario Planning**

OBJECTIVE:

To create strong, sustainable communities by connecting housing to jobs, fostering local innovation, and helping to build a clean energy economy.

METHODOLOGY:

Sustainable communities are places that have a variety of housing and transportation choices, with destinations close to home. As a result, they tend to have lower transportation costs, reduce air pollution and stormwater runoff, decrease infrastructure costs, preserve historic properties and sensitive lands, save people time in traffic, be more economically resilient and meet market demand for different types of housing at different prices points. Rural, suburban, and urban communities can all use sustainable community's strategies and techniques to invest in healthy, safe and walkable neighborhoods, but these strategies will look different in each place depending on the community's character, context, and needs.

Developing more sustainable communities is important to our regional goals of strengthening our economy, creating good jobs now while providing a foundation for lasting prosperity, using energy more efficiently to secure energy independence, and protecting our natural environment and human health. Three federal agencies came together to create the Partnership for Sustainable Communities to help places around the country develop in more environmentally and economically sustainable ways. This task will coordinate with the communities in our region to implement the six (6) principles of livability:

- Provide more transportation choices.
- Promote equitable, affordable housing.
- Enhance economic competitiveness.
- Support existing communities.
- Coordinate and leverage federal policies and investment.
- Value communities and neighborhoods.

END PRODUCT:

Foster and encourage local innovation, create an partnership across the Central Midlands region and provide resources and tools to help communities realize their own visions for building more livable, walkable, environmentally sustainable region.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated** $ 35,000.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 8,750.00 **TOTAL** $ 43,750.00	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00 **TOTAL** $ 0.00

PROJECT NO:	**3G**
PROJECT TITLE:	**Bike, Pedestrian, and Greenway Planning**

OBJECTIVE:

To include multi-modal transportation planning in the Metropolitan Planning Organization (MPO) process, in order to effectively address pathways and greenways transportation issues. Activities under this task will also contribute to improved air quality in the MPO area.

METHODOLOGY:

Provide input and technical assistance from a multi-modal perspective to all COATS transportation projects in order that bicycle and pedestrian travel are given appropriate consideration in any given COATS project;

- Conduct data collection, identify and assess existing conditions, develop and evaluate alternatives and/or prepare recommendations as required;
- Identify issues of concern within the multi-modal arena for which a focused substantive transportation study may be appropriate;
- Provide staff support to multi-modal advisory committees and utilize, as appropriate, the committees as resources for providing input to specific multi-modal projects as well as multi-modal program development; and
- Work with communities to develop bike and pedestrian master plans.
    - Regional Bikeshare Plan (3G-1)

END PRODUCT:

Development of Bike and Pedestrian Plans for local governments. Development of Bike and Pedestrian Policies for comprehensive plans. Coordination of bike and pedestrian planning activities.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated** $ 125,000.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 31,250.00 **TOTAL** $ 156,250.00	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00 **TOTAL** $ 0.00

PROJECT NO:	**3H**
PROJECT TITLE:	**Environmental Mitigation, Agency Consultation, and Safety & Security**

OBJECTIVE:

Transportation Related Land Use and Environmental Planning

METHODOLOGY:

This project is based on the recognition that the way we develop our cities, towns and suburbs has a tremendous impact on the costs and efficiency of all modes of transportation. Unplanned sprawl can have a number of effects on transportation and environmental quality, including increasing the average vehicle miles traveled, undermining efforts to provide mass transit, overburdening of roads and intersections, diminished air quality and water quality, and loss of green space. The activities involved in this project will seek to help our local governments develop and implement land use policies that support regional transportation and environmental objectives.

Proposed activities include:

- Preparing transportation elements for member local comprehensive plans. This will be done in coordination with overall comprehensive plan updates as well as plan amendments needed to comply with the SC Priority Investment Act, which introduces new standards for transportation and capital improvements planning.

- Development of policies, proposals and programs to mitigate the environmental impacts of transportation facilities, including green infrastructure planning (linking together major, protected green spaces into a regional system); watershed-based planning; low impact development strategies; development of wetlands and stream mitigation banking opportunities, and promotion of trip-reduction strategies.

END PRODUCT:

Development of transportation elements for local comprehensive plans. Development of environmental tools that monitor and evaluate the environmental impact to the transportation network.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 35,000.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 8,750.00	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**TOTAL** $ 43,750.00	**TOTAL** $ 0.00

PROJECT NO:	**3I**
PROJECT TITLE:	**Regional Transit ITS Architecture**

OBJECTIVE:

To explore and define transportation technologies that are used to communicate and disseminate information throughout the region.

