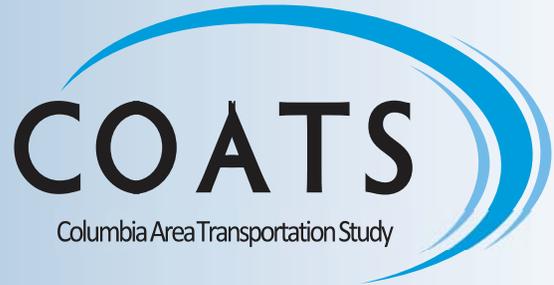


**DRAFT - Unified Planning  
Work Program**



## **FY 2022 & 2023**

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**Adopted on** \_\_\_\_\_

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**2022 & 2023**

**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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**COLUMBIA AREA TRANSPORTATION STUDY  
2022 & 2023 UNIFIED PLANNING WORK PROGRAM**

**TABLE OF CONTENTS**

Columbia Area Transportation Study Boundary Map.....5

2022 & 2023 Unified Planning Work Program Purpose ..... 7

Development of the Unified Planning Work Program .....7

COATS Organization ..... 8

MPO Planning Area Expansion due to the 2010 US Census ..... 11

Staffing ..... 12

Operational Procedures and Bylaws..... 13

Unified Planning Work Program Framework ..... 13

FAST Act Planning Factors..... 14

2020 & 2021 Summary of Major Accomplishments..... 15

Summary of Major Programmed Activities ..... 34

2022 & 2023 Unified Planning Work Program Overview ..... 35

1 – Program Administration and Support..... 37

    1A – General Administration..... 39

    1B – Professional Services ..... 40

    1C – Public Participation .....41

    1D – UPWP Maintenance and Development..... 42

2 – Short – Range Transportation Planning .....	43
2A – Data Collection, Compilation, and/or Analysis .....	45
2B – Transportation Projects Implementation .....	47
2C – Geographic Information System .....	48
3 – Long – Range Transportation Planning.....	49
3A – Air Quality and Conformity .....	51
3B – Columbia East Sub-Area Plan.....	52
3C – Long Range Transportation Plan.....	53
3D – Rail, Truck and Transit Planning .....	54
3E – Travel Demand Modeling .....	55
3F – Sustainable Communities & Scenario Planning .....	56
3G – Bike, Pedestrian, and Greenway Planning .....	57
3H – Environmental Mitigation, Agency Consultation, and Safety & Security .....	58
3I – Regional Transit ITS Architecture .....	59
3J – MPO Regional Planning Initiatives.....	60
3K – COATS MPO Resiliency Plan.....	61
3L – Section 5307 Planning Projects.....	62
3M – Congestion Management Plan.....	63
3N – Regional Growth and Development Planning .....	64
3O – CMRTA Transit Planning.....	65
3P – CARES Act Planning Initiatives .....	66
3Q – Transit Development Long Range Plan .....	67
3R – Traffic Signals Operational Assessment .....	68
3S – USC Shuttle Service/The COMET Transit Service Coordination Study .....	69
3T – Service and Fair Equity Analysis .....	70
3U – The COMET Internship Program .....	71
3V – Regional Gateways Project.....	72
3W – On Call Public Participation Consultant .....	73
3X – On Call Translation Services .....	74
4 – Transportation Improvement Program .....	75
4A – TIP Development and Maintenance.....	77
5 – Other Activities .....	79
5A – Miscellaneous Activities and Special Technical Assistance.....	81
6 – Budget Tables.....	83
2022 & 2023 Table 1 – Summary Budget .....	85
2022 & 2023 Table 2 – Summary Budget – Federal Programs .....	86
2022 & 2023 Table 3 – FAST Act Task Matrix .....	87
FY 2022 & 2023 UPWP Approved Amendments.....	89





## **COLUMBIA AREA TRANSPORTATION STUDY**

### **METROPOLITAN PLANNING ORGANIZATION**

#### **2022 & 2023 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 years 2022 & 2023. 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 2022 & 2023 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.

## **2020 & 2021 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 fourteen Policy Committee meetings, fourteen Transportation Subcommittee, and ten 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 Public Transportation Association (APTA), 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 & 2020-2027 Transportation Improvement Program (TIP) processes 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;
- ✓ Maintained and expanded the CMCOG web site;
- ✓ Held public meeting to receive comments on the Human Services Transportation Coordination Plan
- ✓ Held public meeting to receive comments on the Saluda Greenway Feasibility Study
- ✓ Held public meeting to receive comments on the Short Range Transit Plan, Origin to Destination Study, and Comprehensive Operational Analysis

- ✓ Held stakeholder listening sessions on the Regional Long Range Transportation Plan, Regional Travel Demand Model, and Regional Congestion Management Plan
- ✓ Held open comment period on the Title VI & Language Assistance Plan Update
- ✓ Held open comment period on the Disadvantage Business Enterprise Plan Update
- ✓ Held open comment period on the Public Participation Plan Update
- ✓ Held open comment period on amendments and updates to the Unified Planning Work Program.
- ✓ 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 2020 & 2021 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.

### ***2022 & 2023 UPWP Development***

This task involved the creation and dissemination of the 2022 & 2023 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 2021, COATS is preparing an biannual UPWP, covering the period of July 1, 2020 through June 30, 2023. The Final Draft 2022 & 2023 UPWP is scheduled to be presented to the Transportation Subcommittee and Policy Committee on June 10<sup>th</sup> and June 24, 2021, respectively, for final approvals and adoption. The SCDOT letter dated in January 2021 addresses funding for fiscal year 2022. SCDOT will provide a new letter in January 2022 to address the funding for fiscal year 2023.

### ***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:

#### **❖ 2018 - 19 Building Permit Report**

- ✓ Completed monthly collection of 2019 Q1 and Q2 building permit data issued by local governments
- ✓ Collected geo-location and spatial analysis of building permit activity
- ✓ Continued QAQC of 2018 annual building permit data and analysis for final report

- ✓ Completed monthly collection of 2019 Q2 and Q3 building permit data issued by local governments
  - ✓ Finalized 2018 building permit data QAQC and issued 2018 Building Permit Report
  - ✓ Collected 2019 Q4 building permit data issued by local governments
  - ✓ Completed analyzing 2019 building permit data for 2019 annual building permit report
  - ✓ Worked on 2019 building permit report
  - ✓ Completed and processed 2020 Q1 and Q2 building permits
  - ✓ Finalized 2019 building permit dataset and summary report
  - ✓ Collected and processed 2020 Q3-Q4 building permits
  - ✓ Completed 2020 analysis and summary report
- ❖ **Multi-Family Rental and Condominium Survey**
- ✓ Collected tracking locations and descriptive information about new and proposed multi-family housing developments.
- ❖ **Columbia Commercial Real Estate**
- ✓ Collected tracking locations and descriptive information about new and proposed commercial real estate developments.
- ❖ **Midlands Industrial / Employment Database**
- ✓ Completed collecting regional economic indicator data
  - ✓ Completed data collection and QAQC of 2018/19 employment data
  - ✓ Collected geolocation and spatial analysis of employment data
  - ✓ Cross referenced aggregated employment data with BLS and ACS data based on NAICS codes
  - ✓ Finalized 2018/19 regional economic indicator data
- ❖ **Regional Development Report**
- ✓ Collected and analyzed data for regional development report
  - ✓ Finalized 2018/2019 regional development/economic indicators report
  - ✓ Completed assembling data for 2020 regional development/economic indicators report
  - ✓ Assembled data for 2020 regional development/economic indicators report
  - ✓ Completed production of 2020 regional development/economic indicators report
- ❖ **Regional Population Projections**
- ✓ Used and analyzed regional population projection data
  - ✓ Communicated population projection data with local governments and other regional stakeholders
  - ✓ Assembled data for 2020 regional development/economic indicators report

- ✓ Completed production of 2020 regional development/economic indicators report
- ✓ Completed 2020 regional development/economic indicators report

❖ **ACCRA**

- ✓ Continued quarterly cost of living index survey for the Columbia, SC MSA
- ✓ Prepared ACCRA Cola summary for regional development report

❖ **Census/American Community Survey**

- ✓ Updated GIS databases with the 2013-2017 5 Year ACS estimates.
- ✓ Analyzed ACS data trends
- ✓ Worked with Census Bureau and local governments on preparing for the 2020 Census.
- ✓ Completed updating GIS databases with the 2014-2018 5 Year ACS estimates.
- ✓ Completed downloading and processing 2015-2019 5 Year ACS Estimates
- ✓ Completed GIS processing of key variables for 2015-2019 5 Year ACS Estimates
- ✓ Finalized work with Census Bureau and local governments on preparing for the 2020 Census
- ✓ Finalized census outreach with Hispanic population

***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 and public involvement
- ✓ 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
- ✓ Analyzed New Census Data

### ***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.
- ✓ 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.

### ***Annual Listing of Obligated Projects***

The annual listing of obligated projects is a record of the projects receiving federal transportation funds in the previous fiscal year. This listing is updated annually and is intended to increase awareness of federal spending on transportation projects in the COATS MPO's planning area. The major accomplishments include:

- ✓ This project is over 100% complete
- ✓ Staff has received documentation from SCDOT
- ✓ Staff begins review and processing of information.
- ✓ Staff completes the processing of the information
- ✓ Begins developed of a draft plan
- ✓ Conducts internal review of the draft plan
- ✓ Completed interval review and developed a final plan
- ✓ Presented the final plan to the Technical Committee
- ✓ Presented the final plan to the Transportation Subcommittee
- ✓ Presented the final plan to the MPO Policy Committee

### ***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:

- ✓ This project is over 100% complete
- ✓ Developing initial highway network
- ✓ Requested list of MPO projects completed between 2013 and 2018 from CMCOG to update model network to new base year of 2018.
- ✓ Requested speed limit data from SCDOT for non-major highways.
- ✓ Downloaded TAZ boundary data files and began evaluation.
- ✓ Downloaded InfoUSA data and began evaluation.
- ✓ Obtained base year model network from SCDOT and other required data.
- ✓ Obtained COMET transit operating information from CMRTA.
- ✓ Received 2018 employment data from CMCOG.
- ✓ Contacted USC for data from university operated bus services.
- ✓ Downloaded US Census household data
- ✓ Identified relevant ACS data, downloaded and began processing.
- ✓ Preparing model scripting transfer.
- ✓ Edited TAZ and block geographic files.
- ✓ Processed and performed quality control on socioeconomic data. Prepared draft dataset.
- ✓ Processed performed quality control and prepared employment data.
- ✓ Began evaluation of network management tool.
- ✓ Revised speed and centroid connections.
- ✓ Tested network creation and trip generation outputs.
- ✓ Revised and cleaned socio-economic data.
- ✓ Created new external station locations.
- ✓ Coded transit networks.
- ✓ Research and preparation of special generator data.
- ✓ Revised external station locations and performed a sub-area analysis using the statewide model to generate through trip estimates.
- ✓ Updated counts and included revisions to the network included centroid adjustments
- ✓ Development of GITHUB repository to store updated files
- ✓ Began development of disaggregate curves.
- ✓ Began development of GIS\_DK scripts for cross-classification model.
- ✓ Development of disaggregate and cross class model in R.
- ✓ Completed development of household disaggregation curves.
- ✓ Completed joint distribution.
- ✓ Completed draft documentation on TAZ and SE data development cross-classification model.
- ✓ Completed validation of revised model boundary and stations.
- ✓ Completed first round of trip generation validation.
- ✓ Revisions to university datasets
- ✓ Initial review of highway assignment
- ✓ Revisions to GISDK code to improve runtimes
- ✓ Begun future year project coding and forecasting of socio-economic data
- ✓ Checking of skim times compared to Google
- ✓ Review of external stations assignment
- ✓ Began work on adjusting base year socio-economic data using Woods & Poole database
- ✓ Researched time of day factors

- ✓ Revised additional base year datasets for schools and universities
- ✓ Reviewed pre-calibration results
- ✓ Completed base year socio-economic data using Woods & Poole database

### ***Saluda Greenway Feasibility Study***

This project consists assessing the feasibility 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 major accomplishments include:

- ✓ This project is over 100% complete
- ✓ Staff has developed a scope of work for the request for proposals
- ✓ Scope of work was submitted to SCDOT for review and approval
- ✓ Approved RFP 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
- ✓ Selection team identified four (4) firms to be interviewed
- ✓ Interviews were conducted and a selected consultant was identified
- ✓ References were checked
- ✓ Selected consultant was prepared to be presented to the Executive Committee
- ✓ Received approval of the selected consultant from the Executive Committee
- ✓ Posted the Notice of Intent to Award
- ✓ Provided Thank You Letters for unsuccessful proposers
- ✓ Received no Protest during the protest period
- ✓ Received the Original Scope of Services Toole Design for review
- ✓ Met with Toole Design to discuss and negotiate the Scope of Services
- ✓ Received a revised Scope of Services from Toole Design
- ✓ Developed a Draft Contract
- ✓ Conducted an internal review to finalized the contract for SCDOT
- ✓ Submitted the Final Contract with final scope of services, schedule, project cost & fee to SCDOT
- ✓ Received approval of final contract from SCDOT
- ✓ Executed final contract with Toole Design Group
- ✓ Provided Notice to Proceed to Toole Design Group
- ✓ Ongoing project management and coordination.
- ✓ Prepared for and facilitated kickoff meeting.
- ✓ Continued assembling Project Advisory Committee list.
- ✓ Initial call with ICRC to discuss approach for talking points, employee training, and informational video.
- ✓ Began drafting survey.
- ✓ Began developing wikimap.
- ✓ Began drafting talking points.
- ✓ Began developing project logo.
- ✓ Began assembling content for informational video.

