

UNIFIED PLANNING WORK PROGRAM

ADOPTED
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CHATS

CHARLESTON AREA
TRANSPORTATION
STUDY

Fiscal Years
2020 & 2021



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INTRODUCTION

The Charleston Area Transportation Study (CHATS) was initiated in 1965 as a joint effort of the Charleston County Planning Board, the South Carolina State Highway Department, and the Federal Highway Administration. The purpose of the original CHATS Study, completed in 1968, was to determine future highway needs and delineate a transportation network designed to satisfy expected travel demands. Increased awareness of the interdependence of other elements of the transportation system and changing federal requirements have necessitated broadening the scope of CHATS to include planning for transit, bicycle, and pedestrian facilities as well as highways, and coordination with aviation and port agencies in the Charleston area.

In 1973, the BCD Regional Planning Council (now the Council of Governments) was assigned responsibility for conducting the CHATS program. A Policy Committee, established to oversee the activities of the CHATS program, was designated as the Metropolitan Planning Organization (MPO) in 1977. The then State Department of Highways and Public Transportation (currently the SCDOT) and the Berkeley-Charleston-Dorchester Council of Governments were concurrently designated to staff the MPO. As the MPO, CHATS is responsible for all local decisions pertaining to the region's urban transportation planning program. Elected and appointed officials from all local governments and each mode of transportation are represented on the CHATS Policy Committee. In this manner, the Policy Committee acts as a forum for cooperation and decision-making that engages the elected officials of each local government.

The Unified Planning Work Program (UPWP) for The Charleston Area Transportation Study (CHATS) is developed biannually, with an interim annual update, to outline all major transportation planning and related activities within the CHATS Study Area for the upcoming fiscal years. While it is the mission of CHATS to complete work planned within a program year, task elements may span multiple fiscal years and therefore are carried forward into subsequent Work Programs until completion.

It is important to note that federal financial support to implement the work program is received through a consolidated planning grant from the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA); with state funding from the South Carolina Department of Transportation (SCDOT); as well as local funding assistance from the member jurisdictions.

ORGANIZATION AND MANAGEMENT

Policy Committee: The CHATS planning process is guided by a Policy Committee designated as the Metropolitan Planning Organization (MPO) by the Governor of South Carolina for the Charleston Urbanized Area and those portions of Berkeley, Charleston, and Dorchester counties that are expected to be urbanized by the year 2035. Within the CHATS area, there are fourteen separate municipalities, three county governments, and a population of approximately 775,000 persons.

The CHATS Policy Committee is made up of 50 voting members. The committee chair is determined through a biannual rotation among members representing each of the three counties.

The *CHATS Study Team* includes staff from each of the counties and municipalities within the CHATS Study area, as well as SCDOT, FHWA, CARTA, SC Ports Authority, Joint Base Charleston, school districts, and utilities.

Implementation of the program is a joint effort of the BCDCOG, SCDOT, and various member agencies or governments within the CHATS Study Area. Administration of the transportation planning program is the responsibility of the BCD Council of Governments. This agency is responsible for coordinating, developing, and preparing all required CHATS plans and programs for submission to the Policy Committee after Study Team analysis and an appropriate citizen input process, as applicable. Technical support is provided by the South Carolina Department of Transportation (SCDOT) Office of Planning and Office of Public Transit and oversight of the entire CHATS process is provided by the Federal Highway Administration (FHWA) in cooperation with the Federal Transit Administration (FTA). Additional coordination is maintained with the SC State Ports

Authority, the Charleston County Aviation Authority, and transit operators. Through this collaborative process, not only can overlapping responsibilities and duplication of effort be minimized, but the regionalized coordinated effort can effectuate a safe, efficient transportation system for citizens, employees and visitors, and the movement of goods in the region.

Specifically, CHATS required plans and programs include:

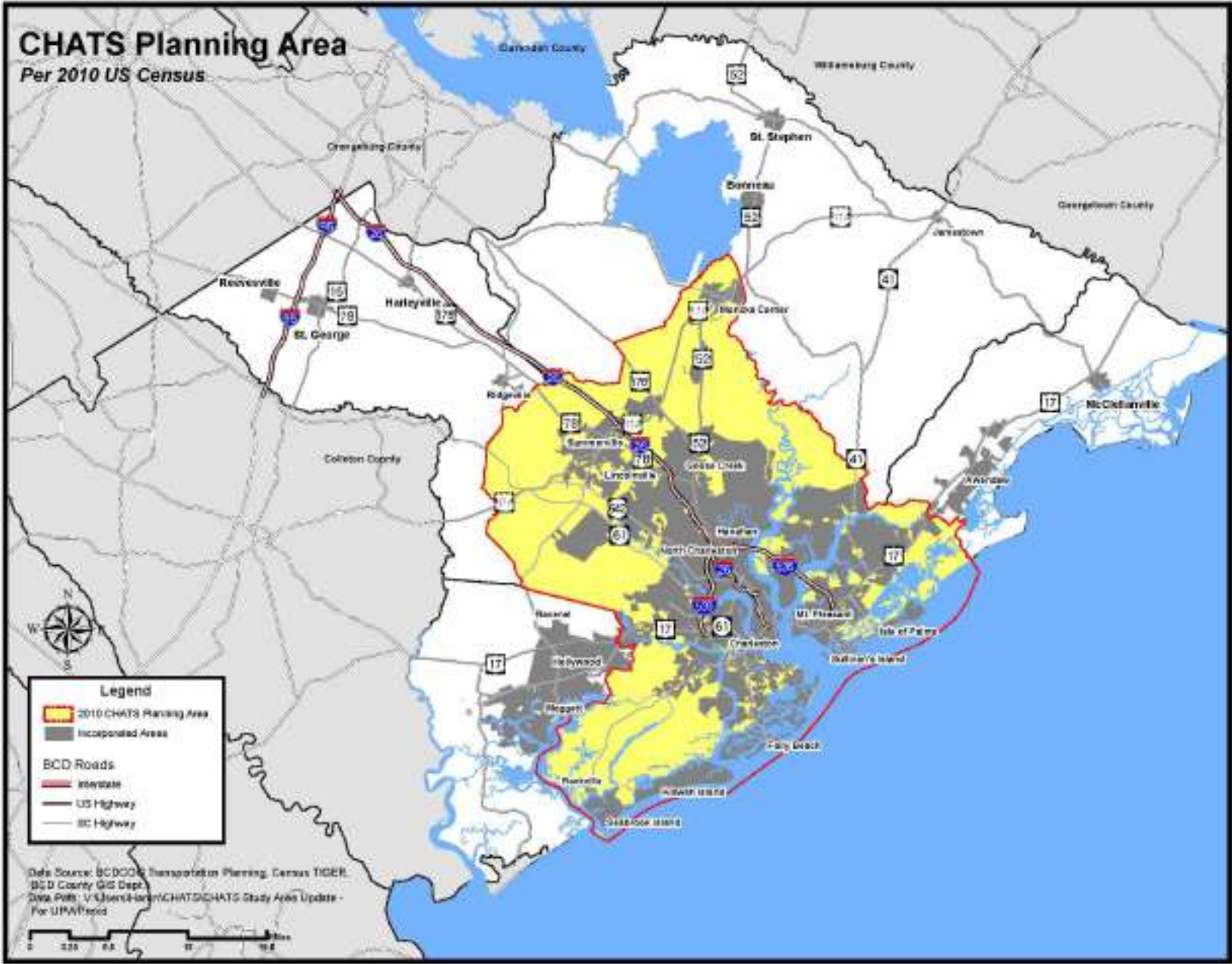
- Development of annual budget and work tasks of the UPWP
- Update and maintenance of the Long Range Transportation Plan (LRTP)
- Development and maintenance of a conforming Transportation Improvement Program (TIP)
- Enhancing and maintaining the Public Participation Process (PPP) in accord with the adopted Title VI Civil Rights and Limited English Proficiency Plan
- Development and maintenance of a Congestion Management Program (CMP)
- Implementation of transportation demand management initiatives, including the I-26/ I-526 Commuter Services Program
- Implementation of the regional Human Service Transportation Coordination Plan
- Implementation of transportation projects and programs for vulnerable populations including seniors and the disabled
- Development and maintenance of multi-modal transportation initiatives such as 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 CHATS Travel Demand Model

STUDY AREA

A map depicting the CHATS Planning Area incorporating the 2010 urbanized area is provided on the next page. The boundaries conform to guidelines, issued by FHWA and FTA, for establishing area transportation study boundaries.

CHATS Planning Area

Per 2010 US Census



Data Source: BCDCC's Transportation Planning, Census TIGER, BCD County GIS Dept.
 Data Path: V:\Users\jw\CHATS\CHATS Study Area Update - For UPA\Food

TRANSPORTATION PLANNING FRAMEWORK

FAST ACT

On December 4, 2015, President Obama signed the [Fixing America's Surface Transportation \(FAST\) Act](#) (Pub. L. No. 114-94) into law providing five years of funding for surface transportation infrastructure planning and investment. The FAST Act authorizes \$305 billion over fiscal years 2016 through 2020 for highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology, and statistics programs. The FAST Act maintains the transportation focus on safety, keeps intact the established structure of the various highway-related programs, continues efforts to streamline project delivery, and provides a dedicated source of federal dollars for freight projects. With the enactment of the FAST Act, states and local governments are moving forward with critical transportation projects.

CHATS

Utilizing annual funding from the Consolidated Planning Grant and carryover funds available, CHATS assesses effectiveness of the region's transportation program in accord with guidance from FHWA, FTA and SCDOT. Overall, the processes used to identify needed transportation improvements and project selection are guided to achieve the following goals:

1. *Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.* The CHATS MPO work program focuses on coordination of transportation projects with local governments and agencies to improve the MPO region's global competitiveness. This is achieved by promoting transportation corridors that improve access to and within the region, thus enhancing the flow of goods and services to the global market. A prime example is the cooperation between CHATS, SCDOT, and the South Carolina Ports Authority on expansion of the Charleston Port, construction of the Port Access Road, evaluation of regional freight movements, implementation of the Folly Road Complete

Streets Plan, completion of I-526, and addressing traffic congestion on I-26 and I-526.

2. *Increase the safety of the transportation system for motorized and non-motorized users.* CHATS continues to encourage projects that include enhanced safety features for transportation in the region, such as pedestrian facilities, bicycle facilities, and coordinating with the local schools on the Safe Routes to School program.
3. *Increase the security of the transportation system for motorized and non-motorized users.* CHATS continues to strive for the integration of transportation plans with emergency response, resiliency and recovery plans, as well as implementing technology to secure the transportation infrastructure. Coordinated planning efforts enhance safety to residents and provide options during an emergency. Intelligent Transportation Systems and signal system upgrades continue to be planned to aid in security.
4. *Increase the accessibility and mobility of people and freight.* The CHATS MPO continues to work with all local governments in the CHATS planning area to update and amend the TIP for the 2017-2022 programming period as needed. Travel demand modeling continues to be used as a tool to analyze the current highway network and projected future network demand to identify areas of congestion where transportation projects should be prioritized. Additionally, mobility of people and freight movement continues to be addressed through planning for land use development that makes efficient use of the transportation infrastructure.
5. *Protect and enhance the environment, promote energy conservation, and promote consistency between transportation improvements and state and local planned growth and economic development patterns.* In an effort to reduce pollution and protect the environment, the CHATS MPO monitors the highway network and implements projects identified in the Congestion Management Plan. The CHATS MPO continues to work with state and local governments and agencies to coordinate transportation projects,

including those planned in support of identified centers and economic development nodes, in a consistent and environmentally sound manner including the identification of electric vehicle charging stations and autonomous vehicle corridors.

6. *Enhance the integration and connectivity of the transportation system across and between modes, for people and freight.* The CHATS MPO continues to examine the integration of multiple transportation systems within the region. To address this issue, the CHATS MPO administers implementation of the Human Service Transportation Coordination Plan, facilitates service coordination between the urban and rural transit systems, and implementation of the completed alternatives analysis (*i-26ALT Study*) that determine the Locally Preferred Alternative for a fixed guideway transit service in the I-26 corridor. Transportation projects are also designed to enhance the interface between modes through programs such as Complete Streets, Transportation Demand Management, and comprehensive land use planning.
7. *Promote efficient system management and operation.* The CHATS MPO continues working with SCDOT on funding system improvements that promote efficient operations such as implementation of Phase I of the Signal System Study and other Intelligent Transportation Systems projects, as well as project design and selection.
8. *Emphasize the preservation of the existing transportation system.* In all plans and projects the CHATS MPO will continue to examine the existing transportation system before making recommendations for improvements. To facilitate this, the MPO will continue to employ its GIS-based information system, the travel demand model for the region, and the project ranking process that emphasizes multimodal transportation solutions with the greatest benefits at the lowest cost.
9. *Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of*

surface transportation. In all plans and projects the CHATS MPO will continue to examine the impacts of nuisance flooding and climate change/sea level rise projections on the existing transportation system before making recommendations for improvements. To facilitate this, the MPO will continue to coordinate with entities, including but not limited to the Charleston Resiliency Network, to identify strategies for mitigating impacts of nuisance flooding and inadequate stormwater systems while improving the resiliency of the region's infrastructure, including transportation.