METHODOLOGY:

A regional ITS architecture shall be developed to guide the development of ITS projects and programs and be consistent with ITS strategies and projects contained in applicable transportation plans. The National ITS Architecture shall be used as a resource in the development of the regional ITS architecture. The regional ITS architecture shall be on a scale commensurate with the scope of ITS investment in the region. Provision should be made to include participation from the following agencies, as appropriate, in the development of the regional ITS architecture: highway agencies; public safety agencies (e.g., police, fire, emergency/medical); transit agencies; federal lands agencies; state motor carrier agencies; and other operating agencies necessary to fully address regional ITS integration.

a. Any region that is currently implementing ITS projects shall have a regional ITS architecture.

b. All other regions not currently implementing ITS projects shall have a regional ITS architecture within four years of the first ITS project for that region advancing to final design.

c. The regional ITS architecture shall include, at a minimum, the following:

   1. A description of the region;

   2. Identification of participating agencies and other stakeholders;

   3. An operational concept that identifies the roles and responsibilities of participating agencies and stakeholders in the operation and implementation of the systems included in the regional ITS architecture;

   4. Any agreements (existing or new) required for operations, including at a minimum those affecting integration of ITS projects; interoperability of different ITS technologies, utilization of ITS-related standards, and the operation of the projects identified in the regional ITS architecture;

   5. Interface requirements and information exchanges with planned and existing systems and subsystems (for example, subsystems and architecture flows as defined in the National ITS Architecture);

   6. Identification of ITS standards supporting regional and national interoperability;

   7. The sequence of projects required for implementation of the regional ITS architecture.

END PRODUCT:

A published Regional Transit ITS Architecture that satisfies the needs of the member agencies, State and regional agencies, and the requirements of the MPO.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA** **Consolidated $ 100,000.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 25,000.00** **TOTAL $ 125,000.00**	**FHWA/FTA** **Consolidated $ 0.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 0.00** **TOTAL $ 0.00**

PROJECT NO:	**3J**
PROJECT TITLE:	**MPO Regional Planning Initiatives**

OBJECTIVE:

To allow the COATS MPO to be actively involved in the many important regional planning initiatives that either currently exist or may begin over the program year

METHODOLOGY:

Numerous significant planning initiatives either currently exist or may come to fruition over the coming program year. This project is to allow for the COATS MPO to participate in these initiatives. Additionally, member agencies may request from the MPO specific planning analysis or related activities in regard to these initiatives via this task. Examples of past work that fall under this category include:

- Development of a Transit Site Selection Plan
- Town of Lexington Adaptive Signal System Improvement
- Title VI Program
- Disadvantage Business Enterprise Program
- Large Urban Section 5310 Program
- Transportation Alternatives Program

Current Initiatives:

- Administering the COATS Transportation Alternatives Program
- Administering the Large Urban Section 5310 Program
- Implementation of the CMCOG-COATS MPO Language Assistance Plan
- Regional Growth, Development, and Transportation Assessment
- Development of the Performance Measures
- Development of an MPO Website

END PRODUCT:

Implementation of regional activities such as the TAP Program. Participation in planning activities that will enhance the transportation network.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated $ 85,000.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 21,750.00** **TOTAL $106,250.00** **18,750.00**	**FHWA/FTA Consolidated $ 0.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 0.00** **TOTAL $ 0.00**

PROJECT NO:	**3K**
PROJECT TITLE:	**COATS MPO Resiliency Study**

OBJECTIVE:

Development of a resiliency analysis for the COATS MPO Transportation Network

METHODOLOGY:

Resilience is the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions

Due to the growing number, and associated impact, of natural disasters, increased attention and funding is being directed at improving resiliency in the transportation sector. The FAST Act expands the focus on the resiliency of the transportation system as well as activities to reduce stormwater runoff from transportation infrastructure. In addition, it newly requires strategies to reduce the vulnerability of existing transportation infrastructure to natural disasters. In to address this new requirement and develop transportation-sector specific resiliency best practices and strategies, the COATS MPO in partnership with its member governments will conduct a Regional Resiliency Study

This study will use the FHWA's Vulnerability Assessment Scoring Tool (VAST) methodology and will including consideration of exposure, sensitivity, adaptive capacity, economic impact, and risk. Resiliency recommendations will be developed based on vulnerability assessment results.

Vulnerability assessment results will also be used to prioritize funding for transportation projects and will inform future versions of the long range transportation plan.