- ✓ Made GIS data request to Lexington County.
- ✓ Received GIS data from Lexington County and began reviewing data.
- ✓ Began coordination for site walk.
- ✓ Began demographic and socio-economic analysis.
- ✓ Began trip potential analysis.
- ✓ Requested crash data from SCDOT.
- ✓ Began environmental screening.
- ✓ Began cultural resources screening.
- ✓ Began drafting purpose and need statement
- ✓ Ongoing project management and coordination.
- ✓ Prepared for and facilitated kickoff meeting.
- ✓ Continued assembling Project Advisory Committee list.
- ✓ Initial call with ICRC to discuss approach for talking points, employee training, and informational video.
- ✓ Completed draft talking points.
- ✓ Continued assembling content for informational video.
- ✓ Made GIS data request to Lexington County.
- ✓ Received GIS data from Lexington County and began reviewing data.
- ✓ Continued coordination for site walk.
- ✓ Completed demographic and socio-economic analysis.
- ✓ Completed trip potential analysis.
- ✓ Requested crash data from SCDOT.
- ✓ Received crash data from SCDOT; completed crash analysis.
- ✓ Continued environmental screening.
- ✓ Continued cultural resources screening.
- ✓ Finalized draft purpose and need statement.
- ✓ Began production of informational video.
- ✓ Finalized survey and delivered to client for review; client approved.
- ✓ Finalized wikimap and delivered to client for review; client approved.
- ✓ Completed project logo and delivered to client for review; client approved.
- ✓ Completed informational video and delivered to client for review; client approved.
- ✓ Created QR code cards and delivered to ICRC for distribution.
- ✓ Launched informational video, survey, and wikimap.
- ✓ Completed cultural resources screening.
- ✓ Completed initial site walk.
- ✓ Completed assembly of Project Advisory Committee list.
- ✓ Began drafting existing conditions technical memorandum.
- ✓ Made GIS data request to Lexington County.
- ✓ Received GIS data from Lexington County and began reviewing data.
- ✓ Completed demographic and socio-economic analysis.
- ✓ Completed trip potential analysis.
- ✓ Requested crash data from SCDOT.
- ✓ Received crash data from SCDOT; completed crash analysis.
- ✓ Continued environmental screening.
- ✓ Completed cultural resources screening.

- ✓ Finalized draft purpose and need statement; reviewed with Project Advisory Committee.
- ✓ Completed initial site walk. Completed second site walk of remaining properties.
- ✓ Completed baseline review technical memorandum and delivered to Advisory Committee.
- ✓ Conducted internal alignment workshop.
- ✓ Began developing alternative alignments.
- ✓ Began developing alignment evaluation criteria.
- ✓ Prepared for and facilitated kickoff meeting.
- ✓ Completed assembly of Project Advisory Committee list.
- ✓ Scheduled, prepared for, and facilitated first Project Advisory Committee meeting.
- ✓ Scheduled, prepared for, and facilitated second Project Advisory Committee meeting in a virtual format.
- ✓ Scheduled, prepared for, and facilitated third Project Advisory Committee meeting in a virtual format.
- ✓ Initial call with ICRC to discuss approach for talking points, employee training, and informational video.
- ✓ Finalized survey and delivered to client for review; client approved. Monitored survey. Closed survey and reviewed data collected.
- ✓ Finalized wikimap and delivered to client for review; client approved. Monitored Wikimap. Closed wikimap and reviewed data collected.
- ✓ Completed draft talking points; delivered to ICRC for use.
- ✓ Completed project logo and delivered to client for review; client approved.
- ✓ Completed informational video and delivered to client for review; client approved.
- ✓ Created QR code cards and delivered to ICRC for distribution. Produced additional cards.
- ✓ Launched informational video, survey, and wikimap.
- ✓ Created yard sign graphics to advertise online engagement and ordered signs.
- ✓ Drafted press release to announce the project and online engagement opportunities.
- ✓ Scheduled, prepared for, and facilitated stakeholder meeting with local government representatives.
- ✓ Scheduled, prepared for, and facilitated stakeholder meeting with River Alliance.
- ✓ Scheduled, prepared for, and facilitated stakeholder meeting with Town of Lexington.
- ✓ Completed summary video and delivered to client for review; client approved.
- ✓ Completed comment form/survey and delivered to client for review; client approved.
- ✓ Launched summary video and comment form/survey.
- ✓ Made GIS data request to Lexington County.
- ✓ Received GIS data from Lexington County and began reviewing data.
- ✓ Completed demographic and socio-economic analysis.
- ✓ Completed trip potential analysis.
- ✓ Requested crash data from SCDOT.
- ✓ Received crash data from SCDOT; completed crash analysis.
- ✓ Completed environmental screening.
- ✓ Completed cultural resources screening.
- ✓ Finalized draft purpose and need statement; reviewed with Project Advisory Committee. Refined purpose and need statement; reviewed with Project Advisory Committee.
- ✓ Completed initial site walk. Completed second site walk of remaining properties.

- ✓ Completed baseline review technical memorandum and delivered to Advisory Committee.
- ✓ Conducted internal alignment workshop.
- ✓ Finalized alternative alignments and presented to Advisory Committee.
- ✓ Finalized alignment evaluation criteria, evaluated alignments, and presented to Advisory Committee. Advisory Committee approved alignment evaluations.
- ✓ Completed greenway concept design, including preferred alignment, cross sections, and design guidance.
- ✓ Refined connectivity plan.
- ✓ Refined cost estimating.
- ✓ Began assembling draft final report.
- ✓ Finalized draft connectivity plan for inclusion in draft final report.
- ✓ Finalized draft cost estimates for inclusion in draft final report.
- ✓ Reviewed draft cost estimates with CMCOG and ICRC.
- ✓ Performed “deep dive” review of unit costs and refined cost estimates accordingly.
- ✓ Assembled draft final report, performed in-house QC review, and delivered to client for review.
- ✓ Received CMCOG and ICRC comments on draft final report; revised accordingly.
- ✓ Prepared to release draft final report for Advisory Committee review.
- ✓ Presented the final draft report to the Technical Committee
- ✓ Presented the final draft report to the Transportation Subcommittee
- ✓ Presented the final draft report to the MPO Policy Committee

### ***Human Service Transportation Coordination Plan***

The purpose of the HSTCP was to develop a coordinated approach for improving the network of transportation resources for older adults, individuals with disabilities, people with low incomes, and the general public in a manner that maximizes the use of existing resources and introduces new programs that will be most appropriate for addressing the needs identified by local stakeholders. The major accomplishments include:

- ✓ This project is over 100% complete
- ✓ Facilitated the kickoff meeting with CMCOG
- ✓ Facilitated the Project Steering Committee Meeting at CMCOG
- ✓ Prepared the draft surveys for drivers and agencies and submitted to CMCOG for review
- ✓ Coordinated and conducted an interview with USC to discuss their current studies that are relevant to the HSTP
- ✓ Facilitated a meeting at The COMET with staff and a representative from Feonix Rising
- ✓ Collected surveys at the Senior Day Event at the State Fairgrounds
- ✓ Focus group preparations
- ✓ Review of prior studies and plans
- ✓ Developed a project website
- ✓ Initiated demographic and socio-economic analysis
- ✓ Collected surveys at Seeds of Hope Farmer’s Market
- ✓ Interviewed Newberry County transportation provider staff

- ✓ Prepared Technical Memorandum #1
- ✓ Facilitated the 2<sup>nd</sup> Project Steering Committee Meeting
- ✓ Interviewed transportation provider at Antioch Senior Center
- ✓ Conducted trip generator analysis
- ✓ Conducted Richland and Lexington Counties Focus Groups
- ✓ Interviewed the FCCOA Director and staff
- ✓ Interviewed the Fairfield County Public Transit
- ✓ Prepared additional information for the provider inventory
- ✓ Interviewed ABLE SC as a key stakeholder representing individuals with disabilities in Richland County
- ✓ Prepared and held public meetings
- ✓ Participated in bi-weekly project management call with CMCOG
- ✓ Attended meetings with the South Carolina Department on Aging
  - ✓ Received approval of the selected consultant from the Executive Committee
  - ✓ Posted the Notice of Intent to Award
  - ✓ Provided Thank You Letters for unsuccessful proposers
  - ✓ Received no Protest during the protest period
  - ✓ Received the Original Scope of Services Toole Design for review
  - ✓ Met with Toole Design to discuss and negotiate the Scope of Services
  - ✓ Received a revised Scope of Services from Toole Design
  - ✓ Developed a Draft Contract
  - ✓ Conducted an internal review to finalized the contract for SCDOT
  - ✓ Submitted the Final Contract with final scope of services, schedule, project cost & fee to SCDOT
- ✓ Drafted the Richland and Kershaw County sections of the Needs Assessment and Inventory Analysis
- ✓ Developed strategies bases on the data collected during the planning process
- ✓ Created demographic, trip generator, and route maps of the draft final plan
- ✓ Researched and developed best practices and case studies
- ✓ Provided an inventory update
- ✓ Researched individual county needs
- ✓ Spoke with NTN Volunteer Transportation
- ✓ Followed up with Feonix Mobility to provide additional input of needs assessment and to understand their current and future projects
- ✓ Completed a Draft Needs Assessment and Inventory Report
- ✓ Developed coordinated transportation plan alternatives
- ✓ Worked to revise and improve the demographic and inventory section of the Draft Needs Assessment Report
  - ✓ Developed regional strategies for the draft report
  - ✓ Formatted the draft report for review by CMCOG
  - ✓ Developed seven primary coordinated transportation goals
  - ✓ Developed individual steps/action items to accomplished each goal
  - ✓ Prepared edits for the draft final coordinated HSTP
  - ✓ Submitted the draft final coordinated HSTP to CMCOG for review
  - ✓ Submitted the draft final plan to the steering committee for review

- ✓ Prepared a power point presentation for public meetings
- ✓ Finalized map and editorial edits for the draft final coordinated HSTP
- ✓ Presented the draft final plan to the Steering Committee
- ✓ Presented the draft final plan to the Technical Committee
- ✓ Finalized revision to the executive summary for the draft final coordinated HSTP
- ✓ Presented the draft final plan to the Transportation Subcommittee
- ✓ Presented the draft final plan to the MPO Policy Committee

### ***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 100% complete
- ✓ Completed development of new policies for consideration
- ✓ Completed review of using social media as a public participation tool
- ✓ Completed discussions with stakeholders about the effectiveness of local outreach tools
- ✓ Completed preparing final draft for public review
- ✓ Advertised for 45-days public comment
- ✓ Presented the final draft report to the Technical Committee
- ✓ Presented the final draft report to the Transportation Subcommittee
- ✓ Presented the final draft report to the MPO Policy Committee

### ***2045 Long-Range Transportation Plan***

COATS has continued the process of implementing the 2040 Long-Range Transportation Plan while also updating to the new 2045 LRTP with substantial work being completed during the past program year. The major accomplishments include:

- ✓ This project is over 50% complete
- ✓ Accepted designation of a new project manager
- ✓ Continued scope negotiations
- ✓ Continued budget negotiations
- ✓ Began development of a draft contract
- ✓ Continued scope negotiations
- ✓ Continued budget negotiations
- ✓ Finalized contract development
- ✓ Sent final contract to SCDOT for review
- ✓ Explored develop of the plan update with FTA funds

- ✓ Amended FTA grant to fund LRTP, TDM, and Congestion Management Plan
- ✓ Received approval of FTA grant amendment
- ✓ Completed an amendment to add the 2016 – 2020 South Carolina Department of Transportation Safety Performance Measures
- ✓ Prepared Project Management Plan and Risk Management Plan.
- ✓ Prepared and distributed contracts to four sub-consultants. Have fully executed subcontracts with High Street Consulting and Civic Communications.
- ✓ Prepared agenda and scheduled internal WSP kick-off meeting
- ✓ Began work on developing email distribution list.
- ✓ Began work with CMCOG on project branding.
- ✓ Submitted Action Item Registers to CMCOG to review short-term actions.
- ✓ Submitted May status report
- ✓ Discussed project status with CMCOG
- ✓ Submitted draft Outreach & Engagement Plan for CMCOG approval.
- ✓ Requested CMCOG direction for revising project logo and tagline on
- ✓ Submitted draft content for project website for CMCOG approval
- ✓ Requested email distribution list from CMCOG
- ✓ Prepared draft Project Steering Committee (PSC) kick-off meeting logistics plan.
- ✓ Began work on web-based public survey for needs assessment.
- ✓ Review current guiding principles, goals and objectives from the 2040 LRTP and CMP.
- ✓ Review CMCOG/COATS Baseline Performance Report and adopted FAST Act measures/targets.
- ✓ Scan existing bicycle and pedestrian plans to identify key elements and projects supporting
- ✓ Held internal WSP kickoff meeting with Communications & Public Information and travel demand modeling staff members.
- ✓ Completed execution of sub-contracts with Toole Design Group and Civic Communications.
- ✓ Submitted April status report
- ✓ Requested email distribution list from CMCOG
- ✓ Developed draft project logo and tagline and submitted for CMCOG approval.
- ✓ Prepared draft Outreach & Engagement Plan and submitted for CMCOG approval
- ✓ Obtained 2018 traffic count data from SCDOT.
- ✓ Discussed project status with CMCOG.
- ✓ Inserted deliverable dates in the schedule requested by FHWA.
- ✓ Submitted updated website content to CMCOG on.
- ✓ Updated Project Steering Committee (PSC) kick-off meeting logistics plan. Prepared meeting agenda and slide deck.
- ✓ Presented at July 22nd PSC meeting and prepared session summary.
- ✓ Prepared draft web-based public survey for needs assessment.
- ✓ Submitted draft summary of the Project Steering Committee meeting on August 11th.
- ✓ Submitted online survey for CMCOG review.