10. *Enhance travel and tourism.* The CHATS MPO will continue to coordinate with the Charleston Visitors Bureau and regional chambers of commerce to identify transportation issues and needs for visitors, as well as the mobility of residents employed in tourism related industries.

CHATS PLANNING WORK PROGRAM OVERVIEW

The CHATS planning work program include comprehensive planning activities in support of these areas of emphasis by focus in five (5) broad areas:

- ✓ *Program Administration*, including the coordination and administrative management of a TIP, which identifies projects and/or programs to receive various sources of Federal funding for highway, transit, and intermodal facilities and programs. Additional work under this focus area includes facilitating Transportation Alternatives Program (TAP) activities, providing transportation data and planning reports to the public, and assisting local governments on transportation planning issues.
- ✓ *Surveillance/Data Collection* in support of transportation planning endeavors within the CHATS planning area. Collection and maintenance of data related to changes in land uses and socio-economic conditions, and monitoring travel and development patterns to determine evolving growth areas enable CHATS and Staff to identify potential

transportation congestion areas and opportunities for intermodal linkages. This focus area includes coordination with the US Census Bureau and monitoring air quality requirements and potential issues effecting continued compliance with the Clean Air Act.

- ✓ *Congestion Management*, including examination of the transportation system's deficiencies and areas of congestion that can be addressed through application of congestion management strategies and planning for efficient transport of people and goods by enhanced linkages in modes of transportation. A principal emphasis in this focus area is on transit service planning and management, to assist with expansion and enhancement of transit service in the CHATS planning area. Included in this focus area of the work program are tasks encouraging development of complete streets and context-sensitive transportation projects and transportation demand management initiatives.
- ✓ *Long Range Transportation Planning*, including maintenance and implementation of CHATS' adopted 2040 Long Range Transportation Plan. Primary initiatives supporting this focus area include expanding the capacity and maintenance of the in-house travel demand model, conducting special studies of areas and corridors involving transportation issues, coordinating with local jurisdictions on planning efforts surrounding major transportation corridors to ensure linkages with land uses, facilitating development of strategic corridor improvement plans, and stewarding implementation of multi-jurisdictional plans including, but not limited to ReThink Folly Road, the Neck Area Master Plan, WalkBike BCD, the Regional Transit Plan, and the regional land use plan, OurRegion, OurPlan.
- ✓ *Public Participation*, facilitating active citizen education and participation in all CHATS planning processes in accord with the adopted Public Participation Plan, Program Management Plan, Title VI and DBE plans.

FY2018 AND FY2019 MAJOR ACCOMPLISHMENTS

The CHATS planning work program for fiscal years 2018 and 2019 was successful in accomplishing a number of these objectives including:

- Coordinating CHATS Policy Committee and standing committee meetings;
- Preparing and adopting amendments to the current TIP;
- Coordinating with SCDOT on transition to an electronic Statewide Transportation Improvement Program (eSTIP);
- Assisting with implementation of previously approved Transportation Enhancement projects; including servicing as a designated Local Project Administrator;
- Facilitating development of new Transportation Alternatives projects for a three-year cycle of funding;
- Assisting local jurisdictions in preparation of comprehensive plan transportation and land use elements, as well as zoning and land development regulations;
- Coordinating with local jurisdictions to collect building permit data and updated development projections;
- Preparing and distributing maps for traffic counts annually;
- Assisting CARTA and TriCounty Link in collection of ridership information, route planning projects and grant applications;
- Processing data from the US Census for publication in reports used by the public and other agencies;
- Analyzing transportation pattern data from the US Census and Travel Demand Model;
- Coordinating with SCDHEC to facilitate air quality monitoring and public education activities;
- Assisting member jurisdictions with employment of congestion management strategies;
- Completing a five-year update of the Long Range Transportation Plan and upgrading the Travel Demand Model;
- Coordinating quarterly meetings of human service transportation providers to support development of the Statewide Multimodal Strategic Plan and regional Human Service Transportation Coordination Plan updates;
- Continued implementation of the regional Mobility Management program;
- Collaborating with member jurisdictions and regional organizations to improve bike/pedestrian facilities and their safety/connectivity within the region;
- Coordinating new initiatives with implementation of adopted Plans such as the Neck Area Master Plan;
- Providing oversight of FTA Section 5310 subrecipients' grant implementation;
- Coordinating efforts to further achieve recommendations of the Transit Service Consolidation Study;
- Implementation of the Comprehensive Operational Analysis of CARTA and analyses of alternatives for a Fixed-Guideway within the I-26 corridor (i-26ALT Study), initiating the process for Lowcountry Rapid Transit's entry into the FTA New Starts project development;
- Updating the region's DBE Plan;
- Implementing the regional Human Service Transportation Coordination Plan;
- Completing a Commuter Services Outreach Plan (Lowcountry GO) focused on I-26 & I-526;
- Completing a regional Bicycle and Pedestrian Master Plan and Regional Transit Framework Plan for adoption within the 2040 LRTP;
- Completing a regional assessment of potential Park and Ride locations;
- Coordinating with the jurisdictions and the Charleston Resiliency Network to provide outreach and data to assess flooding impacts on the transportation infrastructure.

CHARLESTON AREA TRANSPORTATION STUDY (CHATS)/MPO
UNIFIED PLANNING WORK PROGRAM

FY 2020/FY2021

(July 1, 2019 – June 30, 2021)

- 1.0 PROGRAM ADMINISTRATION
 - 1.1 CHATS ADMINISTRATION AND MANAGEMENT
 - 1.2 TRANSPORTATION IMPROVEMENT PROGRAMMING
 - 1.3 TRANSPORTATION ALTERNATIVES PROGRAM
 - 1.4 TECHNICAL ASSISTANCE

1.1: CHATS Administration and Management

Objectives: To effectively and efficiently administer and manage initiatives of the MPO (CHATS) Policy Committee and its various advisory committees and subcommittees to ensure compliance with federal and state requirements; coordination of MPO activities with those of local and state agencies/governments; documentation of CHATS activities; and to ensure Staff has adequate training and resources to conduct these activities.

Scope/Work: The BCDCOG will continue to provide staff support to the CHATS Policy Committee, CHATS Study Team, Special/Standing Advisory Committees, Citizen Advisory Committees, and all other ad-hoc or permanent subcommittees. The Staff will implement work tasks contained in this UPWP and other administrative activities including, but not limited to, the following:

- Arrange meetings, prepare and distribute meeting notices, agendas, and agenda materials;
 - Prepare certification documentation, agreements, resolutions, and memoranda of understanding etc. on behalf of CHATS;
 - Maintain financial records of all revenues and expenditures;
 - Prepare timesheets, annual and quarterly reports documenting activities;
 - Make application and administer related grants in accord with requirements on contracts, purchases, fiscal accountability and audits;
 - Conduct research, attend training sessions and other workshops/meetings related to CHATS programs and current trends in transportation planning methods (includes travel expenses, registration, purchase of publications and other related expenses);
 - Participate in regional transportation planning activities that have an impact on the transportation system in the CHATS area; serve as liaison to other organizations such as the State Infrastructure Bank, the SC State Ports Authority, local transportation transit providers, trucking and rail industry representatives, and the Charleston Aviation Authority; coordinate with the Local Option Transportation Sales Tax programs to ensure coordination among regional transportation projects;
 - Purchase/maintain any computer software/hardware needed to maintain records of the CHATS planning program;
 - Monitor implementation of the current Unified Planning Work Program (UPWP), amend as necessary to address performance goals and measures as released, and prepare an annual update to the two-year UPWP for FY2021;
 - Prepare an annual listing of federally funded obligated projects;
 - Continue to ensure all programs and activities comply with Title VI of the Civil Rights Act of 1964, Environmental Justice principles and procedures, SCDOT/FTA DBE programs, and FAST ACT.
-

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Adopted FY2020/FY2021 UPWP maintained and amended: Ongoing with update for FY2021 by April 2020
- Prepare meeting agendas, material packets and minutes and distribute one-week in advance of quarterly CHATS Policy Committee and Study Team meetings to *(tentatively)* be held: July and October 2019, January, and April 2020
- Prepare Grant Applications as opportunities are announced, quarterly financial reports and annual audits: Ongoing
- Prepare invoices and quarterly reports for submission to SCDOT for each preceding quarter; the 15th day of October 2019, January, April, and July 2020
- Collect documents to demonstrate Compliance for the next MPO Certification Review: Ongoing
- Prepared annual list of obligated projects for approval and public notification: January 1, 2020
- Purchase/maintain any computer software/hardware needed to maintain records of the CHATS planning program: As needed by June 30, 2020
- Participate in quarterly meetings/trainings with SCDOT on performance planning/measuring/monitoring: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$153,587
LOCAL	\$38,397
OTHER	\$0
Total	\$191,984
% OF TOTAL PL BUDGET:	3.19%

Schedule of Products FY2021:

- Prepare a FY2022/FY2023 UPWP draft for review by FHWA/FTA/ SCDOT: March 1, 2021 with CHATS adoption by May 2021
- Prepare meeting agendas, material packets and minutes and distribute one-week in advance of CHATS Policy Committee and Study Team meetings to *(tentatively)* be held quarterly: July and October 2020, January, and April 2021
- Prepare Grant Applications, quarterly financial reports and annual audits: Ongoing
- Prepare invoices and quarterly reports for submission to SCDOT for each preceding quarter; the 15th day of October 2020, January, April, and July 2021
- Collect documents to demonstrate compliance for the next MPO Certification Review: Ongoing
- Prepared annual list of obligated projects for approval and public notification: January 1, 2021
- Participate in quarterly meetings/trainings with SCDOT on performance planning/measuring/monitoring: Ongoing
- Purchase/maintain any computer software/hardware needed to maintain records of the CHATS planning program: As needed by June 30, 2021 program

Funding Sources FY2021

FHWA (PL)/FTA	\$100,000
LOCAL	\$25,000
OTHER	\$0
Total	\$125,000
% OF TOTAL PL BUDGET:	2.06%

1.2: Transportation Improvement Program

Objectives: To continue producing and maintaining a TIP document compliant with the current Transportation Authorization Bill, including any amendments, updates and administrative corrections needed to address federal funding of projects and projects of regional significance that may or may not involve federal funding.

Scope/Work: BCDCOG will coordinate with SCDOT on review of proposed projects for priority recommendation to the CHATS Policy Committee for inclusion in the TIP, and implement tasks to ensure the CHATS Study Team, appropriate advisory committees, and affected jurisdictions are advised of recommendations and/or provide input. Other work activities related to this project include, but are not limited to, the following:

- Coordinate with SCDOT for guidance on the process, and requirements of FHWA/FTA for inclusion of TIP projects in the STIP;
- Analyze proposed amendments and administrative corrections to the current TIP for policy implications, financial impact, alignment with adopted performance measures, and expected cost benefits of proposed improvements;
- Update the complete TIP document to include an assessment of anticipated effects of proposed projects on achievement of adopted performance targets;
- Consult with SCDOT for information on proposed projects in the MPO area from various departments and divisions of SCDOT, including Local Public Agency Administration (LPAA) staff, for inclusion in the TIP;
- Coordinate with SCDOT and transportation staff of local jurisdictions (counties and cities) on the progress of current TIP projects, including funding adjustments and obligations;
- Coordinate with SCDOT/OPT, the Charleston Area Transportation Authority (CARTA) and the Berkeley Charleston Dorchester Rural Transportation Management Association (BCD RTMA) to monitor funding and progress of FTA funded transit projects in the MPO area for inclusion in the TIP;
- Track the status of project implementation and process updates to maintain a historical record of projects within the current TIP;
- Work with SCDOT on implementing and using the ETIP which will help in with the transmittal process to update the ESTIP/STIP;
- Post draft TIP/STIP amendments for public comment in accord with the updated Public Participation Plan.
- Prepare updated TIP document for FY2021-2027 for adoption.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- FY 2017-2022 TIP maintained/amended/updated: Ongoing
- Submittal of TIP amendments to SCDOT for inclusion in the STIP: Within 5 business days of CHATS approval
- Publish advertisements of TIP amendments for public review: In accord with the adopted Public Participation Plan
- Status reports on implementation of all TIP projects to CHATS: Annually-January 2020
- Evaluate project baselines and alignment with MPO performance targets when considering amendments involving new projects: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$20,000
LOCAL	\$5,000
OTHER	\$0
Total	\$25,000
% OF TOTAL PL BUDGET:	0.42%

Schedule of Products FY2021:

- FY 2017-2022 TIP maintained/amended/updated: Ongoing
- Submittal of TIP amendments to SCDOT for inclusion in the STIP: Within 5 business days of CHATS approval
- Publish advertisement of TIP amendments for public review In accord with the adopted Public Participation Plan: Ongoing
- Status reports on implementation of all TIP projects to CHATS: Annually-January 2021
- Evaluate project baselines and alignment with MPO performance targets when considering amendments involving new projects: Ongoing
- Transition TIP document to FY2021-2027 programming: September 2020

Funding Sources FY2021

FHWA (PL)/FTA	\$14,000
LOCAL	\$3,500
OTHER	\$0
Total	\$17,500
% OF TOTAL PL BUDGET:	0.29 %

1.3: Transportation Alternatives Program

Objectives: To facilitate a process that plans and prioritizes Transportation Alternatives Program (TAP) activities under the FAST ACT, including active Transportation Enhancement (TE) projects, Safe Routes to School and Recreational Trails activities under prior transportation bills. To conduct activities that advance implementation and monitoring of local TE/TAP projects.

