

# Greenville-Pickens Area Transportation Study (GPATS)

## Unified Planning Work Program Fiscal Year 2012



**AS APPROVED BY GPATS POLICY COMMITTEE, JUNE 20, 2011**

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



# TABLE OF CONTENTS

## I. PREFACE

Status of Current Planning Activities ..... 4  
Planning Priorities ..... 6

## II. INTRODUCTION

Organization and Planning Structure .....8  
Unified Planning Work Program Development .....12  
GPATS Study Area Map .....13

## III. PROGRAM ADMINISTRATION

### Task 101 Study Coordination

Sub-element 101.1 Fiscal Management and MPO Administration .....15

### Task 102 Unified Planning Work Program

Sub-element 102.1 UPWP Development and Committee/Public Involvement .....16

### Task 103 Staff Education

Sub-element 103.1 Continued Education and Technical Training .....17

### Task 104 Computer System Acquisition

Sub-element 104.1 Maintenance of Computer and Transportation Software .....18

## IV. PUBLIC INVOLVEMENT PROCESS

### Task 201 Public Involvement Program

Sub-element 201.1 Participation Plan and Community Outreach .....20

## V. SYSTEMS MANAGEMENT AND COORDINATION

### Task 301 Transportation Systems Management

Sub-element 301.1 Systems Performance and Safety Planning .....22

### Task 302 Short Range Planning

Sub-element 302.1 Transportation Data Collection and Community Planning .....23

### Task 303 Multimodal Planning

Sub-element 303.1 Transit Planning and Multimodal Coordination .....24

# TABLE OF CONTENTS

## VI. TRANSPORTATION PLANS AND STUDIES

### Task 401 Transportation Improvement Program

Sub-element 401.1 Project Development and Program Administration ..... 26

### Task 402 Long Range Planning

Sub-element 402.1 Long Range Plan Development & Travel Demand Modeling .....27

### Task 403 Special Transportation Studies

Sub-element 403.2 Swamp Rabbit Trail Evaluation and Survey .....28

Sub-element 403.3 Connections for Sustainability: Linking Greenville’s Neighborhoods to Jobs and Open Space .....29

## VII. APPENDIX A

GPATS UPWP Funding Summary .....30

GPATS UPWP Work Schedule .....31

Matrix of SAFETEA-LU Planning Factors and UPWP Work Elements .....32

Annual Planning Certification .....33

## VIII. APPENDIX B

Procurement and Planning Study Requirements .....34

## IX. LIST OF FIGURES

Figure 1: Planning Structure .....9

Figure 2: GPATS Study Area .....13

## X. LIST OF TABLES

Table 1: GPATS Study Team Members .....10

Table 2: GPATS Policy Coordinating Committee Members .....11

## PREFACE

This Unified Planning Work Program (UPWP) identifies the transportation planning activities being conducted by the Greenville-Pickens Area Transportation Study (GPATS) Metropolitan Planning Organization (MPO), which serves the Greenville-Pickens Urbanized Area in South Carolina. The planning activities outlined in the UPWP are to be completed during FY 2012 beginning July 1, 2011, and ending June 30, 2012.

Greenville County Planning Department, which provides staff support for GPATS, has prepared this document, in consultation with the South Carolina Department of Transportation, Federal Highway Administration, and other agencies involved in transportation planning and implementation. This document is also intended to comply with the Title VI requirements contained in the Federal Regulations for the development of plans and programs. The MPO Self Certification Statement is attached in Appendix A.

Additional information about GPATS planning activities is available at our website:

[http://www.greenvilleplanning.com/transportation\\_planning/index.html](http://www.greenvilleplanning.com/transportation_planning/index.html) or by contacting GPATS staff at the Greenville County Planning Department at (864) 467-7270.

### STATUS OF CURRENT PLANNING ACTIVITIES

GPATS' planning efforts in FY 2011 were focused on the implementation of the Greenville County Comprehensive Plan "Imagine Greenville County: Tomorrow's Vision Today" and integration with various municipal plans carried out through PL funds. During the year, staff worked with the planning department planners to assist with land-use and transportation compatibility and review of future socio-economic forecasts to assist in creating a future land-use map that accommodates the corridors and centers to create context sensitive design.

Extensive staff time was devoted to public involvement activities, including public workshops and presentations, newsletters, formalizing a Citizens Advisory Committee, and presenting planning information to elected officials and the GPATS Policy Coordinating Committee and Study Team.

The staff has been coordinating with the Greenville Transit Authority (d.b.a Greenlink) to ensure planning support and assistance in the development of the Transit Vision and Master Plan and other planning activities carried out by GTA to assist in improving transit operations. Staff serves on the Greenville Transit Authorities (GTA) Transit Development Committee and attends GTA monthly Board meetings.

## PREFACE

The staff has been assisting the cities of Mauldin, Fountain Inn, and Travelers Rest with their respective Main Street Improvement Plans and other transportation enhancement grants. Staff assisted with transportation needs for a variety of small-area plans and other project. The planning department assisted in developing a Traffic and Land-Use Study for the South Carolina Technology and Aviation Center (formerly Donaldson Airbase) to determine transportation needs, safety, access management and economic development. This area (along with the Berea and Conestee-Verdae communities) is designated a Priority Investment Area in the Imagine Greenville County Comprehensive Plan. Staff has been involved in the Sterling Master Plan, which was initiated through Bon Secours St. Francis Hospital System and community leaders. The Greenville County Redevelopment Authority has requested county planning staff assistance with a Judson Community Plan. Other corridor plans that have been initiated include: Haywood Road; Stone Avenue; Augusta Road and SC 153 in the Powdersville community.

The City of Easley has completed a feasibility study to develop a greenway along Brushy Creek. The Greenville County Economic Development Corporation finalized the Rail Corridor Alternatives Feasibility Study, and the City of Fountain Inn has begun a Phase II Downtown Main Street Retail Trade Study and Corridor Design Plan, which will complement the conceptual plans completed in Phase I.

Depot Street will be improved through Transportation Enhancement funding to provide sidewalks and landscaping (along with other streetscape features that will complement the Downtown Master Plan to accommodate pedestrian mobility and traffic flow. The City of Fountain Inn has also developed the Woodside Mill historic survey & SC 418 Corridor Plan. The City of Greenville is completing a Bicycle Master Plan that will be integrated with the GPATS Long Range Transportation Plan update. These studies were accommodated through PL Funds and matching funds provided by the appropriate city or county government. Procurement processes are detailed in Appendix B.

