

UNIFIED PLANNING WORK PROGRAM  
FY 2019 – 2021



ROCK HILL – FORT MILL AREA  
TRANSPORTATION STUDY

FUNDING AGENCIES:  
CITY OF ROCK HILL, YORK COUNTY,  
TOWN OF FORT MILL, LANCASTER COUNTY,  
CITY OF TEGA CAY, CATAWBA INDIAN NATION, FHWA AND FTA

FEDERAL AID PROJECT # PL-112

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**INTRODUCTION**

The Unified Planning Work Program (UPWP) for the Rock Hill–Fort Mill Area Transportation Study (RFATS) is developed biennially and documents all major transportation planning and related activities within the RFATS Study Area for the upcoming period (July 1, 2019 through June 30, 2021). It is important to note that federal financial support is received through a consolidated planning grant from the Federal Highway Administration and the Federal Transit Administration; with state funding from the South Carolina Department of Transportation (SCDOT); as well as local funding assistance from the member jurisdictions.

During the past two years, RFATS was involved in a number of notable transportation planning activities. These included implementation of the 2045 Metropolitan Transportation Plan; continued coordination on the Metrolina Regional Travel Demand Model; coordination with FHWA / SCDOT on Transportation Performance Management Requirements; initial implementation activities from the Greater Charlotte Regional Freight Study; coordination with regional partners on Thoroughfare planning; completion of an I-77 Corridor Analysis; adoption of statewide safety targets; coordination with regional partners on the development of CMAQ performances targets for the Charlotte UZA; finalizing the development of an MPO wide Collector Road Plan; completing a small area study along the SC 160 Corridor; coordination with regional partners on the development of a bi-state ITS / TIM Strategic Action Plan; as well as continued coordination of the Transportation Alternatives and CMAQ programs.

## OVERVIEW

With the passage of TEA-21 in 1998, the 15 metropolitan and 23 statewide planning factors for the old regulations were consolidated into eight factors. With the passage of SAFETEA-LU, the factors were expanded to include "...promote consistency between transportation improvements and state / local planned growth and economic development patterns." Under MAP-21, these planning factors remain unchanged. With the passage of the FAST Act, the planning factors were again expanded to include "...improve system resiliency and reliability; reduce stormwater impacts and enhance tourism and travel. The ten planning factors (for both metropolitan 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 nonmotorized users;
3. Increase the security of the transportation system for motorized and nonmotorized 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, for people and freight;
7. Promote efficient system management and operation, and;
8. Emphasize the preservation of the existing transportation system.
9. Improve system resiliency and reliability; reduce stormwater impacts
10. Enhance tourism and travel

## FAST ACT PLANNING FACTORS

UPWP Work Tasks	1	2	3	4	5	6	7	8	9	10
A. Administration	X	X	X	X	X	X	X	X	X	X
B. Data Collection / Regional Travel Demand Model		X	X							
B-1. Travel Monitoring / Regional Model				X		X	X			
B-2. Land Use / Socio-Economic Data Monitoring	X		X		X				X	
C. Transportation Planning Activities										
C-1. Long Range Planning	X	X			X	X			X	X
C-2. Air Quality Planning					X		X	X		X
C-3. Short Range Planning		X					X	X	X	X
C-4. Transportation Improvement Program (TIP)						X				
C-5. Mapping				X			X			

C-6. Multi-Modal Planning	X			X		X		X	X	X
D. Public Participation Process		X		X						
E. MPO Consultant Services				X	X	X		X		

**ORGANIZATION**

*Committees*

Policy Committee: The RFATS planning process is guided by a Policy Committee designated as the Metropolitan Planning Organization (MPO) by the Governor of South Carolina for the Rock Hill Urbanized Area as well as for those portions of the Charlotte and Gaston Urbanized Areas that extend into York and Lancaster counties. The RFATS Policy Committee is made up of twelve (12) voting members. The committee chair is determined through a yearly rotating schedule among members representing the local governments that participate in the planning process. The vice-chair is also selected by a vote of the members of the Policy Committee, and serves a one year term. The voting members of the Policy Committee include local elected officials from the City of Rock Hill (3), Town of Fort Mill (1), Lancaster County (1), City of Tega Cay (1), York County (2), State Senate Representative (1), State House Representative (1), SCDOT Highway Commissioner (1), and the Tribal Chief from the Catawba Indian Nation (1). Other agencies with interest and / or expertise in transportation participate in the process to provide additional input, advice and coordination on transportation issues and programs. Interested parties affected by the planning process may also be represented on committees such as the Technical Coordinating Committee (TCC) or Technical Team. Other advisory committees or subcommittees may be formed on an as needed basis to address technical issues and to seek out and secure public participation.

Technical Team: The RFATS Technical Team includes staff from each of the municipalities within the RFATS Planning Area; specifically, this includes the City of Rock Hill, Town of Fort Mill, Lancaster County, Catawba Indian Nation, City of Tega Cay and York County. Additional agency participants include the South Carolina Department of Transportation (SCDOT), the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), South Carolina Department of Health & Environmental Control (DHEC) and the Catawba Regional Council of Governments (CRCOG).

Citizens Advisory Committee: The Citizens Advisory Committee provides input and review of the RFATS transportation planning process and activities. This committee meets quarterly or more frequently as appropriate. Members include representation from the six RFATS communities and at-large members representing those traditionally underserved by the transportation system.

*Management*

The management of the transportation planning program for RFATS is the responsibility of designated planning agency staff at the City of Rock Hill. Principal responsibilities include coordination, development and preparation of all required RFATS plans and programs for submission to the Policy Committee after Technical Team analysis and an appropriate citizen input process, as applicable. It should be noted that other member communities may perform RFATS support tasks on a project specific basis. The SCDOT Office of Planning and Office of Public Transit provide technical support for the RFATS planning program as well.

Specifically, RFATS required plans and programs include:

- Development of biennial budget and work tasks of the UPWP
- Update and maintenance of the Metropolitan Transportation Plan (MTP)
- Ensuring the MTP is in conformance with the Clean Air Act and that the Plan meets the Conformity test for the Maintenance Area
- Development and maintenance of a conforming Transportation Improvement Program (TIP)
- Enhancing and maintaining the Public Participation Process (PPP)
- Update and maintenance of a Congestion Management Process (CMP) and the Congestion Mitigation & Air Quality Improvement (CMAQ) Program,

- Development and maintenance of multi-modal transportation initiatives such as public transit, bicycle and pedestrian improvements as well as the Transportation Alternatives Program (TAP)
- Support for intermodal planning activities, i.e., freight movement
- Update and maintenance of the Metrolina Travel Demand Model.
- Coordination, support and application of Transportation Performance Management Requirements.

### *Study Area*

The RFATS Study Area includes the Rock Hill Urbanized Area as defined by the U.S. Census (population 104,996 – 2010 Census ), those portions of the Charlotte and Gaston Urbanized Areas that extend across the state line, as well as those areas that are expected to become urbanized over a twenty year (20) planning horizon (reference Figure 1). As a point of reference, the Charlotte Urbanized Area extends into the Town of Fort Mill, City of Tega Cay, and portions of the panhandle of Lancaster County. This extended area has an estimated population of 68,958. Additionally, it should be noted that a very small portion of the Gaston Urbanized Area is reflected on the western edge of the RFATS boundary just north of the Town of Clover – approximate population is 162.

In order to maintain planning and programming continuity, the Charlotte Regional Transportation Planning Organization (CRTPO), Gaston–Cleveland–Lincoln MPO (GCLMPO) and RFATS have agreed through a Memorandum of Agreement (MOA), that transportation planning and the FHWA / State required products will remain the responsibility of RFATS (reference Figure 2). Federal planning and programming funds that are designated for the South Carolina portion of the Charlotte and Gaston Urbanized Areas will be allocated by SCDOT directly to RFATS to support on-going planning and project programming activities. As a result of this agreement (March 2013), membership on the Policy Committee was adjusted to include representation from the panhandle of Lancaster County.