Scope/Work: The BCDCOG staff will coordinate tasks in support of the Transportation Alternative Program (TAP) in accord with CHATS policies on TE/TAP projects and other transportation alternatives planning activities, including but not limited to, the following:

- Coordinate all administrative functions in support of the Transportation Enhancement Advisory Committee* including preparation of meeting agendas, minutes, staff reports, etc.;
- Advise local jurisdictions on the requirements and process for advancing potential projects through the triennial competitive award process adopted by the CHATS Policy Committee;
- Conduct preliminary evaluations and rankings of enhancement projects proposed by local jurisdictions to make recommendations for funding to the CHATS (standing) Transportation Enhancement Advisory Committee*;
- Coordinate reports of the CHATS (standing) Transportation Enhancement Advisory Committee* advising the CHATS Policy Committee on the evaluation process, funding priorities, and progress of approved enhancement/TAP planning activities;
- Assist SCDOT staff in monitoring and reporting progress of approved TE/TAP projects funded through CHATS;
- As an approved SCDOT Local Public Agency manage any phase of project development or construction of TE/TAP funded projects as requested by grantees, including coordination with procured professional engineering services as needed;
- Coordinate with SCDOT on inclusion of approved TE/TAP projects in the TIP and STIP;
- Provide input and assistance as requested on Safe Routes to School, SCPRT Recreational Trails, and Scenic Byways and Highways projects;
- Attend SCDOT/FHWA training sessions on LPA project management or TE/TAP programming requirements.

*Note: CHATS Transportation Enhancement Advisory Committee name has not been changed

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Prepare meeting materials, information, and reports to the standing Transportation Enhancement Advisory Committee*: Ongoing
- Prepare and present annual project status report to the standing Transportation Enhancement Advisory Committee* and CHATS Policy Committee: January 2020
- Execute agreements to serve as the LPA on projects as requested: Initiate project process within 3 months of contract execution
- Facilitate the process to review requests and program funding for new TAP projects for the next three-year period of time: November 2019

Funding Sources FY2020

FHWA (PL)/FTA	\$6,398
LOCAL	\$1,599
OTHER	\$0
Total	\$7,997
% OF TOTAL PL BUDGET:	0.13%

Schedule of Products FY2021:

- Prepare meeting materials, information, and reports to the standing Transportation Enhancement Advisory Committee*: Ongoing
- Prepare and present annual status report to the standing Transportation Enhancement Advisory Committee* and CHATS Policy Committee: January 2021
- Execute and implement agreements to serve as the LPA on projects as requested: Initiate project process within 3 months of contract execution
- Facilitate the process to review requests and program funding for new TAP projects for the next three-year period of time pending reconciliation of available funding due to lapsed funds: November 2020

Funding Sources FY2021

FHWA (PL)/FTA	\$12,000
LOCAL	\$3,000
OTHER	\$0
Total	\$15,000
% OF TOTAL PL BUDGET:	0.25%

1.4: Technical Assistance

Objectives: To provide transportation data and planning reports to the public and to assist local governments on transportation and related planning issues. To foster better coordination of planning efforts across jurisdictional boundaries, promote better informed decision-making by staff and policy makers, and better inform citizens of the relationships between land use and development decisions with transportation systems. To support implementation of the current CHATS MPO Long Range Transportation Plan by encouraging growth patterns and community design to lessen adverse impacts of growth on the regional transportation system.

Scope/Work: The BCDCOG will advise and provide staff assistance to local governments within the CHATS planning area on technical matters, as well as offer information to individuals and agencies making inquiries concerning CHATS plans and programs. Typical tasks include, but are not limited to, the following:

- Coordinate opportunities for discussions about land use implications on regional transportation infrastructure and programs;
- Provide technical assistance regarding land use planning, urban design, multimodal planning, traffic congestion, and access management to individual jurisdictions as tools for accommodating and mitigating impacts of new growth;
- Assist jurisdictions with planning for, and prioritization of, newly identified local funds for transportation improvements, including county transportation sales tax levies and competitively awarded discretionary grants;
- Assist jurisdictions with identifying methods for implementing performance-based planning provisions such as collecting performance data, selecting and reporting performance targets for transportation improvements prioritized at the local level;
- Provide assistance and data, including travel demand model output and transportation demand management strategies, to jurisdictions that undertake transportation planning associated with individual comprehensive plan updates/reviews;
- Provide assistance to individual jurisdictions seeking to implement transportation programs and policies promulgated within adopted comprehensive plans;
- Assist with local, regional and state disaster mitigation and recovery, and community resilience planning of transportation services and systems;
- Continue presentations, conduct scenario planning activities, and update travel demand projections to enhance public education about transportation planning and specific plans completed for the region and principal corridors;
- Provide support to general comprehensive planning activities to encourage growth patterns and community design that address affordable housing needs while reducing negative impacts on transportation infrastructure;
- Provide training of local planning/zoning board and commission members on the interrelationship of land use planning/land development decisions with transportation mobility within the region.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Make presentations on CHATS land use and transportation initiatives: As requested
- Log documentation of input provided on local transportation improvements: Ongoing
- Prepare Comprehensive Plan Transportation Elements as requested: Ongoing
- Prepare notices, facilitate and coordinate attendance documents for state-mandated training sessions for locally appointed officials: November 2019 and May 2020

Funding Sources FY2020

FHWA (PL)/FTA	\$100,000
LOCAL	\$25,000
OTHER	\$0
Total	\$125,000
% OF TOTAL PL BUDGET: 2.08 %	

Schedule of Products FY2021:

- Make presentations on CHATS land use and transportation initiatives: As requested
- Log documentation of requests for information/input provided on local transportation improvements: Ongoing
- Prepare Comprehensive Plan Transportation Elements: As requested
- Prepare notices, facilitate and coordinate attendance documents for state-mandated training sessions for locally appointed officials: November 2020 and May 2021

Funding Sources FY2021

FHWA (PL)/FTA	\$95,000
LOCAL	\$23,750
OTHER	\$0
Total	\$118,750
% OF TOTAL PL BUDGET: 1.96 %	

CHARLESTON AREA TRANSPORTATION STUDY (CHATS)/MPO
UNIFIED PLANNING WORK PROGRAM

FY 2020/FY2021

(July 1, 2019 – June 30, 2021)

- 2.0 SYSTEM SURVEILLANCE/DATA COLLECTION
 - 2.1 LAND USE/SOCIO-ECONOMIC DATA MONITORING
 - 2.2 TRANSPORTATION SYSTEM SURVEILLANCE
 - 2.3 CENSUS COOPERATION
 - 2.4 AIR QUALITY MONITORING

2.1: Land Use/Socio-Economic Data Monitoring

Objective: To improve the quality of transportation plans and other planning endeavors in the CHATS planning area through ongoing collection and maintenance of data related to existing and proposed land uses and evolving socio-economic conditions affecting transportation planning and issues.

Scope/work: The BCDCOG will continue to collect and maintain data to refine socio-economic projections and other growth indicators in support of regional planning and assessments of the implications thereof on the transportation infrastructure. Typical tasks to be performed include, but are not limited to, the following:

- Maintain demographic and economic profiles of the region and subareas to support current programs and LRTP projects;
- Continue to monitor regional growth trends by compiling data on population, employment, housing, land use, environment, construction, economic indicators, transportation systems by appropriate units of geography, including Traffic Analysis Zone (TAZ);
- Continue to employ the travel demand model to evaluate impacts of proposed developments on the transportation network as well as the effectiveness of proposed transportation projects;
- Coordinate with member jurisdictions to ensure changes in land use development and transportation facilities are accurately reflected in the model;
- Continue to further develop capabilities of CHATS' key GIS-based planning tools- travel demand forecasting model in TransCAD and the LCRT STOPS model, and land use planning model CommunityViz in an effort to maintain efficient and effective modeling systems;
- Improve applications of the CommunityViz tool to conduct land use planning/allocation of development and continue to enhance its capabilities to generate data outputs that are usable for comprehensive planning support and compatible with the travel demand model;
- Establish, and coordinate with jurisdictions on application of, a transit oriented development framework that identifies the balance of land uses and urban design scenarios needed to ensure efficient benefits to the region's housing affordability and transportation system;
- Evaluate the average costs of transportation incurred by residents/households commuting to/from the region's employment centers and other essential services to enhance and understanding of implications the region's land use decisions on housing affordability and transportation network as planning guidance;
- Continue to refine and maintain the BCDCOGs web-based mapping tool for public use;
- Identify and facilitate relevant training and research activities for staff to provide or attend and invest in new databases, equipment, and software as needed.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Make presentations of demographic and economic growth trends: As requested
- Meet with individual jurisdictions to gather information on approved land developments: September-October 2019
- Evaluate needs and software options and procure consultant services in accord with SCDOT LPA process to expand capabilities of the BCDCOG online mapping site: September 2019
- Continue the Lowcountry Rapid Transit Corridor Transit Oriented Development and Station Area Planning Study funded by FTA: Ongoing.

Funding Sources FY2020

FHWA (PL)/FTA	\$114,118
LOCAL	\$248,530
OTHER	\$880,000
Total	\$1,242,648
% OF TOTAL PL BUDGET:	20.67%

Schedule of Products FY2021:

- Make presentations of demographic and economic growth trends: As requested
- Meet with individual jurisdictions to update data on approved land developments: January-March 2021
- Update the BCDCOG online mapping site: Ongoing
- Continue to develop the Lowcountry Rapid Transit Corridor Transit Oriented Development and Station Area Planning Study: Ongoing
- Develop and vet a Transit Oriented Development (TOD) ordinance framework for jurisdictions in the region to adopt: December 2020

Funding Sources FY2021

FHWA (PL)/FTA	\$70,000
LOCAL	\$237,500
OTHER	\$880,000
Total	\$1,187,500
% OF TOTAL PL BUDGET:	19.60%

2.2: Transportation System Surveillance

Objective: To monitor travel and development patterns in order to determine growth areas and identify potential transportation/congestion management issues and intermodal linkages.

Methodology: The BCDCOG will continue to employ available data resources for system simulations by monitoring regional traffic patterns. Typical tasks to be performed include, but are not limited to, the following:

- Catalog and assimilate data from the SCDOT statewide traffic count program with supplemental traffic counts to cover locations and/or specific studies not collected by SCDOT to support technical assistance to jurisdictions;
- Process SCDOT statewide traffic counts and develop appropriate traffic count maps and other forms of infographics for use by jurisdictions and the public;
- Assemble and process relevant data to report commuting patterns and average transportation costs to residents and households;
- Identify and attend available training on current surveillance techniques (including use of NPMRDS/probe data), congestion management, traffic analysis, and facility capacity determination to increase staff capacity;
- Invest in new databases, equipment, and software as necessary to monitor travel demand trends.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will be conducted as follows.

Schedule of Products FY2020:

- Publish 2018 Traffic Count maps and data analysis: August 2019
- Issue reports on average commuting costs for residents and households by Traffic Analysis Zones (TAZ): October-December 2019
- Identify technology available to enhance capabilities for tracking areas of congestion and safety issues: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$12,158
LOCAL	\$3,040
OTHER	\$0
Total	\$15,198
% OF TOTAL PL BUDGET:	.25%

Schedule of Products FY2021:

- Publish 2020 Traffic Count maps and data: May 2021
- Procure technology and/or consulting services to enhance capabilities for tracking areas of congestion and safety issues in accord with SCDOT LPA process: Ongoing

Funding Sources FY2021

FHWA (PL)/FTA	\$20,000
LOCAL	\$5,000
OTHER	\$0
Total	\$25,000
% OF TOTAL PL BUDGET:	0.40%

2.3: Census Cooperation

OBJECTIVE: To coordinate with the US Census Bureau and member agencies to collect and maintain data needed for transportation planning efforts.

