

# U nified P lanning W ork P rogram

## of Transportation Planning Activities for the Coastal Region Metropolitan Planning Organization (CORE MPO)

Fiscal Year 2016  
July 1, 2015 - June 30, 2016

Adopted: April 29, 2015  
Amended: October 28, 2015

Administered by the Chatham County-Savannah Metropolitan Planning Commission in cooperation with  
the Georgia Department of Transportation

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Prepared in cooperation with the Department of Transportation, Federal Highway Administration.

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**COASTAL REGION  
METROPOLITAN PLANNING ORGANIZATION**

**UNIFIED PLANNING WORK PROGRAM**

**FISCAL YEAR 2016**

(July 1, 2015 - June 30, 2016)

**Coastal Region Metropolitan Planning Organization  
Chatham County - Savannah Metropolitan Planning Commission  
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## RESOLUTION

### COASTAL REGION METROPOLITAN PLANNING ORGANIZATION

#### ADOPTION OF CORE MPO FY 2016 UNIFIED PLANNING WORK PROGRAM

WHEREAS, in accordance with the joint Federal Transit Administration - Federal Highway Administration regulations on urban transportation planning (23 CFR Parts 420 and 450, and 49 CFR Part 613), a Unified Planning Work Program is required to be developed; and

WHEREAS, the Coastal Region Metropolitan Planning Organization has been designated by the Governor of Georgia as the Metropolitan Planning Organization for the Savannah urbanized area; and

WHEREAS, the Coastal Region Metropolitan Planning Organization, in accordance with Federal requirements for a Unified Planning Work Program, and in cooperation with area planning, implementation, and operating transportation agencies, has developed a total transportation planning program for the Savannah urbanized area for the upcoming fiscal year which is specific by planning element and costs, and which combines all applicable funding sources; and

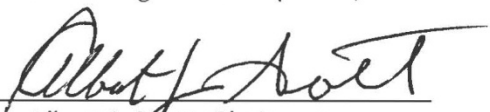
WHEREAS, the Unified Planning Work Program is consistent with all plans, goals, and objectives of the Coastal Region Metropolitan Planning Organization; and

WHEREAS, the Unified Planning Work Program was initially adopted at a meeting held on April 29, 2015;

NOW, THEREFORE BE IT RESOLVED, that the Coastal Region Metropolitan Planning Organization adopts the Coastal Region Metropolitan Planning Organization FY 2016 Unified Planning Work Program as its official program of transportation planning activities for the period from July 1, 2015 to June 30, 2016.

#### CERTIFICATION

I hereby certify that the above is a true and correct copy of a Resolution adopted by the Coastal Region Metropolitan Planning Organization at a meeting held on April 29, 2015.



Albert J. Scott, Chairman  
Coastal Region Metropolitan Planning Organization

## **RESOLUTION**

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WHEREAS, the Unified Planning Work Program is consistent with all plans, goals, and objectives of the Coastal Region Metropolitan Planning Organization; and

WHEREAS, the Unified Planning Work Program was initially adopted at a meeting held on April 29, 2015 and subsequently amended at a meeting held on October 28, 2015;

NOW, THEREFORE BE IT RESOLVED, that the Coastal Region Metropolitan Planning Organization adopts the Coastal Region Metropolitan Planning Organization FY 2016 Unified Planning Work Program as its official program of transportation planning activities for the period from July 1, 2015 to June 30, 2016.

#### **CERTIFICATION**

I hereby certify that the above is a true and correct copy of a Resolution adopted by the Coastal Region Metropolitan Planning Organization at a meeting held on October 28, 2015.

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Albert J. Scott, Chairman  
Coastal Region Metropolitan Planning Organization



# CORE MPO FY 2016 UPWP

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### Introduction

#### Purpose of the UPWP

This FY 2016 Unified Planning Work Program (UPWP) for the Coastal Region Metropolitan Planning Organization (CORE MPO) describes the transportation planning activities supporting the development of the Transportation Improvement Program (TIP) and the Metropolitan Transportation Plan (MTP) to be performed from July 1, 2015 to June 30, 2016 with funds provided under Title 23 USC and the Federal Transit Act.