Figure 1

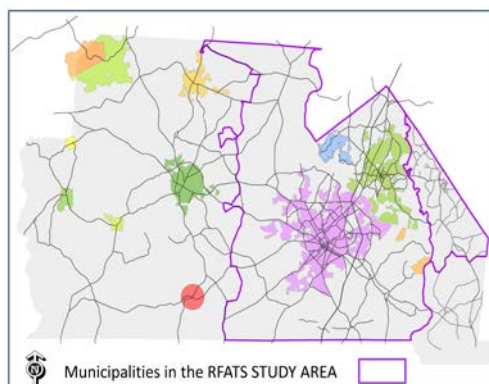
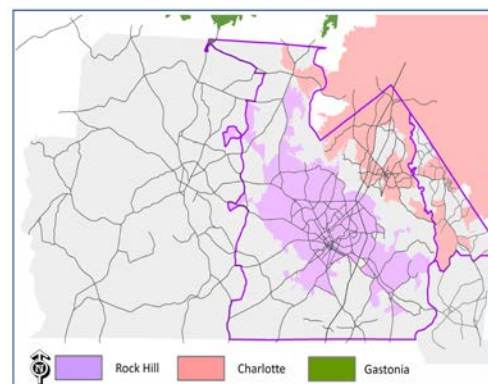


Figure 2



### **AIR QUALITY BOUNDARY**

The Environmental Protection Agency (EPA) released the nationwide list of counties that did not meet the 8-hour standard for ozone in 2004. The RFATS Study Area (See Figure 1) was designated non-attainment (“Moderate”) for ozone on April 15, 2004. This action was finalized on June 14, 2004. Since this time a new ozone standard has been implemented, and EPA has determined that RFATS has achieved attainment and is now classified as a maintenance area for ozone on December 11, 2015. This action was finalized on January 11, 2016. As a designated Maintenance Area, RFATS will continue to produce air quality conforming short (TIP) and long range plans (MTP) to demonstrate continued compliance with current ozone standards as well as to implement required air quality programs and related measures that will support ongoing improvement to regional air quality.

To address the Maintenance Area classification, RFATS actively participates in a regional transportation planning process with Charlotte and adjacent NC counties that are also designated Maintenance Areas. This is fundamentally accomplished through coordination, participation and oversight of a regional travel demand

model that is used to test the conformity of transportation plans. RFATS has a federally approved Conformity Determination Report for the Maintenance Area as of June 30, 2017 in accordance with 40 CFR Part 93, et al.

## **AREAS OF EMPHASIS**

The region's population growth as well as employment and housing impacts continue to be quite strong, and are projected to be a particularly robust development environment over the next ten years. Therefore, the need to plan for, implement and monitor a broad range of transportation system improvements will be especially important. The ability for the RFATS Study Area to remain livable and sustainable, as well as economically competitive is highly dependent on the quality of our transportation system and availability of services. In order to address transportation needs, RFATS work tasks in the FY 19 / 21 UPWP emphasize the following key areas:

- Regional cooperation and coordination – Metrolina Regional Travel Demand Model and CRAFT (Charlotte Regional Alliance for Transportation) participation are two important components to a proper assessment of expected benefits from transportation investments as well as for assuring broad operational capability across the broader transportation network.
- Update and maintenance of the Metrolina Travel Demand Model.
- Transportation Improvement Program (TIP) – continue to monitor and update as appropriate.
- Transportation Alternatives Program (TAP) – annual & multi-year project development process.
- Congestion Management Process – Update and continued implementation of Congestion Management Process (CMP) and Congestion Mitigation & Air Quality Improvement (CMAQ) Program.
- Ensuring the MTP is in conformance with the Clean Air Act and that the Plan meets the Conformity test for the designated Maintenance Area.
- Performance-Based Planning & Programming – development and implementation of performance targets that will support and strengthen established performance measures. This activity will also include completing regular reporting requirements consistent with the objectives of the FAST Act.
- Support for multi-modal planning initiatives – continued implementation of existing transit services and initiating new services to meet emerging demand patterns; continued support of land use coordination along the locally-preferred alternative for the eventual incorporation of a rapid transit alternative, as well as bicycle / pedestrian planning to improve connectivity and safety.
- Support for Intermodal planning activities for containerized ship-rail-truck freight, truck routes, regional freight distribution centers, and related highway and intersection capacity improvements.
- Connected & Autonomous Vehicles – As an evolving technology with both operational and land use impacts (among others), requires ongoing monitoring and evaluation of transportation system investments; Also, RFATS is an active partner on a CAV Task Force with adjacent planning agencies.
- ITS coordination to ensure that intelligent planning is an active component in the overall transportation planning process. Currently, RFATS is a contributing partner to the development of a bi-state ITS / TIM Strategic Action Plan with our adjacent planning partners in North Carolina.
- State Highway Safety Plan – project development and planning consistent with SHSP.
- Continuation and enhancement of Public Participation Process and supporting programs.
- Thoroughfare and sub-area planning, particularly in high growth areas.
- Short range planning, funding assessment, and implementation planning for projects identified in the cost-constrained MTP and TIP, Pennies for Progress projects, and accelerating project implementation.
- Undertaking small area studies / intersection analysis at priority congestion points and developing appropriate operational and/or capacity improvements as appropriate.
- Emphasis on the collector street system, corridor preservation, and network connectivity to maximize transportation system efficiency.
- Targeted focus on strengthening access management practices and standards along the arterial network throughout the MPO Study Area.

Financial support for these elements is reflected in the allocation of resources in the UPWP to ensure the planning program will assist to meet local and regional transportation needs of area residents and businesses.

## **PLANNING ACTIVITIES IN SUPPORT OF KEY AREAS OF EMPHASIS**

### *Regional Cooperation and Coordination*

RFATS will continue to provide both technical (staff) and financial support to maintain the Metrolina Regional Travel Demand Model. This support will further the goal of enhancing regional cooperation in transportation planning in the bi-state Metrolina Region. Staff currently coordinates with its MPO partners in North Carolina through CRAFT, which has as its core mission the implementation of a continuing, cooperative and comprehensive transportation planning process for projects and programs of a regional scope. RFATS actively participates in the functions of the CRAFT Technical Committee including: hosting meetings, agenda preparation and minutes; contributing to efforts associated with focus area initiatives as well as other initiatives deemed important by the Technical Committee. Ultimately, CRAFT exists to ensure coordination and consistency of the numerous transportation plans and programs being undertaken by the MPO's / RPO's throughout the entire metropolitan area. The intent of these efforts is implementation of an effective framework for regional cooperation on those issues that transcend political boundaries (i.e., air quality, traffic models, Metropolitan Transportation Plans, TIP's, CMP plans, TMA, transit, etc).

#### *Performance-Based Planning & Programming*

Performance-based planning & programming or "performance management" is a strategic approach that uses system generated information to make investment and policy decisions to achieve goals set for the multimodal transportation system in the MPO Planning Area. Specifically, performance-based planning & programming (PBPP), refers to the application of performance management as standard practice in the planning and programming decision-making process. With this in mind, the MPO has developed its PBPP process to fulfill these federal requirements - which includes tracking specific measures and setting appropriate performance targets, followed by regular reporting in coordination with the South Carolina Department of Transportation.

#### *Land Use and Socio-Economic Data Monitoring*

This key area of emphasis includes the continual monitoring of growth trends based on building permit and employment activities as well as updating the socio-economic data for the regional travel demand model. Work will focus on updating the data to ensure consistency with growth and transportation trends in the region. In addition, data from the Census Transportation Planning Package (CTTP) will continue to be analyzed to obtain additional insight into journey-to-work information in the RFATS Study Area.

#### *Update & Maintenance of the Metropolitan Transportation Plan and the Air Quality Conformity Report*

The 2045 MTP and Air Quality Conformity Report were approved by the EPA and the FTA in June 2017. Both will be subject to on-going maintenance based on the identification of new projects or changes in the scope of existing projects. Additionally, it is important to note that that MTP is slated to be updated during FY 20-21.

#### *Transportation Improvement Program (TIP)*

The TIP presents a list of projects that are planned for implementation each year over a five year period. The TIP is the list of all projects within the Study Area which are proposed for funding using federal, state, and/or local sources of support. RFATS coordinates with the SCDOT, York and Lancaster counties, Town of Fort Mill, City of Tega Cay, and the Catawba Indian Nation in order to implement the TIP projects. Innovative planning and financing methods have been used to fund existing and on-going projects (i.e. York County "Pennies for Progress" capital project sales tax program and partnership arrangements to expedite project implementation). This key area of emphasis will focus on Guideshare projects and Pennies for Progress projects within the RFATS Study Area.