- ✓ Submitted “ready to post” website content to CMCOG.
- ✓ Submitted Zoom invitations and a write-up to CMCOG to accompany the invitations to the stakeholder listening sessions for seven counties in the Midlands region.
- ✓ Prepared agenda and slide deck for the listening sessions. This task included preparing maps for each county of proposed roadway projects.
- ✓ Developed a CMCOG 2045 logo for use in the study. Added new logo to website materials.
- ✓ Reviewed list of potential participants to stakeholder listening sessions.
- ✓ Continued to scan existing bicycle and pedestrian plans to identify key elements and projects supporting LRTP development.
- ✓ Continued work on guiding principles, goals and objectives. Revised initial deliverable and adding data sources for performance measures in support of LRTP development
- ✓ Submitted draft of proposed guiding principles, goals and objectives on September 24th.
- ✓ Prepared materials and conducted listening sessions for following jurisdictions:
  - Fairfield County October 7th
  - Newberry County October 7th
  - Richland County October 14th
  - City of Columbia October 14th
  - Lexington County October 15th
  - Kershaw County October 15th
  - Calhoun County October 20th

Compiled Poll Everywhere results and chat conversations from listening sessions; prepared meeting summaries for seven sessions.

- ✓ Prepared online version of the public survey including a QR code. Nearly 100 surveys submitted by end of the month.
- ✓ Submitted summaries of seven stakeholder listening sessions to CMCOG
- ✓ Approximately 160 need assessment surveys received by end of the month.
- ✓ Will prepare quick summaries for CMCOG review and sign-off.
- ✓ Approximately 185 need assessment surveys received by end of December. Survey period will extend until January 15th

### ***Regional Congestion Management Plan***

The Central Midlands Council of Governments Regional Congestion Management Plan was to assess the current state of the region’s congestion issues, determine the needs of the systems, and develop a mitigation plan to guide future policy development, and to recommend priority improvements to the system. Major accomplishments completed under this item include:

- ✓ This project is over 35% complete
- ✓ Accepted designation of a new project manager
- ✓ Continued scope negotiations
- ✓ Continued budget negotiations

- ✓ Began development of a draft contract
- ✓ Continued scope negotiations
- ✓ Continued budget negotiations
- ✓ Finalized contract development
- ✓ Sent final contract to SCDOT for review
- ✓ Explored develop of the plan update with FTA funds
- ✓ Amended FTA grant to fund LRTP Update
- ✓ Received approval of FTA grant amendment
- ✓ Completed an amendment to add the 2016 – 2020 South Carolina Department of Transportation Safety Performance Measures
- ✓ Prepared Project Management Plan and Risk Management Plan.
- ✓ Prepared and distributed contracts to four sub-consultants. Have fully executed subcontracts with High Street Consulting and Civic Communications.
- ✓ Prepared agenda and scheduled internal WSP kick-off meeting
- ✓ Began work on developing email distribution list.
- ✓ Began work with CMCOG on project branding.
- ✓ Submitted Action Item Registers to CMCOG to review short-term actions.
- ✓ Submitted May status report
- ✓ Discussed project status with CMCOG
- ✓ Submitted draft Outreach & Engagement Plan for CMCOG approval.
- ✓ Requested CMCOG direction for revising project logo and tagline on
- ✓ Submitted draft content for project website for CMCOG approval
- ✓ Requested email distribution list from CMCOG
- ✓ Prepared draft Project Steering Committee (PSC) kick-off meeting logistics plan.
- ✓ Began work on web-based public survey for needs assessment.
- ✓ Review current guiding principles, goals and objectives from the 2040 LRTP and CMP.

### ***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.

### ***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

### ***Transportation Improvement Program***

This project's purpose was to maintain and update the Transportation Improvement Program (TIP). 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
- ✓ Continued implementation of the 2020 – 2027 Transportation Improvement Program
- ✓ Completed development of the 2021 – 2027 Transportation Improvement Program
- ✓ Changed the name of the 2021 – 2027 TIP to the 2020 – 2027 TIP at FHWA request.
- ✓ Completed SCDOT STIP Corrections and Amendments
  - Transferred \$292K from the Guideshare Program to the Transportation Alternative Program for Kitty Hawk Drive
  - The addition of \$249,912 in FY 2020 Access & Mobility Partnership Grants awarded to CMRTA.
  - The addition of \$3.6 million in FY 2020 Guideshare Funds for the South Main Streetscape Project.
  - The transfer of \$149,974 in Transportation Alternatives Program Funds from the Greenview-Esplanade Connector Project to the Main Street Mast Arms Project.
  - The removal of the Greenview-Esplanade Connector Project from the 2016 – 2022 TIP.
  - The addition of \$151,776 in FY 2020 Human Trafficking and Improve Safety on Public Transit Grant awarded to CMRTA.
  - Received approval to amend the 2020 – 2027 TIP to add \$100,000 in Section 5307 CARES Act Funds for the CMRTA Senior Transportation Program.

### ***Unified Planning Work Program***

This project's purpose was to maintain and update the Unified Planning Work Program (UPWP). Activities for this project will also ensure that the UPWP has complied with the requirements of FHWA, FTA, & SCDOT. Over the past two years, the following UPWP Amendments have occurred:

- ✓ Continued implementation of the 2016-2022 Transportation Improvement Program
- ✓ Completed the following UPWP Amendments
  - The addition of the CMRTA Transit Planning. A total of \$144,000 in federal funds has been established for this item.
  - The addition of the Regional Long Range Transportation Plan, Regional Travel Demand Model, & Regional Congestion Management Plan. A total of \$340,470 in federal funds has been established for this project.
  - The addition of the \$1,501,172 in FY 2021 PL Funds.

- The addition of Section 5307 funds provided through the Large Urban Program to support transportation planning projects.
- The addition of new planning projects:
  - Transit Development Long Range Plan
  - Title VI Plan Update
  - Disadvantaged Business Enterprise Plan Update
  - Traffic Signals Operational Assessment
  - USC Shuttle/The COMET Coordination Plan
  - Service and Fair Equity Analysis
  - Regional ITS Architecture
  - Regional Commuter Rail Analysis
- Received approval to amend the 2020 & 2021 Unified Planning Work Program to add \$60,000 for an on-call public participation consultant.
- Received approval to amend the 2020 & 2021 Unified Planning Work Program to add \$30,000 for on call translation services.

### ***Title VI Plan***

Federal regulations require that MPOs who are federal grant recipients such as COATS, have a Title VI Program. Title VI of the Civil Rights Act of 1964 states that no person in the United States shall, on the basis of race, color, or national origin, be excluded from participation in, be denied the benefits of, or subjected to discrimination under any program or activity receiving federal financial assistance. Title VI prohibits intentional discrimination as well as disparate impact on protected groups. The transportation planning regulations require consistency with Title VI and subsequent civil rights laws and regulations. The MPO has completed its triennial update of its Title VI Plan.

### ***Disadvantaged Business Enterprise Plan***

CMCOG has established a Disadvantaged Business Enterprise (DBE) program in accordance with regulations of the U.S. Department of Transportation (USDOT), 49 CFR, Part 26. CMCOG receives federal financial assistance from the USDOT, and as a condition of receiving this assistance, CMCOG has sign an assurance that it will comply with 49 CFR, part 26.

It is the policy of CMCOG to ensure that all businesses have an equal opportunity to receive and participate in USDOT assisted contracts. CMCOG has updated it Disadvantaged Business Enterprise Plan to enforce this policy.

### ***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:

- ✓ Staff provided technical assistance to the member governments
- ✓ Staff tracked SC Legislative bills and funding for COG and local governments
- ✓ Staff updated STIP 2017-2022 with Revisions
- ✓ Staff monitored Ozone levels for region and review new proposed regulations
- ✓ Staff created Traffic Count Linear Regression Results to 2050 for COATS / CMCOG
- ✓ Staff attended Webinar -The Impact of Emerging Technologies on Freight Transportation and Land Use (7-17-2019)
- ✓ Staff attended Webinar- State DOT & MPO Freight Planning Coordination (8-21-2019)
- ✓ Staff attended proposed intersection improvements Old Cherokee Road, Pilgrim Church Road, Catawba Trail (8-29-2019)
- ✓ Staff attended proposed intersection improvements Old Cherokee Road at St Peters Road, (9-12-2019)
- ✓ Staff reviewed and interviewed proposals for Saluda Greenway Feasibility Study (9-19-2019)
- ✓ Staff provided transportation maps for Cayce Comprehensive Plan update
- ✓ Staff attended proposed safety improvements project on US 1 Augusta Road from Wren Road to Jarvis Klapman Boulevard SC 12 (10-1-2019)
- ✓ Staff attended Webinar Pilot Program for Transit-Oriented Development (10-30-2019)
- ✓ Staff attended Webinar Complete Streets Federal Policy Update (11-12-2019)
- ✓ Staff attended 2021 STIP Update Workshop (12-18-2019)
- ✓ Staff attended Public Information Meeting Concerning Proposed Corridor Safety Improvements along Two Notch Rd (US 1) (1-28-2020)
- ✓ Staff attended Webinar How SCDOT Engaged 13,000+ Residents on a Tiny Budget (1-21-2020)
- ✓ Staff attended Webinar Envision-2020 by miovision –measuring traffic movements (vehicles, bike, people) (2-26-2020)
- ✓ Staff attended Public Information Meeting Concerning Proposed Corridor Safety Improvements along Millwood Avenue (US 76/378) from Gervais Street (US 1/ 76/ 378) to Devine Street (US 21 Conn) (2-26-2020)
- ✓ Staff attended public meeting on reprogrammed Greenways [for RC 1 cent sales tax] (3-11-2020)
- ✓ Staff attended Webinar Congestion Con: How more lanes and more money equal more traffic by Transportation for America (3-17-2020)
- ✓ Staff updated files and maps with 2019 Traffic Counts
- ✓ Staff attended Webinar Census Data for the Transportation & Warehousing Sector (3-31-2020)
- ✓ Staff attended Webinar Talking Freight - Freight Beyond the City: Approaches to Improving Freight Mobility in the Suburban Context (4-15-2020)
- ✓ Staff attended Webinar 2017 Economic Census update for ...SC... (5-19-2020)
- ✓ Staff attended Webinar Essential Online Public Engagement Toolbox for Planning (6-24-2020)
- ✓ Staff attended Webinar FHWA's Safe Transportation for Every Pedestrian (STEP) Evaluating Road Diets: Recent Research and Case Studies-Webinar (7-6-2020)
- ✓ Staff attended Webinar AASHTO Environmental Justice Peer Exchange (7-10-2020)

- ✓ Staff attended Steering Committee for the LRTP, CMP, and TDM for COATS & CMCOG (7-22-2020)
- ✓ Staff attended Webinar "MPO and DOT Partnership for Complete Streets Projects" (7-29-2020.)
- ✓ Staff attended Webinar Meaningful Engagement for Environmental Justice Without Public Meetings (8-5-2020)
- ✓ Staff attended Webinar Right of Way: Race, Class, and the Silent Epidemic of Pedestrian Deaths in America – a conversation with author Angie Schmitt " (9-8-2020)
- ✓ Staff attended Webinar Improving Transparency & Collaboration in Your MPO Planning Process [for Bike/Pedestrian projects] 9-30-2020
- ✓ Staff attended Webinar Safety Vulnerable User 10-27-2020
- ✓ Staff attended Webinar November 2020 National Performance Management Research Data Set 11-5-2020
- ✓ Staff attended Webinar Advancing Transit in South Carolina by WTS SC 11-18-2020
- ✓ Staff attended Webinar 2020 SRF Rail Segments - The Southeast Corridor: Connecting Communities, Enhancing Economies 11-19-2020

## **SUMMARY OF MAJOR PROGRAMMED ACTIVITIES**

The 2022 & 2023 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 2022 & 2023 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.

## 2022 & 2023 UNIFIED PLANNING WORK PROGRAM OVERVIEW

The 2022 & 2023 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 2020 & 2021 UPWP tasks
- Goal #2:** To commence and complete new 2022 & 2023 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 2020 & 2021 UPWP will be continued:

- Short Range Transit Plan, Origin, Destination, & Demographic Survey, and Comprehensive Operational Analysis
- 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 2022 & 2023 tasks:

- Regional BikeShare Plan
- Columbia East Sub-Area Plan
- Regional Resiliency 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.