END PRODUCT:

A resiliency study that identifies best practices and improvement in the Columbia urbanized area.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA** **Consolidated $ 100,000.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 25,000.00** **TOTAL $ 125,000.00**	**FHWA/FTA** **Consolidated $ 0.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 0.00** **TOTAL $ 0.00**

PROJECT NO:	**3L**
PROJECT TITLE:	**Public Participation Plan**

OBJECTIVE:

Update of the COATS MPO Public Participation Plan

METHODOLOGY:

The purpose of the Public Participation Plan (PPP) is to outline methods for encouraging the involvement of citizens, affected organizations and other interested parties in the development of transportation plans and projects. Methods for encouraging involvement include providing access to plans, programs and their supporting materials, and opportunities to comment as the plan and program develops. The implementation of public participation activities is designed to meet the requirements under federal regulation. CMCOG and the COATS MPO is in the process of updating our Public Participation Plan.

END PRODUCT:

Published the PPP for the COATS MPO.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated** $ 35,000.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 8,750.00 **TOTAL** $ 43,750.00	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00 **TOTAL** $ 0.00

PROJECT NO:	**3M**
PROJECT TITLE:	**Section 5307 Planning Projects**

OBJECTIVE:

The develop programs, policies, and procedure that will enhance the use of federal funds to support the implementation of transit projects.

METHODOLOGY:

People Mover Practical Analysis

CMCOG is proposing to conduct a practical analysis on a people mover or automated people mover (APM) which is a type of grade-separated mass transit system. These mass transit systems typically serve areas such as airports, downtown districts or theme parks, but is sometimes applied to considerably more complex automated systems.

TIP Update

Every three years in coordination with SCDOT, the COATS MPO updates its Transportation Improvement Program. Based on the program years established by SCDOT, the COATS MPO will begin to update its projects and funding for a seven (7) year Transportation Improvement Program.

Short Range Transit Study, Origin, Destination, and Demographic Survey, and Comprehensive Operational Analysis

The COMET is proposing the development of a Short Range Transit Plan (SRTP), origin, destination and demographic survey and a Comprehensive Operational Analysis (COA) of The COMET's transit system in order to improve the efficiency of transit service provided within The COMET service area of Richland and Lexington Counties, address future anticipated land use development and transportation investments, and enhance connectivity to other bus services. The COA will develop ridership information, market analysis, visioning, service and network design, service design guidelines, performance measures and alternatives. This information will then be used to prepare a ten-year SRTP. The SRTP and COA will specifically address how The COMET's transit system will operate within The COMET service area evaluating limited expansion outside The COMET service area to destinations that benefit The COMET passengers. Overall, the analysis will culminate in recommendations for transit service revisions that would address future population growth and transit demand, transit-dependent needs, connectivity to regional transit service, and anticipated financial revenue and transit investment opportunities, thus creating a world class urban transit system for The COMET.

END PRODUCT:

Completed studies and analysis for a people mover, Short Range Transit Study, Origin, Destination, and Demographic Survey, and Comprehensive Operational Analysis as well as update the MPO TIP.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated $ 0.00** **FTA (Section 5307) $420,000.00** **LOCAL $105,000.00** **TOTAL $525,000.00**	**FHWA/FTA Consolidated $ 0.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 0.00** **TOTAL $ 0.00**
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate		

PROJECT NO:	**3N**
PROJECT TITLE:	**Saluda Greenway Feasibility Study**

OBJECTIVE:

To update the project cost, scheduled, scope, and purpose and need.

METHODOLOGY:

The proposed Lower Saluda Greenway will consist of constructing a 10.5-mile multi-use, paved pathway that will extend along the north side of the Saluda River from the Johnny W. Jeffcoat Walkway at the Lake Murray Dam to the Three Rivers Greenway at the Riverbanks Zoo and Botanical Garden. The project will greatly improve public access to recreational opportunities by connecting the Lexington and Irmo areas with downtown Columbia, West Columbia, and Cayce. The trail itself, which will be owned, operated and maintained by the Irmo Chapin Recreation Commission (ICRC), will fit seamlessly with the Three Rivers Greenway by incorporating lighted ADA compliant paths, timber boardwalks and bridges, bathroom stations, and parking areas. The project will also make use of existing amenities such as the trails, parking, and bathroom facilities at Saluda Shoals Park, the parking and river access at the SCE&G Gardendale Boat Ramp, and the parking and bathroom facilities at the new ICRC Park located on the former BC Components site off Old Bush River and St. Andrews roads.