Greenville, Spartanburg, and Anderson counties were designated an Air Quality Nonattainment area for ground-level ozone in 2004, but the designation was deferred under the provisions of an Early Action Compact among US EPA, SC DHEC, and each county. Monitoring data for 2007 showed compliance with all standards, and GPATS was designated as “in attainment.” The EPA is expected to release its revised National Ambient Air Quality Standards (NAAQS) by July 31, 2011. The new standard for ozone is expected to be more stringent and may place part or all of Greenville County in what is known as a “Nonattainment Area.” A Nonattainment Area is a locality where air pollution levels persistently exceed the national standards. This designation would lead to new methods of evaluating potential transportation projects and would greatly limit certain types of projects such as widening of roads. GPATS staff attended transportation conformity training in Columbia in December 2010 to begin preparing for the changes that will result if Greenville County is designated Nonattainment.

## PREFACE

The County also continued to implement the area's air quality strategies by hosting a well-attended lawn mower exchange and compost bin sale in early 2010. During the summer, GCPD and the County Administrator's office held a Diesel Emissions Reduction Act (DERA) seminar in Greenville. The conference attracted dozens of people from both private and public sectors and from all around the Upstate. As part of the anti-idling clean air campaign, Greenville County implemented several more B<sup>2</sup> (Breathe Better) programs at area schools. Additionally, the County partnered with five special purpose districts to install pollution control systems on 50 diesel trucks, funded through the DERA program.

In 2011, the County will continue the "Spare the Air" Air Quality Campaign with several public events planned, including another lawn mower exchange. Planning staff continued to serve as the coordinator for this beautification group. KGCB (Keep Greenville County Beautiful) is a part of the Keep America Beautiful network and focuses on the goals of litter prevention, recycling, and community greening. The group recently won the William Nash Award from Keep America Beautiful. The award is given to one affiliate each year for outstanding achievement in implementing goals.

### PLANNING PRIORITIES FOR THE COMING YEAR

- Collaborate with municipalities and County of Greenville with regard to implementation and coordination of land-use planning and transportation project development;
- Work cooperatively with regional entities such as Ten At The Top; Upstate Forever; Greenville Spinners; LiveWell Greenville and other partners;
- Work cooperatively with Greenlink in the development of the Transit Vision and Master Plan and Rail Corridor Alternatives and Feasibility Study and provide technical assistance with operational planning needs. Continue implementing recommendations (e.g. bus rapid transit, finance strategies, etc.) from the most recent LRTP;
- Coordinate planning activities that will be necessary for conformity analysis through the travel demand model and prepare demographic Census and TAZ attribute data;
- Examine the GPATS Public Participation Plan and techniques to improve the feedback process and promote early engagement with Environmental Justice Communities and other segments of our population;
- Work closely with the local units of governments with respect to safety and transportation needs related to local planning efforts.

# INTRODUCTION

In 1964, the Greenville County Planning Commission was designated as the Metropolitan Planning Organization (MPO) and the county, city and state created the Greenville Area Transportation Study (GRATS) to comply with the Federal Highway Act of 1962. This act mandated that all communities with more than 50,000 residents perform transportation planning activities for the entire urbanized area. The legislation ensures there is a “continuing, cooperative and comprehensive” (known as “3-C”) planning process involving federal, state and local agencies, as well as citizens and other affected stakeholders.

As a result of the population growth patterns identified in the 2000 Census, the MPO was expanded to include portions of Pickens County (Easley, Liberty and the town of Pickens) and the name was changed to the Greenville-Pickens Area Transportation Study (GPATS).

The MPO is composed of three committees: Policy Committee; Study Team/Technical Committee; and Citizens Advisory Committee. The planning structure is displayed in Figure 1. The MPO is a framework from which transportation planning and decision making processes are developed. In 2007 the process involved collaboration among various governmental agencies and units of government and resulted in a consensus regarding the Long Range Transportation Plan (LRTP) for the urbanized area. Figure 2 displays a map of the Greenville-Pickens Area Transportation Study Urbanized Area.

The Unified Planning Work Program (UPWP) lists the planning activities for the coming year and provides fiscal information regarding how the funds will be spent as well as staff responsibility, goals and objectives. The planning funds are appropriated under the enactment of the Safe, Accountable, Flexible, and Efficient Transportation Equity Act: a Legacy for Users (SAFETEA-LU; Public Law 109-59). Under SAFETEA-LU eight (8) planning factors are to be considered by the MPO when developing transportation plans and programs. These are:

- Support the economic vitality of the metropolitan area, especially enabling global competitiveness, productivity, and efficiency;
- Increase safety of the transportation system for motorized and non-motorized users;
- Increase the security of the transportation system for motorized and non-motorized users;
- Increase the accessibility and mobility options available to people and for freight;
- Protect and enhance the environment, promote energy conservation, and improve quality of life;
- Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
- Promote efficient system management and operation; and
- Emphasize the preservation of the existing transportation system.

## INTRODUCTION

Furthermore we will emphasize the following areas in response to the recent stimulus legislation under the American Recovery and Reinvestment Act, which are applicable with respect to the MPO's activities linking planning to:

- Operations
- Safety
- Environment
- Climate Change

The reauthorization legislation is being crafted in Congress and is funded under a continuing resolution. The economy and our global competitiveness will require a well-articulated bill that will provide adequate financial mechanisms fostering public/private partnerships, economic development, environmental sensitivity reducing oil consumption and related emissions (related to climate and health issues), as well as further integration of transportation – land-use planning that encourages multi-modal options and overall quality of life needs to meet the socioeconomic dynamics of our urban and rural communities.