#### Overview of the MPO Planning Process

CORE MPO is the designated Metropolitan Planning Organization (MPO) for the Savannah Urbanized Area which includes all of Chatham County and portions of Bryan and Effingham Counties.<sup>1</sup> The MPO is the organization designated by the governor to administer the federally-required transportation planning process in an urbanized area with a population over 50,000.

Development of the UPWP is carried out by the CORE MPO staff. The review and adoption process follows the CORE MPO Board and advisory committee process, and includes a minimum of four public meetings with opportunity for comment and response to all comments.

The program has been organized into four major elements and then subdivided into specific tasks under each major element. The four major program categories are as follows:

#### I. Administration

#### II. Public Involvement

#### III. Data Collection

#### IV. Systems Planning

This UPWP will guide transportation planning activities toward the adopted goals and objectives of CORE MPO. These goals and objectives are contained in the Total Mobility Plan /2040 Metropolitan Transportation Plan (MTP) (August 2014). Other components of the transportation planning process which include study organization/management and responsibilities are addressed in the adopted Memorandum of Understanding (MOU).

Adopted Goals:

1. **Economic Activity:** Support the economic vitality of the region, matching the community's goals, especially by enabling local, regional and global competitiveness, productivity and efficiency.
2. **Safety:** Ensure and increase the safety of the transportation system for all users, including motorized vehicles, bicyclists and pedestrians.

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<sup>1</sup> This program continues the transportation planning process for Chatham County including the process of expanding the CORE MPO Metropolitan Planning Area (MPA) into Bryan and Effingham Counties through a process known as reapportionment. Under federal law, MPOs are required to reevaluate their MPA boundaries after each decennial census to ensure that the MPA includes the current census defined urbanized area and the area expected to become urbanized in the next 20 years. CORE MPO began coordinating with representatives from Bryan County, Richmond Hill and Effingham County in FY 2013 to determine logical MPA boundaries and representation. The reapportionment process is expected to continue through FY 2015 and will ultimately result in an updated MOU, Bylaws, Metropolitan Transportation Plan (MTP) and Transportation Improvement Program (TIP).

## CORE MPO FY 2016 UPWP

3. **Security:** Ensure and increase the security of the transportation system for all users, including motorized vehicles, bicyclists and pedestrians.
4. **Accessibility, Mobility and Connectivity:** Ensure and increase the accessibility, mobility and connectivity options available to people and freight, and ensure the integration of modes, where appropriate.
5. **Environment and Quality of Life:** Protect, enhance and sustain the environment and quality of life, promote energy conservation and address climate change.
6. **System Management and Maintenance:** Assess the transportation system to determine what works well, what does not work well, and potential improvement options.
7. **Intergovernmental Coordination:** Ensure coordination in the transportation planning process between intra- and inter-regional partners, including both state and local agencies.

The UPWP lists proposed funding sources for each project as well as the agencies that participate in these projects. The Chatham County-Savannah Metropolitan Planning Commission (MPC) Transportation Department staff serves as lead staff to CORE MPO and receives federal funding for both highway and transit planning. The Georgia Department of Transportation (GDOT) is an active participant in the transportation planning process, and also receives federal funding for planning.

The Chatham Area Transit Authority (CAT) and the MPC, through an ongoing annual agreement, collaborate on defining and programming transit planning projects for listing in the UPWP. The Federal Highway Administration (FHWA), Federal Transit Administration (FTA) as well as other local agencies in The CORE MPO Metropolitan Planning Area (MPA) participate in the process as well.

The overall planning program is designed to comply with the requirements of the U.S. Department of Transportation Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) which was signed into law on July 6, 2012.

MAP-21 preserves ISTEA's, TEA-21's and SAFETEA-LU's emphasis on the local transportation planning process and adds new requirements for specific performance measures and targets. Unlike TEA-21 and SAFETEA-LU, MAP-21 is a two year bill which provides decreased funding levels for the work program.