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# **UNIFIED PLANNING WORK PROGRAM**

**FY 2022 & 2023**

## **1 — PROGRAM ADMINISTRATION and SUPPORT**

**1A — General Administration**

**1B — Professional Services**

**1C — Public Participation**

**1D — UPWP Maintenance and Development**



<b>PROJECT NO:</b>	<b>1A</b>			
<b>PROJECT TITLE:</b>	<b>General Administration</b>			
<b>OBJECTIVE:</b>	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.			
<b>METHODOLOGY:</b>	<p>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:</p> <ul style="list-style-type: none"> <li>➤ Acts as local liaison to FHWA, FTA, SCDOT, and other transportation related agencies to ensure coordination</li> <li>➤ 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;</li> <li>➤ Maintain financial records of all revenues and expenditures</li> <li>➤ Prepare and distribute meeting notices and agenda packages for all COATS committees</li> <li>➤ Prepare certification documentation, agreements, resolutions, memoranda of understanding (MOU's), etc.;</li> <li>➤ Attend SCDOT, FHWA, FTA, and MPO training sessions and other necessary workshops and meetings;</li> <li>➤ Maintain agreements between local governmental agencies and the MPO</li> <li>➤ Interact/participate in AMPO, APA, and other professional affiliations, to allow for appropriate resources, travel and training as necessary;</li> <li>➤ Provide funds for the purchase and maintenance of computer hardware, software and office space to support the MPO planning program and related activities, including network maintenance;</li> <li>➤ Continue COATS commitment to comply with Title VI of the Civil Rights Act of 1964</li> <li>➤ Continue COATS commitment to ensure that all of their programs and activities sufficiently address Environmental Justice principles and procedures, as appropriate; and</li> <li>➤ Continue to comply with the SCDOT and FTA DBE Programs</li> </ul>			
<b>END PRODUCT:</b>	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 is scheduled to meet monthly; the Transportation Subcommittee which is scheduled to meet 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.			
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$35,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$8,750.00	Local	
	<b>Total</b>	<b>\$43,750.00</b>	<b>Total</b>	

<b>PROJECT NO:</b>	<b>1B</b>				
<b>PROJECT TITLE:</b>	<b>Professional Services</b>				
<b>OBJECTIVE:</b>					
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.					
<b>METHODOLOGY:</b>					
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:					
<ul style="list-style-type: none"> <li>➤ Developing the Saluda Greenway Feasibility Study (recently completed by Toole Design Group);</li> <li>➤ Developing the Public Participation Plan (recently completed by CMCOG Staff);</li> <li>➤ Developing with CMRTA to conduct Short Range Transit Plan, Origin, Destination, and Demographics Survey, and a Comprehensive Operational Analysis (currently being conducted by Jarrett Walker &amp; Associates);</li> <li>➤ Developing the Human Services Transportation Coordination Plan (recently completed by RLS &amp; Associates);</li> <li>➤ Using cooperative relationship with on call consultants to support transportation planning activities;</li> <li>➤ Implement Transportation Planning Activities as prescribed by law; and</li> <li>➤ Other skills that may be necessary to support the UPWP but may be currently absent at the staff level.</li> </ul>					
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.					
<b>END PRODUCT:</b>					
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.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$135,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$33,750.00	Local	
		Total	\$168,750.00	Total	

<b>PROJECT NO:</b>	<b>1C</b>				
<b>PROJECT TITLE:</b>	<b>Public Participation</b>				
<b>OBJECTIVE:</b>					
To enhance COATS transportation planning process with greater opportunities for public participation, input involvement, and exposure.					
<b>METHODOLOGY:</b>					
<p>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.</p> <p>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.</p> <p>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.</p> <p>Techniques for the dissemination of information include, but are not limited to the following:</p> <ul style="list-style-type: none"> <li>➤ Brochures, flyers, and maps;</li> <li>➤ Study reports and technical memoranda;</li> <li>➤ Public information meetings/workshops and conferences;</li> <li>➤ Media releases, press articles, and paid advertisement/features;</li> <li>➤ COATS website (<a href="http://www.centralmidlands.org">www.centralmidlands.org</a>).</li> </ul> <p>Public participation opportunities (public input) include:</p> <ul style="list-style-type: none"> <li>➤ Public meetings/workshops;</li> <li>➤ Task Forces, focus groups;</li> <li>➤ Surveys, questionnaires, comment cards, etc.</li> </ul> <p>COATS will document the attendance and public comments received to evaluate the effectiveness of the current public involvement practices at all COATS functions. CMCOG/COATS MPO reserves the opportunity to use an on-call consultant to assist with the implementation of these activities.</p>					
<b>END PRODUCT:</b>					
Public participation opportunities/activities, including CMCOG newsletters, reports, press releases, maps, and slide presentations, web site maintenance, meetings, workshops, etc.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$25,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$6,250.00	Local	
		<b>Total</b>	<b>\$31,250.00</b>	<b>Total</b>	

<b>PROJECT NO:</b>	<b>1D</b>				
<b>PROJECT TITLE:</b>	<b>UPWP Maintenance and Development</b>				
<b>OBJECTIVE:</b>					
Maintain the current 2022 & 2023 Unified Planning Work Program (UPWP) and develop a subsequent work program.					
<b>METHODOLOGY:</b>					
This task includes all necessary work required to process amendments to the 2022 & 2023 UPWP.					
In addition, this task will allow for the development of the 2022 & 2023 UPWP during the 2022 & 2023 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).					
<b>END PRODUCT:</b>					
Maintenance and amendments to the 2022 & 2023 UPWP as necessary and appropriate and the development of the 2022 & 2023 UPWP.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>	<b>FY 2023</b>		
		FHWA/FTA Consolidated	\$25,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$6,250.00	Local	
		Total	\$31,250.00	Total	

# **UNIFIED PLANNING WORK PROGRAM**

**FY 2022 & 2023**

## **2 — SHORT-RANGE TRANSPORTATION PLANNING**

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

**2B — Transportation Projects Implementation**

**2C — Geographic Information System (GIS)**



<b>PROJECT NO:</b>	2A			
<b>PROJECT TITLE:</b>	Data Collection, Compilation, and/or Analysis			
<b>OBJECTIVE:</b>	To collect, analyze and utilize various forms of data that assist in the everyday planning operation of the Metropolitan Planning Organization (MPO).			
<b>METHODOLOGY:</b>	<p>This UPWP task involves the following subcategories:</p> <ul style="list-style-type: none"> <li>➤ <u>Vehicle Data Collection</u>: 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.</li> <li>➤ <u>Building Permits</u>: 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.</li> <li>➤ <u>Population Projections</u>: 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 &amp; Statistics. The Central Midlands staff analyzes population growth trends and further disseminates the data into Census Tracts.</li> <li>➤ <u>2020 Census &amp; Annual American Community Survey (ACS)</u>: 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)</li> </ul>			
<b>END PRODUCT:</b>	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.			
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$35,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$8,750.00	Local	
	Total	\$43,750.00	Total	

<b>PROJECT NO:</b>	<b>2A - CONTINUED</b>		
<b>PROJECT TITLE:</b>	<b>Data Collection, Compilation, and/or Analysis</b>		
<b>OBJECTIVE:</b>			
To collect, analyze and utilize various forms of data that assist in the everyday planning operation of the Metropolitan Planning Organization (MPO).			
<b>PURPOSE:</b>			
<p>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:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Enhance the integration of connectivity of the transportation system, across and between modes, people, and freight.</li> <li>• Promote efficient system management and operation</li> </ul> <p>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:</p> <ul style="list-style-type: none"> <li>• Identify where current residential and commercial growth is occurring</li> <li>• Identify potential corridors that may be impacted by continuing growth and development</li> <li>• Identify the density and types of development that may be conducive to other modes of transportation other than single occupancy vehicles</li> <li>• Assists in improving the coordination between land use and transportation</li> <li>• Supports our CMP by allowing us to consider other types of transportation improvements before consideration is given to capacity expansion</li> <li>• Identify potential census tracts where high traffic generators are located</li> <li>• Identify employment sectors</li> <li>• Provides current and forecasted demographics variables and input for long and short range transportation modeling purposes</li> </ul>			
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>	
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>
	FHWA/FTA Consolidated		FHWA/FTA Consolidated
	FTA (Section 5307)		FTA (Section 5307)
	Local		Local
	Total		Total

<b>PROJECT NO:</b>		<b>2B</b>			
<b>PROJECT TITLE:</b>		<b>Transportation Projects Implementation</b>			
<b>OBJECTIVE:</b> To implement past and present transportation planning projects that will address the planning factors of the FAST Act.					
<b>METHODOLOGY:</b> This task will address the implementation of transportation planning projects that the staff has either completed, annually implements, or will be completed in these fiscal years. Projects that will be implemented included: <ul style="list-style-type: none"> <li>➤ Regional Freight Mobility Plan</li> <li>➤ Regional Congestion Management Plan</li> <li>➤ Human Services Transportation Coordination Plan - UPDATE</li> <li>➤ Regional Site Selection Study</li> <li>➤ 2045 Long Range Transportation Plan</li> <li>➤ Cayce, West Columbia, &amp; Springdale Bike and Pedestrian Master Plan</li> <li>➤ Chapin, Batesburg-Leesville, &amp; Swansea Bike and Pedestrian Master Plan</li> <li>➤ COATS Travel Demand Model</li> <li>➤ Public Participation Plan</li> <li>➤ Blythewood Traffic Improvement Area Plan</li> <li>➤ Walk/Bike Columbia Bicycle and Pedestrian Master Plan &amp; Bike Share Plan</li> <li>➤ Transportation Alternatives Program</li> <li>➤ Saluda Greenway Feasibility Study</li> <li>➤ Kershaw County Transportation Feasibility Study</li> <li>➤ Calhoun County Transportation and Land Use Study</li> <li>➤ Short Range Transit Plan, Origin, Destination, &amp; Demographic Survey, and Comprehensive Operational Analysis</li> <li>➤ MPO Website</li> <li>➤ Title VI Plan</li> <li>➤ Language Assistance Plan</li> <li>➤ DBE Plan</li> </ul> <p>** 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**</p>					
<b>END PRODUCT:</b> Development and implementation of transportation planning projects.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$35,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$8,750.00	Local	
		Total	\$43,750.00	Total	

<b>PROJECT NO:</b>	2C			
<b>PROJECT TITLE:</b>	<b>Geographic Information System (GIS)</b>			
<b>OBJECTIVE:</b>	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.).			
<b>METHODOLOGY:</b>	<p>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.</p> <p>Anticipated activities include:</p> <ul style="list-style-type: none"> <li>➤ Continued coordination with member agencies to ensure that the most recent data is being used;</li> <li>➤ Ongoing GIS database management and QA/QC of all data layers;</li> <li>➤ Continued updates and QA/QC of data layers generated in house (e.g., population and employment forecasts, traffic counts, project lists, etc.);</li> <li>➤ Continued GIS support for various UPWP planning efforts</li> <li>➤ Cartography/Graphic support for visualization, public involvement, and scenario planning;</li> <li>➤ Continued update and refinement of regional travel demand model and all associated input and output data sources;</li> <li>➤ Travel Demand modeling as needed for various UPWP planning efforts;</li> <li>➤ GIS data and Travel Demand Modeling coordination with consultants as required for various UPWP planning efforts.</li> <li>➤ Update and maintenance of GIS plotter and associated Information Technology infrastructure and support as needed.</li> <li>➤ Update and maintain TAZ boundaries and Census ACS datasets</li> </ul>			
<b>END PRODUCT:</b>	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.			
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$35,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$8,750.00	Local	
	Total	\$43,750.00	Total	

## **UNIFIED PLANNING WORK PROGRAM**

### **FY 2022 & 2023**

#### **3 — LONG-RANGE TRANSPORTATION PLANNING**

**3A — Air Quality and Conformity**

**3B — Columbia East Sub-Area Plan**

**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 — Section 5307 Planning Projects**

**3M — Congestion Management Plan**

**3N — Regional Growth and Development Planning**

**3O — CMRTA Transit Planning**

**3P — Transit Development Long Range Plan**

**3Q — Traffic Signals Operational Assessment**

**3R — CARES Act Planning Initiatives**

**3S — USC Shuttle Service/The COMET Transit Service Coordination Plan**

**3T — Service and Fair Equity Analysis**

**3U — The COMET Internship Program**

**3V — Regional Gateways Project**

**3W — On Call Public Participation Consultant**

**3X — On Call Translation Services**

\*\* Please be advised that the COATS MPO will navigate either the SCDOT LPA and/or FTA Procurement Process prior to initiating any work that involves the hiring of a contractor or consultant\*\*

<b>PROJECT NO:</b>	<b>3A</b>			
<b>PROJECT TITLE:</b>	<b>Air Quality and Conformity</b>			
<b>OBJECTIVE:</b>	To continue to provide for air quality planning initiatives that complies with conformity requirements of the Clean Air Act.			
<b>METHODOLOGY:</b>	<p>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 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.</p> <p>Activities will include:</p> <ul style="list-style-type: none"> <li>➤ <b>Air Quality Coalition</b></li> <li>➤ Participation in the SC Energy Office Alternative Fuels Program</li> <li>➤ Air Quality Assessments on the TIP and the LRTP</li> <li>➤ <b>Transportation Conformity Awareness</b> - (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).</li> </ul>			
<b>END PRODUCT:</b>	Continued participation in the Air Quality Coalition. Continued development and expansion of the Air Quality awareness.			
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$40,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$10,000.00	Local	
	Total	\$50,000.00	Total	