## ORGANIZATION AND PLANNING STRUCTURE

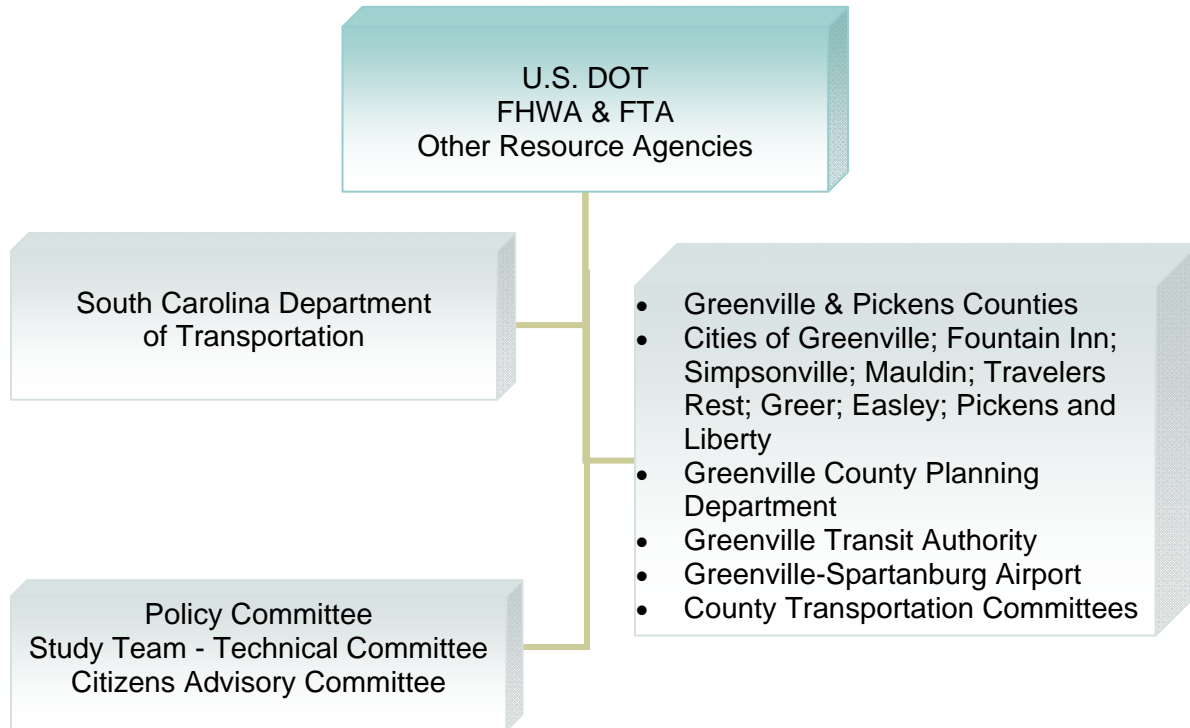
The Citizens Advisory Committee is a group of individuals from the Transportation Plan Advisory Committee, which was formed during the development of the LRTP. The CAC consists of volunteers who are interested in transportation issues. The CAC is responsible for keeping the Policy Committee informed of the community's perspective and shall also provide information to the community about transportation policies and issues. The CAC ensures that the values and interests of the communities of Greenville and Pickens counties are taken into consideration in the planning process.

The Study Team /Technical Committee membership includes staff from various federal, state, and local agencies and other associations who have a technical knowledge of transportation and/or planning. The team functions to ensure the involvement of all relevant departments, advisory agencies, and multi-modal transportation providers involved with the planning process and subsequent implementation of plans. The committee evaluates transportation plans and projects based on whether they are technically warranted and financially feasible.

The Policy Committee is a forum for cooperative decision-making by elected and appointed officials of the general purpose local governments and inter-modal transportation providers. The Policy Committee is also responsible for taking into consideration the recommendations from the CAC and the Study Team when adopting plans or setting policy. The Policy Committee has final authority in the matters of policy and adoption of plans.

# INTRODUCTION

FIGURE 1: PLANNING STRUCTURE



The MPO planners serve on a variety of committees and attend meetings to provide assistance and encouragement alignment with existing plans and policies. The staff attends the Greenville and Pickens County Transportation Committees (legislative delegations) and assist in the prioritization and review of proposed projects. The Bicycle and Pedestrian Advisory Committee meetings are attended regularly as well as the Transit Development Committee and GTA Board meetings to provide planning assistance and cooperative and collaborative transportation program.

The Staff also meets with the Greenville Chamber of Commerce Transportation Committee and Greenville Spartanburg International Airport officials. The staff periodically is invited to present transportation plans and programs carried out by the MPO to civic groups and organizations in the Greenville-Pickens Urbanized Area.

# INTRODUCTION

**TABLE 1: GPATS STUDY TEAM MEMBERS**

## GPATS Study Team

<b>Agency</b>	<b>Representative (Alternate)</b>
<b>Greenville County</b>	
Greenville Assistant City Traffic Engineer	Wil Ravenhorst
Greenville County Traffic Engineer	Kurt Walters
County Associate Transportation Planner	Tiffany Wedmore
County Transportation Planner	Keith Brockington
County Transportation Planning Manager	Daniel McGee
County Manager of Current Planning	John Owings
County Planning Director	Mellone Long
Greenville City Engineer	Dwayne Cooper
Greenville County Engineer	Hesha Gamble
Greenlink/Greenville Transit Grants Manager	Greg Baney
<b>Pickens and Anderson counties</b>	
Pickens County Planning Director	Chris Brink
Pickens County Planning Department	Nathalie Schmidt
Easley Public Works Director	Lamar Hunnicutt
City of Pickens Administrator (Planning Director)	Katherine Brackett
Anderson County Planner	Bill West
<b>SCDOT and FHWA</b>	
SCDOT Chief of Statewide Planning	Michael Sullivan (Bill Jordan)
SCDOT District Traffic Engineer	Eric Dillon
SCDOT Statewide Planning	Brian Fulmer
SCDOT District Program Manager	Tommy Elrod
SCDOT Traffic Safety Engineer	Dick Jenkins
SCDOT Traffic Engineering Manager	Jim Bennett
SCDOT Mass Transit Program Manager	Jim Frierson (Kayin Jones)
DHEC Manager of Air Quality Planning	Brian Barnes
FHWA Planning and Environmental Engineer	Dan Hinton (Jessica Hekter)
<b>Appalachian COG</b>	
ACOG Director of Planning	Chip Bentley (Phillip Lemon)