#### *Transportation Alternatives Program (TAP)*

The TAP consists of annual and multi-year project identification, selection, and prioritization. Funding may be used for: bicycle / pedestrian facilities, as well as streetscape improvement efforts.

#### *Congestion Management Process: Program Monitoring & Implementation*

In order to ensure that the congestion management process serves as an effective planning tool, staff will continue monitoring and implementing the Congestion Management Process or CMP. This will include applying



appropriate operations and maintenance (O&M) strategies, such as geometric / signal improvements, application of sound access management practices, and continued coordination with SCDOT regarding the completion of roadway safety audits at locations with potential safety concerns. Additionally, SOV capacity adding projects will be subject to a CMP evaluation / documentation process to determine if adding additional capacity is the appropriate solution. As a point of reference, the CMP is in the process of being updated; this is expected to be complete in early FY 19–20.

#### *CMAQ Program Implementation*

RFATS administers the Congestion Mitigation & Air Quality Improvement (CMAQ) Program, which includes an annual project identification and selection process. RFATS is currently the only urban area in South Carolina that has been officially designated by EPA as a Maintenance Area for the 8-hour ozone standard (as a point of reference, it should be noted that the original non-attainment designation had RFATS classified at the Moderate level, and then Marginal – indicating that notable progress has been realized even as air quality standards have continued to be strengthened). The EPA considers RFATS' air quality the most degraded in South Carolina; and as such, RFATS receives a mandatory allocation under the CMAQ Program from the FHWA. The types of projects and programs eligible for CMAQ funding include: improved public transit; HOV or transit lanes; traffic flow improvements; park and ride facilities; programs and ordinances to reduce the need for SOV travel.

#### *Support for Multi-Modal Planning Initiatives*

Recognizing the need to continue moving from a focus on capacity widening projects towards strengthening a multi-modal transportation system, RFATS will continue to emphasize the development of transit and other modes of travel, including bicycle and pedestrian systems. With the completion of an MPO wide Bicycle / Pedestrian Connectivity Plan in FY 15/16 – identifying a regional network for making targeted improvements to provide a viable option for non-motorized mobility – RFATS continues to advance this blueprint among jurisdictional members as they evaluate new development proposals as well as for appropriate investment decisions that will maximize non-motorized mobility, safely and efficiently across the planning area.

Additionally, beyond trip specific transit options (i.e., Demand Response Service), the RFATS Study Area will have its 1<sup>st</sup> fixed route system operating within the Rock Hill Urbanized Area in July 2019; this marks a significant transition from trip specific availability to a route based format. This system will encompass roughly half a dozen alternative fuel buses (Proterra); providing service along 4 to 6 interconnected routes. Looking out more broadly, RFATS is an active contributor to a regional initiative known as the Regional Transit Engagement Series (lead by the Centralina COG and CATS), assessing the basis for the development of regional level rapid transit options across the Metrolina Region. The development of a supporting regional transit plan is slated to begin in late 2019. Lastly, RFATS staff will also continue its coordination with York and Lancaster counties and other municipalities as well as the Carolina Thread Trail initiative regarding the development of a regional trail system involving both Carolinas.

#### *Support for Intermodal Planning Activities*

RFATS recognizes the importance of intermodal freight and associated truck and distribution activities, as well as the economic impact of these activities in the study area. Freight movement and accompanying distribution centers may serve to increase economic activity and employment; however, careful planning and monitoring are necessary to ensure truck routes minimize impacts on local roadways (and to area residents), as well as reduce negative environmental impacts. During the upcoming planning period, staff will continue to further recommended projects, policies and studies identified as part of the Greater Charlotte Regional Freight Mobility Plan.

#### *Connected & Autonomous Vehicle Technology / Infrastructure*

As an evolving technology with both operational and land use impacts (among others), requires ongoing monitoring and evaluation of applicable innovation. RFATS is a member of the Greater Charlotte Connected &

Autonomous Vehicle (CAV) Task Force, and will continue to track expected impacts and recommended planning actions as things continue to progress. As a point of reference, the task force developed informational guidance on CAVs in FY 18–19, and this information was presented to the Technical & Policy Committees in early 2019, and then distributed to all jurisdictional members as a communication tool in their respective communities.

#### *Intelligent Transportation System Planning / Projects*

RFATS and SCDOT maintain active coordination regarding (ITS) deployment within the RFATS Study Area. While Incident Management has been the key application of ITS to date – assessment of operational monitoring and directional tools is being undertaken as a supplemental approach to improving traffic flow on our major arterial roadways. RFATS will continue to work with SCDOT to improve the incorporation / expansion of ITS planning in the broader transportation planning process in FY 19–21. With this in mind, RFATS is a supporting partner with our planning partners in North Carolina as well as SCDOT regarding the development of a bi-state ITS / TIM Strategic Action Plan; this study is expected to be initiated in 2019.

#### *State Highway Safety Plan*

The statewide highway safety plan is the key framework for highway safety. Therefore, RFATS will continue to support the plan as well as actively take account of its goals and key strategies in the transportation planning process. Specifically, RFATS staff will review how to contribute to the key strategies identified in the SHSP as well as coordinate with SCDOT on the development of appropriate, regionally-based safety strategies for the RFATS Study Area.

#### *Public Participation Process*

As a core part of the transportation planning process, the RFATS Policy Committee invites and encourages public participation. RFATS has increased public outreach and education through the development and application of an aggressive Public Participation Process. This plan was utilized during the updating of the current 2045 Metropolitan Transportation Plan, and will continue to be employed in FY 2019–21 in order to ensure that meaningful public participation continues to inform the RFATS Planning Process. It should be noted that the Public Participation Plan was evaluated and updated during 2018, consistent with Federal Requirements (i.e., three year update cycle and performance-based planning). Additionally, it is important to recall that the RFATS Policy Committee established a Citizens Advisory Committee to promote participation, input and information-sharing with traditionally underserved populations. This committee has been active since 2007, and continues to serve as a constructive venue for securing public input, consultation and guidance on the transportation planning process.

#### *Thoroughfare and Sub-Area Planning*

This key area of emphasis includes a focus on planning that will assure that the road system will be incrementally developed so that future travel demand can be managed through an appropriate mix of arterial and collector roads that maximizes the efficient output of system operations. This outcome involves identifying the general location and type of roadway facilities that will be needed. This is important in all environments, but particularly so in areas with high current and projected growth rates such as RFATS. A key component of this work effort will be application of a recently completed MPO wide Collector Road Plan that all jurisdictions can utilize during their individual development review and approval processes.

## **ALLOCATION METHODOLOGY**

The allocation of available funds in the UPWP is based on an assessment of ongoing activities in the current year UPWP and planned activities to be undertaken in the new fiscal year. In addition to in-house staff time spent on

RFATS related tasks, it is anticipated that consultant services will be utilized for project management assistance on specific objectives and tasks. The transportation planning activities are divided into the following general areas:

- Administration – general administration, program development, participation in regional coordination activities including coordination of air quality issues
- Data collection and regional travel demand modeling – collecting and monitoring growth, employment, land use and travel characteristics as well as other factors affecting travel; and participation on regional transportation coordination committees
- Transportation planning activities – includes transportation system work tasks which are supportive of the overall transportation planning effort
- Public participation – implementation and monitoring of the PPP consistent with federal/state guidelines.

#### **A. Administration**

Purpose: To provide effective and efficient management of the entire transportation planning program for the RFATS Study Area. This includes the support required to prepare and administer the UPWP and act as staff to the Policy Committee, Technical Team, Citizens Advisory Committee and other committees involved in the RFATS Planning Program.

Prior Work: Transportation planning activities are conducted by designated staff at the City of Rock Hill Planning & Development Department. It should be noted that staff from other member communities may also provide assistance on a project specific basis. Additionally, it should be noted that the various agencies involved in the MPO planning process actively participate as members of the Technical Team. Participants include the City of Rock Hill, the Town of Fort Mill, the City of Tega Cay, Lancaster County, the South Carolina Department of Transportation (SCDOT), the Federal Highway Administration (FHWA), the Federal Transit Administration, the South Carolina Department of Health & Environmental Control, the Catawba Indian Nation, and the Catawba Regional Council of Governments (CRCOG).