Scope/Work: BCDCOG will continue to work with the US Census Bureau, as well as other agencies, to analyze and distribute information collected from the 2010 Decennial Census and ongoing American Community Survey program. Typical tasks to be performed include, but are not limited to, the following:

- Assist with ensuring accuracy of the upcoming 2020 census by conferring with jurisdictions to evaluate and comment on US Census on boundaries of census tracts and blocks (Participant Statistical Areas Program);
- Track past and proposed changes in data reporting parameters in Censuses to ensure data meets maximum quality standards;
- Continue to configure and use Census data to support transportation studies;
- Continue to analyze and produce Census publications, maps, and projections for use by local jurisdictions and the public;
- Update "Community Profiles" for each municipality and county in the region for publication on the BCDCOG website;
- Maintain Census data feeds to the online mapping system.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Post process, publish and disseminate Census data within 3 months of release by the US Census Bureau: Ongoing
- Update/publish Community Profiles: September 2019
- Assist with coordination between US Census Bureau and jurisdictions in preparation for the 2020 Decennial census reporting: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$20,000
LOCAL	\$5,000
OTHER	\$0
Total	\$25,000

% OF TOTAL PL BUDGET: 0.42%

Schedule of Products FY2021:

- Post process, publish and disseminate Census data within 3 months of release by the US Census Bureau: Ongoing
- Assist with coordination between US Census Bureau and jurisdictions in preparation for the 2020 Decennial census reporting: Ongoing

Funding Sources FY2021

FHWA (PL)/FTA	\$23,190
LOCAL	\$5,798
OTHER	\$0
Total	\$28,988

% OF TOTAL PL BUDGET: 0.48%

2.4: Air Quality Monitoring

OBJECTIVE: To comply with the Clean Air Act and the FAST ACT requirements for transportation planning activities and take proactive measures to remain an air quality attainment area.

Scope/Work: BCDCOG will continue to partner with the SCDHEC, the US EPA, and other agencies to increase awareness of air quality issues facing the CHATS planning area. Typical activities to be performed include, but are not limited to, the following:

- Continue regular coordination with state and local agencies in implementation of the local and statewide Early Action Plans developed in accord with the statewide Early Action Compact initiative;
- Continue to monitor current requirements of the FAST Act and EPA standards for air quality as well as impacts on the region's transportation and land use planning processes, particularly requirements that could impact the CHATS area's attainment designation;
- Ensure compliance with the MOA concerning criteria and procedures for determining the conformity of transportation plans, programs, and projects and consider impacts on air quality during the review of proposed transportation projects;
- Continue collaboration with SCDHEC to coordinate regular meetings of the region's Air Quality Coalition, including making arrangements for meetings: agenda preparation, composition and distribution of minutes;
- Collaborate with SCDHEC to conduct research and prepare documents, including an action strategy report, as needed;
- Work with SCDHEC to educate the CHATS Policy Committee, public officials, stakeholders, and citizens on strategies to positively affect air quality, including promotion of transit and alternative transportation modes; maintain incorporated strategies in the CMP, mobility management activities, and transportation policies.
- Work with partners to develop a regional model for Electric Vehicle Transportation Infrastructure and funding for implementation thereof to encourage increased use of Electric Vehicles in public and private fleets.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Agenda and minutes of Quarterly Air Quality Coalition meetings: August & November 2019, February & April 2020

Funding Sources FY2020

FHWA (PL)/FTA	\$5,000
LOCAL	\$1,250
OTHER	\$0
Total	\$6,250

% OF TOTAL PL BUDGET: 0.10%

Schedule of Products FY2021:

- Agenda and minutes of Quarterly Air Quality Coalition meetings: August and November 2020, February and April 2021

Funding Sources FY2021

FHWA (PL)/FTA	\$1,800
LOCAL	\$450
OTHER	\$0
Total	\$2,250

% OF TOTAL PL BUDGET: 0.04%

CHARLESTON AREA TRANSPORTATION STUDY (CHATS)/MPO
UNIFIED PLANNING WORK PROGRAM

FY 2020/FY2021

(July 1, 2019 – June 30, 2021)

3.0 CONGESTION MANAGEMENT

3.1 CONGESTION MANAGEMENT PROCESS

3.2 INTERMODAL MANAGEMENT EFFORT

3.3 TRANSIT SYSTEM MANAGEMENT/PLANNING

3.4 COMPLETE STREETS

3.1: Congestion Management

Objective: To examine transportation system deficiencies and determine areas of congestion (incident and recurring) throughout the urban area, which may be reduced by congestion management techniques and strategies, making more efficient use of the existing transportation system including times of emergencies.

Scope/Work: BCDCOG will continue to conduct system-wide congestion management activities to identify and promote opportunities for reducing transportation system deficiencies to manage congestion, including but not limited to, the following:

- Consult with and provide administrative support to the (standing) Congestion Management Advisory Committee to oversee implementation of the adopted Congestion Management Process (CMP), including facilitation of meetings and preparation of background information;
- Maintain the adopted CMP document based on a continuing assessment of congested corridors and monitor the effectiveness of strategies therein;
- Conduct activities to educate the region on recommendations and strategies identified in the CMP such as: intersection, transit, and traffic signal system improvements; intelligent transportation systems and incident management and motorist assistance programs; benefits of growth management and land use/urban design/context sensitive road design strategies (e.g. traffic calming and street space management); promoting transit, telecommuting, ridesharing, bicycle and pedestrian projects;
- Coordinate initiatives of the Intelligent Transportation Systems (ITS) committee, including but not limited development of a regional ITS architecture plan, that include signal prioritization and emergency signal preemption technology, as well as the purchase and implementation of signal system and software installation projects to relief congestion within the region;
- Coordinate closely with SCDOT on implementation of Transportation Demand Management recommendations in the CMP and Commuter Services Plan for I-26 and I-526, including vanpool programs and Regional Park and Ride study recommendations;
- Continue to assist with providing information and technical assistance to jurisdictions regarding access management and congestion management practices to encourage inclusion within transportation elements of their comprehensive plans;
- Coordinate with SCDOT on its analysis of the I-26 corridor for the regional movement of goods and persons;
- Initiate Project Development and National Environmental Protection Act (NEPA) analysis with the FTA's Capital Investment Grant Program (New Starts/Small Starts) for the Lowcountry Rapid Transit Project.
- Work with municipalities on development of a transit oriented development and station area planning guide.
- Continue to work towards implementation of the Regional Transit Framework Plan recommendations for a regional high-capacity transit network of Bus Rapid Transit and Express Bus Corridors.
- Continue collaboration on management and operational improvement projects (intersection, signalization, and ITS improvements), implementation of the SCDOT urban area signal system master plan and development of regional ITS plan; transit signal prioritization, emergency vehicle preemption, and electric vehicle infrastructure.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Maintain and monitor effectively of strategies in the adopted Congestion Management Plan: Ongoing
- Implement TDM initiatives recommended in the TIP for the I-526 and I-26 corridors including establishment of a vanpool program: Ongoing
- Establish baseline data for measuring performance of the TDM initiatives: September 2019
- Coordinate strategy for implementation of improvements in the CHATS area signal system master plan: Ongoing
- Coordinate development of a Regional Intelligent Transportation System Plan: December 2019
- Initiate Project Development and National Environmental Protection Act (NEPA) analysis with the FTA's Capital Investment Grant Program (New Starts/Small Starts):July 2019
- Continue activities to combine overlapping agency functions for cost efficiencies that implement the Transit Consolidation Study: Ongoing
- Implement recommendations from the regional Park and Ride Study to develop supportive facilities: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$160,000
LOCAL	\$90,000
OTHER	\$200,000
Total	\$450,000
% OF TOTAL PL BUDGET:	7.49%

Schedule of Products FY2021:

- Maintain and monitor effectively of strategies in the adopted Congestion Management Plan: Ongoing
- Implement the Commuter Service Plan - LowcountryGO and measure performance against baseline data, including coordination of a vanpool program: Ongoing
- Continue activities to combine overlapping agency functions for cost efficiencies that implement the Transit Consolidation Study: Ongoing
- Assist with Implementation of coordinated improvements in the CHATS area signal system master plan: Ongoing
- Coordinate development and implementation of a Regional Intelligent Transportation System Plan: December 2020
- Continue Project Development and NEPA Analysis under FTA's Capital Investment Grant Program
- Continue activities to combine overlapping agency functions for cost efficiencies that implement the Transit Consolidation Study: Ongoing
- Implement recommendations from the regional Park and Ride Study to develop supportive facilities: Ongoing
- Coordinate development and implementation of a regional plan for electric vehicle infrastructure: April 2021

Funding Sources FY2021

FHWA (PL)/FTA	\$10,000
LOCAL	\$52,500
OTHER	\$200,000
Total	\$262,500
% OF TOTAL PL BUDGET:	4.33%

3.2: Intermodal Management Effort

OBJECTIVE: To plan for efficient movement of people and goods through linkages between modes of transportation.

Scope/Work: As part of all planning activities, BCDCOG will continue to coordinate with air and port, trucking and rail, bicycle and pedestrian representatives to foster creation of efficient intermodal linkages to provide more balanced transportation options to all users that support healthy and livable communities and strengthen the economic vitality of the region. Efforts to improve intermodal linkages, as identified in the 2040 Long Range Transportation Plan include, but are not limited to, the following:

- Continue to provide staff support to the (standing) Freight Advisory Committee, charged with advising the CHATS Policy Committee on planning for efficient movement of goods and development of Regional Freight Plan;
- Build and foster relationships with partners within the freight/goods movement community and include such partners as part of ongoing freight planning in the region;
- Incorporate regional commodity flows and exchanges in freight logistics supply chains within the intermodal planning process;
- Identify and procure technical assistance to develop a module for freight movement in the CHATS Travel Demand Model, to account for accurate truck movements, particularly to and from the SC State Ports Authority terminals;
- Continue to support planning activities related to expansion of multimodal transportation facilities, such as the North Charleston port terminal expansion/Port Access Road, the CARTA Intermodal Center, Palmetto Railways Intermodal Container Transfer Facility, and the proposed Lowcountry Rapid Transit fixed guideway transit service;
- Continue to include truck and rail interests in congestion management activities that improve freight movement projects;
- Continue to coordinate with SCDOT on its analyses of the I-26 and I-526 corridors for the regional movement of goods;
- Conduct ongoing planning activities for non-motorized travel facilities, ensuring safe connections to alternative transportation services;
- Provide continued support to the CHATS Safety Improvements Committee to implement the regional pedestrian and bicycle plan and to monitor/address safety issues in the non-motorized transportation system;
- Expand work with partners, including local bike/pedestrian advocacy groups, to address safety issues through increased community education and encouragement activities where possible;
- Continue to coordinate with partners to incorporate necessary improvements for multimodal systems in current and future transportation projects, such as (but not limited to) the ReThink Folly Road (RFR) Complete Streets Steering Committee;
- Attend training and conferences to increase staff capacity in multimodal planning.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY 2021

Schedule of Products FY2020:

- Identify and procure consultant services to develop an enhanced freight module to the CHATS Travel Demand Model in accord with SCDOT LPA process: March 2020
- Facilitate CHATS Freight Advisory Committee meetings and integrate participation as part of Freight Management Plan Development: July 2019, November 2019 and March 2020
- Apply to participate in the "I-95 Corridor Coalition Freight Academy" program to expand staff freight planning capabilities: March 2020
- Facilitate CHATS Safety Improvements Committee meetings: October 2019, February 2020, and June 2020
- Participate in and procure safety related materials for use in safety education/encouragement events: Ongoing
- Facilitate implementation of the regional bicycle/pedestrian plan as integrated in the 2040 Long Range Transportation Plan: Ongoing
- Continue participation in support of SCDOT I-26 CMP process: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$400,000
LOCAL	\$289,000
OTHER	\$755,000
Total	\$1,444,000
% OF TOTAL PL BUDGET:	24.02%

Schedule of Products FY2021:

- Identify and procure consultant services to develop an enhanced freight module to the CHATS Travel Demand Model in accord with SCDOT LPA process: March 2021
- Facilitate CHATS Freight Advisory Committee meetings: July 2020, November 2020, and March 2021
- Facilitate CHATS Safety Improvements Committee meetings: October 2020, February 2021, and June 2021
- Participate in and procure safety related materials for use in safety education/encouragement events: Ongoing
- Facilitate implementation of the regional bicycle/pedestrian plan as integrated in the 2040 Long Range Transportation Plan: Ongoing
- Apply to participate in the "I-95 Corridor Coalition Freight Academy" program to expand staff freight planning capabilities: Spring 2021

Funding Sources FY2021

FHWA (PL)/FTA	\$45,000
LOCAL	\$200,250
OTHER	\$755,000
Total	\$1,000,250
% OF TOTAL PL BUDGET:	16.51%

3.3: Transit Service Management/Planning

Objective: To coordinate, expand, and enhance transit service in the CHATS study area and increase integration of transit in the transportation system's infrastructure.