**MAP-21 Planning Factors**

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

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

Pursuant to the FHWA approved Georgia UPWP template, the following table serves as a visualization tool which shows how the proposed transportation planning tasks relate to the eight planning factors and underscore the strong alignment between CORE MPO's planning activities and federal transportation planning priorities:

Task No.	Task Description	Metropolitan Planning Factors Addressed							
		1	2	3	4	5	6	7	8
<b>1</b>	<b>Program Support and Administration</b>								
1.1	Program Coordination	X	X	X	X	X	X	X	X
1.2	Operations and Administration	X	X	X	X	X	X	X	X
1.3	Training and Professional Development	X	X	X	X	X	X	X	X
1.4	Equipment and Supplies	X	X	X	X	X	X	X	X
1.5	Contracts and Grants	X	X	X	X	X	X	X	X
1.6	Unified Planning Work Program	X	X	X	X	X	X	X	X
<b>2</b>	<b>Public Involvement</b>								
2.1	Community Outreach/Education								
2.2	Environmental Justice/Title 6/Anti-Poverty				X	X	X		X
2.3	Participation Plan								
<b>3</b>	<b>Data Collection</b>								
3.2	Land Use Monitoring/Traffic Impact Analysis	X	X			X	X	X	X
3.6	Bicycle and Pedestrian Demand	X	X		X	X	X	X	X
<b>4</b>	<b>Systems Planning</b>								
4.1	Congestion Management/TMC	X	X	X		X	X	X	X
4.2	Transit / Paratransit Planning	X	X	X	X	X	X	X	X
4.5	Road Diet Feasibility Study	X	X		X	X	X	X	X
4.6	Model Development and Applications	X			X	X	X	X	X
4.10	Freight Planning	X	X	X	X	X	X	X	
4.11	Long Range Plan	X	X	X	X	X	X	X	X
4.12	Transportation Improvement Program	X	X	X	X	X	X	X	X
4.13	Strategic Planning Studies	X	X	X	X	X	X	X	X
4.16	Commuter Program	X	X		X	X	X	X	X

### **FHWA/FTA 2015-2016 Planning Emphasis Areas**

On April 23, 2014, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) jointly issued the FY 2015-2016 Planning Emphasis Areas (PEAs), which include transition to performance based planning and programming as per MAP-21, cooperation and coordination across MPO boundaries and across State boundaries where appropriate to ensure a regional approach to transportation planning, and access to essential services in which the transportation planning process identifies transportation connectivity gaps and solutions to address those gaps.

For 2015-2016, these PEAs include:

#### **MAP-21 Implementation**

- **Transition to Performance Based Planning and Programming.** The development and implementation of a performance management approach to transportation planning and programming that supports the achievement of transportation system performance outcomes.

#### **Models of Regional Planning Cooperation**

- **Promote cooperation and coordination across MPO boundaries and across State boundaries where appropriate to ensure a regional approach to transportation planning.** Cooperation could occur through the metropolitan planning agreements that identify how the planning process and planning products will be coordinated, through the development of joint planning products, and/or by other locally determined means.

#### **Ladders of Opportunity**

- **Access to Essential Services -** as part of the transportation planning process, identify transportation connectivity gaps in access to essential services. Essential services include housing, employment, health care, schools/education, and recreation. This emphasis area could include MPO and State identification of performance measures and analytical methods to measure the transportation system's connectivity to essential services and the use of this information to identify gaps in transportation system connectivity that preclude access of the public, including traditionally underserved populations, to essential services. It could also involve the identification of solutions to address those gaps.

### **FHWA/FTA FY 2016 Planning Emphasis Areas**

On March 18<sup>th</sup>, 2015, a letter was sent to Executive Directors of Metropolitan Planning Organizations requesting that they reiterate and emphasize these planning emphasis areas in their work programs for fiscal year 2016.

For FY-2016, these PEAs, excerpted from the March 18<sup>th</sup> 2015 letter, include:

#### **MAP-21 Implementation**

**Transition to Performance-based Planning and Programming** – Further develop the MPO's performance management approach to transportation planning and programming. Performance-based planning and programming includes using transportation performance measures, setting targets, reporting performance, and programming transportation investments directed toward the achievement of transportation system performance outcomes. Appropriate UPWP work tasks could include working with local planning partners to identify how to implement performance-based planning provisions such as collecting performance data, selecting and reporting performance targets for the metropolitan area, and reporting actual system performance related to those targets. Consider the option to explore use of scenario planning to develop the metropolitan transportation plan. Use of the following resources are encouraged: *Performance Based Planning and Programming Guidebook*; *Model Long Range Transportation Plans Guidebook* and *Small Metropolitan Areas: Performance Based Planning*