# INTRODUCTION

TABLE 2: GPATS POLICY COMMITTEE MEMBERS

## GPATS Policy Committee

Representation	Name
Greenville Legislative Delegation	Sen. David Thomas- Chair
Greenville Legislative Delegation	Sen. Ralph Anderson
Greenville Legislative Delegation	Rep. Dwight Loftis
Greenville Legislative Delegation	Sen. Danny Verdin
Greenville Legislative Delegation	Rep. Eric Bikas
Greenville Legislative Delegation	Rep. Phil Shoopman
Greenville County Council	Herman G. (Butch) Kirven
Greenville County Council	Xanthe Norris
Greenville County Council	Jim Burns
Greenville County Council	Fred Payne
Greenville County Council	Willis Meadows
Mayor of Greenville	Knox White
Mayor of Greer	Rick Danner
Mayor of Simpsonville	Dennis Waldrop
Mayor of Mauldin	Don Godbey
Mayor of Travelers Rest	Wayne McCall
Mayor of Fountain Inn	Gary Long
Pickens Legislative Delegation	Sen. Larry Martin- Vice Chair
Pickens Legislative Delegation	Rep. Phillip Owens
Pickens County Council	Jennifer Willis
Mayor of Easley	Larry Bagwell
Mayor of Pickens	David Owens
Mayor of Liberty	Brian Deese
Anderson Legislative Delegation	Rep. Dan Cooper
SCDOT Commissioner -- Pickens	Eddie Adams
SCDOT Commissioner -- Greenville	Johnny Edwards
Ex Officio Members	
Greenville Planning Commission Chair	Todd Usher
Greenville Planning Department Director	Mellone Long
Greenville GLDTC Chair	Warren Mowry
Pickens Planning Commission	J. Phillip Bowers
Pickens CTC Chair	Curtis Burgess
Greenville Transit Authority Chair	David Mitchell

# INTRODUCTION

## UNIFIED PLANNING WORK PROGRAM DEVELOPMENT

The Policy Committee, with input from the Citizens Advisory Committee and Study Team, annually revises and adopts the Unified Planning Work Program (UPWP) in order to comply with the federal regulations.

The FY 2012 UPWP describes: (1) the MPO's planning goals and activities; (2) provides cost estimates for each activity; (3) identifies funding sources; and (4) outlines a work schedule for the period July 1, 2011 through June 30, 2012. The document is organized into four major sections entitled:

**Part I:** Program Administration

**Part II:** Public Involvement Process

**Part III:** Systems Management & Monitoring

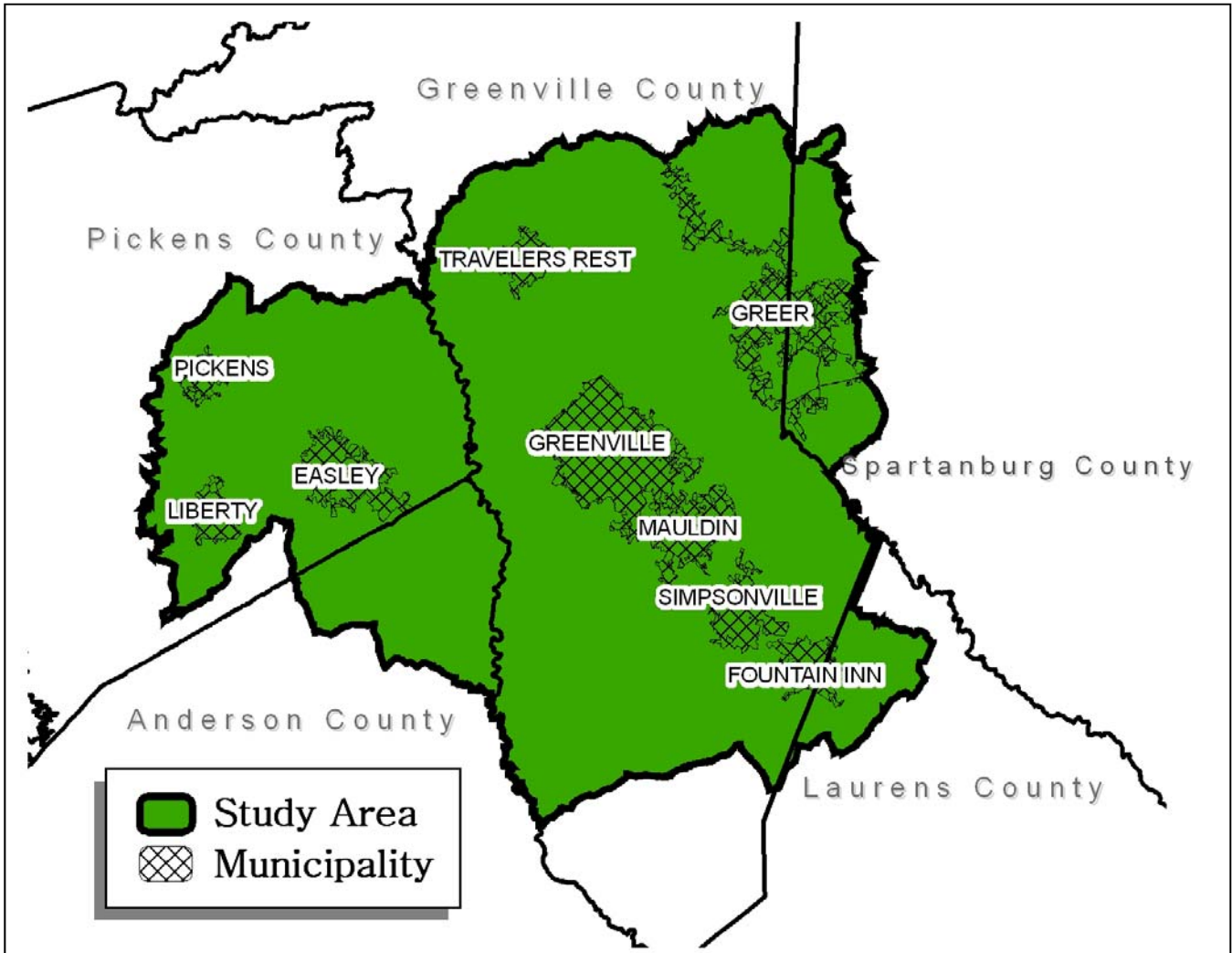
**Part IV:** Transportation Plans & Studies

The four sections of the UPWP include information on the parties responsible for carrying out planning activities. Defined activities are mostly geared towards the preparation and development of the Transportation Improvement Program (TIP) and lead to the development and adoption of the Long Range Transportation Plan (LRTP). Public involvement is an integral part of this planning process and is a core feature of numerous planning activities throughout the UPWP. GPATS will continue to assess the planning functions carried out through the MPO's Work Program and comply with recommendations as directed within the Planning Certification Review conducted every four years by the U.S. Department of Transportation.