Scope/Work: The BCDCOG will collaborate with local transit providers to implement objectives outlined in the transit component of the 2035 Long Range Transportation Plan. Typical activities to be performed include, but are not limited to, the following:

- Administer the Federal Consolidated Planning Grant and assist local providers with program administration of FTA Section 5307 funding and FTA Section 5309 Capital funding;
- Continue to administer FTA Section 5307 and 5310 formula program funds as the designated recipient by overseeing a competitive award process and provide sub recipient oversight/support throughout implementation of the awarded projects;
- Continue to collect, maintain, and update socio-economic and land use data for transit planning activities, and provide assistance with collection and/or analysis of usage data to support operational and service studies;
- Develop and assist CARTA and Tri-County Link with Performance Measures and Monitoring Program.
- Assist CARTA and Tri-County Link (BCD RTMA) with route planning and other services as needed to support efforts to expand and/or improve fixed routes, demand and paratransit service, related facilities such as park and ride lots, additional express routes, installation of technology, such as but not limited to Automatic Vehicle Locators, park and ride facilities, demand response zones, TNC partnerships, and/or agency owned vanpools and service improvements for improved access to essential services;
- Assist CARTA and Tri-County Link (BCD RTMA) with integration of various technology and Intelligent Transportation Systems (ITS) to enhance service connections between the two systems within urban portions of the region;
- Collaborate with partners to develop a regional guide/plan for Electric Vehicle infrastructure to support increasing usage of Electric Vehicles in public and private fleets throughout the region
- Employ services of the BCDCOG on-call engineer for assistance with service evaluation as needed;
- Provide project support for implementation of the Transit System Consolidation Feasibility study;
- Work with transit providers to promote the benefits and value of transit to the community, particularly underserved populations, through implementation of the region's mobility management program;
- Provide opportunities for coordination among local human service agencies providing transportation services to transportation disadvantaged populations, facilitating semi-annual meetings of regional human service providers to update and implement the adopted Human Service Transportation Coordination Plan through programs funded by FTA Section 5310 funding;
- Maintain a directory of resources for the transportation disadvantaged, particularly seniors and the disabled, to employ as part of the mobility management program and general public;
- Implement Mobility Management activities that support connectivity with public transportation for the region's transportation disadvantaged populations;
- Provide planning support toward the development of the Lowcountry Rapid Transit project and associated service improvements.

- Implement short term recommendations from the Regional Transit Framework plan for the future expansion of the public transit system;
- Work with local planning agencies to create a model development guide for transit oriented development and station areas in locations identified for transit nodes in the regional plan (OurRegion, OurPlan), Neck Area Master Plan (Partnership for Prosperity), Regional Transit Framework Plan, and Lowcountry Rapid Transit Project with support of FTA TOD grant identified in 3.1;
- Provide assistance to local jurisdictions preparing comprehensive plan updates to integrate transit service into the transportation and land use elements as outlined in the LRTP and Regional Transit Framework Plan;
- Collaborate with local jurisdictions to develop a transit system stop and shelter design manual to meet system needs and ensure consistency;
- Support CARTA and Tri-County Link with planning and implementation of transit infrastructure improvements, such as shelters, benches, signage, lighting, park and rides, etc.;
- Continue to refine the split mode module of CHATS' Travel Demand model; work with LCRT project team on development of STOPS model inputs;
- Implement recommended Transportation Demand Management (TDM) strategies and broaden services and outreach efforts of the I26/I526 Commuter Services Program to increase usage of LowcountryGO strategies by individual employers, as well as other TDM strategies outlined by the program including but not limited to vanpool programs;
- Implement Transportation Demand Management (TDM) strategies recommended in the Congestion Management Plan, including but not limited to, purchasing vehicles and operation of a vanpool program in coordination with employers in congested employment clusters;
- Attend training and conferences on transit planning best practices as available.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Administer FTA 5307 funding as the designated recipient: Ongoing
- Facilitate processing of the application for distribution of FY2020 FTA5310 funding: June 2020
- Assist CARTA and Tri-County Link with route planning, mapping and other planning needs: Ongoing
- Facilitate semi-annual meetings of human service providers: July 2019, January 2020
- Implement Regional Transit Framework Plan recommendations: Ongoing
- Implement Agency Owned Van Pool Pilot program: July 2019.
- Coordinate purchase and development of recommended park and ride facilities: Ongoing
- Continue purchase and installation of Automatic Vehicle Locators as needed: Ongoing
- Implement recommended Transportation Demand Management (TDM) strategies in the I26/I526 Corridors: Ongoing
- Purchase vehicles and operate a vanpool program: Ongoing
- Implement Demand Response Zone Pilot: June 2020.
- Coordinate development of a systemwide transit stop and shelter design manual: January 2020

Funding Sources FY2020

FHWA (PL)/FTA	\$400,000
LOCAL	\$463,080
OTHER	\$1,375,000
Total	\$2,238,080
% OF TOTAL PL BUDGET:	37.23%

Schedule of Products FY2021:

- Administer FTA 5307, 5339, and 5310 funding as the designated recipient: Ongoing
- Facilitate processing of applications for distribution of FY2021 FTA 5310 funding: June 2021
- Assist CARTA and Tri-County Link with route planning, mapping and other planning needs: Ongoing
- Facilitate semi-annual meetings of human service providers: July 2020, January 2021
- Implement Regional Transit Framework Plan Recommendations: Ongoing
- Implement Agency Owned Van Pool Pilot program: July 2020.
- Coordinate purchase and development of recommended park and ride facilities: Ongoing
- Continue purchase and installation of Automatic Vehicle Locators as needed: Ongoing
- Implement recommended Transportation Demand Management (TDM) strategies in the I26/I526 Corridors: Ongoing
- Implement Demand Response Zone Pilot: Ongoing.
- Coordinate development of a systemwide transit stop and shelter design manual: January 2021

Funding Sources FY2021

FHWA (PL)/FTA	\$250,000
LOCAL	\$425,580
OTHER	\$1,375,000
Total	\$2,050,580
% OF TOTAL PL BUDGET:	33.84%

3.4: Complete Streets

Objective: To transform transportation corridors from vehicle-dominated thoroughfares into community-oriented streets which safely and conveniently accommodate all modes of travel.

Scope/Work: BCDCOG will assist local jurisdictions and SCDOT in developing projects that are context-sensitive and meet Complete Street principles by performing activities such as, but not limited to, the following:

- Coordinate transportation project design activities with SCDOT's Advanced Project Planning Review (APPR) process and/or County transportation sales tax programs to assist with development and design review of proposed transportation facilities;
- Assist with facilitating implementation of the bicycle and pedestrian element of the LRTP, including ongoing development of the East Coast Greenway and Palmetto Trail, as well as promoting connectivity of the bicycle/pedestrian network within the region;
- Coordinate with the SC Safe Routes to School program to integrate proposed facility improvements within student travel routes;
- Continue to maintain/update the regional pedestrian and bicycle plan to ensure complete intermodal facilities are included as an integral part of the design of local roads/transportation system improvements;
- Attend and/or host staff training on latest planning techniques for complete streets and bicycle/pedestrian facilities;
- Coordinate awards of funding and implementation of complete street projects within the region.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Attend or host training/webinars on planning strategies for achieving complete streets and improved bicycle/pedestrian facilities: Ongoing
- Coordinate with local jurisdictions to identify complete street projects for implementation: Ongoing
- Work with RFR Steering Committee to implement Complete Streets on the Folly Road Corridor: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA 5303	\$3,734
LOCAL	\$934
OTHER	
Total	\$4,668
% OF TOTAL PL BUDGET:	0.08%

Schedule of Products FY2021:

- Attend and or host training/webinars on planning strategies for achieving complete streets and improved bicycle/pedestrian facilities: Ongoing
- Coordinate with local jurisdictions to identify complete street projects for implementation: Ongoing
- Work with RFR Steering Committee to implement Complete Streets on the Folly Road Corridor: Ongoing

Funding Sources FY2021

FHWA (PL)/FTA 5303	\$3,000
LOCAL	\$750
OTHER	\$0.00
Total	\$3,750
% OF TOTAL PL BUDGET:	0.08%

CHARLESTON AREA TRANSPORTATION STUDY (CHATS)/MPO
UNIFIED PLANNING WORK PROGRAM

FY 2020/FY2021

(July 1, 2019 – June 30, 2021)

- 4.0 LONG RANGE TRANSPORTATION PLANNING
 - 4.1 PLAN REVIEW AND DEVELOPMENT
 - 4.2 SIMULATION OF TRANSPORTATION SYSTEM
 - 4.3 SPECIAL STUDIES/PROJECT ANALYSIS
 - 4.4 REGIONAL LAND USE PLANNING

4.1: Plan Review and Development

Objective: To maintain the CHATS Long Range Transportation Plan (LRTP) through appropriate revisions and ongoing updates as needed, with a comprehensive update for adoption every five years.

Scope/Work: As BCDCOG implements elements of the 2040 LRTP, staff will prepare necessary revisions/amendments to the plan and maps as warranted. This project will be achieved by performing tasks such as, but not limited to, the following:

- Maintain and utilize the travel demand model to forecast future system performance and evaluate impacts of various transportation improvements, in conjunction with other analyses, including environmental screening, field review, input from member jurisdictions, stakeholders and the public, in support of a comprehensive transportation needs assessment;
 - Employ the LRTP as the guiding policy for transportation initiatives, which informs the TIP;
 - Maintain an ongoing record of plan elements that need to be addressed in the required five- year update;
 - Adopt updated elements of the LRTP as developed as part of ongoing initiatives' such as, but not limited, to the Regional Freight Plan, Safety Committee planning, and transit plans
 - Institute procedures for establishing and measuring performance planning targets and scenario planning in evaluating projects proposed for inclusion in the TIP;
 - Coordinate inclusion of goals/targets in the LRTP to meet performance measures established by SCDOT within 6 months of setting;
 - Identify alternative funding sources for unfunded CHATS projects in the LRTP, including coordination with County Transportation Sales Tax and C-Fund Programs;
 - Provide assistance, including modeling services, to the member jurisdictions in their individual transportation planning and prioritization processes;
 - Coordinate with individual jurisdictions to ensure consistency between other transportation planning efforts in the region and the adopted CHATS LRTP;
 - Continue to update the travel demand model to reflect transportation improvements planned by individual jurisdictions not funded by CHATS;
 - Attend seminars and training offered on innovative long range planning practices.
-

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021

Schedule of Products FY2020:

- Agenda, meeting minutes of the Planning Advisory Committee (CHATS Study Team): Ongoing
- Public meeting notices, minutes and materials for major project public input meetings: Ongoing
- Continue presentation and distribution of materials on the LRTP to the general public: Ongoing
- Continue review of plan and project prioritization post adoption: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$40,000
LOCAL	\$19,000
OTHER	\$25,000
Total	\$84,000
% OF TOTAL PL BUDGET:	1.40%

Schedule of Products FY2021:

- Continue review of plan and project prioritization post adoption: Ongoing
- Continue application of adopted performance measures for LRTP projects moving forward to the TIP: Ongoing
- Agenda, meeting minutes of the CHATS Study Team meetings evaluation of proposed amendments: Ongoing

Funding Sources FY2021

FHWA (PL)/FTA	\$4,000
LOCAL	\$10,000
OTHER	\$25,000
Total	\$39,000
% OF TOTAL PL BUDGET:	0.64%

4.2: Simulation of Regional Transportation System

Objective: To maintain an in-house macroscopic travel demand forecasting tool as well as microscopic traffic operations tool for the CHATS planning area that provides the capability to perform scenario planning, regional travel forecasts, and localized traffic simulation on a continual basis.