#### **Regional Models of Cooperation**

**Ensure a Regional Approach to Transportation Planning by Promoting Cooperation and Coordination across Transit Agency, MPO and State Boundaries**- To improve the effectiveness of transportation decisionmaking, think beyond traditional borders and adopt a coordinated approach to transportation planning. A coordinated approach supports common goals and capitalizes on opportunities related to project delivery, congestion management, safety, freight, livability, and commerce across boundaries. Improved multi-jurisdictional coordination by State DOTs, MPOs, providers of public transportation, and rural planning organizations (RPOs) can reduce project delivery times and enhance the efficient use of resources, particularly in urbanized areas that are served by multiple MPOs. Revisit the metropolitan area planning agreements to ensure that there are effective processes for cross-jurisdictional communication among State DOTs, MPOs, and providers of public transportation to improve collaboration, policy implementation, technology use, and performance management. Explore the opportunity to partner with RPOs to conduct transportation planning in non-metropolitan areas. Use of FHWA's *Regional Models of Cooperation* and *Every Day Counts Initiative* Webpages are encouraged for more information.

#### **Ladders of Opportunity**

**Access to Essential Services** - Identify transportation connectivity gaps in accessing essential services. Essential services include employment, health care, schools/education, and recreation. Suggested UPWP work tasks include developing and implementing analytical methods to identify gaps in the connectivity of the transportation system and developing infrastructure and operational solutions that provide the public, especially the traditionally underserved populations, with adequate access to essential services. Other effective work tasks could include: evaluating the effectiveness of public participation plans for engaging transportation disadvantaged communities in the transportation decisionmaking process; updating the Section 5310 Coordinated Human Service Public Transportation Plans; assessing the safety and condition of pedestrian and bicycle facilities; and evaluating compliance with Americans with Disabilities Act, particularly around schools, concentrations of disadvantaged populations, social services, medical, and transit facilities.

**Linkages between the FHWA/FTA FY 2015-2016 and FY 2016 Planning Emphasis Areas to the CORE MPO FY 2016 UPWP:**

The following table serves as a visualization tool which shows how the proposed transportation planning tasks relate to the 2015-2016 Planning Emphasis Areas (PEAs) and underscores the strong alignment between CORE MPO's planning activities and federal transportation planning priorities:

**Planning Emphasis Areas Addressed\***

Task No.	Task Description	Models of Regional Cooperation	Access to Essential Services	MAP-21 Implementation
<b>1</b>	<b>Program Support and Administration</b>			
1.1	Program Coordination	X		
1.2	Operations and Administration	X	X	X
1.3	Training and Professional Development	X	X	X
1.4	Equipment and Supplies			
1.5	Contracts and Grants	X	X	X
1.6	Unified Planning Work Program	X	X	X
<b>2</b>	<b>Public Involvement</b>			
2.1	Community Outreach/Education	X		
2.2	Environmental Justice/Title 6/Anti-Poverty		X	
2.3	Participation Plan			
<b>3</b>	<b>Data Collection</b>			
3.2	Land Use Monitoring/Traffic Impact Analysis	X		
3.6	Bicycle and Pedestrian Demand			
<b>4</b>	<b>Systems Planning</b>			
4.1	Congestion Management/TMC	X	X	X
4.2	Transit / Paratransit Planning	X	X	
4.5	Road Diet Feasibility Study		X	
4.6	Model Development and Applications	X		X
4.10	Freight Planning	X		X
4.11	Long Range Plan	X	X	X
4.12	Transportation Improvement Program		X	X
4.13	Strategic Planning Studies	X	X	X
4.16	Commuter Program	X	X	

\* Presented in the Order of the FY 2015-2016 PEAs

## CORE MPO FY 2016 UPWP

### TASK # 1 Administration

#### **Sub-element 1.1 Program Coordination**

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Objective: Coordinate the activities of the MPO with other MPOs, MPC, City of Savannah, Chatham County, portions of Effingham and Bryan Counties, Richmond Hill, CAT, GPA, GDOT, SRTA, CRC, ITE and other transportation stakeholders.