<b>PROJECT NO:</b>	<b>3B</b>			
<b>PROJECT TITLE:</b>	<b>Columbia East Sub-Area Plan</b>			
<b>OBJECTIVE:</b>	To coordinate efforts between transportation and land use to identify and address transportation issues at the county, city, and district or planning sector levels.			
<b>METHODOLOGY:</b>	<p>CMCOG in partnership with the City of Columbia will develop a sub-area plan that will emphasize and identify the key linkages between transportation facilities and existing and future land uses within the Garner's Ferry/VA Hospital area of the city. This plan will identify a range of multi-modal transportation alternatives for analysis and implementation. This will be a cooperative process, affording early and continued involvement of the public, to include affected public agencies, private transportation providers, and other stakeholders in the study area. The public participation and active involvement of transportation and land use stakeholders will be a critical component of this plan.</p>			
<b>END PRODUCT:</b>	Published Sub-Area Plan.			
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$120,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$30,000.00	Local	
	Total	\$150,000.00	Total	

<b>PROJECT NO:</b>	<b>3C</b>				
<b>PROJECT TITLE:</b>	<b>Long Range Transportation Plan</b>				
<b>OBJECTIVE:</b>					
To continue implementation of the 2040 Long Range Transportation Plan (LRTP) and begin development of the 2045 LRTP					
<b>METHODOLOGY:</b>					
<p>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.</p> <p>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.</p> <p>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.</p> <p>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:</p> <ul style="list-style-type: none"> <li>• Assess current regional transportation system performance</li> <li>• Forecast future demand for regional mobility</li> <li>• Estimate reasonably available funding</li> <li>• Track progress towards system performance targets</li> </ul>					
<b>END PRODUCT:</b>					
Implementation of the 2040 Long Range Transportation Plan. Development of the 2045 LRTP.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$100,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$150,000.00	FTA (Section 5307)	
		Local	\$62,500.00	Local	
		Total	\$312,500.00	Total	

<b>PROJECT NO:</b>	<b>3D</b>				
<b>PROJECT TITLE:</b>	<b>Rail, Truck and Transit Planning</b>				
<b>OBJECTIVE:</b>					
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.					
<b>METHODOLOGY:</b>					
<u>Commuter Rail Feasibility Assessment</u>					
CMCOG will assess the feasibility of establishing a commuter rail service through the following steps:					
<ul style="list-style-type: none"> <li>❖ Reviewing current and projected populations along the designated corridors</li> <li>❖ Analyzing freight movement</li> <li>❖ Investigating funding options and opportunities</li> <li>❖ Investigating interest and support in establishing service</li> </ul>					
<u>Charlotte-Columbia Alternative Analysis</u> – 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.					
<b>END PRODUCT:</b>					
An assessment of high capacity transit options between Charlotte and Columbia and throughout the Central Midlands region. Monitoring of rail transit activities.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>			
		<b>FY 2023</b>			
		FHWA/FTA Consolidated	\$175,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$300,000.00	FTA (Section 5307)	
		Local	\$118,750.00	Local	
		Total	\$593,750.00	Total	

<b>PROJECT NO:</b>	<b>3E</b>										
<b>PROJECT TITLE:</b>	<b>Travel Demand Modeling</b>										
<b>OBJECTIVE:</b>	To continue the efforts of migrating to a new software platform for Travel Demand Modeling and to expand upon its development.										
<b>METHODOLOGY:</b>	<p><u>Travel Demand Modeling</u></p> <p>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.</p> <p>Activities shall include:</p> <table border="0"> <tr> <td>External Station Survey</td> <td>Development of a TAZ Database</td> </tr> <tr> <td>Updated Population Data</td> <td>Updated Employment Data</td> </tr> <tr> <td>Interim Planning Years</td> <td>2045 Horizon Year</td> </tr> <tr> <td>Developing Performance Measures</td> <td>Origin to Destination Survey</td> </tr> </table> <p>Hiring an on-call consultant. The COATS Travel Demand Model is expected to be completed in FY 2021.</p>			External Station Survey	Development of a TAZ Database	Updated Population Data	Updated Employment Data	Interim Planning Years	2045 Horizon Year	Developing Performance Measures	Origin to Destination Survey
External Station Survey	Development of a TAZ Database										
Updated Population Data	Updated Employment Data										
Interim Planning Years	2045 Horizon Year										
Developing Performance Measures	Origin to Destination Survey										
<b>END PRODUCT:</b>	Development of a new travel demand model.										
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>										
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>								
	FHWA/FTA Consolidated	\$125,000.00	FHWA/FTA Consolidated								
	FTA (Section 5307)	\$65,000.00	FTA (Section 5307)								
	Local	\$47,500.00	Local								
	Total	\$237,500.00	Total								

<b>PROJECT NO:</b>	<b>3F</b>				
<b>PROJECT TITLE:</b>	<b>Sustainable Communities &amp; Scenario Planning</b>				
<b>OBJECTIVE:</b>					
To create strong, sustainable communities by connecting housing to jobs, fostering local innovation, and helping to build a clean energy economy.					
<b>METHODOLOGY:</b>					
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:					
<ul style="list-style-type: none"> <li>• Provide more transportation choices.</li> <li>• Promote equitable, affordable housing.</li> <li>• Enhance economic competitiveness.</li> <li>• Support existing communities.</li> <li>• Coordinate and leverage federal policies and investment.</li> <li>• Value communities and neighborhoods.</li> </ul>					
<b>END PRODUCT:</b>					
Foster and encourage local innovation, create partnerships 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.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$75,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$18,750.00	Local	
		Total	\$93,750.00	Total	

<b>PROJECT NO:</b>	<b>3G</b>				
<b>PROJECT TITLE:</b>	<b>Bike, Pedestrian, and Greenway Planning</b>				
<b>OBJECTIVE:</b>					
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.					
<b>METHODOLOGY:</b>					
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;					
<ul style="list-style-type: none"> <li>• Conduct data collection, identify and assess existing conditions, develop and evaluate alternatives and/or prepare recommendations as required;</li> <li>• Identify issues of concern within the multi-modal arena for which a focused substantive transportation study may be appropriate;</li> <li>• 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</li> <li>• Work with communities to develop bike and pedestrian master plans.                             <ul style="list-style-type: none"> <li>▪ Regional Bikeshare Plan (3G-1)</li> </ul> </li> </ul>					
<b>END PRODUCT:</b>					
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.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>			
		<b>FY 2023</b>			
		FHWA/FTA Consolidated	\$160,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$120,000.00	FTA (Section 5307)	
		Local	\$70,000.00	Local	
		Total	\$350,000.00	Total	

<b>PROJECT NO:</b>	<b>3H</b>				
<b>PROJECT TITLE:</b>	<b>Environmental Mitigation, Agency Consultation, and Safety &amp; Security</b>				
<b>OBJECTIVE:</b>					
Transportation Related Land Use and Environmental Planning					
<b>METHODOLOGY:</b>					
<p>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.</p> <p>Proposed activities include:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul>					
<b>END PRODUCT:</b>					
Development of transportation elements for local comprehensive plans. Development of environmental tools that monitor and evaluate the environmental impact to the transportation network.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>	<b>FY 2023</b>		
		FHWA/FTA Consolidated	\$70,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$17,500.00	Local	
		Total	\$87,500.00	Total	

<b>PROJECT NO:</b>	<b>3I</b>				
<b>PROJECT TITLE:</b>	<b>Regional Transit ITS Architecture</b>				
<b>OBJECTIVE:</b> To explore and define transportation technologies that are used to communicate and disseminate information throughout the region.					
<b>METHODOLOGY:</b> 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.  <ol style="list-style-type: none"> <li>a. Any region that is currently implementing ITS projects shall have a regional ITS architecture.</li> <li>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.</li> <li>c. The regional ITS architecture shall include, at a minimum, the following: <ol style="list-style-type: none"> <li>1. A description of the region;</li> <li>2. Identification of participating agencies and other stakeholders;</li> <li>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;</li> <li>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;</li> <li>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);</li> <li>6. Identification of ITS standards supporting regional and national interoperability;</li> <li>7. The sequence of projects required for implementation of the regional ITS architecture.</li> </ol> </li> </ol>					
<b>END PRODUCT:</b> A published Regional Transit ITS Architecture that satisfies the needs of the member agencies, State and regional agencies, and the requirements of the MPO.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$100,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$120,000.00	FTA (Section 5307)	
		Local	\$55,000.00	Local	
		Total	\$275,000.00	Total	

<b>PROJECT NO:</b>	<b>3J</b>				
<b>PROJECT TITLE:</b>	<b>MPO Regional Planning Initiatives</b>				
<b>OBJECTIVE:</b>					
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.					
<b>METHODOLOGY:</b>					
<p>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 regarding these initiatives via this task. Examples of past work that fall under this category include:</p> <ul style="list-style-type: none"> <li>• Public Participation Plan</li> <li>• Translation Services</li> <li>• Title VI Program</li> <li>• Disadvantage Business Enterprise Program</li> <li>• Large Urban Section 5310 Program</li> <li>• Transportation Alternatives Program</li> </ul> <p>Current Initiatives:</p> <ul style="list-style-type: none"> <li>• Administering the COATS Transportation Alternatives Program</li> <li>• Administering the Large Urban Section 5310 Program</li> <li>• Implementation of the CMCOG-COATS MPO Language Assistance Plan</li> <li>• Regional Growth, Development, and Transportation Assessment</li> <li>• Development of the Performance Measures</li> <li>• Administering Funding Programs such as CARES Act, CRRSAA, American Rescue Plan</li> <li>• Development of Interagency Partnerships to assist with planning and technical support</li> <li>• Hiring of contract employees to assist with MPO planning efforts</li> </ul>					
<b>END PRODUCT:</b>					
Implementation of regional activities such as the TAP Program. Participation in planning activities that will enhance the transportation network.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$70,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$17,750.00	Local	
		Total	\$87,750.00	Total	

<b>PROJECT NO:</b>	<b>3K</b>			
<b>PROJECT TITLE:</b>	<b>COATS MPO Resiliency Study</b>			
<b>OBJECTIVE:</b>	Development of a resiliency analysis for the COATS MPO Transportation Network			
<b>METHODOLOGY:</b>	<p>Resilience is the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions.</p> <p>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</p> <p>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.</p> <p>Vulnerability assessment results will also be used to prioritize funding for transportation projects and will inform future versions of the long-range transportation plan.</p>			
<b>END PRODUCT:</b>	A resiliency study that identifies best practices and improvement in the Columbia urbanized area.			
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$120,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$30,000.00	Local	
	Total	\$150,000.00	Total	

<b>PROJECT NO:</b>	<b>3L</b>			
<b>PROJECT TITLE:</b>	<b>Section 5307 Planning Projects</b>			
<b>OBJECTIVE:</b>	The develop programs, policies, and procedure that will enhance the use of federal funds to support the implementation of transit projects.			
<b>METHODOLOGY:</b>	<p><i>TIP Update</i></p> <p>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.</p> <p><b>Short Range Transit Study, Origin, Destination, and Demographic Survey, and Comprehensive Operational Analysis</b></p> <p>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.</p>			
<b>END PRODUCT:</b>	Completed studies and analysis for a Traffic Signals Operations Assessment, Short Range Transit Study, Origin, Destination, and Demographic Survey, and Comprehensive Operational Analysis as well as update the MPO TIP.			
<b>Project Sponsor/ Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$68,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)	\$140,000.00	FTA (Section 5307)	
	Local	\$52,000.00	Local	
	Total	\$260,000.00	Total	

<b>PROJECT NO:</b>	<b>3M</b>			
<b>PROJECT TITLE:</b>	<b>Congestion Management Plan</b>			
<b>OBJECTIVE:</b>	To develop a congestion management plan that meets federal requirements for MPOs with population greater than 200,000.			
<b>METHODOLOGY:</b>	<p>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.</p> <p>The CMP and planning for operations are frequently combined in metropolitan regions. The strategies that come from a CMP are often M&amp;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.</p> <p>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 2022 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).</p>			
<b>END PRODUCT:</b>	Published Congestion Management Plan.			
<b>Project Sponsor/Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$80,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)	\$140,000.00	FTA (Section 5307)	
	Local	\$55,000.00	Local	
	Total	\$275,000.00	Total	

<b>PROJECT NO:</b>	3N			
<b>PROJECT TITLE:</b>	Regional Growth and Development Planning			
<b>OBJECTIVE:</b>	Development of a regional growth and development plan through scenario planning			
<b>METHODOLOGY:</b>	<p>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.</p> <p>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:</p> <ul style="list-style-type: none"> <li>• Regional growth and development scenarios;</li> <li>• Transportation, water, and sewer infrastructure needs;</li> <li>• Economic development; and</li> <li>• Environmental mitigation measures to include incorporation of low impact development/green infrastructure concepts</li> </ul>			
<b>END PRODUCT:</b>	A Regional Growth and Development Plan.			
<b>Project Sponsor/Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$100,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$25,000.00	Local	
	Total	\$125,000.00	Total	