Scope/Work: BCDCOG will continue to maintain, operate and update the CHATS travel demand model and further develop its capabilities by performing tasks such as, but not limited to, the following:

- Continue to prioritize opportunities and identify costs for upgrading the current regional model with enhancements including, but not limited to, investing in development of a traffic simulation model to illustrate and evaluate traffic flow dynamics;
 - Coordinate with SCDOT to identify data formats that will inform target setting then explore opportunities and costs for improving methods for data collection and/or parameters applied to project growth;
 - Continue to use the procurement process to establish contracts with modeling consultants to assist with prioritizing and implementing recommendations per FHWA's Travel Demand Improvement Program (TMIP) Peer Review from February 2015;
 - Invest in computer equipment, software upgrades, and/or new software to enhance in-house traffic forecasting and simulation capabilities;
 - Regularly review and update information included in both macroscopic and microscopic models;
 - Provide revised versions of the models to SCDOT as needed and to member governments upon request;
 - Continue to expand modeling services to focus on subarea analysis and development scenarios, to include evaluation of congestion mitigation measures, and review of Traffic Impact Studies of individual developments submitted to member jurisdictions;
 - Continue coordination with the LCRT project to develop components consistent with the FTA STOPS model and accepted transit and nonmotorist forecasting methodologies;
 - Incorporate freight forecasting component in the model, employing best practices in data collection of existing freight and urban goods movement traffic;
 - Continue to collect up-to-date socio-economic data and extrapolate to model horizon year and beyond, particularly in areas added to the CHATS planning area based on the 2010 census;
 - Coordinate with SCDOT to review and evaluate needs and recommend system improvements to the CHATS Policy Committee;
 - Assist member jurisdictions investigating projects with transportation planning by analyzing the system as requested (see Item 4.1);
 - Attend training to stay current with modeling techniques and strategies.
-

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021 as follows.

Schedule of Products FY2020:

- Continue to address improvements recommended to the model by the FHWA expert panel in accordance with SCDOT procurement requirements: Ongoing
- Identify and procure technical assistance to incorporate a robust freight module in accordance with SCDOT LPA process: March-April 2020
- Procure micro-simulation software to develop and maintain localized traffic simulation capability in-house: August 2019
- Run localized modelling for projects based on requests: Ongoing
- Update proposed development inputs applied in the CHATS travel demand model to reflect recent development approvals: January 2020

Funding Sources FY2020

FHWA (PL)/FTA	\$59,055
LOCAL	\$27,764
OTHER	\$50,000
Total	\$136,819
% OF TOTAL PL BUDGET: 2.28%	

Schedule of Products FY2021:

- Continue to address improvements recommended to the model by the FHWA expert panel in accordance with SCDOT procurement requirements: Ongoing
- Procure micro-simulation software to develop and maintain localized traffic simulation capability in-house: August 2020
- Identify and procure technical assistance to incorporate a robust freight module in accordance with SCDOT LPA process: March-April 2021
- Update proposed development inputs applied in the CHATS travel demand model to reflect recent development approvals: January 2021
- Coordinate with SCDOT on techniques for improved data collection to facilitate performance measurements: Ongoing
- Run localized modelling for projects: Ongoing

Funding Sources FY2021

FHWA (PL)/FTA	\$60,000
LOCAL	\$28,000
OTHER	\$50,000
Total	\$138,000
% OF TOTAL PL BUDGET: 2.28%	

4.3: Special Studies/Project Analysis

Objective: To examine specific projects involving transportation issues and linkages with land use, as well as factors that affect future growth patterns, economic development, community design, and impacts on the transportation system.

Scope/Work: BCDCOG will continue to research and analyze specific planning and project proposals for design, location, and feasibility of transportation projects as needed by performing activities such as, but not limited to, the following:

- Provide staff support at meetings of any subcommittees, elected officials, or planning commissions to analyze traffic issues facing special areas or corridors and evaluate potential solutions;
- Procure consulting assistance as needed and coordinate with Berkeley County, City of Goose Creek and Town of Moncks Corner to conduct a corridor study of forecasted development and future land uses along US52;
- Conduct analyses of specific project proposals to assist in programming and funding decisions and report findings to the CHATS Policy Committee;
- Manage consultant contract and activities in development of the Regional Freight Plan;
- Conduct major investment studies focusing on sub-areas and corridors, similar to the Folly Road Corridor study or projects placing emphasis on efficient use of existing facilities through congestion management strategies as needed;
- Provide assistance to local governments within the CHATS planning area with studies of transportation projects, including land use regulations and development review as requested;
- Assemble evaluations of proposed projects, funding, traffic, transportation needs and alternatives, and land use/growth patterns as reports, presentations, or graphics;
- Utilize assistance of previously approved on-call consultants and/or other professional consulting services as needed and procured in accord with state/federal requirements;
- Conduct activities that implement the Federal Partnership for Sustainable Communities (HUD, USDOT, and EPA) initiative to advance livability especially transportation-land use planning strategies, including but not limited to a study of how capturing regional demand for affordable housing along major transit corridors can mitigate increasing congestion;
- Coordinate implementation of the Neck Area Master Plan, corridor studies, SIB applications, and the regional housing needs assessment and recommendations of the TOD study to integrate an assessment of transportation costs associated with commuting to and within the urban area;
- Coordinate with jurisdictions on implementation of projects identified in the ReThink Folly Road plan;
- Coordinate Phase II (Implementation) of the Joint Land Use Study in cooperation with Joint Base Charleston and Community Resilience/Recovery planning to ensure the community transportation systems are prepared for a disruption (natural or man-made);
- Coordinate with the Charleston Resiliency Network on a NOAA grant to assess the transportation systems resiliency.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during both FY2020 and FY2021.

Schedule of Products FY2020:

- Evaluate specific special areas or project proposals as requested to identify potential solutions: Ongoing
- Coordinate implementation of the Folly Road Corridor Complete Streets Plan to address congestion and service issues: Ongoing
- Develop implementation matrices and performance measures for recently approved special area plans: Ongoing
- Coordinate with Berkeley County, City of Goose Creek and Town of Moncks Corner in development of US52 Corridor Study: Ongoing
- Assist collaborative effort of jurisdictions to construct improvements recommended in the ReThink Folly plan: Ongoing

Funding Sources FY2020

FHWA (PL)/FTA	\$95,387
LOCAL	\$211,846
OTHER	\$750,000
Total	\$1,057,233
% OF TOTAL PL BUDGET:	17.59%

Schedule of Products FY2021:

- Evaluate specific special areas or project proposals as requested to identify potential solutions: Ongoing
- Develop implementation matrices and performance measures for recently approved special area plans: Ongoing
- Coordinate with municipalities on implementation of special area plans: Ongoing
- Participate in collaborative efforts of jurisdictions to construct improvements recommended in the ReThink Folly plan: Ongoing
- Coordinate with Berkeley County, City of Goose Creek and Town of Moncks Corner in development of US52 Corridor Study: Ongoing
- Collaborate with jurisdictions to implement recommendations of the TOD study and other special area plans to increase affordable housing along premium transit corridors: Ongoing

Funding Sources FY2021

FHWA (PL)/FTA	\$8,000
LOCAL	\$190,000
OTHER	\$750,000
Total	\$948,000
% OF TOTAL PL BUDGET:	15.64%

4.4: Regional Land Use Planning

Objective: To increase public awareness and implement the shared vision of the tri-county region in 2040, particularly focused on enhancement of identified corridors and transit related centers.

Scope/Work: The BCDCOG will continue to steward the regional land use plan, OurRegion OurPlan, the Neck Area Master Plan and other regional planning initiatives by engaging all jurisdictions in the CHATS planning area in implementation and continue to use the Vision Plans to inform updates of the LRTP and travel demand model. Activities to achieve this task include, but are not limited to, the following:

- Educate decision makers and the general public on specific implementation strategies within the regional land use plan that will enhance transportation planning and facilitate efficient movement of goods and people, including but not limited to expanded efforts/initiatives in support of affordable housing development;
- Capitalize on the collaborative process, including nontraditional partners, used to develop the plan, as a basis for stewarding implementation of the plan and strategies to link land use development and transportation planning;
- Coordinate a collaborative Regional Plan Blueprint update with all jurisdictions and the public;
- Refine integration of land use data from the Vision Plan within the travel demand model;
- Familiarize the CHATS Policy Committee and local governments with the range of tools that can be used to implement regional land use and other transportation plans especially as they relate to funding of infrastructure and regional transportation, including but not limited to the updated CommunityViz GIS extension;
- Identify and prioritize specific implementation strategies that will result in short term improvements in mobility throughout the urban area while major, long-term projects are under design and engineering;
- Purchase necessary software, software upgrades, or equipment to enhance modeling capabilities needed to incorporate data from the regional land use process;
- Participate in conferences and attend training on application of tools, land use planning and sustainable communities initiatives.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Compile agendas of meetings where the regional plan is presented and/or discussed: Ongoing
- Document discussions with individual jurisdictions on coordination of local planning policies with the regional plan policies and strategies: Ongoing
- Initiate and coordinate a collaborative evaluation and update of the adopted regional plan/blueprint: July 2019

Funding Sources FY2020

FHWA (PL)/FTA	\$6,129
LOCAL	\$1,532
OTHER	
Total	\$7,661
% OF TOTAL PL BUDGET:	.13%

Schedule of Products FY2021:

- Compile agendas of meetings where the regional plan is presented and/or discussed: Ongoing
- Document discussions with individual jurisdictions on coordination of local planning policies with the regional plan policies and strategies: Ongoing
- Initiate and coordinate a collaborative evaluation and update of the adopted regional plan/blueprint: October 2020

Funding Sources FY2021

FHWA (PL)/FTA	\$3,500
LOCAL	\$875
OTHER	
Total	\$4,375
% OF TOTAL PL BUDGET:	0..07%

CHARLESTON AREA TRANSPORTATION STUDY (CHATS)/MPO
UNIFIED PLANNING WORK PROGRAM

FY 2020/FY2021

(July 1, 2019 – June 30, 2021)

5.0 PUBLIC PARTICIPATION

5.1 PUBLIC PARTICIPATION/EDUCATION/INVOLVEMENT

5.1: Public Participation/Education/Involvement

Objective: To continue active citizen education, participation and nontraditional partner involvement in all aspects of the CHATS planning process.

Scope/Work: BCDCOG will keep citizens informed of the CHATS planning and programming process through a variety of public outreach and involvement techniques in accord with the Public Participation Plan (PPP), including the Title VI and Limited English Proficiency Plan. Activities to achieve this task include, but are not limited to, the following:

- Inform citizens of CHATS planning and programming activities through speaking engagements, traditional media, social media, the BCDCOG website, newsletter, and meetings;
- Investigate new ways to involve the general public and nontraditional partners, especially the transportation disadvantaged, in the transportation planning process;
- Seek new avenues for outreach to low-income and minority communities, including Limited English Proficiency speaking populations as well as Disadvantaged Business Enterprises;
- Present transportation documents in an easily understandable format, including graphics and other visualization techniques.
- Manage public notices of all MPO meetings to ensure wide distribution and clarity that these meetings are open to the public, advertised and media notified as specified in the CHATS PPP;
- Provide opportunity for the public to comment verbally or in writing at each meeting;
- Document attendance and public input received at all CHATS functions to assist in evaluating the effectiveness of current public involvement practices;
- Procure and purchase software and tablets to document attendance, and diversity thereof, at all CHATS public meetings;
- Annually assess the effectiveness of public involvement techniques and incorporate changes in an updated Public Participation Plan to increase the quantity and quality of public involvement;
- Maintain a file of traditional partners and interested persons to be notified of MPO events and meetings;
- Regularly report on the transportation process and planning initiatives through the BCDCOG website, social media and newsletters;
- Develop presentations and purchase any necessary graphics equipment to adequately convey information to the public;
- Maintain files, maps and plans for TIP projects in the region for public review;
- Continue an active program of citizen participation in special projects, encouraging a significant diversity of individuals and agencies to participate;
- Increase the use of technology through the purchase of software platforms to expand public engagement, implement, track and monitor success of public involvement efforts.

Responsibility: BCD Council of Governments

Work Schedule: The activities in this Task area will principally be conducted on an ongoing basis during FY2020 and FY2021.

Schedule of Products FY2020:

- Copies of agendas and meeting notices: Ongoing
- Retain files of presentations given to outside organizations: Ongoing
- Copies of meeting sign in sheets: Ongoing
- Annual report on effectiveness of various public participation techniques employed: March 2020
- Copies of BCDCOG media outreach: Ongoing
- Procure software and equipment to document and track public participation at meetings: August 2019

Funding Sources FY2020

FHWA (PL)/FTA	\$40,000
LOCAL	\$10,000
OTHER	
Total	\$50,000
% OF TOTAL PL BUDGET:	.83%

Schedule of Products FY2021:

- Copies of agendas and meeting notices: Ongoing
- Retain files of presentations given to outside organizations: Ongoing
- Copies of meeting sign in sheets: Ongoing
- Annual report on effectiveness of various public participation techniques employed: March 2021
- Copies of BCDCOG blogs and social media postings: Monthly

Funding Sources FY2021

FHWA (PL)/FTA	\$75,000
LOCAL	\$18,750
OTHER	
Total	\$93,750
% OF TOTAL PL BUDGET:	1.55%

CHARLESTON AREA TRANSPORTATION STUDY (CHATS)/MPO
UNIFIED PLANNING WORK PROGRAM

FY 2020/FY2021
(July 1, 2019 – June 30, 2021)

GLOSSARY OF TERMS

Transportation Glossary

Access/Accessibility — The opportunity to reach a given end use within a certain time frame, or without being impeded by physical, social or economic barriers.