Scope/Work: To provide the administrative support and supervision that is needed to oversee the plans and programs identified in the UPWP and support overall MPO responsibilities within the planning area boundary. Tasks include: preparation of time sheets, annual and quarterly reports; administration of related grants; processing and maintaining related records, correspondence, agendas, minutes, maps and materials, and coordination of the MPO program with other transportation planning agencies. Staff will apply for and administer other related grants; meet requirements on contracts, purchases, fiscal accountability and audits. Funds administered by SCDOT, regardless of source, will be subject to provisions of OMS Circular A133, the Single Audit Act. The scope also includes staff participation at various training sessions related to the transportation planning process and the annual MPO conference. In addition, this task includes participation in regional transportation planning and coordination activities that have an impact on the transportation system within the RFATS Study Area – this includes membership in the Charlotte Regional Alliance for Transportation or CRAFT.

As a point of reference, CRAFT's core mission is to implement a continuing, cooperative and comprehensive transportation planning process for projects and programs of a regional scope. The MPO is expected to actively participate in the functions of the CRAFT Technical Committee including: hosting meetings, agenda development and minutes preparation; contributing to planning efforts associated with focus area and regional initiatives; as well as any other initiatives deemed important by the Technical Committee.

Responsibility: This element will be completed by RFATS staff, Project Management Consultants, member jurisdictions as deemed appropriate (i.e., project specific basis), and the SCDOT.

Products: Continuation of a comprehensive and coordinated transportation planning process and the management of a viable transportation planning program in the RFATS Study Area, including regional coordination of the entire transportation planning program with MPO partners in the Metropolitan Statistical Area (MSA). Other products include:

- Adopted FY 2019/21 UPWP
- Meeting agenda packets and minutes
- Communication to appropriate individuals and agencies
- Coordination with SCDOT regarding performance based planning and programming requirements (i.e., target setting, periodic reporting, etc)
- Transportation grant applications, financial reports and audits
- Invoices and quarterly progress reports, including fund records, expenditures and overall program progress
- Compliance with MPO Certification Review Comments and Corrective actions
- Internet Website maintenance and updates
- Outreach / Presentations to area stakeholders (i.e., Chambers of Commerce, Citizen Groups, Economic Development Organizations, Pennies for Progress, etc.)
- Training and conference attendance
- Regional coordination activities, (i.e., CRAFT, CONNECT Consortium and regional model)

Schedule:

- Policy Committee agenda packets / minutes – 6 days prior to meeting
- Transportation grant applications
  - FTA 5307 – March 2020 & 2021
  - SMTF – March 2020 & 2021
  - Other applications – as needed
- UPWP Preparation – March 2021
- PL and quarterly progress reports – July, Oct, Jan, and April
- Public notification/ website updates – at least monthly
- Grant invoices / reports – monthly
- Training / conferences – as available
- Performance Based Planning & Programming (training & coordination) – ongoing
- Regional meetings – quarterly
- Administrative duties – on-going
- CRAFT meetings – quarterly

Funding: A

SOURCE	SHARE	FY 19–20	FY 20–21
Local (Member Jurisdictions)	20%	\$10,000	\$10,000
Federal (FHWA–PL; FTA – 5303 Consolidated Planning Grant)	80%	\$40,000	\$40,000
State (SCDOT)			
Federal (FHWA–SPR)			
TOTAL (PL/Local)	100%	\$50,000	\$50,000

*\*FY 19–20 budget and projected work product delivery is illustrative until approved by SCDOT\**

**B. DATA COLLECTION / REGIONAL TRAVEL DEMAND MODEL**

This element includes the collection, analysis, and dissemination of data related to transportation planning. Land use and socio-economic data, including population, employment, and school enrollment totals, are collected from existing sources and inventoried by Traffic Analysis Zones (TAZ). In addition, travel data (counts) are obtained from the SCDOT traffic counting program, private development proposals, and from information collected from city police traffic counters and speed monitoring devices. It should be noted, that

freight specific data is utilized to support intermodal planning assessments and/or needs development. Finally, this element includes the annual maintenance costs for the Metrolina regional travel demand model.

*B-1 Travel Monitoring / Regional Model*

Purpose: Monitor current traffic characteristics and travel patterns. Data will provide planners with information on both existing and projected operating conditions of the transportation system and to assist in the identification of needs on an intermodal basis. Maintain and update regional travel demand model.

Prior Work: Traffic counts from 2017 were reviewed and information disseminated to the general public based on request. Traffic count data and speed studies were completed for several neighborhoods, road corridors and documented in a project notebook. Additionally, staff coordinated with the Model Team on VMT, speed and roadway functional classification. Lastly, the Metrolina Regional Travel Demand Model was updated and maintained in accordance with its agreed upon work plan.

Scope/Work: SCDOT conducts annual traffic counts, monitors auto registrations and accident trends and assists in analyzing area-wide travel trends. The Rock Hill Police Department completes special traffic counts and speed studies as needed or directed by the Traffic Commission. The City may procure computer hardware and/or software as needed to assist in the collection, storage, and analysis of traffic count data or outsource data collection to assist in the implementation of the Congestion Management Process or in support of Traffic Commission activities (i.e., operational efficiency, safety, etc). Count data will be updated on York County’s website. Staff will also work with the CRAFT Technical Committee to pursue, as appropriate, the recommendations of the Greater Charlotte Regional Freight Mobility Plan as well as other appropriate initiatives (upon completion); such as the regional bi-state ITS / TIM Strategic Action Plan as well as the planned development of a Regional Transit Plan consistent with the Regional Transit Engagement Series (a follow-up activity from the CONNECT Initiative).

Responsibility: RFATS staff, SCDOT, model custodian, Charlotte regional partners and consultant services.

Products:

- Improved traffic generation database
- Trip generation studies for various land uses
- Maintenance of traffic count database
- Street segment speed and electronic eye (stealth) count studies
- Composition/turning movements and accident reports
- Traffic count and/or flow map (digitized, geo-based)
- CMP network monitoring including congestion analysis
- Application of NPMRDS Data
- Major intersection inventory & congestion ranking based on operating LOS
- Acquisition of traffic counting devices (if needed)
- 2019 & 2020 Highway network updates (as appropriate) – June 2019 & 2020
- Freight Data

Schedule:

- Trip generation studies – monthly based on development projects
- Traffic monitoring / studies – monthly
- Freight Corridor Analyses (follow-up from Greater Charlotte Regional Freight Study)
- Traffic counts data website update – annual
- 2019 & 2020 Highway network updates

Funding: B-1

SOURCE	SHARE	FY 19-20	FY 20-21
Local (Member Jurisdictions)	20%	\$09,000	\$09,000

Federal (FHWA-PL; FTA - 5303 Consolidated Planning Grant)	80%	\$36,000	\$36,000
State (SCDOT)			
Federal (FHWA-SPR)			
TOTAL (PL/local)	100%	\$45,000	\$45,000

\*FY 19-20 budget and projected work product delivery is illustrative until approved by SCDOT\*

*B-2 LAND USE/SOCIO-ECONOMIC DATA MONITORING*

Purpose: Develop and maintain accurate transportation-related socio-economic and land use variables to support travel demand modeling. Data to be developed by TAZ and include both current and projected socio-economic data for the variables required for the traffic forecast model.

Prior Work: Staff supported socio-economic data needs for the Metrolina Model through the Planning Applications and Oversight Committee. Staff activities included an evaluation of employment data sources, potential impacts on model outputs, as well as completion of a regional CommunityViz initiative to streamline the data collection process with a focus on both consistency and timelines among regional planning agencies - this activity remains active. Lastly, staff continued to participate in coordinated meetings with the Metrolina partners regarding the administration of the Model.