Previous Work: This is a continuing annual activity. In FY 2015, CORE MPO staff completed, and the Governor approved a revised Memorandum of Understanding (MOU) for the MPO. In FY 2015, the CORE MPO staff participated in the Association of Metropolitan Planning Organizations (AMPO), AMPO Policy Committee, AMPO Technical Committee and Georgia Association of Metropolitan Planning Organizations (GAMPO). CORE MPO staff collaborated with Bryan County, Richmond Hill and Effingham County staff, as well as Chatham County and its municipalities to plan for the expansion of the Metropolitan Planning Area (MPA) boundary. CORE MPO staff provided the necessary consultation, analysis and staff support to conduct the federally mandated metropolitan transportation planning process, and coordinated the transportation planning process and products with the efforts of other MPOs, the Metropolitan Planning Commission, Georgia Department of Transportation, Chatham County and its municipalities, Chatham Area Transit, Georgia Ports Authority, State Road and Toll Authority, Coastal Regional Commission, Effingham County, Bryan County and other government jurisdictions in the region.

Project Description: The CORE MPO staff attends various meetings and carries out routine coordination activities with federal, state and local planning partners and various related agencies. Ad hoc committees may also be formed as needed to examine specific technical issues and to serve as a liaison to the standing MPO committees regarding key recommendations and decisions.<sup>2</sup> Provide the necessary consultation, analysis and staff support to conduct the federally mandated metropolitan transportation planning process, and to coordinate the transportation planning process and products with the efforts of other MPOs, the Metropolitan Planning Commission, Georgia Department of Transportation, Chatham County and its municipalities, Chatham Area Transit, Georgia Ports Authority, State Road and Toll Authority, Coastal Regional Commission, Effingham County, Bryan County and other government jurisdictions in the region. Carry out the necessary consultation with representatives of Chatham, Bryan and Effingham Counties and current member organizations and individuals as required by the reapportionment process to expand the Metropolitan Planning Area (MPA) to include appropriate urbanized and urbanizing areas of the three counties. Prepare for and attend transportation related meetings, as well as interstaff and interagency coordination meetings that may be required, including meetings with city, county, GDOT, FHWA, FTA and other MPOs. Prepare for and attend annual and semi-annual meetings of professional societies concerned with Metropolitan Transportation Planning issues, including the Association of Metropolitan Planning Organizations (AMPO), AMPO Policy Committee, AMPO

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<sup>2</sup> Due to their very nature, ad hoc committees function under guidelines and procedures particular to the planning process for which they are formed. Due to the wide range of tasks which may be required, no attempt is made to address the functions of specific ad hoc committees in the MPO Participation Plan (PP), but CORE MPO staff, its project managers and consultants use best management practices proactively to ensure that the guiding tenets of the PP, the MOU and applicable federal planning regulations are observed and upheld to the highest standards.



CORE MPO FY 2016 UPWP

TASK # 1 Administration

**Sub-element 1.1 Program Coordination**

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Technical Committee, Georgia Association of Metropolitan Planning Organizations (GAMPO) and others, including travel costs.

Product: Routine study correspondence, memoranda, presentations, policy recommendations, etc. Revised Memorandum of Understanding for the MPO expected June, 2015. Initiation of reapportioned MPO.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities
GDOT	Quarterly Pre-Construction Meetings
GDOT, Chatham County	Project Concept Meetings
GAMPO	Semi-annual Work Sessions
AMPO	Annual Conferences, Mid-year Meetings Working Group Meetings
ITE	Technical Meetings

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$38,400.00
GDOT PL Match	\$0.00
Local PL Match	\$9,600.00
FTA Section 5303	\$0.00
GDOT 5303 Match	\$0.00
LOCAL 5303 Match	\$0.00
TOTAL FUNDS	\$48,000.00

CORE MPO FY 2016 UPWP

TASK # 1 Administration

**Sub-element 1.2 Operations and Administration**

**ALI 44.21.00**

Objective: Manage the CORE MPO work program, maintain study records, document meetings and undertake general administrative activities.

Previous Work: This is a continuing annual activity. In FY 2015, CORE MPO staff provided support for and hosted all MPO board and advisory committee meetings, including agendas, minutes, mailings, presentations and staff reports. Committees staffed include the CORE Board (MPO), Technical Coordinating Committee (TCC), Citizens Advisory Committee (CAC), Advisory Committee on Accessible Transportation (ACAT), and Transportation Staff (formerly the Test Network Subcommittee, a subcommittee of the TCC).