Alternative Modes of Transportation — Forms of transportation that provide transportation alternatives to the use of single-occupant automobiles. Examples include: rail, transit, carpools, bicycles and walking.

Amendment — A major change in the approved TIP or Plan that requires public review and comment, demonstration of fiscal constraint, or a conformity determination (for 'non-exempt' projects in nonattainment and maintenance areas).

American Association of State Highway and Transportation Officials (AASHTO) — A nonprofit, nonpartisan association representing highway and transportation departments in the 50 states, the District of Columbia and Puerto Rico.

Americans with Disabilities Act (ADA) — Federal civil rights legislation for persons with disabilities, signed into law in 1990, that prohibits discrimination specifically in the areas of employment, public accommodation, public services, telecommunications and transportation. Transportation requirements include the provision of "comparable para-transit service" that is equivalent to general public fixed-route service for persons who are unable to use regular bus service due to a disability.

Arterial Street — A class of street serving major traffic movements (high-speed, high volume) for travel between major points.

Attainment Area — An area considered to have air quality that meets or exceeds the U.S. Environmental Protection Agency (EPA) health standards used in the Clean Air Act. Nonattainment areas are areas considered not to meet these standards for designated pollutants. An area may be an attainment area for one pollutant and a non-attainment area for others.

Capacity — A transportation facility's ability to accommodate a moving stream of people or vehicles in a given time period. The maximum rate of flow at which persons or vehicles can be reasonably expected to traverse a point or uniform segment of a lane or roadway during a specified time period under prevailing roadway, traffic and control conditions; usually expressed as vehicles per hour or persons per hour.

Capital Improvement Program (CIP) — A plan for future capital infrastructure and program expenditures which identifies each capital project, its anticipated start and completion and allocates existing funds and known revenue sources for a given period of time. Most local governments have a CIP.

Charleston Area Regional Transportation Authority (CARTA) - The public transit provider in the Charleston-North Charleston Urban Area.

Clean Air Act (CAA) — Federal statutes established by the United States Congress which set the nation's air quality goals and the process for achieving those goals. The original Clean Air Act was passed in 1963, but the national air pollution control program is actually based on the 1970 version of the law. The 1990 Clean Air Act Amendments are the most far-reaching revisions of the 1970 law.

Congestion — A condition under which the number of vehicles using a facility is great enough to cause reduced speeds and increased travel times.

Congestion Management Process (CMP) — Systematic process for managing congestion. Provides information on transportation system performance and finds alternative ways to alleviate congestion and enhance the mobility of people and goods, to levels that meet state and local needs.

Congestion Mitigation and Air Quality Improvement Program (CMAQ) — a categorical Federal-aid funding program created with the ISTEA which directs funding to projects that contribute to meeting National air quality standards. CMAQ funds generally may not be used for projects that result in the

construction of new capacity available to SOVs (single occupant vehicles).

Context Sensitive Solution (CSS) — A collaborative, interdisciplinary approach that involves all stakeholders to develop a transportation facility that fits its physical setting and preserves scenic, aesthetic, historic and environmental resources, while maintaining safety and mobility. CSS is an approach that considers the total context within which a transportation improvement project will exist.

Design Standards — Standards that are met when a new road is constructed, or when a deficient section is improved. These standards pertain to all relevant geometric and structural features required to provide a desired level of service over the life of the project. The life of the project is generally 20 years beyond its implementation.

Environmental Assessments (EA) — Prepared for federal actions under the National Environmental Policy Act (NEPA) where it is not clearly known how significant the environmental impact might be. If, after preparing an environmental assessment, it is determined that the project impact is significant, an Environmental Impact Statement (EIS) is then prepared. If not, a "finding of no significant impact" (FONSI) is documented.

Environmental Impact Statements (EIS) — Prepared for federal actions that have a significant effect on the human and natural environment. These are disclosure documents prepared under the National Environmental Policy Act (NEPA) that provide a full description of the proposed project, the existing environment and analysis of the anticipated beneficial and adverse environmental effects of all reasonable alternatives. There are various stages — Draft EIS and Final EIS.

Environmental Justice (EJ) — Environmental justice assures that services and benefits allow for meaningful participation and are fairly distributed to avoid discrimination.

Environmental Protection Agency (EPA) — The federal regulatory agency responsible for administering and enforcing federal environmental laws, including the Clean Air Act, the Clean Water Act, the Endangered Species Act and others. EPA is the source agency of air quality control regulations affecting transportation.

FAST ACT- The (Pub. L. No. 114-94), signed into law on December 4, 2015 to provide long-term funding certainty for surface transportation infrastructure planning and investment. The FAST Act authorizes \$305 billion over fiscal years 2016 through 2020 for highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology, and statistics programs. The FAST Act maintains the focus on safety, keeps intact the established structure of the various highway-related programs we manage, continues efforts to streamline project delivery and provides a dedicated source of federal dollars for freight projects. With the enactment of the FAST Act, states and local governments are moving forward with critical transportation projects.

Federal Highway Administration (FHWA) — A branch of the U.S. Department of Transportation that administers the federal-aid Highway Program, providing financial assistance to states to construct and improve highways, urban and rural roads and bridges. The FHWA also administers the Federal Lands Highway Program, including survey, design and construction of forest highway system roads, parkways and park roads, Indian reservation roads, defense access roads and other Federal lands roads.

Federal Transit Administration (FTA) — A branch of the U.S. Department of Transportation that is the principal source of federal financial assistance to America's communities for planning, development and improvement of public or mass transportation systems. FTA provides leadership, technical assistance and financial resources for safe, technologically advanced public transportation to enhance mobility and accessibility, to improve the nation's communities and natural environment and to strengthen the national economy.

Financial Planning — The process of defining and evaluating funding sources, sharing information and deciding how to allocate the funds.

Financial Programming — A short-term commitment of funds to specific projects identified in the regional Transportation Improvement Program (see TIP).

Fiscal or Financial Constraint — Making sure that a given program or project can reasonably expect to receive funding within the time allotted for its implementation.

Geographic Information System (GIS) — Computerized data management system designed to capture, store, retrieve, analyze and display geographically referenced information.

High-Occupancy Vehicle (HOV) — Vehicles carrying two or more people. The number that constitutes an HOV for the purposes of HOV highway lanes may be designated differently by different transportation agencies.

Intelligent Transportation Systems (ITS) — the application of advanced technologies to improve the efficiency and safety of transportation systems.

Intermodal — The ability to connect and the connections between modes of transportation.

Level of Service (LOS) — a qualitative rating of how well a unit of transportation supply (e.g. street, intersection, bikeway, etc.) serves its current or projected demand. LOS A = free-flow condition (32 percent of capacity); B = reasonably free-flow conditions (51 percent); C = operation stable but becoming more critical (75 percent); D = lower speed range of stable flow (92 percent); E = unstable flow (100 percent); F = forced flow; >100 percent of capacity, stop-and-go operation.

Long Range Transportation Plan (LRTP) — A document resulting from regional or statewide collaboration and consensus on a region or state's transportation system and serving as the defining vision for the regions or state's transportation systems and services. In metropolitan areas, the plan indicates all of

the transportation improvements scheduled for funding over a minimum of the next 20 years.

Maintenance Area — Maintenance area is any geographic region of the United States previously designated non-attainment pursuant to the CAA Amendments of 1990 and subsequently re-designated to attainment subject to the requirement to develop a maintenance plan under section 175A of the CAA, as amended.

Metropolitan Planning Organization (MPO) — A planning agency established by federal law to assure a continuing, cooperative and comprehensive transportation planning process takes place that results in the development of plans, programs and projects that consider all transportation modes and supports the goals of the community. Any urbanized area or contiguous urbanized areas, as defined by the U.S. Census Bureau, containing a population of greater than 50,000 are required to have an MPO.

Mode, Intermodal, Multimodal — Form of transportation, such as automobile, transit, bicycle and walking. Intermodal refers to the connections between modes and multimodal refers to the availability of transportation options within a system or corridor.

National Environmental Policy Act of 1969 (NEPA) — An established national environmental policy requiring that any project using federal funding or requiring federal approval, including transportation projects, examine the effects of proposed and alternative choices on the environment before a federal decision is made.

National Historic Preservation Act (NHPA) — Law requiring federal agencies to consider the potential effect of a project on a property that is registered on or eligible for the National Register of Historic Places, and for federal and state agencies and the public to identify means to mitigate harm if effects are identified.

Non-attainment — Any geographic area that has not met the requirements for clean air as set out in the Clean Air Act of 1990. An area can at the same time be classified as in attainment for one or more air pollutants and as a non-attainment area for another air pollutant.

Para-transit — Alternative known as "special or specialized" transportation, which often includes flexibly scheduled and routed transportation services. These services use low capacity vehicles such as vans to operate within normal urban transit corridors or rural areas. Services usually cater to the needs of persons whom standard mass transit services would serve with difficulty, or not at all. Common patrons are the elderly and persons with disabilities.

Planning Funds (PL) — Primary source of funding for metropolitan planning designated by the FHWA.

Revision - A change to a long range statewide or metropolitan transportation plan, TIP, or STIP that occurs between scheduled periodic updates. A major revision is an "amendment," while a minor revision is an "administrative modification."

Right-of-Way (ROW) — Public space legally established for the use of pedestrians, vehicles or utilities. Right-of-way typically includes the street, sidewalk and buffer strip areas.

Rural Planning Organization (RPO) — An organization similar to an MPO, composed of representatives of rural local governments and appointed representatives from the geographic area covered by the organization with the purpose of involving local officials in multi-modal transportation planning through a structured process.

Stakeholders — Individuals and organizations involved in or affected by the transportation planning process. Include federal/state/local officials, MPOs, transit operators, freight companies, shippers, and the general public.

Surface Transportation Program (STP) — Federal-aid highway funding program that funds a broad range of surface

transportation capital needs, including many roads, transit, sea and airport access, vanpool, bike and pedestrian facilities.

South Carolina Department of Transportation (SCDOT) — The State agency that manages the highway system within South Carolina. SCDOT's mission is to plan, implement, maintain and manage an integrated transportation system for the movement of people and products, with emphasis on quality, safety, efficiency and the environment for citizens. SCDOT is the administrative agency that responds to policy set by the South Carolina Legislature.

Title VI — Title VI of the Civil Rights Act of 1964. The legislation prohibits discrimination in any program receiving federal assistance.

Transportation Conformity — Process to assess the compliance of any transportation plan, program, or project with air quality implementation plans. The conformity process is defined by the Clean Air Act.

Transportation Demand Management (TDM) — "Demand-based" techniques that are designed to change travel behavior in order to improve the performance of transportation facilities and to reduce the need for additional road capacity. Methods include the use of alternative modes, ride-sharing and vanpool programs and trip-reduction programs and/or ordinances.

Transportation Improvement Program (TIP) — A staged, multiyear (typically three to five years) listing of surface transportation projects proposed for federal, state and local funding within a metropolitan area. MPOs are required to prepare a TIP as a short-range programming document to complement its long-range transportation plan. The TIP contains projects with committed funds over a multiyear period (five years).

Transportation Management Area (TMA) — All urbanized areas over 200,000 in population and any other area that requests such designation. The MPO is responsible for transportation planning with a TMA.

Transportation Planning —A collaborative process of examining demographic characteristics and travel patterns for a given area. This process shows how these characteristics will change over a given period of time and evaluates alternatives for the transportation system of the area and the most expeditious use of local, state and federal transportation funding. Long-range planning is typically done over a period of 25 years; short-range programming of specific projects usually covers a period of 3 to 5 years.

Unified Planning Work Program (UPWP) —The management plan for the (metropolitan) planning program. Its purpose is to coordinate the planning activities of all participants in the planning process.

Update - Making current a long range transportation plan or TIP, through a comprehensive review. Updates require public review and comment, a 20-year horizon year for metropolitan transportation plans, a four-year program period for TIPs, demonstration of fiscal constraint (except for long-range statewide transportation plans), and a conformity determination (for metropolitan transportation plans and TIPs in nonattainment and air quality maintenance areas)

Urbanized Area — Area that contains a city of 50,000 or more population plus incorporated surrounding areas meeting size or density criteria as defined by the U.S. Census.

Vehicle Miles of Travel (VMT) — The sum of distances traveled by all motor vehicles in a specified region.