The MPO presently receives funding from two (2) U.S. Department of Transportation (US DOT) sources: Federal Highway Administration (FHWA) planning (PL) funds are used for MPO planning; and Federal Transit Administration (FTA) provides 5303 funds for metropolitan planning. South Carolina Department of Transportation combines the monies into a consolidated grant to administer to the MPO. These are distributed contractually under an 80-20% grant split, of which the Federal government pays 80%, and 20% is matched (15% Greenville County and 5% Pickens County). The MPO is collaborating with the Greenville Transit Authority/Greenlink and the City of Greenville and assists in reimbursement using Consolidated Planning Funds that are used for administrative and grants coordination and operational planning needs of Greenlink. Greenlink is in the process of initial implementation of the recently completed Transit Vision and Master Plan funded through FTA 5307 funds and has developed grant applications for FTA 5316 (Job Access Reverse Commute) and FTA 5317 (New Freedom) funds to assist in the development of a regional transit system. The Mauldin and Simpsonville Urbanized Area will be exploring the use of ARRA funds appropriated to develop a potential Golden Strip Express Commuter Service facilitated through a purchase of service contract with GTA and operated by Greenlink.

# INTRODUCTION

FIGURE 2: GPATS STUDY AREA



# PROGRAM ADMINISTRATION

## **PURPOSE**

To coordinate and conduct the transportation planning activities of the Metropolitan Planning Organization (MPO) in compliance with all federal, state, and local laws regulations and requirements. This includes managing the basic operations of the MPO program through the following elements listed below.

### 101- Study Coordination

The MPO, which is staffed by the Greenville County Planning Department, is responsible for the direction and coordination of transportation planning activities per the PL contract for the GPATS Area.

### 102- Unified Planning Work Program

The UPWP provides a schedule of MPO planning activities including budgetary information and coordination with MPO committees and intergovernmental entities and the public.

### 103- Staff Education

Staff planners may attend transportation-related training courses, workshops and other related seminars as approved by the SCDOT.

### 104- Computer System Acquisition and Traffic Data Collection

The acquisition of hardware/software to assist with analysis of the transportation systems or other associated office equipment for MPO planning.

# PROGRAM ADMINISTRATION

## TASK 101: STUDY COORDINATION

Sub-element 101.1 Fiscal Management and MPO Administration

**OBJECTIVE:** To coordinate and conduct the transportation planning activities of the Metropolitan Planning Organization (MPO) in compliance with all federal, state, and local laws, regulations and requirements.

**PREVIOUS WORK:** Completed Quarterly Reports and Annual Performance Report. Held quarterly meetings with MPO committees.

**PROJECT DESCRIPTION:** Maintain proper records as required under the PL contract or FTA contract and preparation of budgets, financial records, reimbursement requests and an annual performance report. Coordinate MPO committee meetings and planning efforts.

**PRODUCT:** Quarterly Reports (Due Oct. 30th; Jan. 30th; April 30th; and July 30th) that include invoices and written status reports for submission to SCDOT. An updated Annual Performance Report (Due August 31) will be reviewed by all MPO Committees (CAC, Study Team, and Policy).

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	General contract administration

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	--------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	\$40,000
Local Match	\$10,000
TOTAL	\$50,000

## PROGRAM ADMINISTRATION

### TASK 102: UNIFIED PLANNING WORK PROGRAM (UPWP)

Sub-element 102.1 Collect Committee and Public Input for UPWP

**OBJECTIVE:** Development of the Fiscal Year 2012 UPWP

**PREVIOUS WORK:** FY 2011 Unified Planning Work Program

**PROJECT DESCRIPTION:** The UPWP is an annual document that includes a brief description of tasks, work products, responsible agencies, and identifies the funding sources to accomplish planning efforts. The draft 2012 UPWP is reviewed by SCDOT/FHWA. The Final UPWP gets reviewed by the Study Team and CAC, which then recommends it to the Policy Committee for adoption in June. The final UPWP is forwarded to SCDOT for a subsequent review and approval. The draft is advertised for public comment for 15 days to encourage public engagement.

**PRODUCT:** Adopted FY 2012 UPWP

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Develop and carry out annual planning activities regarding transportation planning functions of the MPO.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	--------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	\$50,000
Local Match	\$12,500
<b>TOTAL</b>	<b>\$62,500</b>

# PROGRAM ADMINISTRATION

## TASK 103: STAFF EDUCATION

Sub-element 103.1 Continued Education and Technical Training

**OBJECTIVE:** Develop MPO staff knowledge of transportation planning procedures through relevant workshops, conferences, and seminars.

**PREVIOUS WORK:** Various training and conferences.

**PROJECT DESCRIPTION:** To enhance transportation planning techniques that will enable the MPO to effectively carry out the planning process in the Greenville-Pickens Urbanized Area. Concurrence from SCDOT/FHWA will be facilitated as necessary.

**PRODUCT:** Staff enrichment and training.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Ongoing training.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	--------------------------------	--------------------	---------------------------------------

FUNDING SOURCE	AMOUNT
FHWA PL	\$10,000
Local Match	\$2,500
<b>TOTAL</b>	<b>\$12,500</b>

# PROGRAM ADMINISTRATION

## TASK 104: COMPUTER SYSTEM ACQUISITION

Sub-element 104.1 Maintenance of Microcomputer Files and Software

**OBJECTIVE:** Acquire relevant computer systems and software and train staff as related to the transportation planning process.

**PREVIOUS WORK:** Upgraded from ArcView 9.2 to ArcView 9.3. GPATS provides updates to TransCAD travel demand modeling software. GPATS purchased travel time and delay software and PETRA software for turning movements and intersection analysis.

**PROJECT DESCRIPTION:** This element allows the GCPD to purchase computer systems and software and other office equipment as needed. Also regulated Intelligent Transportation Systems (FHWA rule 940 regarding ITS) and GIS activities specifically relative to the MPO planning process.