Scope/Work: Staff will continue to update and coordinate land use and socio-economic data as appropriate to maintain data inventories in support of the Metrolina Regional Travel Demand Model. Population and employment locations and growth trends will be mapped. Additionally, data collected routinely by local units of government (utilities, building permits, development, and rezonings, etc.) and employment sources will continue to be evaluated (which will include utilization of CommunityViz outputs), and entered into a database to track growth activity. Tasks include:

- Continue implementation of SE data collection on an ongoing basis
- Make available TAZ population and employment data to ensure accuracy and consistency with transportation programs and plans
- Monitor residential building permits and housing starts by traffic zone/census block groups and convert to dwelling units and population estimates
- Monitor school enrollment by TAZ
- Collect business license information and other retail sales data and employment information by TAZ
- Develop data for comprehensive plan updates, corridor and focal point studies, as needed
- Participate both financially and with staffing resources in model maintenance activities as well

Responsibility: RFATS staff, Project Management Consultants, and/or contractors from local government and private data agencies already collecting land use and socio-economic information by traffic zones in the Study Area

Products: Study Area map and updated zonal files of socio-economic data for the base year, interim, and forecast year as well as travel demand model maintenance.

Schedule:

- Socio-economic data update for Metrolina travel demand model - July 2019 & 2020

Funding B-2:

SOURCE	SHARE	FY 19–20	FY 20–21
Local (Member Jurisdictions)	20%	\$3,000	\$3,000
Federal (FHWA–PL; FTA–5303 Consolidated Planning Grant)	80%	\$28,000	\$28,000
State (SCDOT)			
Federal (FHWA–SPR)			
TOTAL (PL/local)	100%	\$35,000	\$35,000

*\*FY 19–20 budget and projected work product delivery is illustrative until approved by SCDOT\**

### C. TRANSPORTATION PLANNING ACTIVITIES

This element will address the completion of required work products, the setting and application of transportation performance targets, regular TPM reporting, as well as various special studies that will assist in the identification of needed transportation system improvements for the RFATS Study Area. RFATS staff and SCDOT, working through the Technical Team will oversee planning activities and identify needed transportation improvements in compliance with federal requirements and regulations. The overall objective of this task is to maintain a current and responsive metropolitan transportation plan that meets air quality conformity requirements. Additionally, planning activities will include working with the CRAFT Technical Committee to ensure effective regional coordination of planning processes (i.e, LRTP, travel demand modeling); transportation performance management requirements (CMAQ target setting for the Charlotte UZA); as well as continuing to prepare for the future deployment of connected and autonomous vehicles. Lastly, other activities include the development of short range plans as components of the MTP that help circulation, connectivity, safety and mobility needs within the Study Area.

#### *C-1 Long Range Planning*

Purpose: To maintain (and undertake amendments as needed), the existing Metropolitan Transportation Plan in accordance with FHWA, FTA, and EPA Air Quality Conformity requirements.

Prior Work: Staff completed the 2045 MTP update in June 2017 with assistance from the Metrolina Partners and the Interagency Consultation Committee as well as Technical Team members. On May 19, 2017, the updated 2045 MTP was adopted by the Policy Committee in order to incorporate new projects into the 20-year horizon and respond to the requirements of the Clean Air Act (as amended), as well as the FAST Act. On June 26, 2017, the FHWA/FTA officially approved the updated 2045 MTP.

Scope/Work: Staff will continue to maintain the updated 2045 MTP and implement priority projects as funding permits. In early 2020, the process to update the MTP will be initiated, with completion slated for spring 2021. This work will ensure that the MTP remains in conformance with established air quality standards for the maintenance area and continues to satisfy the requirements of the FAST Act. Additional work activities will include performance-based planning and programming requirements as well as project specific testing to determine impacts on air quality. Lastly, staff will continue to work closely with SCDOT on the planned interchange reconfiguration projects at two critical points in the transportation network: (1) SC 160 / I-77; and (2) Celanese / Cherry Road / I-77.

Responsibility: RFATS staff, local governments, consultant services, and SCDOT.

Product: The adopted 2045 Metropolitan Transportation Plan (as updated in 2017) and Air Quality Conformity Report will be maintained, and the planned update to the 2050 MTP will be competed in spring 2021 in accordance with federal regulations for designated maintenance areas.

Schedule:

- Implementation and maintenance of 2045 MTP – ongoing
- Completion of 2050 MTP Update – spring 2021
- Interagency Consultation Group participation – monthly
- Completion of MTP amendments to maintain compliance – ongoing
- Implementation of Collector Road Study Recommendations – ongoing
- Performance-Based Planning & Programming (coordination & training) – ongoing

Funding C-1:

SOURCE	SHARE	FY 19–20	FY 20–21
Local (Member Jurisdictions)	20%	\$10,000	\$10,000
Federal (FHWA–PL; FTA–5303 Consolidated Planning Grant)	80%	\$40,000	\$40,000
State (SCDOT)			
Federal (FHWA–SPR)			
TOTAL (PL/local)	100%	\$50,000	\$50,000

*\*FY 19–20 budget and projected work product delivery is illustrative until approved by SCDOT\**

*C-2 Air Quality Planning*

Purpose: To maintain a conforming MTP/TIP in accordance with current requirements for designated maintenance areas.

Prior Work: Prior work consisted of compliance with EPA rules and regulations, on-going coordination with partnering agencies (Interagency Consultation Committee), and the development of the Conformity Report in conjunction with the updated 2045 MTP. RFATS staff also worked with DHEC on various issues, including an amendment to the conformity report as well as the D.C. Circuit Court Decision regarding the 1997 ozone standard. Additionally, staff continued coordination with the Interagency Consultation Committee regarding the procedures for undertaking air quality benefit analysis on CMAQ funded projects.

Scope/Work: Participate in the continued maintenance of the Metrolina Regional Model as needed to complete any conformity tests of planned projects in the MTP. Continue to work with DHEC and the Interagency Consultation Committee on ozone standards and their application to the RFATS Study Area. Other activities include:

- Coordination of the Interagency Consultation Process
- Participation in appropriate training as needed
- Update the conformity determination as needed in consultation with FHWA, EPA, SCDOT, DHEC and the Metrolina partners
- Transportation Performance Management – CMAQ Performance Targets
- CMAQ project selection and air quality benefit analyses as appropriate
- Attend relevant workshops, meetings and training sessions
- Work with DHEC on Regional Air Quality activities and application of new ozone standards
- Catawba Regional Air Quality coordination / participation

Responsibility: RFATS staff, consultant services, in conjunction with SCDOT, DHEC, EPA, and Metrolina partners

Products: Maintenance / amendments of the Air Quality Conformity Determination Report; completion of air quality analysis for projects (if needed), development of annual CMAQ project list, monitoring and reporting on CMAQ Performance Targets for the South Carolina portion of the Charlotte UZA and monitoring, implementation, and coordination of Interagency Consultation Committee.

Schedule:



- Interagency Consultation Committee – monthly
- CMAQ project selection – June 2019 & 2020
- CMAQ air quality benefit analyses – May 2019 & 2020
- MOVES; other training – as appropriate
- CMAQ projects implementation / monitoring – ongoing
- Air Quality Standards Implementation – ongoing
- Transportation Performance Management (CMAQ Requirements) – ongoing
- Charlotte Regional Air Quality coordination / participation – ongoing

Funding C-2:

SOURCE	SHARE	FY 19-20	FY 20-21
Local (Member Jurisdictions)	20%	\$5,000	\$5,000
Federal (FHWA-PL; FTA-5303 Consolidated Planning Grant)	80%	\$20,000	\$20,000
State (SCDOT)			
Federal (FHWA-SPR)			
TOTAL (PL/local)	100%	\$25,000	\$25,000

*\* FY 19-20 budget and projected work product delivery is illustrative until approved by SCDOT\**

*C-3 Short Range Planning*

Purpose: To identify short range projects, and provide coordinated transportation planning studies and traffic engineering analyses to maximize the efficiency of the transportation system.

Prior Work: Staff completed an MPO wide Collector Road Plan identifying desired connection routes as additional development occurs so that travel demand can be more effectively distributed across an appropriate network of supporting roads. Additionally, staff undertook a series of intersection analyses at priority points within the transportation network to lessen the degree of operational dysfunction and best accommodate the increasing travel demand occurring across the region. Other assignments included review / coordination on developments of regional impact, traffic safety operations, and the completion of an I-77 Corridor Analysis from Celanese Road up to the state line to identify a range of additional options for further strengthening operating conditions along this central convergence point within the transportation network.