Project Description: Provide staff support for and host all MPO board and advisory committee meetings, including agendas, minutes, mailings, presentations and staff reports. Committees staffed include the CORE Board (MPO), Technical Coordinating Committee (TCC), Citizens Advisory Committee (CAC), Advisory Committee on Accessible Transportation (ACAT), Economic Development and Freight Advisory Committee (EDFAC) and Transportation Staff (a subcommittee of the TCC). Additional committees may be added pending the outcomes of reapportionment. Ad hoc committees may also be staffed if needed to address emerging issues as determined by the CORE MPO Board and its standing committees.

Product: Meeting agendas, minutes and mailings. Presentations and staff reports. Study files and records.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$80,800.00
GDOT PL Match	\$0.00
Local PL Match	\$20,200.00
FTA Section 5303	\$20,757.71
GDOT 5303 Match	\$2,594.71
LOCAL 5303 Match	\$2,594.71
Local Operating	54,642.19
<b>TOTAL FUNDS</b>	<b>\$181,589.32</b>

## CORE MPO FY 2016 UPWP

TASK # 1 Administration

**Sub-element 1.3 Training and Professional Development**

**ALI 44.21.00**

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Objective: Maintain professional competency in transportation planning and traffic analysis methods and procedures, and enhance the technical capacity of the planning process.

Previous Work: MPO staff actively participates in Transportation Research Board (TRB), Institute of Transportation Engineers (ITE), Association of Metropolitan Planning Organizations (AMPO), Georgia Association of Metropolitan Planning Associations (GAMPO), American Planning Association (APA), including conferences, annual meetings, mid-year meetings and working committee/subcommittee meetings.

In FY 2015, CORE MPO staff participated in the TRB Annual Meeting and ADA20 Metropolitan Policy, Planning, and Processes Committee, the AMPO Annual Meeting and mid-year Policy Committee and Technical Committee meetings, as well as local American Society of Civil Engineers (ASCE) Chapter meetings. CORE MPO staff will attend and participate in these same events in FY 2016.

Project Description: Enhancing the technical capacity of the planning process was an FTA/FHWA planning emphasis area for FY 2005. This task covers registration costs and travel expenses to attend transportation related meetings, seminars, conferences, webinars, training and workshops including TRB, ITE, AMPO, APA, GPA, ASCE and others which enhance the technical capacity of the planning process. All conferences attended are intended to enhance the technical capacity of the transportation planning process and are held by well-established entities involved with MPO planning such as AMPO, GAMPO, GDOT, TRB and the like, and CORE MPO staff holds office, or serves on standing committees in many instances. Includes both in-state and out of state travel.

This funding is to be used to cover any and all federally eligible expenses of MPO staff to attend the Transportation Research Board (TRB) annual and mid-year meetings and committee meetings, the Institute of Transportation Engineers (ITE) annual and summer meetings and chapter luncheons, Association of Metropolitan Planning Organizations (AMPO) annual meeting, AMPO Policy and Technical Committee Meetings, AMPO working group meetings, Georgia Association of Metropolitan Planning Associations (GAMPO) annual, mid-year and ad-hoc meetings, American Planning Association (APA) annual conference/meeting and FHWA sponsored AICP credit training, APA Georgia Section Spring and Fall Conferences. In addition, this work task covers expenses for MPO staff to attend and participate in any training, workshops, committees or subcommittees relevant to Metropolitan Transportation Planning provided by qualified sponsors such as, but not limited to, FHWA, FTA, GDOT, Other State DOTs, other MPOs NHI, NTI, TTI, ITRE, NaCO, NADO, NARC, RDC, Citilabs, Trafficware and others.

In FY 2016, CORE MPO staff will participate in the TRB Annual and Mid-Year Meetings and ADA20 Metropolitan Policy, Planning, and Processes Committee, the AMPO Annual Meeting and Mid-Year Policy Committee and Technical Committee meetings, as well as local American Society of Civil Engineers (ASCE) Chapter meetings, Georgia Planning Association (GPA) Annual and Mid-Year Meetings, ITE Annual, Mid-Year and Chapter Meetings, as well as other eligible meetings and events such as those hosted by NHI, NTI, TTI, ITRE, NaCO, NADO, NARC, RDC, Citilabs, Trafficware or others customarily attended by other Georgia MPOs.