**PRODUCT:** Integrated ITS and GIS databases enhancing the transportation planning functions of the MPO.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Continually review hardware and software needs of MPO.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	--------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	\$8,000
Local Match	\$2,000
TOTAL	\$10,000

# PUBLIC INVOLVEMENT PROCESS

## PURPOSE

The overall goal of the public involvement program is to continue to expand the opportunities for public input and education regarding the transportation planning and decision-making process. GPATS will continue to implement and improve on the Public Participation Plan, which outlines a framework from which the public becomes actively engaged in the transportation decision-making process. The MPO shall ensure plans will address environmental impacts or mitigation activities involving conservation of natural resources, historic preservation, and land-use development activities as well as other provisions necessary to comply with the local, state, or federal regulations, laws, and policies.

### 201- Public Involvement Program

To incorporate the new rules under the SAFETEA-LU Act from which the MPO will proactively reach out to the community and encourage public input (through a myriad of approaches) into the planning process. To actively involve minority, low-income, elderly, and handicapped persons to provide meaningful input to the decision-making process.

# PUBLIC INVOLVEMENT PROCESS

## TASK 201: PUBLIC INVOLVEMENT PROGRAM

### Sub-element 201.1 Participation Plan and Community Outreach

**OBJECTIVE:** To continue to develop the Public Participation Plan that outlines the goals of the MPO and opportunities for interaction among units of government and the public as related to the planning process.

**PREVIOUS WORK:** Adopted a Public Participation Plan (2007) and used this as a framework for public involvement in the planning process. Met with various stakeholders and groups regarding transportation planning.

**PROJECT DESCRIPTION:** To effectively obtain input concerning the MPO planning process through a framework encouraging public participation.

**PRODUCT:** Coordinate the Public Participation Plan to continue improving the public involvement process. Meet with Environmental Justice Communities to provide feedback regarding planning issues. Development and upkeep of an MPO web page and e-newsletter. Development of a new GPATS web site.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Hold meetings for LRTP and TIP as well as other planning documents of the MPO.

<b>TARGET START AND END DATES</b>	July, 01, 2011 June, 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	----------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	\$65,000
Local Match	\$16,250
<b>TOTAL</b>	<b>\$81,250</b>

# SYSTEMS MANAGEMENT AND COOPERATION

## **PURPOSE**

Maintain databases used in the modeling process and other transportation related information to assess the systems deficiencies. To utilize software and other planning techniques to monitor systems performance and develop strategic improvements to improve traffic operations or other transportation related safety needs of the community.

### 301-Transportation Systems Management

This element will incorporate the various ITS data, and compile information into a GIS platform to assess the transportation system and work collaboratively with state, county and local officials to develop strategies and plans to improve efficiency and safety of the transportation system.

### 302-Short Range Planning

This element will provide coordination with Greenville County Engineering with respect to traffic calming and data collection (traffic counts or other related needs), Traffic Impact Studies for zoning or land use proposals and collaboration with other municipal entities with respect to transportation issues associated with ordinances, Transportation Enhancement grants or other programs (e.g. Safe Routes To School, Prescription for Progress, greenway and trails or other related planning activities).

### 303-Transit & Multi Modal Planning

This element will provide Consolidated Planning funds to GTA (Greenlink) for operations and administration of transit planning activities related to National Transit Data (NTD) Reporting of alighting/boarding surveys, Title VI and DBE Planning, marketing and customer service, maintenance and administrative related activities, and route structure and transit shelter planning needs. GTA will use 5303 funds for Planning and Administration; 5307 for operating expenses, and 5309 funds will be allocated for facility improvements and upgrades at the Greenville transfer center.

# SYSTEMS MANAGEMENT AND COOPERATION

## TASK 301: SYSTEMS MANAGEMENT AND COORDINATION

### Sub-element 301.1 System Performance and Safety Planning

**OBJECTIVE:** Collect traffic data and develop strategies to increase the efficiency and safety of the transportation infrastructure.

**PREVIOUS WORK:** Compiling data sources from various agencies to integrate into GIS to identify deficiencies and develop interim plans to improve the transportation system.

**PROJECT DESCRIPTION:** To enhance transportation planning techniques that will enable the MPO to effectively carry out the planning process in the Greenville-Pickens urbanized area. This will provide program support for projects within the TIP and LRTP. To incorporate travel demand management and other strategies to improve system efficiency into MPO plans. Staff will coordinate the Safe Routes to School program and other safety-related planning within the urbanized area.

**PRODUCT:** Enhanced interface (related to importing spreadsheets, tables, etc.) for traffic data with ITS components, travel demand model data, and GIS platforms. Develop annual Crash Report.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Develop and maintain data collection to assist in implementing the LRTP and TIP as well as other planning documents of the MPO.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30,2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	-------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	40,400
Local Match	10,100
<b>TOTAL</b>	<b>\$50,500</b>

# SYSTEMS MANAGEMENT AND COOPERATION

## TASK 302: TRANSPORTATION SYSTEMS MANAGEMENT

### Sub-element 302.1 Short Range Planning

**OBJECTIVE:** To provide transportation planning assistance for local governments, Planning Commission, County Council, and other local units of government.

**PREVIOUS WORK:** Staff provides traffic assessment relative to reviews of subdivisions plats or zoning cases, and other municipalities' transportation planning assistance.

**PROJECT DESCRIPTION:** To provide transportation planning assistance to urbanized area municipal governments and carry out the planning process in the Greenville-Pickens Urbanized Area. This will provide program support for projects within the TIP and LRTP. To assist in land-use recommendations and traffic impact analysis as well as other transportation programs.

**PRODUCT:** Continuing and comprehensive assistance to local planning agencies, organizations, boards or commissions.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Attend meetings and provide assessment of traffic impacts or issues related to transportation plans or programs.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	--------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	64,000
Local Match	16,000
<b>TOTAL</b>	<b>\$80,000</b>

# SYSTEMS MANAGEMENT AND COOPERATION

## TASK 303: MULTIMODAL PLANNING

Sub-element 303.1 Transit Planning and Multimodal Coordination

**OBJECTIVE:** To provide transit planning funds to GTA (Greenlink) to carry out administration and operational planning.

**PREVIOUS WORK:** Grant Assistance to City of Greenville, which controls the transit operations/maintenance within the new Greenlink system.