FY21 Project Timelines** CHATS Unified Planning Work Program																
Task	Ongoing from FY2020	July-20	August	September	October	November	December	Jan-21	February	March	April	May	June	Estimated Completion	Tracking Schedule	
1.1 CHATS Administration		Policy Committee Meeting	X	X	Policy Committee Meeting	X	X	Policy Committee Meeting Annual list of Obligated Projects	X	Prepare FY22/23 UPWP update	Policy Committee Meeting Adoption FY22/23 UPWP Update	X	X	Continuous Annual list of obligated projects: January 2021	PL Quarterly Report	
1.2 TIP Development and Maintenance	Complete FY2021-2022 TIP in October													Continuous Annual Status Reports to Policy Committee	PL Quarterly Report	
1.3 Transportation Alternatives Program		X	X			Evaluate program; submit for the upcoming funding request		Annual Status Report				X	X	Continuous Initiate and conduct process for next round of project funding Annual Progress Report: January 2020	PL Quarterly Report	
1.4 Technical Assistance		X	X			Orientation Training Session	X	X				Orientation Training Session	X	Continuous Prepare Comp Plan Transportation elements as requested Facilitate Planning/Zoning Training Semi-annually	PL Quarterly Report	
2.1 Land Use/Socio-Economic Data Collection/Projections		X	X				X	Meet with jurisdictions to update development projections					X	Presentations on request Prepare model TOD guidelines and ordinance: Ongoing Meet with jurisdictions to update development projections: January-March 2021	PL Quarterly Report	
2.2 System Surveillance		X	X					X				Updated Traffic Count Maps	X	Continuous Prepare and deliver Traffic Count Maps: May 2021	PL Quarterly Report	
2.3 Census Cooperation		X	Public updated community profiles					X				X	X	Continuous Publish updated community profiles for all three counties: September 2020	PL Quarterly Report	
2.4 Air Quality Monitoring		X	Quarterly meeting			Quarterly meeting		X	Quarterly meeting			Quarterly meeting	X	Continuous Quarterly meetings coordinated with DHEC	PL Quarterly Report	
3.1 Congestion/Travel Demand Management	Implement I-205/276 TDM strategies as outlined in work plan; establish schedule for monitoring and measure against baseline data														Continuous (pending renewed funding)	PL Quarterly Report
- BRT Project Development	Coordinate public consultation on route from TSDA and present to jurisdictions to study: South Tronzo														Continue LCRT NEPA process	PL Quarterly Reports Technical Memos
- Comprehensive Review of Congestion Management Plan	Monitor and track effectiveness of strategies in CMAP														Ongoing with LRTP update	PL Quarterly Report, Technical Memo
- Transit Enhancements	X	X					X	X		X	X	X	X	Ongoing coordination with stakeholders to implement recommended Park and Ride improvements Ongoing coordination to implement transit system consolidation	PL Quarterly Reports Documentation of Board actions	
- Regional ITS Plan Development	Prepare Regional ITS Plan														Ongoing coordination with stakeholders to develop plan for ITS improvements	PL Quarterly Reports Documentation of Board actions
3.2 Intermodal Management	X	X					X	X		X	X	X	X	Continuous	PL Quarterly Report	
- Enhance capacity of CHATS travel demand model	X	X					X	X		Evaluate options; methodology for developing an advanced freight modeling module		X	X	Continuous Evaluate methodology to enhance freight modeling module: April 2020	PL Quarterly Report	
- Coordinate on development of regional Freight Mobility Plan	Coordinate with jurisdictions on development of regional freight plan														Adoption of regional freight mobility plan: January 2021	PL Quarterly Report, Draft document
- Regional Bike/Pedestrian Plan Update	Coordinate with Safety and Pedestrian Council on implementation of regional bicycle and pedestrian plan														Ongoing	PL Quarterly Report
- I-26 Corridor Analysis	Support SCDOT's development of I-26 corridor CMAP														Ongoing	PL Quarterly Report
3.3 Transit Service Management/Planning	X	X					X	X		X	X	X	X	Continuous	PL Quarterly Report	
- Administer/Support FTA funding recipients	Process FFY20 5310 Funding Allocation in TRAG; Facilitate application process for FFY21 funding				Prepare or refresh agreements with FFY21 applicants								X	Ongoing	PL Quarterly Report, Study document	
- Coordinate with regional Human Service Providers		Semi-annual meeting	X				X	Inter-annual meeting				X	X	Ongoing with semi-annual meetings	PL Quarterly Reports	
- Coordinate implementation of Regional Transit Framework Plan	X	X					X	X		X	X	X	X	Implementation Ongoing	PL Quarterly Reports	
- Coordinate development of Systemwide Transit Stop and Shelter Design Manual	Coordinate with design consultants on development of Transit Stop and Shelter manual														Adoption of Transit Stop and Shelter Design Manual: January 2021	PL Quarterly Reports
- Coordinate development and implementation of recommended park and ride facilities	X	X					X	X		X	X	X	X	Ongoing	PL Quarterly Reports	
3.4 Complete Streets	X	X					X	X		X	X	X	X	Continuous	PL Quarterly Reports	
4.1 Plan Review and Development			X				X	X		X	X	X	X	Continuous Review and monitoring data for performance measures	PL Quarterly Reports	
4.2 Simulation/Network Modeling of Transportation System		Evaluate options; prepare software to develop updated travel demand model					X	Input updated development approvals into the CHATS travel demand model		Evaluate options; methodology for developing an advanced freight modeling module		X	X	Continuous Establish micro-simulation modeling capabilities: August 2020 Input information on new development approvals to update travel demand model: January 2021 Identify freight module needs: April 2021	PL Quarterly Report	
4.3 Special Studies (Implementation)	X	X	X	X	X	X	X	X	X	X	X	X	X	Continuous	PL Quarterly Report, Published Plan	
- Coordinate development of US 52 Corridor Management Plan	Contract and coordinate with selected consultants on developing US52 Corridor Management Plan														Facilitate public process to develop Corridor Management Plan	PL Quarterly Reports
4.4 Outreach and implementation of Regional Plan, Neck Area Master Plan, JLUS, Riverland Drive and Folly Road Corridor plans		Initiate update of adopted regional plan (ORP)	X	X	X	X	X	X	X	X	X	X	X	Continuous Initiate assessment/update of Regional Plan: July 2020	PL Quarterly Reports	
5.1 Information to Public (Presentations/Education)	X	X	X	X	X	X	X	X	X	X	X	X	X	Continuous	PL Quarterly Reports	

**This is a depiction of milestones and benchmarks that may or may not be attained. Other tasks and routine activities, for which specific deadlines may not be reasonably anticipated, are expected and continuous. This list is in no way comprehensive as additional projects may evolve.

CHATS Unified Planning Work Program
Fiscal Year 2020 Funding Sources Table

TASK CODE	TASK DESCRIPTION	Consolidated Planning Grant			ADDITIONAL FUNDS					TASK FUNDING SUMMARY			
		Transit / Highway			Local	SCDOT	FHWA	FTA	SCDOT	LOCAL	STATE	FEDERAL	TOTAL
		20%	20%	80%	20%	20%	80%	80%	100%				
Section 1	Program Administration	\$ 69,996	\$ -	\$ 279,985	\$0	\$0	\$0			\$ 69,996	\$ -	\$ 279,985	\$ 349,981
1.1	Admin. & Program Management	38,397		153,587						38,397	-	153,587	191,984
1.2	TIP Development	5,000		20,000						5,000	-	20,000	25,000
1.3	Transportation Alternatives Program	1,599		6,398						1,599	-	6,398	7,997
1.4	Technical Assistance	25,000		100,000						25,000	-	100,000	125,000
Section 2	Surveillance / Data Collection	\$ 37,820	\$ -	\$ 151,276						\$ 37,820	\$ -	\$ 151,276	\$ 189,096
2.1	Land Use / Socioeconomic Data	28,530		114,118	\$220,000			\$880,000		248,530	-	994,118	1,242,648
2.2	Transportation System Surveillance	3,040		12,158						3,040	-	12,158	15,198
2.3	Census Cooperation	5,000		20,000						5,000	-	20,000	25,000
2.4	Air Quality Monitoring	1,250		5,000						1,250	-	5,000	6,250
Section 3	Congestion Management	\$240,934	\$0	\$963,734	\$602,080	\$0	\$2,330,000	\$0		\$843,014	\$0	\$3,293,734	\$ 4,136,748
3.1	Congestion Management Process	40,000		160,000	\$50,000	-	200,000			90,000	\$0	360,000	450,000
3.2	Intermodal Management	100,000		400,000	\$189,000		755,000			289,000	\$0	1,155,000	1,444,000
3.3	Public Transit Management / Planning	100,000		400,000	\$363,080		\$1,375,000			463,080	\$0	1,775,000	2,238,080
3.4	Complete Streets	934		3,734						934	\$0	3,734	4,668
Section 4	Long Range Transportation Planning	\$50,142	\$0	\$200,571	\$210,000	\$0	\$825,000	\$0		\$260,142	\$0	\$1,025,571	\$1,285,713
4.1	Plan Review & Development	10,000		40,000	\$9,000	-	25,000			19,000	\$0	65,000	84,000
4.2	Simulation of Transportation System	14,764		59,055	\$13,000		50,000			27,764	\$0	109,055	136,819
4.3	Special Studies / Project Analysis	23,846		95,387	\$188,000		750,000			211,846	\$0	845,387	1,057,233
4.4	Regional Land Use Plan	1,532		6,129						1,532	\$0	6,129	7,661
Section 5	Public Participation	\$10,000	\$0	\$40,000						\$10,000	\$0	\$40,000	\$ 50,000
5.1	Public Participation/Education/Involvement	10,000		40,000						10,000	\$0	40,000	50,000
	Management & Operations												
TOTALS		\$408,892	\$0	\$1,635,566	\$812,080	\$0	\$3,155,000	\$0		\$1,220,972	\$0	\$4,790,566	\$6,011,538

CHATS Unified Planning Work Program

Fiscal Year 2021 Funding Sources Table

TASK CODE	TASK DESCRIPTION	Consolidated Planning Grant			ADDITIONAL FUNDS					TASK FUNDING SUMMARY			
		Transit / Highway			Local	SCDOT	FHWA	FTA	SCDOT	LOCAL	STATE	FEDERAL	TOTAL
		Local	SCDOT	FHWA									
Section 1	Program Administration	\$ 55,250	\$ -	\$ 221,000	\$0	\$0	\$0			\$ 55,250	\$ -	\$ 221,000	\$ 276,250
1.1	Admin. & Program Management	25,000		100,000						25,000	-	100,000	125,000
1.2	TIP Development	3,500		14,000						3,500	-	14,000	17,500
1.3	Transportation Alternatives Program	3,000		12,000						3,000	-	12,000	15,000
1.4	Technical Assistance	23,750		95,000						23,750	-	95,000	118,750
Section 2	Surveillance / Data Collection	\$ 28,748	\$ -	\$ 114,990	\$220,000			\$880,000		\$ 248,748	\$ -	\$ 994,990	\$ 1,243,738
2.1	Land Use / Socioeconomic Data	17,500		70,000	\$220,000			\$880,000		237,500	-	950,000	1,187,500
2.2	Transportation System Surveillance	5,000		20,000						5,000	-	20,000	25,000
2.3	Census Cooperation	5,798		23,190						5,798	-	23,190	28,988
2.4	Air Quality Monitoring	450		1,800						450	-	1,800	2,250
Section 3	Congestion Management	\$77,000	\$0	\$308,000	\$602,080	\$0	\$2,330,000	\$0		\$679,080	\$0	\$2,638,000	\$ 3,317,080
3.1	Congestion Management Process	2,500		10,000	\$50,000	-	200,000			52,500	\$0	210,000	262,500
3.2	Intermodal Management	11,250		45,000	\$189,000		755,000			200,250	\$0	800,000	1,000,250
3.3	Public Transit Management / Planning	62,500		250,000	\$363,080		\$1,375,000			425,580	\$0	1,625,000	2,050,580
3.4	Complete Streets	750		3,000						750	\$0	3,000	3,750
Section 4	Long Range Transportation Planning	\$18,875	\$0	\$75,500	\$210,000	\$0	\$825,000		\$0	\$228,875	\$0	\$900,500	\$1,129,375
4.1	Plan Review & Development	1,000		4,000	\$9,000	-	25,000			10,000	\$0	29,000	39,000
4.2	Simulation of Transportation System	15,000		60,000	\$13,000		50,000			28,000	\$0	110,000	138,000
4.3	Special Studies / Project Analysis	2,000		8,000	\$188,000		750,000			190,000	\$0	758,000	948,000
4.4	Regional Land Use Plan	875		3,500						875	\$0	3,500	4,375
Section 5	Public Participation	\$18,750	\$0	\$75,000						\$18,750	\$0	\$75,000	\$ 93,750
5.1	Public Participation/Education/Involvement	18,750		75,000						18,750	\$0	75,000	93,750
	Management & Operations												
TOTALS		\$198,623	\$0	\$794,490	\$1,032,080	\$0	\$3,155,000	\$880,000		\$1,230,703	\$0	\$4,829,490	\$6,060,193