CMCOG in partnership with Irmo Chapin Recreation Center will develop a feasibility study of the Saluda Greenway that emphasizes and identifies the following:

- Project Scope
- Project Goals and Objectives
- Purpose and Need
- Potential Environmental., Cultural, and Social Impacts
- Estimated Cost & Schedule
- Benefit Cost Analysis
- Risk Analysis

This study is intended to be in concert with the proposed feasibility study requirement that is to be conducted by SCDOT.

END PRODUCT:

Published Saluda Greenway Feasibility Study.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated $ 140,000.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 35,000.00** **0.00** **TOTAL $ 175,000.00**	**FHWA/FTA Consolidated $ 0.00** **FTA (Section 5307) $ 0.00** **LOCAL $ 0.00** **TOTAL $ 0.00**

PROJECT NO:	**3O**
PROJECT TITLE:	**Congestion Management Plan**

OBJECTIVE:

To develop a congestion management plan that meets federal requirements for MPOs with population greater than 200,000..

METHODOLOGY:

A congestion management process (CMP) is a systematic and regionally-accepted approach for managing congestion that provides accurate, up-to-date information on transportation system performance and assesses alternative strategies for congestion management that meet State and local needs. A CMP is required in metropolitan areas with population exceeding 200,000, known as Transportation Management Areas (TMAs). Federal requirements state that in all TMAs, the CMP shall be developed and implemented as an integrated part of the metropolitan transportation planning process; however, Federal regulations are not prescriptive regarding the methods and approaches that must be used to implement a CMP.

The CMP and planning for operations are frequently combined in metropolitan regions. The strategies that come from a CMP are often M&O strategies. The CMP uses an objectives-driven, performance-based approach to planning for congestion management. Through the use of congestion management objectives and performance measures, the CMP provides a mechanism for ensuring that investment decisions are made with a clear focus on desired outcomes. This approach involves screening strategies using objective criteria and relying on system performance data, analysis, and evaluation.

The COATS MPO is obligated to have a Congestion Management Process to meet the recent federal requirement under 23 CFR 500.109 and 450.320. COATS has developed and utilized a CMP program that is incorporated by reference in the Long Range Transportation Plan (LRTP). This 2020 CMP is an update to the 2015 COATS MPO CMP based on emerging transportation planning practices as required under the Moving Ahead for Progress in the 21st Century Act (MAP□21) along with the Fixing America's Surface Transportation Act (FAST).

END PRODUCT:

Published Congestion Management Plan.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS **Participating Agencies**: COATS, CMCOG Member Governments, Other agencies as appropriate	**FHWA/FTA Consolidated** $ 100,000.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 25,000.00 **TOTAL** $125,000.00	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00 **TOTAL** $ 0.00

PROJECT NO:	**3P**
PROJECT TITLE:	**Regional Growth and Development Planning**

OBJECTIVE:

Development of a regional growth and development plan through scenario planning

METHODOLOGY:

Scenario planning is an analytical tool that can help transportation professionals prepare for what lies ahead. Scenario planning provides a framework for developing a shared vision for the future by analyzing various forces (e.g., health, transportation, economic, environmental, land use, etc.) that affect growth. Scenario planning, which can be done at the statewide level or for metropolitan regions, tests various future alternatives that meet state and community needs. A defining characteristic of successful public sector scenario planning is that it actively involves the public, the business community, and elected officials on a broad scale, educating them about growth trends and trade-offs, and incorporating their values and feedback into future plans.

Staff will develop a Regional Growth and Development Plan which would involve an evaluation of the relationship between land use, transportation, water and sewer infrastructure, economic development and environmental mitigation to better plan for regional growth and development throughout the regional transportation network. The study will include:

- Regional growth and development scenarios;
- Transportation, water, and sewer infrastructure needs;
- Economic development; and
- Environmental mitigation measures to include incorporation of low impact development/green infrastructure concepts

END PRODUCT:

A Regional Growth and Development Plan.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 100,000.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 25,000.00	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**TOTAL** $ 125,000.00	**TOTAL** $ 0.00

UNIFIED PLANNING WORK PROGRAM

FY 2020 & 2021

4 — TRANSPORTATION IMPROVEMENT PROGRAM

4A — TIP Development and Maintenance

PROJECT NO:	**4A**
PROJECT TITLE:	**TIP Development and Maintenance**

OBJECTIVE:

Maintain and update the Transportation Improvement Plan (TIP). Activities for this project will also ensure that the TIP is in compliance with all federal and state requirements.