<b>PROJECT NO:</b>	<b>30</b>			
<b>PROJECT TITLE:</b>	<b>CMRTA Transit Planning</b>			
<b>OBJECTIVE:</b>	Providing personnel and technical support for CMRTA Transit Planning Activities			
<b>METHODOLOGY:</b>	<p>Section 5307 funds are available for the planning, engineering, design, and evaluation of public transportation projects and for other technical transportation related studies. Eligible activities include, but are not limited to: studies relating to management, operations, capital requirements, and economic feasibility; work elements and related activities preliminary to and in preparation for constructing, acquiring, or improving the operation of facilities and equipment; plans and specifications; evaluation of previously funded projects; job access and reverse commute projects; and other similar or related activities before and in preparation for the construction, acquisition, or improved operation of public transportation systems, facilities, and equipment.</p> <p>FTA encourages recipients to use Section 5307 funds for technical studies of special interest to the transit agency, such as maintenance plan development, operational service planning, transit asset management plans, public transportation safety plans, and management and operation planning studies. FTA also encourages recipients to use program funds to supplement regular formula planning funds when the planning resources authorized by 49 U.S.C. 5305(d) are insufficient to meet such needs. Similarly, where the federal government proposes a high-cost study, such as one for major capital investments, recipients may use Section 5307 funds to supplement available formula planning funds and Federal Highway Administration (FHWA) planning funds.</p> <p>All planning projects carried out within the metropolitan transportation planning process that use FTA or FHWA funds must be included in the unified planning work program (UPWP), as approved by the MPO. The UPWP must include a list of the proposed planning projects, project scopes, and related costs.</p> <p>Funds from this project will be used to provide personnel and technical support for CMRTA.</p>			
<b>END PRODUCT:</b>	Personnel and technical support for the Central Midlands Transit Authority.			
<b>Project Sponsor/Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated		FHWA/FTA Consolidated	
	FTA (Section 5307)	\$144,000.00	FTA (Section 5307)	
	Local	\$36,000.00	Local	
	Total	\$180,000.00	Total	

<b>PROJECT NO:</b>	<b>3P</b>			
<b>PROJECT TITLE:</b>	<b>Transit Development Long Range Plan</b>			
<b>OBJECTIVE:</b>				
Development of a Transit Development Long Range Plan				
<b>METHODOLOGY:</b>				
<p>The COMET has not prepared a formal long range transit plan since its creation in 2002. A vision was created in 2009 and a strategic plan was created in 2015 to set a framework for long range transit planning. This long range transit development plan would look beyond the recent Short Range Transit Plan that is being completed in 2022 and provide details on how to prepare The COMET to address regional traffic congestion in both Richland and Lexington Counties. This plan will also involve strategies needed to fund The COMET beyond the expiration of the Richland County Transportation Penny and beyond the means of General Fund contributions from Lexington County jurisdictions. The plan will provide a high level overview on high capacity transit options like high occupancy lanes, express bus, park and ride lots, bus rapid transit, streetcar, bus lanes and how to reduce growing congestion in the suburban areas of the service area, as well as identifying ways to address congestion from areas outside the service area coming into The COMET service area.</p>				
<b>END PRODUCT:</b>				
A Transit Development Long Range Plan.				
<b>Project Sponsor/Participating Agencies:</b>		<b>Funding Sources:</b>		
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$10,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)	\$280,000.00	FTA (Section 5307)	
	Local	\$72,500.00	Local	
	Total	\$362,500.00	Total	

<b>PROJECT NO:</b>	<b>3Q</b>				
<b>PROJECT TITLE:</b>	<b>Traffic Signals Operational Assessment</b>				
<b>OBJECTIVE:</b>					
Review of traffic signal operations to improve transit efficiency and reduce congestion.					
<b>METHODOLOGY:</b>					
<i>Traffic Signals Operational Assessment</i>					
<p>Traffic signal timing dictates how the right-of-way and capacity in the form of green time is distributed to the competing movements of signalized intersections. Signal timing must address the needs of all users including, pedestrians, bicycles, and vehicles, and in some cases must specifically accommodate, freight, transit, railroad, and emergency vehicles. An objective and performance-based approach to traffic signal timing begins with an examination of organizational goals, considers context such as user mix, land use, network configuration and traffic demand to identify appropriate operations objectives, strategies, and performance measures. The final plan will support these organization goal and develop a plan that will support a performance-based design of traffic signal timing and implementation of operations strategies.</p>					
<b>END PRODUCT:</b>					
A strategic plan to improve traffic signal operations.					
<b>Project Sponsor/Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$10,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$120,000.00	FTA (Section 5307)	
		Local	\$32,500.00	Local	
		Total	\$162,500.00	Total	

<b>PROJECT NO:</b>	<b>3R</b>				
<b>PROJECT TITLE:</b>	<b>CARES Act Planning Initiatives</b>				
<b>OBJECTIVE:</b>					
Develop and initiate planning initiatives that support transit and transportation planning.					
<b>METHODOLOGY:</b>					
<p>On Friday, March 27, 2020, the President signed the Coronavirus Aid, Relief, and Economic Security (CARES) Act into law. The CARES Act provides emergency assistance and health care response for individuals, families and businesses affected by the COVID-19 pandemic and provide emergency appropriations to support Executive Branch agency operations during the COVID-19 pandemic. Beginning January 20, 2020, all activities normally eligible under the Urbanized Area (49 USC 5307) and Rural Area (49 USC 5311) formula programs are eligible for CARES Act funding, including:</p> <ul style="list-style-type: none"> <li>➤ Planning</li> <li>➤ Capital (preventive maintenance, rolling stock, equipment, etc.)</li> <li>➤ Operating</li> </ul> <p>CMCOG will coordinate with its member governments and FTA to identify eligible projects for implementation.</p>					
<b>END PRODUCT:</b>					
Completed transit/transportation planning analysis and studies.					
<b>Project Sponsor/Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$10,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$1,050,000.00	FTA (Section 5307)	
		Local	\$2,500.00	Local	
		Total	\$1,062,500.00	Total	

<b>PROJECT NO:</b>	<b>3S</b>				
<b>PROJECT TITLE:</b>	<b>USC Shuttle Service/The COMET Coordination Study</b>				
<b>OBJECTIVE:</b>					
Develop a coordination plan to combine the USC shuttle services with the public transit system.					
<b>METHODOLOGY:</b>					
<p>The University of South Carolina Shuttle is currently in operation but has not evolved with the current growth of the University of South Carolina both in population and parking demand. Additionally, The COMET has limited service to the University and has not been effective in attracting University affiliates in utilizing its services. This plan will provide a comprehensive operational analysis of the USC Carolina Shuttle, with a new route network for its current and projected demand and a strategy on how it can be integrated with The COMET to have a seamless transportation network in Downtown Columbia that is effective in reducing traffic congestion. This analysis would include an operations plan, capital plan and financial plan to prepare Carolina Shuttle for future growth.</p>					
<b>END PRODUCT:</b>					
A Transit Coordination and Implementation Plan					
<b>Project Sponsor/Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$10,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$120,000.00	FTA (Section 5307)	
		Local	\$32,500.00	Local	
		Total	\$162,500.00	Total	

<b>PROJECT NO:</b>	<b>3T</b>				
<b>PROJECT TITLE:</b>	<b>Service and Fair Equity Analysis</b>				
<b>OBJECTIVE:</b>					
Development of a Service and Fair Equity Analysis.					
<b>METHODOLOGY:</b>					
<p>The COMET operated 49 peak vehicles presently. Under FTA Circular 4702.1B requirements, once The COMET reaches 50 or more peak vehicles in revenue service, additional Title VI requirements apply. This Service and Fare Equity Study would involve the following:</p> <ul style="list-style-type: none"> <li>• Collect and Report Data regarding customer demographics and travel patterns</li> <li>• Conduct Service and Fare Equity Analysis;</li> <li>• Monitor Transit Service (Threshold based).</li> <li>• Provide results of their monitoring program – to show how they measure up according to their own service standards and policies.</li> <li>• Train Planning and Development staff to prepare Title VI analysis.</li> </ul> <p>This analysis will include the necessary survey and data collection, GIS mapping and establishment of any relevant policies and procedures to ensure compliance with FTA’s Title VI requirements. This analysis was last prepared in 2011. This analysis will also reflect the new transit system designed through the Short Range Transit Plan process as well as the current transit system in operation as of July 2022.</p>					
<b>END PRODUCT:</b>					
A Service and Fair Equity Analysis.					
<b>Project Sponsor/Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$10,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$160,000.00	FTA (Section 5307)	
		Local	\$42,500.00	Local	
		Total	\$212,500.00	Total	

<b>PROJECT NO:</b>	3U				
<b>PROJECT TITLE:</b>	The COMET Planning Internship				
<b>OBJECTIVE:</b>					
Development of an Internship Program.					
<b>METHODOLOGY:</b>					
<p>Funding of an internship program to allow those pursuing transportation planning, transportation management and public administration the ability to learn transportation planning and government. The intern(s) will assist in transportation planning, marketing and operations. Activities will include performing route and schedule planning; designing, implementing, tabulating and analyzing surveys; maintaining transit facilities and bus operations databases; performing reviews of routes and transit facilities for appearance, safety and access; responding to passenger comments; riding buses and providing written observations; providing staff assistance in preparation of agendas and staff reports for meetings; taking detailed notes/minutes at meetings; taking photo IDs and answering phones; performing other transportation planning, marketing and operations projects; assisting in the implementation of The COMET's automatic vehicle location system; making and installing route and schedule information on bus stop signs; assisting in the design, maintenance and updates of The COMETs web site; delivering and picking up meeting packets, schedules and other items on behalf of The COMET; assisting in development reviews; assisting in the development of bus routes and schedules; and coordinating planning and development activities with local municipalities. This internship will also support regional transit planning efforts at CMCOG and provide an opportunity for a shared relationship between the two agencies consistent with the current MPO/The COMET Memorandum of Understanding.</p>					
<b>END PRODUCT:</b>					
Planning Internship Program.					
<b>Project Sponsor/Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated		FHWA/FTA Consolidated	
		FTA (Section 5307)	\$60,000.00	FTA (Section 5307)	
		Local	\$15,000.00	Local	
		Total	\$75,000.00	Total	

<b>PROJECT NO:</b>	<b>3V</b>				
<b>PROJECT TITLE:</b>	<b>Regional Gateways Project</b>				
<b>OBJECTIVE:</b>					
Providing technical assistance and support to the development of regional gateways					
<b>METHODOLOGY:</b>					
<p>The Central Midlands Council of Governments in collaboration with our member governments, EngenuitySC, Midlands Business Leadership Group, and the South Carolina Department of Transportation will be providing technical assistance and support in the management, procurement, and development of 8 gateways throughout the MPO Planning Area.</p> <p>These sites include:</p> <ul style="list-style-type: none"> <li>• Airport Boulevard Gateway: One mile stretch beginning at I-26 &amp; S.C. 302 continuing to the Airport Expressway</li> <li>• Fort Jackson Gateway: I-77 &amp; Forest Dr.</li> <li>• Lexington Gateway: I-20 &amp; U.S. 1</li> <li>• Harbison Gateway: I-26 &amp; Harbison Blvd.</li> <li>• Downtown Connector Gateway: I-20 &amp; S.C. 277</li> <li>• I-20 &amp; I-26</li> <li>• I-20 &amp; I-77</li> <li>• I-77 &amp; I-26</li> </ul> <p>These gateways have been identified as top priorities for many of our member governments with the purpose of beautifying each regional gateway with unified landscaping and signage, starting with the gateway to Fort Jackson at Interstate 77 and the establishment of an airport corridor along Highway 302. Each gateway is highly-trafficked and located within ten miles of the South Carolina State House. These eight gateways welcome tens of thousands of military personnel and their family and friends each year, as well as every other visitor flying into Columbia, S.C.</p>					
<b>END PRODUCT:</b>					
Development of Regional Gateways.					
<b>Project Sponsor/Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$10,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)		FTA (Section 5307)	
		Local	\$2,500.00	Local	
		Total	\$12,500.00	Total	

<b>PROJECT NO:</b>	<b>3W</b>				
<b>PROJECT TITLE:</b>	<b>On Call Public Participation Consultant</b>				
<b>OBJECTIVE:</b>					
Providing on call technical support for the COATS Transportation Program					
<b>METHODOLOGY:</b>					
<p>CMCOG will seek an on-call public participation consultant to assist in implement the CMCOG Public Participation Plan and implementation of transportation planning projects. Public Participation contributes to better decisions because decision-makers have more complete information in the form of additional facts, values, and perspectives obtained through public input. They can then incorporate the best information and expertise of all stakeholders. Decisions are more implementable and sustainable because the decision considers the needs and interests of all stakeholders including vulnerable/marginalized populations, and stakeholders better understand and are more invested in the outcomes.</p> <p>The goals of the public participation consultation will include but not be limited to:</p> <ul style="list-style-type: none"> <li>• Informing the public by providing information to help them understand the issues, options, and solutions;</li> <li>• Consulting with the public to obtain their feedback on alternatives or decisions</li> <li>• Collaborating with the public to ensure their concerns are considered throughout the decision-making process, particularly in the development of decision criteria and options;</li> <li>• Assisting in the development and implementation of the CMCOG-COATS MPO DBE Plan</li> <li>• Assisting in the development and implementation of the CMCOG-COATS MPO Title VI Plan.</li> <li>• Providing technical assistance and support to the CMCOG-COATS MPO Transportation Staff</li> </ul>					
<b>END PRODUCT:</b>					
On Call Technical Support Services for Public Participation.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$48,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$30,000.00	FTA (Section 5307)	
		Local	\$19,500.00	Local	
		Total	\$97,500.00	Total	