Scope/Work: Small area studies will be undertaken along congested corridors and priority intersections to identify deficient operating characteristics and recommend appropriate improvement options. Additionally, an update to the Congestion Management Process (CMP) will be completed in FY 19-20 which will identify short, intermediate and long term improvement projects as well as recommend new policy options for proactively reducing contributors to recurring traffic congestion (i.e., components of land use decisions – internal connectivity, shared driveways, access management, etc). Also, targeted improvements along the SC 160 are slated to occur during this planning period. Lastly, it should be noted that the CRAFT Technical Committee has selected the development of an ITS / TIM Strategic Action Plan covering the region as a key work effort as well. As a point of reference, this item was a recommendation from the Greater Charlotte Region Freight Mobility Plan

Traffic engineering / transportation planning evaluations will be performed to measure consistency of policy and programs with development plans. These studies will be conducted to define the special needs and plans of the transportation system (including streets, parking facilities, sidewalks / bikeways, freight movement areas, and rights-of-way) to enable improvements to be developed, thereby increasing the overall consistency and operating efficiency of the transportation network. Complete Streets will continue to be encouraged in

both public and private projects. Additionally, the Transportation Alternatives Program (TAP) will be managed through the implementation of a priority-setting process using relevant evaluation criteria. Potential projects will be identified and recommended for inclusion in the TIP.

Responsibility: RFATS staff, Project Management Consultants, SCDOT, consultant services as well as other local governments conducting planning and traffic studies in the Study Area.

Products: Recommendations will be presented to the RFATS Technical Team, Policy Committee, city and county governments, and other appropriate implementing agencies. These reports include:

- Transportation System Management (TSM) reports as needed
- Special impact study reports
- Site plan reviews (transportation impacts/encroachments); complete streets review
- Thoroughfare and sub-area planning implementation
- Corridor plan studies / preservation ordinances
- Intelligent Transportation System evaluation, implementation and monitoring
- Rights-of-way protection ordinances
- Access Management studies; promotion of consistent standards
- Intersection improvement
- Traffic Operations / Commission Support
- Traffic Calming programs

Schedule:

- Traffic Commission support – ongoing
- Review of site plans / encroachment – as needed
- Small Area Studies – as needed
- CMP Annual Progress Report – September 2019 & 2020
- Collector Road Plan – continued emphasis / coordination with planning jurisdictions – ongoing
- SC 160 Corridor Analysis – Implementation of principal recommendations – 2019
- Coordination with SCDOT on ITS infrastructure / improvements – ongoing
- TAP program implementation / monitoring – ongoing
- Access Management studies / implementation – ongoing
- Complete Streets Planning / Implementation – ongoing

Funding C-3:

SOURCE	SHARE	FY 19-20	FY 20-21
Local (Member Jurisdictions)	20%	\$10,000	\$10,000
Federal (FHWA-PL; FTA-5303 Consolidated Planning Grant)	80%	\$40,000	\$40,000
State (SCDOT)			
Federal (FHWA-SPR)			
TOTAL (PL/local)	100%	\$50,000	\$50,000

*\*FY 19-20 budget and projected work product delivery is illustrative until approved by SCDOT\**

*C-4 Transportation Improvement Program (TIP)*

Purpose: To plan, develop, and prioritize a schedule of transportation improvements that are consistent with the Metropolitan Transportation Plan (C-1), Short Range Plans (C-2), STIP, and include YOY project cost estimates. Meet federal and state Metropolitan Planning requirements (i.e., Transportation Performance Management, etc.) identifying federal, state, and locally funded transportation improvements.

Prior Work: A TIP has been prepared to maintain a five-year horizon. Project status is monitored at RFATS Policy Committee meetings. Amendments have been processed as needed. Additionally, staff prepared and advertised an Annual TIP Progress Report.

Scope/Work: The TIP will be monitored under the direction of the RFATS Policy Committee in cooperation with state, federal, and local officials. The Technical Team will make recommendations to the Policy Committee for appropriate revisions. The TIP will reflect a project selection and prioritization process for all projects (consistent with Act 114 and supportive of Transportation Performance Management Objectives), as well as communicate the progress of TIP projects during the preceding year for public review. TIP projects will include improvements recommended from the Metropolitan Transportation Plan and short range transportation analyses (C-1, C-2, C-3 ).

Responsibility: RFATS and SCDOT will participate in the preparation and updating of the TIP.

Product: The TIP will be consistent with the Metropolitan Transportation Plan, including project maps, and will be prepared, amended (as needed), and documented in an annual report for public review.

- Schedule:
- Monitor TIP and recommend amendments – as needed
  - Monitor TPM progress in coordination with SCDOT
  - Annual TIP progress report – July 2019 & 2020
  - Annual List of Federally-Obligated Projects – January 2020 & 2021

Funding C-4:

SOURCE	SHARE	FY 19-20	FY 20-21
Local (Member Jurisdictions)	20%	\$4,000	\$4,000
Federal (FHWA-PL; FTA-5303 Consolidated Planning Grant)	80%	\$16,000	\$16,000
State (SCDOT)			
Federal (FHWA-SPR)			
TOTAL (PL/local)	100%	\$20,000	\$20,000

*\*FY 19-20 budget and projected work product delivery is illustrative until approved by SCDOT\**

*C-5 Mapping*

Purpose: Production of accurate maps showing existing roads, linked to available surveillance and planning data. Maps will be digitized and geo-based, when possible.

Prior Work: Basic street maps within the Study Area have been digitized and linked with mapping layers for zoning, parcel, and address data. Additionally, TAZ mapping reflects both 2010 Census Data as well as the annual updates reflecting changes in SE data reported to the Regional Travel Demand Model. Staff has also prepared and regularly updates a comprehensive ArcGIS mapping tool reflecting all projects (from all funding sources) within the RFATS Planning Area. This work was undertaken in coordination with our regional CRAFT partners to improve both the project planning process as well as overall project transparency.

Scope/Work: RFATS staff will be responsible for maintaining accurate geo-based Study Area maps, including the base map, TAZ maps, project maps, and the data elements assembled in Data Collection Tasks (B-1, B-2). Visuals of the MTP and TIP will be prepared to inform the Policy

Committee and the general public on transportation projects. Lastly, staff will maintain and update the ArcGIS Online Mapping Tool as appropriate.

Responsibility: RFATS staff, local governmental agencies, and project management consultants.

Product: The official Study Area Map and database, to include:

- Address database and TAZ layer (adjusted to base)
- Base street map layer and census
- TIGER (Census) road layer
- ArcGIS Online Mapping Tool – RFATS Website
- Traffic volume and flow layer(s)
- Socio-economic database & layer(s)
- MTP, TIP and other relevant transportation maps

Schedule:

- Create maps to support program areas – ongoing

Funding C-5:

SOURCE	SHARE	FY 19-20	FY 20-21
Local (Member Jurisdictions)	20%	\$3,000	\$3,000
Federal (FHWA-PL; FTA-5303 Consolidated Planning Grant)	80%	\$12,000	\$12,000
State (SCDOT)			
Federal (FHWA-SPR)			
TOTAL (PL/local)	100%	\$15,000	\$15,000

\*FY 19-20 budget and projected work product delivery is illustrative until approved by SCDOT\*

*C-6 Multi-modal Planning*

Purpose: Multi-modal Planning will consist of supporting and evaluating transit options, including support for the Rock Hill Express commuter route as well as the new fixed route service known as “My Ride” that is slated to begin operations in July 2019 – as well as planning for other new multi-modal initiatives / projects. The program will be coordinated with other federal, state, and local agencies, as appropriate.

Prior Work: Staff continues to coordinate with the Charlotte Area Transit System (CATS) regarding on-going operations associated with the regional express bus service (Rock Hill Express 82X). The service agreement was renewed in 2018 and is amended annually to reflect the latest operating cost structure. Staff also continues to monitor and recommend appropriate enhancements to the demand response transit program (York County Access), based on ridership demand levels.