METHODOLOGY:

The current TIP will be maintained, and updated as necessary, in cooperation with the SCDOT, units of local government, and the CMRTA.

In addition, COATS will be developing a new triennial TIP during the same timeframe as SCDOT. In addition to dealing with typical TIP update and development issues, this effort will also coincide with the STIP development, therefore, additional lead time will most likely be required to sort out schedules, responsibilities, and funding allocations. The TIP update will also be affected by the guidance presented in the Federal Highway Legislation.

COATS will coordinate with the SCDOT Planning Office and Program Development to produce the required Annual Listing of Projects that will be included in the TIP.

END PRODUCT:

The implementation of the TIP which will include TIP amendments, publishing, advertising, reviewing and deleting projects, and coordination with the STIP.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 25,000.00 **LOCAL** $ 6,250.00	**FHWA/FTA Consolidated** $ 0.00 **LOCAL** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**TOTAL** $ 31,250.00	**TOTAL** $ 0.00

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UNIFIED PLANNING WORK PROGRAM

FY 2020 & 2021

5 — OTHER ACTIVITIES

5A — Miscellaneous Activities and Special Technical Assistance

PROJECT NO:	**5A**
PROJECT TITLE:	**Miscellaneous Activities and Special Technical Assistance**

OBJECTIVE:

This task covers miscellaneous projects that are assigned from time to time, both short-term and infrequent long-term projects that do not warrant individual UPWP projects. Additionally, this task provides for special technical assistance to member governments, and other agencies and/or organizations as appropriate.

METHODOLOGY:

From time to time, miscellaneous projects are assigned to staff. Many are one-time studies or reports, while other tasks are more long-term in nature, and are infrequent enough or so limited in scope of MPO participation, and therefore do not warrant a separate UPWP project.

Tasks may include such activities as participation in various SCDOT statewide initiatives and reviewing proposed Federal regulations.

This task also allows COATS to provide technical assistance to member governments and other agencies/organizations which was not foreseen or known during the preparation of the annual UPWP.

As this is an annual program, the funding identified in the 2020 – 2021 UPWP is subject to change. Since there may be new required initiatives for the MPO to undertake, it is the intention of COATS to amend this document as needed and allocate funding to a specific project(s) as allowable.

Anticipated activities include:

- Monitoring of the Federal Highway Legislation Reauthorization
- Member Government Comprehensive Assessments
- Implementing FTA and FHWA regulations

END PRODUCT:

Various activities, technical assistance, research, analysis, published documents, memoranda, brief reports, etc., as appropriate.

Project Sponsor/Participating Agencies:	**Funding Sources:**	
	FY 2020	**FY 2021**
Sponsor: COATS	**FHWA/FTA Consolidated** $ 15,822.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 3,955.50	**FHWA/FTA Consolidated** $ 0.00 **FTA (Section 5307)** $ 0.00 **LOCAL** $ 0.00
Participating Agencies: COATS, CMCOG Member Governments, Other agencies as appropriate	**TOTAL** $ 19,777.00	**TOTAL** $ 0.00

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UNIFIED PLANNING WORK PROGRAM