**PROJECT DESCRIPTION:** To continue to work with GTA (Greenlink) to coordinate development of the Transit Vision and Master Plan, operations, maintenance and multi-modal transfer center rehabilitation and other related transit planning activities to promote the LRTP transit element and other regional transit development plans.

**PRODUCT:** Ongoing planning assistance through consolidated planning funding.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study and GTA (Greenlink)	Develop and maintain a collaborative transit planning program.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30,2012	<b>LEAD AGENCY</b>	Greenville County Planning Department & GTA
-----------------------------------	-------------------------------	--------------------	---

FUNDING SOURCE	AMOUNT
FHWA Consolidated PL Funds	83,200
Local Match (GTA-City/County)	20,800
<b>TOTAL</b>	<b>\$104,000</b>

# TRANSPORTATION PLANS AND STUDIES

## **PURPOSE**

Continue to develop and review input and project development for the Transportation Improvement Program (TIP) and the Long Range Transportation Plan (LRTP). To conduct other planning studies and assist in the development of the Imagine Greenville County Comprehensive Plan.

### 401-Transportation Improvement Program

The TIP provides a listing of SCDOT as well as local road improvement activities and transit capital projects scheduled over a three-year period and provides specific information on the project location, phases and costs.

### 402- Long Range Planning

The LRTP was adopted in November 2007. This plan details the transportation improvements over the next 25 years. These projects were scrutinized as sets of alternatives and weighed based on benefits quantified/qualified by associated measures of effectiveness. The model datasets will be updated as necessary.

### 403- Special Transportation Studies

The MPO has been providing PL funding to facilitate transportation plans within the region to assist local units of government to develop planning studies as applicable.

# TRANSPORTATION PLANS AND STUDIES

## TASK 401: TRANSPORTATION IMPROVEMENT PROGRAM

Sub-element 401.1 Project Development and Program Administration

**OBJECTIVE:** Development of the FY 2012-2017 TIP through the transportation planning structure and process.

**PREVIOUS WORK:** Adoption of the Fiscal Year 2010-2015 TIP.

**PROJECT DESCRIPTION:** Development of a staged six-year short range TIP produced through a collaborative process between the MPO (and associated committees), SCDOT, FHWA, and the public, that is fiscally constrained using federal, state, and local funds. The MPO will develop the *Final* TIP in June 2011. The MPO will also provide a self-certification document annually.

**PRODUCT:** Biannual updated TIP.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Meetings with committees, SCDOT & the public to develop TIP projects within the urbanized area.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	--------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	88,232
Local Match	22,058
<b>TOTAL</b>	<b>\$110,290</b>

# TRANSPORTATION PLANS AND STUDIES

## TASK 402: LONG RANGE PLANNING

### Sub-element 402.1 Long Range Transportation Plan

**OBJECTIVE:** Begin compiling TAZ data and associated model update information. Conduct model runs for conformity determinations or other travel demand analysis.

**PREVIOUS WORK:** Adopted Long Range Transportation Plan (November 2007).

**PROJECT DESCRIPTION:** To work with SCDOT (or consultants), Department of Labor, and the Census Bureau to develop socioeconomic data for the plan update. To work with respective agencies to identify needs to modify travel demand model boundaries, TAZ revisions, mapping, and coding of attribute data in advance of the 2010 Census relative to the development the base/ interim/future models.

**PRODUCT:** A travel demand model and updated zonal data to incorporate building permits, demolitions and other socioeconomic attribute changes within the transportation study area.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Meetings with local units of government to integrate the adopted LRTP.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	Greenville County Planning Department
-----------------------------------	--------------------------------	--------------------	--

FUNDING SOURCE	AMOUNT
FHWA PL	121,246
Local Match	29,256.50
<b>TOTAL</b>	<b>\$151,782.50</b>

# TRANSPORTATION PLANS AND STUDIES

## TASK 403: SPECIAL TRANSPORTATION STUDIES

### Sub-element 403.2 Swamp Rabbit Trail Evaluation

**OBJECTIVE:** Develop an evaluation of usage of the greenway and surveys to assess types of users, impact on corridor, access and safety, economic development, and marketing, as well as active transit.

**PREVIOUS WORK:** Pedestrian & Bicycle Element from LRTP; City of Greenville Master Bicycle Plan and Transit Vision and Master Plan.

**PROJECT DESCRIPTION:** Implementation of a three-year trail evaluation survey and analysis of socioeconomic characteristics and use data to support marketing and land-use infill (mixed use/transit oriented) and supportive information for grant applications.

**PRODUCT:** Greenway development and policies supportive of recreation and economic development along the Swamp Rabbit Trail.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
Greenville-Pickens Area Transportation Study	Assist with developing study and coordinating plans through MPO, local units of government and the public.

<b>TARGET START AND END DATES</b>	July 01, 2011 June 30, 2012	<b>LEAD AGENCY</b>	GPATS, GCRD, GCEDC, GHS
-----------------------------------	--------------------------------	--------------------	----------------------------

FUNDING SOURCE	AMOUNT
FHWA PL*	15,000
GCRD	3,750
TOTAL	\$18,750

\* Carried over from FY 2011.

# TRANSPORTATION PLANS AND STUDIES

## TASK 403: SPECIAL TRANSPORTATION STUDIES

Sub-element 403.3 “Connections for Sustainability: Linking Greenville’s Neighborhoods to Jobs and Open Space”

**OBJECTIVE:** Provide alternative transportation options to link people to jobs and housing while stimulating economic development and redeveloping blighted properties to attract new industries and professionals.

**PREVIOUS WORK:** Greenlink Transit Vision and Master Plan

**PROJECT DESCRIPTION:** A transportation study of Greenville, with a focus on the west side, will establish a route for bus rapid transit and identify associated transit-oriented development sites in order to connect the west side and downtown areas to emerging economic opportunities.

**PRODUCT:** Transit-Oriented Development (TOD) plan, with supporting codes and overlays, and a Bus Rapid Transit Route.

TRANSPORTATION RELATED PLANNING ACTIVITIES	
ORGANIZATION	ACTIVITIES
City of Greenville	Coordinate development of transportation study and its implementation, and assisting with community involvement, communication with local units of government, and public outreach.