<b>PROJECT NO:</b>	<b>3X</b>				
<b>PROJECT TITLE:</b>	<b>On Call Translation Services (Language/Documents)</b>				
<b>OBJECTIVE:</b>					
Providing on call technical support for the COATS Transportation Program					
<b>METHODOLOGY:</b>					
<p>The Safe Harbor Provision, as defined in the Department of Justice’s Limited English Proficiency (LEP) Guidance, is the most prevalent guideline used to establish when language assistance services are considered appropriate and define expectations for what those services would entail. The Safe Harbor Provision is triggered for each LEP language group that constitutes five percent (5%) of the total population or 1,000 persons, whichever is less, of the total population of persons eligible to be served or likely to be affected or encountered (FTA C 4702.1B, Chapter III-9).</p> <p>CMCOG will seek a translation service to assist in the efforts to communicate with individuals who have the limited ability to speak, read, or write English very well. In accordance with the CMCOG-COATS Title VI and Language Assistance Plan, CMCOG will use a translation service to assist anyone who need additional accommodations to participate in the transportation planning process.</p>					
<b>END PRODUCT:</b>					
On Call Technical Support Services for Language and/or Document Translation.					
<b>Project Sponsor/ Participating Agencies:</b>		<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate		<b>FY 2022</b>		<b>FY 2023</b>	
		FHWA/FTA Consolidated	\$24,000.00	FHWA/FTA Consolidated	
		FTA (Section 5307)	\$10,000.00	FTA (Section 5307)	
		Local	\$8,500.00	Local	
		Total	\$42,500.00	Total	

# **UNIFIED PLANNING WORK PROGRAM**

**FY 2022 & 2023**

## **4 — TRANSPORTATION IMPROVEMENT PROGRAM**

### **4A — TIP Development and Maintenance**



<b>PROJECT NO:</b>	<b>4A</b>			
<b>PROJECT TITLE:</b>	<b>TIP Development and Maintenance</b>			
<b>OBJECTIVE:</b>				
Maintain and update the Transportation Improvement Plan (TIP). Activities for this project will also ensure that the TIP follows all federal and state requirements.				
<b>METHODOLOGY:</b>				
<p>The current TIP will be maintained and updated as necessary, in cooperation with the SCDOT, units of local government, and the CMRTA.</p> <p>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.</p> <p>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.</p>				
<b>END PRODUCT:</b>				
The implementation of the TIP which will include TIP amendments, publishing, advertising, reviewing and deleting projects, and coordination with the STIP.				
<b>Project Sponsor/Participating Agencies:</b>	<b>Funding Sources:</b>			
<b>Sponsor:</b> COATS  <b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$50,000.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$12,500.00	Local	
	Total	\$62,500.00	Total	

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# **UNIFIED PLANNING WORK PROGRAM**

**FY 2022 & 2023**

## **5 — OTHER ACTIVITIES**

### **5A — Miscellaneous Activities and Special Technical Assistance**



<b>PROJECT NO:</b>	<b>5A</b>			
<b>PROJECT TITLE:</b>	<b>Miscellaneous Activities and Special Technical Assistance</b>			
<b>OBJECTIVE:</b>	<p>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.</p>			
<b>METHODOLOGY:</b>	<p>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.</p> <p>Tasks may include such activities as participation in various SCDOT statewide initiatives and reviewing proposed Federal regulations.</p> <p>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.</p> <p>As this is an annual program, the funding identified in the FY 2022 &amp; 2023 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.</p> <p>Anticipated activities include:</p> <ul style="list-style-type: none"> <li>➤ Monitoring of the Federal Highway Legislation Reauthorization</li> <li>➤ Member Government Comprehensive Assessments</li> <li>➤ Implementing FTA and FHWA regulations</li> </ul>			
<b>END PRODUCT:</b>	<p>Various activities, technical assistance, research, analysis, published documents, memoranda, brief reports, etc., as appropriate.</p>			
<b>Project Sponsor/Participating Agencies:</b>	<b>Funding Sources:</b>			
<p><b>Sponsor:</b> COATS</p> <p><b>Participating Agencies:</b> COATS, CMCOG Member Governments, Other agencies as appropriate</p>	<b>FY 2022</b>		<b>FY 2023</b>	
	FHWA/FTA Consolidated	\$75,861.00	FHWA/FTA Consolidated	
	FTA (Section 5307)		FTA (Section 5307)	
	Local	\$18,965.25	Local	
	Total	\$94,826.25	Total	

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## **UNIFIED PLANNING WORK PROGRAM**

### **FY 2022 & 2023**

#### **6 — BUDGET TABLES**

**2022 & 2023 Table 1 – Summary Budget**

**2022 & 2023 Table 2 – Summary Budget – Federal Programs**

**2022 & 2023 Table 3 – FAST Act Task Matrix**



2022 & 2023 UPWP TABLE 1 - SUMMARY BUDGET																
TASK			FUNDING SOURCES													
ID	SUB-ID	Category	2022 FHWA/FTA Consolidated (PL)	CMCOG Match for FHWA/FTA Consolidated (PL)	2023 FHWA/FTA Consolidated (PL)	CMCOG Match for FHWA/FTA Consolidated (PL)	Section 5307 CARES Act Funds	2021 FTA Section 5307	2021 CMCOG Match for FTA	2023 FTA Section 5307	2023 CMCOG Match for FTA	Total Federal Section 5307	SCDOT 5303/5304	CMCOG Match for SCDOT 5303/5304	CMCOG Total Match	Total
<b>1</b>		<b>Program Administration and Support</b>														
1A		General Administration	\$ 35,000.00	\$ 8,750.00	\$ -	\$ -									\$ 8,750.00	\$ 43,750.00
1B		Professional Services	\$ 135,000.00	\$ 33,750.00	\$ -	\$ -									\$ 33,750.00	\$ 168,750.00
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
<b>Total</b>			<b>\$ 220,000.00</b>	<b>\$ 55,000.00</b>											<b>\$ 55,000.00</b>	<b>\$ 275,000.00</b>
<b>2</b>		<b>Short-Range Transportation Planning</b>														
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
<b>Total</b>			<b>\$ 105,000.00</b>	<b>\$ 26,250.00</b>											<b>\$ 26,250.00</b>	<b>\$ 131,250.00</b>
<b>3</b>		<b>Long-Range Transportation Planning</b>														
3A		Air Quality and Conformity	\$ 40,000.00	\$ 10,000.00	\$ -	\$ -									\$ 10,000.00	\$ 50,000.00
3B		Columbia East Sub-Area Plan	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -									\$ 30,000.00	\$ 150,000.00
3C		Long-Range Transportation Plan	\$ 100,000.00	\$ 25,000.00	\$ -	\$ -	\$ 150,000.00	\$ 37,500.00	\$ -	\$ -	\$ -	\$ 150,000.00			\$ 62,500.00	\$ 312,500.00
3D		Rail, Truck and Transit Planning	\$ 35,000.00	\$ 8,750.00	\$ -	\$ -						\$ -			\$ 8,750.00	\$ 43,750.00
	3D - 1	Commuter Rail Feasibility Study	\$ 20,000.00	\$ 5,000.00	\$ -	\$ -	\$ 150,000.00	\$ 37,500.00	\$ -	\$ -	\$ -	\$ 150,000.00			\$ 42,500.00	\$ 212,500.00
	3D - 2	Charlotte/Columbia Alternative Analysis	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -	\$ 150,000.00	\$ 37,500.00	\$ -	\$ -	\$ -	\$ 150,000.00			\$ 67,500.00	\$ 337,500.00
3E		Travel Demand Modeling	\$ 125,000.00	\$ 31,250.00	\$ -	\$ -	\$ 65,000.00	\$ 16,250.00	\$ -	\$ -	\$ -	\$ 65,000.00			\$ 47,500.00	\$ 237,500.00
3F		Sustainable Communities	\$ 75,000.00	\$ 18,750.00	\$ -	\$ -						\$ -			\$ 18,750.00	\$ 93,750.00
3G		Bike, Pedestrian, and Greenway Planning	\$ 40,000.00	\$ 10,000.00	\$ -	\$ -						\$ -			\$ 10,000.00	\$ 50,000.00
	3G - 1	Regional BikeShare Plan	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 120,000.00			\$ 60,000.00	\$ 300,000.00
3H		Environmental Mitigation, Agency Consultation, and Safety & Security	\$ 70,000.00	\$ 17,500.00	\$ -	\$ -						\$ -			\$ 17,500.00	\$ 87,500.00
3I		Regional Transit ITS Architecture	\$ 100,000.00	\$ 25,000.00	\$ -	\$ -	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 120,000.00			\$ 55,000.00	\$ 275,000.00
3J		MPO Regional Initiatives	\$ 70,000.00	\$ 17,500.00	\$ -	\$ -						\$ -			\$ 17,500.00	\$ 87,500.00
3K		COATS MPO Resiliency Study	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -						\$ -			\$ 30,000.00	\$ 150,000.00
3L		Section 5307 Planning Projects	\$ 50,000.00	\$ 12,500.00	\$ -	\$ -	\$ -					\$ -			\$ 12,500.00	\$ 62,500.00
	3L-1	Five Year Short Range Transit Plan and Comprehensive Operational Analysis	\$ 5,000.00	\$ 1,250.00	\$ -	\$ -	\$ 140,000.00	\$ 35,000.00	\$ -	\$ -	\$ -	\$ 140,000.00			\$ 36,250.00	\$ 181,250.00
	3L-2	Origin and Destination and Demographic Survey	\$ 5,000.00	\$ 1,250.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 1,250.00	\$ 6,250.00
	3L-3	TIP Development	\$ 8,000.00	\$ 2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 2,000.00	\$ 10,000.00
3M		Congestion Management Plan	\$ 80,000.00	\$ 20,000.00	\$ -	\$ -	\$ 140,000.00	\$ 35,000.00	\$ -	\$ -	\$ -	\$ 140,000.00			\$ 55,000.00	\$ 275,000.00
3N		Regional Growth and Development Plan	\$ 100,000.00	\$ 25,000.00	\$ -	\$ -						\$ -			\$ 25,000.00	\$ 125,000.00
3O		CMRTA Transit Planning	\$ -	\$ -	\$ -	\$ -	\$ 144,000.00	\$ 36,000.00	\$ -	\$ -	\$ -	\$ 144,000.00			\$ 36,000.00	\$ 180,000.00
3P		Transit Development Long Range Plan	\$ 10,000.00	\$ 2,500.00	\$ -	\$ -	\$ 280,000.00	\$ 70,000.00	\$ -	\$ -	\$ -	\$ 280,000.00			\$ 72,500.00	\$ 362,500.00
3Q		Traffic Signals Operational Assessment	\$ 10,000.00	\$ 2,500.00	\$ -	\$ -	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 120,000.00			\$ 32,500.00	\$ 162,500.00
3R		CARES Act Planning Initiatives	\$ 10,000.00	\$ 2,500.00	\$ -	\$ -	\$ 1,050,000.00	\$ -	\$ -	\$ -	\$ -	\$ 1,050,000.00			\$ 2,500.00	\$ 1,062,500.00
3S		USC Shuttle Service/The COMET Transit Service Coordination Study	\$ 10,000.00	\$ 2,500.00	\$ -	\$ -	\$ 120,000.00	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 120,000.00			\$ 32,500.00	\$ 162,500.00
3T		Service and Fair Equity Analysis	\$ 10,000.00	\$ 2,500.00	\$ -	\$ -	\$ 160,000.00	\$ 40,000.00	\$ -	\$ -	\$ -	\$ 160,000.00			\$ 42,500.00	\$ 212,500.00
3U		The COMET Internship Program	\$ -	\$ -	\$ -	\$ -	\$ 60,000.00	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 60,000.00			\$ 15,000.00	\$ 75,000.00
3V		Regional Gateways Project	\$ 10,000.00	\$ 2,500.00	\$ -	\$ -			\$ -			\$ -			\$ 2,500.00	\$ 12,500.00
3W		On Call Public Participation Consultant	\$ 48,000.00	\$ 12,000.00	\$ -	\$ -	\$ 30,000.00	\$ 7,500.00				\$ 30,000.00			\$ 19,500.00	\$ 97,500.00
3X		On Call Translation Services	\$ 24,000.00	\$ 6,000.00	\$ -	\$ -	\$ 10,000.00	\$ 2,500.00				\$ 10,000.00			\$ 8,500.00	\$ 42,500.00
<b>Total</b>			<b>\$ 1,535,000.00</b>	<b>\$ 383,750.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,050,000.00</b>	<b>\$ 1,959,000.00</b>	<b>\$ 489,750.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,009,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 873,500.00</b>	<b>\$ 5,417,500.00</b>
<b>4</b>		<b>Transportation Improvement Program (TIP)</b>														
4A		TIP Development and Maintenance	\$ 50,000.00	\$ 12,500.00	\$ -	\$ -									\$ 12,500.00	\$ 62,500.00
<b>Total</b>			<b>\$ 50,000.00</b>	<b>\$ 12,500.00</b>	<b>\$ -</b>	<b>\$ -</b>									<b>\$ 12,500.00</b>	<b>\$ 62,500.00</b>
<b>5</b>		<b>Other Activities</b>														
5A		Miscellaneous Activities and Special Technical Assistance	\$ 75,861.00	\$ 18,965.25	\$ -	\$ -									\$ 18,965.25	\$ 94,826.25
<b>Total</b>			<b>\$ 75,861.00</b>	<b>\$ 18,965.25</b>	<b>\$ -</b>	<b>\$ -</b>									<b>\$ 18,965.25</b>	<b>\$ 94,826.25</b>
<b>Grand Total</b>			<b>\$ 1,985,861.00</b>	<b>\$ 496,465.25</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,050,000.00</b>	<b>\$ 1,959,000.00</b>	<b>\$ 489,750.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,009,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 986,215.25</b>	<b>\$ 5,981,076.25</b>