FY 2020 & 2021

6 — BUDGET TABLES

2020 & 2021 Table 1 – Summary Budget

2020 & 2021 Table 2 – Summary Budget – Federal Programs

2020 & 2021 Table 3 – FAST Act Task Matrix

2020 & 2021 UPWP TABLE 1 - SUMMARY BUDGET

TASK			FUNDING SOURCES											
ID	SUB-ID	Category	FHWA/FTA Consolidated (PL)	CMCOG Match for FHWA/FTA Consolidated (PL)	SCDOT - State Matching Funds	**Richland County Government	FTA 5316	FTA 5317	FTA 5307	CMCOG Match for FTA	SCDOT 5303/5304	CMCOG Match for SCDOT 5303/5304	CMCOG Total Match	Total
1		**Program Administration and Support**												
1A		General Administration	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
1B		Professional Services	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
1C		Public Participation	$ 25,000.00	$ 6,250.00									$ 6,250.00	$ 31,250.00
1D		UPWP Maintenance and Development	$ 25,000.00	$ 6,250.00									$ 6,250.00	$ 31,250.00
Total			**$ 120,000.00**	**$ 30,000.00**									**$ 30,000.00**	**$ 150,000.00**
2		**Short-Range Transportation Planning**												
2A		Data Collection, Compilation, and/or Analysis	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
2B		Transportation Planning Projects Implementation	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
2C		Geographic Information System (GIS)	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
Total			**$ 105,000.00**	**$ 26,250.00**									**$ 26,250.00**	**$ 131,250.00**
3		**Long-Range Transportation Planning**												
3A		Air Quality and Conformity	$ 50,000.00	$ 12,500.00									$ 12,500.00	$ 62,500.00
3B		Human Service Transportation Coordination Plan Update	$ 20,000.00	$ 5,000.00					$ 198,000.00	$ 49,500.00			$ 54,500.00	$ 272,500.00
3C		Long-Range Transportation Plan	$ 135,000.00	$ 33,750.00									$ 33,750.00	$ 168,750.00
3D		Rail, Truck and Transit Planning	$ 30,000.00	$ 7,500.00									$ 7,500.00	$ 37,500.00
	3D - 1	Commuter Rail Feasibility Study	$ 20,000.00	$ 5,000.00									$ 5,000.00	$ 25,000.00
	3D - 2	Charlotte/Columbia Alternative Analysis	$ 120,000.00	$ 30,000.00									$ 30,000.00	$ 150,000.00
3E		Travel Demand Modeling	$ 120,000.00	$ 30,000.00									$ 30,000.00	$ 150,000.00
3F		Sustainable Communities	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
3G		Bike, Pedestrian, and Greenway Planning	$ 25,000.00	$ 6,250.00									$ 6,250.00	$ 31,250.00
	3G - 1	Regional BikeShare Plan	$ 100,000.00	$ 25,000.00									$ 25,000.00	$ 125,000.00
3H		Environmental Mitigation, Agency Consultation, and Safety & Security	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
3I		Regional Transit ITS Architecture	$ 100,000.00	$ 25,000.00									$ 25,000.00	$ 125,000.00
3J		MPO Regional Initiatives	$ 85,000.00	$ 21,250.00									$ 21,250.00	$ 106,250.00
3K		COATS MPO Resiliency Study	$ 100,000.00	$ 25,000.00									$ 25,000.00	$ 125,000.00
3L		Public Participation Plan	$ 35,000.00	$ 8,750.00									$ 8,750.00	$ 43,750.00
3M		Section 5307 Planning Projects	$ 20,000.00	$ 5,000.00									$ 5,000.00	$ 25,000.00
	3M-1	People Mover Practical Analysis							$ 80,000.00	$ 20,000.00		$ -	$ 20,000.00	$ 100,000.00
	3M-2	Five Year Short Range Transit Plan and Comprehensive Operational Analysis							$ 240,000.00	$ 60,000.00			$ 60,000.00	$ 300,000.00
	3M-2	Origin and Destination and Demographic Survey							$ 50,000.00	$ 12,500.00			$ 12,500.00	$ 62,500.00
	3M-3	TIP Development							$ 50,000.00	$ 12,500.00			$ 12,500.00	$ 62,500.00
3N		Saluda Greenway Feasibility Study	$ 140,000.00	$ 35,000.00									$ 35,000.00	$ 175,000.00
3O		Congestion Management Plan	$ 100,000.00	$ 25,000.00									$ 25,000.00	$ 125,000.00
3P		Regional Growth and Development Plan	$ 100,000.00	$ 25,000.00									$ 25,000.00	$ 125,000.00
													$ -	$ -
													$ -	$ -
Total			**$ 1,370,000.00**	**$ 342,500.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 618,000.00**	**$ 154,500.00**	**$ -**	**$ -**	**$ 497,000.00**	**$2,485,000.00**
4		**Transportation Improvement Program (TIP)**												
4A		TIP Development and Maintenance	$ 25,000.00	$ 6,250.00									$ 6,250.00	$ 31,250.00
Total			**$ 25,000.00**	**$ 6,250.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6,250.00**	**$ 31,250.00**
5		**Other Activities**												
5A		Miscellaneous Activities and Special Technical Assistance	$ 15,822.00	$ 3,955.50									$ 3,955.50	$ 19,777.50
Total			**$ 15,822.00**	**$ 3,955.50**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3,955.50**	**$ 19,777.50**
Grand Total			**$ 1,635,822.00**	**$ 408,955.50**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 618,000.00**	**$ 154,500.00**	**$ -**	**$ -**	**$ 563,455.50**	**$2,817,277.50**