<b>TARGET START AND END DATES</b>	February 28, 2011 February 28, 2014	<b>LEAD AGENCY</b>	City of Greenville
-----------------------------------	--	--------------------	--------------------

FUNDING SOURCE*	AMOUNT
FTA/DOT	235,000
MATCH*	100,000
TOTAL	\$335,000

\* Funding match provided by City of Greenville

# APPENDIX A

## GPATS DRAFT FY 2012 UPWP FUNDING SUMMARY

Planning Activities	Local	FHWA PL and FTA 5303	Total
Element 101 Study Coordination	10,000	40,000	50,000
Element 102 Unified Planning Work Program	12,500	50,000	62,500
Element 103 Staff Education	2,500	10,000	12,500
Element 104 Computer System and Equipment	2,000	8,000	10,000
Element 201 Public Involvement Program	16,250	65,000	81,250
Element 301 Systems Performance and Safety Planning	10,100	40,400	50,500
Element 302 Short Range Planning	16,000	64,000	80,000
Element 303 Multi-modal Coordination	20,800(1)	83,200	104,000
Element 401 Transportation Improvement Program	22,058	88,232	110,290
Element 402 Long Range Plan Update	29,256.50	121,426(2)	151,782.50
Element 403- Special Studies Swamp Rabbit Trail Evaluation Survey East Butler Road Corridor (Mauldin)	3,750(3) TBD	15,000 TBD	18,750 TBD
<b>Total for PL Consolidated Funds</b>	146,314.50 *	585,258	731,572.50

\*- Under agreement the PL Local Match (20%- \$125,514.50 matched 75% Greenville Co. – 25% Pickens Co.)

Footnotes: (1) – Matched by GTA; (2) Amended On Call contract with KH & A \$35,000+ or - to be invoiced for modeling; (3) Matched by GCRD.

# APPENDIX A

<b>GPATS UPWP Work Schedule</b>		
<b>Planning Task</b>	<b>Description of Planning Activities</b>	<b>Milestone Dates</b>
<b>Part 1 Program Administration Element</b>		
101.1	Working with Committees, grant and fiscal reports.	Quarterly
102.1	Preparation of UPWP, Progress Reports, Programs.	Ongoing
103.1	Staff Education & Professional Development Activities.	Ongoing
104.1	Software/hardware and office equipment. Web design and upkeep	Ongoing
<b>Part 2 Public Involvement Process Element</b>		
201.1	Make presentations on transportation issues.	Ongoing
	Public notice and advertisements of MPO actions.	Ongoing
	Implement Public Participation Plan.	Ongoing
	Produce Brochures, Maps, and Newsletters or other mediums for public education & information.	Ongoing (newsletter)
	Create new GPATS web site and maintain content.	Ongoing
<b>Part 3 Systems Management and Coordination Element</b>		
301	Develop and Maintain GIS data and transportation related systems data for planning.	Ongoing
302	Review Traffic Impact studies of zoning cases, coordinate traffic calming and other transportation analysis, assist with enhancement projects.	Ongoing
303	Provide Planning assistance to GTA (Greenlink) to conduct NTD reporting, and other FTA reviews and grant requirements. Assist in the implementation of Transit Vision and Master Plan and other transit planning activities.	Ongoing
<b>Part 4 Transportation Plans and Studies Element</b>		
401	Develop and amend TIP to include all highway and transit projects. Assist in the review of Advanced Planning Reviews and associated project development.	Ongoing
402	Coordinate implementation and update of LRTP, conduct model runs for conformity analysis and air quality needs, prepare TAZ demographic data for Census 2010.	Ongoing
403	Coordinate, and assist in the scoping, planning activities relative to various studies being performed as listed below.	Ongoing
403.1	Swamp Rabbit Trail Evaluation Survey	Ongoing

# APPENDIX A

<b>FY 2012 UPWP Task and Planning Elements Matrix to Required Planning Factor</b>						
<b>Planning Factor</b>	101-104	201	301-303	401	402	403
Support the economic vitality of the Urbanized Area	X	X	X	X	X	X
Increase safety of the transportation system for motorized and non-motorized users	X	X	X	X	X	X
Increase security of the transportation system	X	x	X	X	X	x
Increase accessibility and mobility options for people and freight	X	x	X	X	X	X
Protect and enhance the environment, promote energy conservation, and improve quality of life	X	x	X	X	X	X
Enhance integration and connectivity of the transportation system, across modes, for people and freight	X	x	X	X	X	X
Promote efficient system management and operation	X	x	X	X	X	X
Emphasize preservation of the existing transportation system	X	x	X	X	X	X


# APPENDIX A

## MPO SELF-CERTIFICATION

In accordance with 23 CFR Part 450.334 and 450.220 of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users, the South Carolina Department of Transportation, and the Greenville-Pickens Metropolitan Planning Organization for the Greenville-Pickens Urbanized Area(s) hereby certify that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

- (1) 23 U.S.C. 134, 49 U.S.C 5303, and this subpart;
- (2) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- (3) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- (4) Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- (5) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- (6) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- (7) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- (8) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- (9) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

**Michael Sullivan, PE**  
Area Engineer  
SC Department of Transportation

  
\_\_\_\_\_  
June 20, 2011  
Date

**Sen. David Thomas, Chairperson**  
GPATS Policy Committee

  
\_\_\_\_\_  
June 20, 2011  
Date

## APPENDIX B

### COORDINATION REQUIREMENTS FOR PROCUREMENT OF CONSULTING SERVICES

In the event that the MPO or sub-recipient intends to procure consulting services to complete tasks outlined in the approved Unified Planning Work Program (UPWP), the following steps must be adhered to sequence in order to ensure federal participation in the project:

#### STEP 1

- Submit a draft scope of work in sufficient detail to determine that all work elements are eligible under Section 104(f) of Title 23 USC
  - Submit a draft advertisement that will be used in South Carolina Business Opportunities (SCBO)
  - Submit an internal estimate of the project cost
- Receive a notice to proceed from SCDOT to advertise the request for proposal

#### STEP 2

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

#### STEP 3

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

All invoices will be sent to Greenville County Planning and paid quarterly (State Fiscal Year July 1, 2011 through June 30, 2012). We process our reimbursement and Quarterly Reports 30 days after the end of each quarter. A narrative of tasks and project deliverables will accompany your invoices.

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

\_\_\_\_\_  
DATE

\_\_\_\_\_  
CITY or COUNTY REPRESENTATIVE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
MPO PLANNING MANAGER