Additionally, staff continues to work with jurisdictional members regarding options for initiating transit service north of the Catawba River (i.e., City of Tega Cay, Town of Fort Mill, and unincorporated urbanized areas of York County). As a point of reference, it is important to note that the FAST Act has a provision allowing a certain amount of 5307 funding from large urbanized areas to be utilized for stand-alone demand response service. Historically, this has not been a permissible option.

Looking out more broadly, RFATS continues to work with planning partners in the Greater Charlotte Region on the so-called Regional Transit Engagement Series – which is a follow-up activity from the CONNECT Initiative. The RTES is focused on establishing a working framework for the development of a regional transit plan (covering an eleven county area)

supporting regional scale rapid transit alternatives. With community outreach now complete, this effort is focused on assembling the necessary funding components to put an RFQ out on the street in late 2019 / early 2020. As a point of reference, this work effort recognizes that RFATS previously completed an MIS Study (with the City of Charlotte, FTA, etc) back in 2007 that resulted in an endorsed LPA along the US 21 Corridor that would link up with the existing Light Rail Station in Pineville, NC.

Supplementing transit planning activities, staff continues to support implementation priorities from an MPO wide bicycle / pedestrian connectivity plan, which outlines a regional network for improvement planning to strengthen non-motorized mobility within the planning area. Lastly, several trail projects continue to be implemented in Rock Hill, Fort Mill, Tega Cay, York and Lancaster counties, as does participation in regional trail planning (i.e., Carolina Thread Trail Initiative) involving counties in both Carolinas.

Scope/Work: Staff will continue coordination with CATS and the City of Rock Hill on service quality and effectiveness as well as coordinate with member jurisdictions regarding ongoing implementation work (i.e., coordination of land use practices along the US 21 Corridor) in support of good planning decisions that are ultimately transit supportive for the eventual incorporation of a rapid transit alternative.

Responsibility: RFATS staff, member jurisdictions, and Project Management Consultants.

Product:

- Continued support for the Rock Hill Express Bus Service (CATS 82X)
- Support for the new “My Ride” Fixed Route Service
- Transit corridor implementation activities – land use coordination
- Training and conference attendance
- Continued implementation of recommendations from the MPO Urbanized Area Transit Study
- CMAQ project candidates – transit
- Transit grants
- Continue demand response service for Rock Hill Urbanized Area
- Implementation of recommendations from the MPO Bicycle/Pedestrian Connectivity Plan
- Carolina Thread Trail segments within the RFATS Study Area
- Continued coordination with planning partners in North Carolina regarding the Regional Transit Engagements Series lead by the Charlotte Area Transit System and the Centralina Council of Governments

Schedule:

- Monitor 82X bus service trends / performance – monthly
- Monitor “My Ride” service trends / performance – ongoing
- Implementation of Rapid Transit Study recommendations (coordination of land uses) – ongoing
- Coordination with NC Partners re Rapid Transit Planning – ongoing
- Implementation of project priorities from MPO wide Bicycle / Pedestrian Connectivity Plan – ongoing
- Implementation of Urbanized Area Transit Study – ongoing
- SMTF application – March 2020 & 2021
- FTA application – March 2020 & 2021

Funding:

SOURCE	SHARE	FY 19-20	FY 20-21
Local (Member Jurisdictions)	20%	\$8,000	\$8,000
Federal (FHWA-PL; FTA-5303)	80%	\$32,000	\$32,000

Consolidated Planning Grant)			
State (SCDOT)			
Federal (FHWA-SPR)			
TOTAL (PL/local)	100%	\$40,000	\$40,000

*\*FY 19-20 budget and projected work product delivery is illustrative until approved by SCDOT\**

**D. PUBLIC PARTICIPATION PROCESS**

Purpose: The RFATS Public Participation Process is designed to inform, encourage, and reflect participation by the general public during the development and implementation of transportation plans and programs; to facilitate citizen participation and input; and to ensure that the requirements of Title VI are met in the planning process.

Prior Work: RFATS continues to implement revised public notification procedures outlined in the Policy Committee Bylaws as well as maintain / update its website. Local news media coverage on RFATS programs continues to increase. Several articles about the commuter bus service, demand response program, and the increasing role of bicycle / pedestrian planning have been featured during the past two years. Website, public meetings, and additional news coverage have enhanced public communication and citizen participation.

The Policy Committee established a Citizens Advisory Committee to provide input and feedback on RFATS planning efforts and programs. The CAC meets quarterly or more frequently as appropriate. Additionally, the CAC prepares and submits an annual report to the Policy Committee outlining their participation and activities as well as any recommendations for improvement.

Scope/Work: RFATS will make its meetings and work products available for public review in person, on the website as well as through all member jurisdiction websites. In addition, for all major plans and products (i.e., Metropolitan Transportation Plan, TIP, etc.), the Policy Committee will adhere to its public notification procedures as stated in the adopted RFATS bylaws and public participation plan. Additionally, websites of RFATS partners as well as local government channels (such as RH19, the Rock Hill City Channel; Town of Fort Mill Channel, etc.) will continue to be utilized as a source for presenting information and seeking public input. It should also be noted that Facebook and other outreach avenues are being utilized as well.

Staff will continue to refine public participation/consultation mechanisms and techniques as part of an annual review process. Staff will continue to seek input from groups that have been traditionally underserved by existing transportation systems/services, and consider their needs in the development of various plans. Staff will continually analyze the current public participation process relative to Title VI requirements and make revisions, as appropriate.

Responsibility: RFATS staff, member jurisdictions, CAC, SCDOT and potentially, consultant services

- Products:
- Citizens Advisory Committee meetings and activities
  - Public meetings and community workshops re proposed plans and updates
  - Materials and products available for review
  - Meeting notices, agendas, and public review documents posted on RFATS communities' websites
  - Maintenance / updating of Title VI Plan, as appropriate
  - Production of an RFATS Annual Report documenting transportation planning activities for the year
  - RFATS website updates
  - CAC Annual Report

Schedule:

- Citizens Advisory Committee meetings – quarterly
- RFATS annual TIP progress report – July 2019 & 2020
- Coordinate with CATS public outreach on 82X bus route – quarterly
- Coordinate with City of Rock Hill public outreach on fixed route service
- Update website information – at least monthly
- Public review of plans and projects – as appropriate
- CAC Annual Report – January 2019 & 2020

Funding:

SOURCE	SHARE	FY 19–20	FY 20–21
Local (member jurisdictions)	20%	\$5,000	\$5,000
Federal (FHWA–PL; FTA–5303 Consolidated Planning Grant)	80%	\$20,000	\$20,000
State (SCDOT)			
Federal (FHWA–SPR)			
TOTAL	100%	\$25,000	\$25,000

\*FY 19–20 budget and projected work product delivery is illustrative until approved by SCDOT\*

**E. MPO CONSULTANT SERVICES**

Purpose: To provide support to RFATS for MPO planning products and to supplement staff services in order to meet MPO requirements.

Prior Work: Consultant services were used to supplement MPO staff resources during the development of the 2045 MTP and Air Quality Conformity Report and Metrolina Model support. In addition, consultant services were used for short–range planning activities as needed (i.e., small area studies, annual network update, etc.) through the MPO Project Mgmt Contract.

Scope/Work: Specific tasks and assignments will be determined based on a work plan developed by RFATS Administrator. Potential consultant work activities include assistance with traffic/congestion studies; management/maintenance of the Metrolina Model; Metropolitan Transportation Plan Update annual transit and network update, and other small area studies.

Responsibility: Consultant work activities will be authorized and coordinated by the RFATS Administrator. Technical Team and Policy Committee members will be kept apprised of the consultant’s work activities.

Products: Consultant services will assist in the successful completion of RFATS reports and studies identified in the UPWP.

- Annual Roadway and Transit Network Update
- Small Area Studies / Planning Analysis
- Freight Corridor Analysis
- 2050 LRTP Update & Air Quality Conformity Report
- CommunityViz Planning Applications
- Update to Congestion Management Process (CMP)
- Annual Socio–Economic & Land Use Update
- MRM – Planning & Applications Oversight Committee

Schedule:

- Annual Roadway & Transit Network Update – May 2019 & 2020
- Small Area Studies – ongoing
- MRM – Planning & Application Oversight Committee – ongoing
- Congestion Management Process (CMP) Update – fall 2019

- 2050 LRTP Update & Air Quality Conformity Report – spring 2021
- CommunityViz Planning Application – ongoing
- Annual Socio-Economic & Land Use Update – March through May 2019 & 2020

Funding: Local match will be provided by RFATS local government partners based on their pro-rata population make-up of the Study Area. The partners include: City of Rock Hill, York and Lancaster counties, Town of Fort Mill, City of Tega Cay, and the Catawba Indian Nation.