2022 & 2023 UPWP TABLE 2 - SUMMARY BUDGET - FEDERAL PROGRAMS												
TASK			FUNDING SOURCES									
ID	SUB-ID	Category	2022 FHWA/FTA Consolidated (PL)	2023 FHWA/FTA Consolidated (PL)	Section 5307 CARES Act Funds	2021 FTA Section 5307	2023 FTA Section 5307	Total Federal Section 5307	SCDOT 5303/5304	Total Federal	Total Local Match	Total
<b>1</b>		<b>Program Administration and Support</b>										
1A		General Administration	\$ 35,000.00	\$ -						\$ 35,000.00	\$ 8,750.00	\$ 43,750.00
1B		Professional Services	\$ 135,000.00	\$ -						\$ 135,000.00	\$ 33,750.00	\$ 168,750.00
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
<b>Total</b>			<b>\$ 220,000.00</b>							<b>\$ 220,000.00</b>	<b>\$ 55,000.00</b>	<b>\$ 275,000.00</b>
<b>2</b>		<b>Short-Range Transportation Planning</b>										
2A		Data Collection, Compilation, and/or Analysis	\$ 35,000.00	\$ -						\$ 35,000.00	\$ 8,750.00	\$ 43,750.00
2B		Transportation Planning 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
<b>Total</b>			<b>\$ 105,000.00</b>							<b>\$ 105,000.00</b>	<b>\$ 26,250.00</b>	<b>\$ 131,250.00</b>
<b>3</b>		<b>Long-Range Transportation Planning</b>										
3A		Air Quality and Conformity	\$ 40,000.00	\$ -						\$ 40,000.00	\$ 10,000.00	\$ 50,000.00
3B		Columbia East Sub-Area Plan	\$ 120,000.00	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 120,000.00	\$ 30,000.00	\$ 150,000.00
3C		Long-Range Transportation Plan	\$ 100,000.00	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00	\$ 150,000.00		\$ 250,000.00	\$ 62,500.00	\$ 312,500.00
3D		Rail, Truck and Transit Planning	\$ 35,000.00	\$ -		\$ -	\$ -	\$ -		\$ 35,000.00	\$ 8,750.00	\$ 43,750.00
	3D - 1	Commuter Rail Feasibility Study	\$ 20,000.00	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00	\$ 150,000.00		\$ 170,000.00	\$ 42,500.00	\$ 212,500.00
	3D - 2	Charlotte/Columbia Alternative Analysis	\$ 120,000.00	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00	\$ 150,000.00		\$ 270,000.00	\$ 67,500.00	\$ 337,500.00
3E		Travel Demand Modeling	\$ 125,000.00	\$ -	\$ 65,000.00	\$ -	\$ 65,000.00	\$ 65,000.00		\$ 190,000.00	\$ 47,500.00	\$ 237,500.00
3F		Sustainable Communities	\$ 75,000.00	\$ -				\$ -		\$ 75,000.00	\$ 18,750.00	\$ 93,750.00
3G		Bike, Pedestrian, and Greenway Planning	\$ 40,000.00	\$ -				\$ -		\$ 40,000.00	\$ 10,000.00	\$ 50,000.00
	3G - 1	Regional BikeShare Plan	\$ 120,000.00	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ 120,000.00		\$ 240,000.00	\$ 60,000.00	\$ 300,000.00
3H		Environmental Mitigation, Agency Consultation, and Safety & Security	\$ 70,000.00	\$ -				\$ -		\$ 70,000.00	\$ 17,500.00	\$ 87,500.00
3I		Regional Transit ITS Architecture	\$ 100,000.00	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ 120,000.00		\$ 220,000.00	\$ 55,000.00	\$ 275,000.00
3J		MPO Regional Initiatives	\$ 70,000.00	\$ -				\$ -		\$ 70,000.00	\$ 17,500.00	\$ 87,500.00
3K		COATS MPO Resiliency Study	\$ 120,000.00	\$ -				\$ -		\$ 120,000.00	\$ 30,000.00	\$ 150,000.00
3L		Section 5307 Planning Projects	\$ 50,000.00	\$ -				\$ -		\$ 50,000.00	\$ 12,500.00	\$ 62,500.00
	3L-1	Five Year Short Range Transit Plan and Comprehensive Operational Analysis	\$ 5,000.00	\$ -	\$ 140,000.00	\$ -	\$ 140,000.00	\$ 140,000.00		\$ 145,000.00	\$ 36,250.00	\$ 181,250.00
	3L-2	Origin and Destination and Demographic Survey	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 5,000.00	\$ 1,250.00	\$ 6,250.00
	3L-3	TIP Development	\$ 8,000.00	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 8,000.00	\$ 2,000.00	\$ 10,000.00
3M		Congestion Management Plan	\$ 80,000.00	\$ -	\$ 140,000.00	\$ -	\$ 140,000.00	\$ 140,000.00		\$ 220,000.00	\$ 55,000.00	\$ 275,000.00
3N		Regional Growth and Development Plan	\$ 100,000.00	\$ -				\$ -		\$ 100,000.00	\$ 25,000.00	\$ 125,000.00
3O		CMRTA Transit Planning	\$ -	\$ -	\$ 144,000.00	\$ -	\$ 144,000.00	\$ 144,000.00		\$ 144,000.00	\$ 36,000.00	\$ 180,000.00
3P		Transit Development Long Range Plan	\$ 10,000.00	\$ -	\$ 280,000.00		\$ 280,000.00	\$ 280,000.00		\$ 290,000.00	\$ 72,500.00	\$ 362,500.00
3Q		Traffic Signals Operational Assessment	\$ 10,000.00	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ 120,000.00		\$ 130,000.00	\$ 32,500.00	\$ 162,500.00
3R		CARES Act Planning Initiatives	\$ 10,000.00	\$ -	\$ 1,050,000.00	\$ -	\$ -	\$ -		\$ 1,060,000.00	\$ 2,500.00	\$ 1,062,500.00
3S		USC Shuttle Service/The COMET Transit Service Coordination Study	\$ 10,000.00	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ 120,000.00		\$ 130,000.00	\$ 32,500.00	\$ 162,500.00
3T		Service and Fair Equity Analysis	\$ 10,000.00	\$ -	\$ 160,000.00	\$ -	\$ 160,000.00	\$ 160,000.00		\$ 170,000.00	\$ 42,500.00	\$ 212,500.00
3U		The COMET Internship Program	\$ -	\$ -	\$ 60,000.00	\$ -	\$ 60,000.00	\$ 60,000.00		\$ 60,000.00	\$ 15,000.00	\$ 75,000.00
3V		Regional Gateways Project	\$ 10,000.00	\$ -				\$ -		\$ 10,000.00	\$ 2,500.00	\$ 12,500.00
3W		On Call Public Participation Consultant	\$ 48,000.00	\$ -	\$ 30,000.00	\$ -	\$ 30,000.00	\$ 30,000.00		\$ 78,000.00	\$ 19,500.00	\$ 97,500.00
3X		On Call Translation Services	\$ 24,000.00	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 10,000.00		\$ 34,000.00	\$ 8,500.00	\$ 42,500.00
<b>Total</b>			<b>\$ 1,535,000.00</b>	<b>\$ -</b>	<b>\$ 1,050,000.00</b>	<b>\$ 1,959,000.00</b>	<b>\$ -</b>	<b>\$ 1,959,000.00</b>	<b>\$ -</b>	<b>\$ 4,544,000.00</b>	<b>\$ 873,500.00</b>	<b>\$ 5,417,500.00</b>
<b>4</b>		<b>Transportation Improvement Program (TIP)</b>										
4A		TIP Development and Maintenance	\$ 50,000.00	\$ -						\$ 50,000.00	\$ 12,500.00	\$ 62,500.00
<b>Total</b>			<b>\$ 50,000.00</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000.00</b>	<b>\$ 12,500.00</b>	<b>\$ 62,500.00</b>
<b>5</b>		<b>Other Activities</b>										
5A		Miscellaneous Activities and Special Technical Assistance	\$ 75,861.00	\$ -						\$ 75,861.00	\$ 18,965.25	\$ 94,826.25
<b>Total</b>			<b>\$ 75,861.00</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,861.00</b>	<b>\$ 18,965.25</b>	<b>\$ 94,826.25</b>
<b>Grand Total</b>			<b>\$ 1,985,861.00</b>	<b>\$ -</b>	<b>\$ 1,050,000.00</b>	<b>\$ 1,959,000.00</b>	<b>\$ -</b>	<b>\$ 1,959,000.00</b>	<b>\$ -</b>	<b>\$ 4,994,861.00</b>	<b>\$ 986,215.25</b>	<b>\$ 5,981,076.25</b>

2022 & 2023 UPWP TABLE 3 - FAST ACT TASK MATRIX												
ID	SUB-ID	Category	PLANNING FACTORS								Estimated Completion Date	*Tracking Schedule
			Economic Vitality	Safety	Security	Accessibility and Mobility	Environment, Energy Conservation, Economic Development	Integration and Connectivity	System Management and Operation	System Preservation		
<b>1</b>		<b>Program Administration and Support</b>										
1A		General Administration	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
1B		Professional Services	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
1C		Public Participation	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
1D		UPWP Maintenance and Development	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
<b>2</b>		<b>Short-Range Transportation Planning</b>										
2A		Data Collection, Compilation, and/or Analysis	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
2B		Transportation Projects Implementation	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
2C		Geographic Information System (GIS)	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
<b>3</b>		<b>Long-Range Transportation Planning</b>										
3A		Air Quality and Conformity	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3B		Columbia East Sub-Area Plan	X	X	X	X	X	X	X	X	June-22	Technical Memos
3C		Long-Range Transportation Plan	X	X	X	X	X	X	X	X	December-21	Technical Memos
3D		Rail, Truck and Transit Planning	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
	3D - 1	Commuter Rail Feasibility Study	X	X	X	X	X	X	X	X	June-22	Technical Memos
	3D - 2	Charlotte/Columbia Alternative Analysis	X	X	X	X	X	X	X	X	June-22	Technical Memos
3E		Travel Demand Modeling	X	X	X	X	X	X	X	X	June-21	PL Quarterly Report
3F		Sustainable Communities	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3G		Bike, Pedestrian, and Greenway Planning	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
	3G - 1	Regional BikeShare Plan	X	X	X	X	X	X	X	X	June-22	Technical Memos
3H		Environmental Mitigation, Agency Consultation, and Safety & Security	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3I		Regional Transit ITS Architecture	X	X	X	X	X	X	X	X	June-22	Technical Memos
3J		MPO Regional Initiatives	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3K		COATS MPO Resiliency Study	X	X	X	X	X	X	X	X	June-22	Technical Memos
3L		Section 5307 Planning Projects	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
	3L-1	Five Year Short Range Transit Plan and Comprehensive Operational Analysis	X	X	X	X	X	X	X	X	August-21	Technical Memos
	3L-2	Origin and Destination and Demographic Survey	X	X	X	X	X	X	X	X	August-21	Technical Memos
	3L-3	TIP Development	X	X	X	X	X	X	X	X	August-21	PL Quarterly Report
3M		Congestion Management Plan	X	X	X	X	X	X	X	X	December-21	Technical Memos
3N		Regional Growth and Development Plan	X	X	X	X	X	X	X	X	August-22	PL Quarterly Report
3O		CMRTA Transit Planning	X	X	X	X	X	X	X	X	June-22	Technical Memos
3P		Transit Development Long Range Plan	X	X	X	X	X	X	X	X	September-22	Technical Memos
3Q		Traffic Signals Operational Assessment	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3R		CARES Act Planning Initiatives	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3S		USC Shuttle Service/The COMET Transit Service Coordination Study	X	X	X	X	X	X	X	X	June-22	Technical Memos
3T		Service and Fair Equity Analysis	X	X	X	X	X	X	X	X	December-22	PL Quarterly Report
3U		The COMET Internship Program	X	X	X	X	X	X	X	X	December-22	PL Quarterly Report
3V		Regional Gateways Project	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3W		On Call Public Participation Consultant	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
3X		On Call Translation Services	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
<b>4</b>		<b>Transportation Improvement Program (TIP)</b>										
4A		TIP Development and Maintenance	X	X	X	X	X	X	X	X	June-22	PL Quarterly Report
<b>5</b>		<b>Other Activities</b>										
5A		Miscellaneous Activities and Special Technical Assistance	X	X	X	X	X	X	X	X	June-22	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 used by MPO and SCDOT to track the progress of each task and the overall performance of the UPWP.

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**FY 2022 & 2023 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.