2020 & 2021 UPWP TABLE 2 - SUMMARY BUDGET - FEDERAL PROGRAMS

TASK												
ID	**SUB-ID**	**Category**	**FHWA/FTA Consolidated (PL)**	**SCDOT - State Matching Funds**	**Richland County Government**	**FTA 5316**	**FTA 5317**	**FTA 5307**	**SCDOT 5303/5304**	**TOTAL FEDERAL**	**Total Local Match**	**Total**
1		**Program Administration and Support**										
1A		General Administration	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
1B		Professional Services	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
1C		Public Participation	$ 25,000.00							$ 25,000.00	$ 6,250.00	$ 31,250.00
1D		UPWP Maintenance and Development	$ 25,000.00							$ 25,000.00	$ 6,250.00	$ 31,250.00
Total			**$ 120,000.00**							**$ 120,000.00**	**$ 30,000.00**	**$ 150,000.00**
2		**Short-Range Transportation Planning**										
2A		Data Collection, Compilation, and/or Analysis	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
2B		Transportation Projects Implementation	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
2C		Geographic Information System (GIS)	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
Total			**$ 105,000.00**							**$ 105,000.00**	**$ 26,250.00**	**$ 131,250.00**
3		**Long-Range Transportation Planning**										
3A		Air Quality and Conformity	$ 50,000.00							$ 50,000.00	$ 12,500.00	$ 62,500.00
3B		Human Service Transportation Coordination Plan Update	$ 20,000.00					$ 198,000.00		$ 218,000.00	$ 54,500.00	$ 272,500.00
3C		Long-Range Transportation Plan	$ 135,000.00							$ 135,000.00	$ 33,750.00	$ 168,750.00
3D		Rail, Truck and Transit Planning	$ 30,000.00							$ 30,000.00	$ 7,500.00	$ 37,500.00
	3D - 1	Commuter Rail Feasibility Study	$ 20,000.00							$ 20,000.00	$ 5,000.00	$ 25,000.00
	3D - 2	Charlotte/Columbia Alternative Analysis	$ 120,000.00							$ 120,000.00	$ 30,000.00	$ 150,000.00
3E		Travel Demand Modeling	$ 120,000.00							$ 120,000.00	$ 30,000.00	$ 150,000.00
3F		Sustainable Communities	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
3G		Bike, Pedestrian, and Greenway Planning	$ 25,000.00							$ 25,000.00	$ 6,250.00	$ 31,250.00
	3G - 1	Regional BikeShare Plan	$ 100,000.00							$ 100,000.00	$ 25,000.00	$ 125,000.00
3H		Environmental Mitigation, Agency Consultation, and Safety & Security	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
3I		Regional Transit ITS Architecture	$ 100,000.00							$ 100,000.00	$ 25,000.00	$ 125,000.00
3J		MPO Regional Initiatives	$ 85,000.00							$ 85,000.00	$ 21,250.00	$ 106,250.00
3K		COATS MPO Resiliency Study	$ 100,000.00							$ 100,000.00	$ 25,000.00	$ 125,000.00
3L		Public Participation Plan	$ 35,000.00							$ 35,000.00	$ 8,750.00	$ 43,750.00
3M		Section 5307 Planning Projects	$ 20,000.00							$ 20,000.00	$ 5,000.00	$ 25,000.00
	3M-1	People Mover Practical Analysis						$ 80,000.00		$ 80,000.00	$ 20,000.00	$ 100,000.00
	3M-2	Five Year Short Range Transit Plan and Comprehensive Operational Analysis						$ 240,000.00		$ 240,000.00	$ 60,000.00	$ 300,000.00
	3M-2	Origin and Destination and Demographic Survey						$ 50,000.00		$ 50,000.00	$ 12,500.00	$ 62,500.00
	3M-3	TIP Development						$ 50,000.00		$ 50,000.00	$ 12,500.00	$ 62,500.00
3N		Saluda Greenway Feasibility Study	$ 140,000.00							$ 140,000.00	$ 35,000.00	$ 175,000.00
3O		Congestion Management Plan	$ 100,000.00							$ 100,000.00	$ 25,000.00	$ 125,000.00
3P		Regional Growth and Development Plan	$ 100,000.00							$ 100,000.00	$ 25,000.00	$ 125,000.00
										$ -	$ -	$ -
										$ -	$ -	$ -
Total			**$ 1,370,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 618,000.00**	**$ -**	**$ 1,988,000.00**	**$ 497,000.00**	**$ 2,485,000.00**
4		**Transportation Improvement Program (TIP)**										
4A		TIP Development and Maintenance	$ 25,000.00							$ 25,000.00	$ 6,250.00	$ 31,250.00
Total			**$ 25,000.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 25,000.00**	**$ 6,250.00**	**$ 31,250.00**
5		**Other Activities**										
5A		Miscellaneous Activities and Special Technical Assistance	$ 15,822.00							$ 15,822.00	$ 3,955.50	$ 19,777.50
Total			**$ 15,822.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 15,822.00**	**$ 3,955.50**	**$ 19,777.50**
Grand Total			**$ 1,635,822.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 618,000.00**	**$ -**	**$ 2,253,822.00**	**$ 563,455.50**	**$ 2,817,277.50**
UPWP Grand Total										**$ 2,817,277.50**	**equals**	**$ 2,817,277.50**