SOURCE	SHARE	FY 19-20	FY 20-21
Local (member jurisdictions)	20%	\$38,100	\$37,900
Federal (FHWA-PL; FTA-5303 Consolidated Planning Grant)	80%	\$152,400	\$151,600
State (SCDOT)			
Federal (FHWA-SPR)			
TOTAL	100%	\$190,500	\$189,500

\*FY 19-20 budget and projected work product delivery is illustrative until approved by SCDOT\*

**TABLE 1 – AGENCY PARTICIPATION – RFATS UPWP FY 2019-20**



WORK TASK(S)	RFATS	FHWA (CPG FUNDS)	FTA	SCDOT	TOTAL
A. Administration	\$10,000	\$40,000			\$50,000
B-1 Travel Monitoring / Regional Model	\$9,000	\$36,000			\$45,000
B-2 Land Use / Socio Economic	\$7,000	\$28,000			\$35,000
C-1 Long Range Planning	\$10,000	\$40,000			\$50,000
C-2 Air Quality Planning	\$5,000	\$20,000			\$25,000
C-3 Short Range Planning	\$10,000	\$40,000			\$50,000
C-4 TIP	\$4,000	\$16,000			\$20,000
C-5 Mapping	\$3,000	\$12,000			\$15,000
C-6 Multi-Modal Planning	\$8,000	\$32,000			\$40,000
C-6 Multi-Modal Planning (SMTF)			(2) \$225,000	(3) \$134,524	\$359,524
D. Public Participation Process	\$5,000	\$20,000			\$25,000
E. MPO Consultant Services	\$38,100	\$152,400			(1) \$190,500
<b>TOTAL</b>	<b>\$109,100</b>	<b>\$436,400</b>			<b>\$545,500</b>
FY 18 Projected CPG Carryover Balance		\$938,570			

[1] General Consultant Services - Local Cash Match to be divided among MPO local govts. Based on population % of RFATS Study Area.

[2] FTA 5303 & 5307 Funds utilized to support CATS 82X Express Bus Service, City of Rock Hill "My Ride" Fixed Route Service, and York County Access Demand Response Program as well as transit planning studies. Amount reflected in Agency column, but not included in UPWP totals for PL budgeting purposes.

[3] SMTF Grant Funds (match to FTA 5303 & 5307 Grant Funds, to support CATS 82X Express Bus Service, City of Rock Hill "My Ride" Fixed Route Service and York County Access Demand Response Program as well as support transit planning studies. Amount reflected in Agency column, but not included in UPWP total for PL budgeting purposes.

**TABLE 1 – AGENCY PARTICIPATION – RFATS UPWP FY 2020-21**

<b>WORK TASK(S)</b>	<b>RFATS</b>	<b>FHWA (CPG FUNDS)</b>	<b>FTA</b>	<b>SCDOT</b>	<b>TOTAL</b>
A. Administration	\$10,000	\$40,000			\$50,000
B-1 Travel Monitoring / Regional Model	\$9,000	\$36,000			\$45,000
B-2 Land Use / Socio Economic	\$7,000	\$28,000			\$35,000
C-1 Long Range Planning	\$10,000	\$40,000			\$50,000
C-2 Air Quality Planning	\$5,000	\$20,000			\$25,000
C-3 Short Range Planning	\$10,000	\$40,000			\$50,000
C-4 TIP	\$4,000	\$16,000			\$20,000
C-5 Mapping	\$3,000	\$12,000			\$15,000
C-6 Multi-Modal Planning	\$8,000	\$32,000			\$40,000
C-6 Multi-Modal Planning (SMTF)			(2) \$228,000	(3) \$135,000	\$363,000
D. Public Participation Process	\$5,000	\$20,000			\$25,000
E. MPO Consultant Services	37,900	\$151,600			(1) \$189,500
<b>TOTAL</b>	<b>\$108,900</b>	<b>\$435,600</b>			<b>\$544,500</b>
FY 19 Projected CPG Carryover Balance		\$898,718			

[1] General Consultant Services - Local Cash Match to be divided among MPO local govts. Based on population % of RFATS Study Area.

[2] FTA 5303 & 5307 Funds utilized to support CATS 82X Express Bus Service, City of Rock Hill "My Ride" Fixed Route Service, and York County Access Demand Response Program as well as transit planning studies. Amount reflected in Agency column, but not included in UPWP totals for PL budgeting purposes.

[3] SMTF Grant Funds (match to FTA 5303 & 5307 Grant Funds, to support CATS 82X Express Bus Service, City of Rock Hill "My Ride" Fixed Route Service and York County Access Demand Response Program as well as support transit planning studies. Amount reflected in Agency column, but not included in UPWP total for PL budgeting purposes.



**CERTIFICATION OF THE ROCK HILL-FORT MILL AREA  
TRANSPORTATION STUDY PLANNING PROCESS**

*Be it known to all that the below signers do hereby endorse and certify the Planning Process for the Rock Hill-Fort Mill Area Transportation Study (RFATS), and further certifies that this Planning Process addresses the major issues facing the area and is being conducted in accordance with the requirements of: 23 U.S.C. 134, and the applicable regulations; Section 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c) and (d)); Title VI of the Civil Rights Act of 1964 and the Title VI assurance executed by each State under the Fixing America's Surface Transportation Act (Fast Act) (P.L. 111-94) and 49 CFR Part 26 regarding the involvement of disadvantaged business enterprise in FHWA and FTA funded planning projects and provisions of the Americans with Disabilities Act and US DOT regulations "Transportation for Individuals with Disabilities" (49 CFR Parts 27, 37, and 38).*

ATTEST:

A handwritten signature in black ink, appearing to read "D. Hooper", written over a horizontal dashed line.

David F. Hooper, AICP  
MPO Administrator

DATE: 6/28/19

APPROVED:

A handwritten signature in black ink, appearing to read "J. Britt Blackwell", written over a horizontal dashed line.

J. Britt Blackwell  
Chairman

DATE: 6/28/19



South Carolina  
Department of Transportation

LOCAL PROJECT AGREEMENT (LPA)  
COORDINATION REQUIREMENTS FOR PROCUREMENT OF CONSULTING  
SERVICES

The following process is intended to comply with LPA requirements by ensuring eligibility of planning activities utilizing Federal-Aid funds. Planning activities by definition do not include findings required by National Environmental Policy Act (NEPA), the acquisition of real property, or the management/oversight of construction projects. Federal funds may include PL, SPR, STP, NHS, CMAQ or any other Federal-Aid Program funds. In the event that the MPO, COG or sub-recipient intends to procure consulting services utilizing federal funds to complete tasks outlined in the approved Unified Planning Work Program (UPWP) or Rural Planning Work Program (RPWP), the following steps must be adhered to in sequence in order to ensure federal participation in the project:

STEP I

- Ensure that the project is included the UPWP or RPWP
- Submit a draft scope of work in sufficient detail to determine that all work elements are eligible under Title 23 USC
- Submit a draft advertisement that will be used in South Carolina Business Opportunities (SCBO)
- Submit an internal estimate of the project cost
- Receive a notice to proceed from SCOOT to advertise the request for proposal

STEP2

- Include the SCOOT and FHWA as non-voting members of the selection committee
- Submit a recommendation to SCOOT for approval of the selected firm(s) with documentation of the evaluation process
- Submit a copy of the negotiation process
- Receive notice to proceed from SCOOT

STEP3

- Submit a copy of the draft agreement
- Receive final notice from SCOOT to execute agreement and initiate project

I hereby acknowledge that all procurement activities will follow the above described steps. Any deviation for this process will jeopardize federal reimbursement for the project.

5-17-19  
DATE

  
MPO/COG PLANNING AGENCY DIRECTOR

If applicable:

\_\_\_\_\_  
DATE

\_\_\_\_\_  
SUB-RECIPIENT