2020 & 2021 UPWP TABLE 3 - FAST ACT TASK MATRIX

ID	SUB-ID	Category	PLANNING FACTORS: Economic Vitality	Safety	Security	Accessibility and Mobility	Evironment, Energy/ Conservation, Economic Development	Integration and Connectivity	System Management and Operation	System Preservation	Estimated Completion Date	*Tracking Schedule
1		**Program Administration and Support**										
1A		General Administration	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
1B		Professional Services	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
1C		Public Participation	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
1D		UPWP Maintenance and Development	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
2		**Short-Range Transportation Planning**										
2A		Data Collection, Compilation, and/or Analysis	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
2B		Transportation Projects Implementation	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
2C		Geographic Information System (GIS)	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
3		**Long-Range Transportation Planning**										
3A		Air Quality and Conformity	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
3B		Human Service Transportation Coordination Plan Update	X	X	X	X	X	X	X	X	June-20	Technical Memos
3C		Long-Range Transportation Plan	X	X	X	X	X	X	X	X	September-20	Technical Memos
3D		Rail, Truck and Transit Planning	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
	3D - 1	Commuter Rail Feasibility Study	X	X	X	X	X	X	X	X	June-21	Technical Memos
	3D - 2	Charlotte/Columbia Alternative Analysis	X	X	X	X	X	X	X	X	June-21	Technical Memos
3E		Travel Demand Modeling	X	X	X	X	X	X	X	X	September-20	PL Quarterly Report
3F		Sustainable Communities	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
3G		Bike, Pedestrian, and Greenway Planning	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
	3G - 1	Regional BikeShare Plan	X	X	X	X	X	X	X	X	June-20	Technical Memos
3H		Environmental Mitigation, Agency Consultation, and Safety & Security	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
3I		Regional Transit ITS Architecture	X	X	X	X	X	X	X	X	June-21	Technical Memos
3J		MPO Regional Initiatives	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
3K		COATS MPO Resiliency Study	X	X	X	X	X	X	X	X	December-20	Technical Memos
3L		Public Participation Plan	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
3M		Section 5307 Planning Projects	X	X	X	X	X	X	X	X	August-20	PL Quarterly Report
	3M-1	People Mover Practical Analysis	X	X	X	X	X	X	X	X	December-20	Technical Memos
	3M-2	Five Year Short Range Transit Plan and Comprehensive Operational Analysis	X	X	X	X	X	X	X	X	August-20	Technical Memos
	3M-2	Origin and Destination and Demographic Survey	X	X	X	X	X	X	X	X	August-20	Technical Memos
	3M-3	TIP Development	X	X	X	X	X	X	X	X	August-19	PL Quarterly Report
3N		Saluda Greenway Feasibility Study	X	X	X	X	X	X	X	X	March-20	Technical Memos
3O		Congestion Management Plan	X	X	X	X	X	X	X	X	September-20	Technical Memos
3P		Regional Growth and Development Plan	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
4		**Transportation Improvement Program (TIP)**										
4A		TIP Development and Maintenance	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
5		**Other Activities**										
5A		Miscellaneous Activities and Special Technical Assistance	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report

*Tracking the UPWP tasks will be addressed in two ways. Several tasks will be completed through the solicitation of consultants. These consultants will signify the meeting of a milestone or benchmark through the delivery of technical memos. These technical memos will be part of the contractual agreement with the consultant and will be used to track the development of that specific task. The other way tasks will be tracked is through the planning funds quarterly reports. The MPO submits quarterly reports to SCDOT summarizing the progress of the various tasks that have been identified in the UPWP. These quarterly reports can be use by MPO and SCDOT to track the progress of each task and the overall performance of the UPWP.

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FY 2020 & 2021 UPWP

APPROVED UPWP AMENDMENTS

FOR TRANSPORTATION PLANNING

IN THE

COLUMBIA METROPOLITAN PLANNING AREA

Approved by the Policy Committee of the
Columbia Area Transportation Study

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This document was completed with the assistance of the Federal Highway Administration, Federal Transit Administration and the South Carolina Department of Transportation.