CORE MPO FY 2016 UPWP

TASK # 1 Administration

**Sub-element 1.3 Training and Professional Development**

**ALI 44.21.00**

This is a continuing annual activity which includes both staff time and travel expenses to participate in the aforementioned activities.

Product: Travel documentation and trip reports, training materials, etc.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$8,000.00
GDOT PL Match	\$0.00
Local PL Match	\$2,000.00
FTA Section 5303	\$6,017.91
GDOT 5303 Match	\$752.24
LOCAL 5303 Match	\$752.24
TOTAL FUNDS	\$17,522.39

CORE MPO FY 2016 UPWP

TASK # 1 Administration

**Sub-element 1.4 Equipment and Supplies**

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Objective: Purchase and maintain specialized computer hardware, software and other supplies to support the transportation planning functions of the MPO.

Previous Work: In 2014 and 2013, the CORE MPO staff maintained existing software licenses and technical manuals related to transportation. Since 2012, the MPO has purchased major updates to Synchro and Simtraffic , and continued to maintain current software licenses. Updated versions of the Highway Capacity Manual, AASHTO Green Book and ITE Trip Generation Manual have also been purchased.

Project Description: Maintain current licenses in Arc GIS, Arc View, TP+, Viper, CUBE, AutoCAD, TSIS, Synchro and other transportation related software packages as needed. Purchase new technical manuals and computer equipment for use by MPO staff as needed.

Funding for this task will be added to the adopted FY 2016 UPWP by amendment in August 2016 using available PL carryover funds.

Product: Computer software and hardware, technical manuals, purchase records.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$4,000.00
GDOT PL Match	\$0.00
Local	\$1,000.00
FTA Section 5303	\$0.00
GDOT 5303 Match	\$0.00
LOCAL 5303 Match	\$0.00
<b>TOTAL FUNDS</b>	<b>\$5,000.00</b>

CORE MPO FY 2016 UPWP

TASK # 1 Administration

**Sub-element 1.5 Contracts and Grants**

**ALI 44.21.00**

Objective: Provide adequate administrative support to prepare, process and track annual and quarterly grant documentation in support of the MPO’s operating budget. Assist the state in the preparation of the Metropolitan Planning Services Contract and Section 5303 Transit Planning Contracts, and M230 funded Strategic Planning Studies contracts. Actively pursue and administer other grants for transportation planning as they become available. Develop grant planning schedule based upon GDOT, FHWA and FTA administrative schedule requirements.

Previous Work: This is a continuing annual activity. In FY 2015, provided adequate administrative support to prepare, process and track annual and quarterly grant documentation in support of the MPO’s operating budget. Assisted the state in the preparation of the Metropolitan Planning Services Contract, Section 5303 Transit Planning Contracts, and M230 funded Strategic Planning Studies contracts. Prepared proper study documentation for grant reimbursement including development of Annual and Quarterly Progress Reports.

Project Description: Provide adequate administrative support to prepare, process and track annual and quarterly grant documentation in support of the MPO’s operating budget. Assist the state in the preparation of the Metropolitan Planning Services Contract, Section 5303 Transit Planning Contracts, and M230 funded Strategic Planning Studies contracts.<sup>3</sup> Prepare proper study documentation for grant reimbursement including development of Annual and Quarterly Progress Reports.

Product: Planning services contracts, routine annual and quarterly progress reports and reimbursement requests.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$12,000.00
GDOT PL Match	\$0.00
Local PL Match	\$3,000.00
FTA Section 5303	\$4,757.05
GDOT 5303 Match	\$594.63
LOCAL 5303 Match	\$594.63
TOTAL FUNDS	\$20,946.31

<sup>3</sup> Please refer to the summary budget table at the end of this document for a full listing of tasks funded by each of these sources. Please refer to individual task descriptions for further information on planning activities funded by these sources.

CORE MPO FY 2016 UPWP

TASK # 1 Administration

**Sub-element 1.6 Unified Planning Work Program**

**ALI 44.21.00**

Objective: Prepare the FY 2017 Unified Planning Work Program.

Previous Work: This is an annual activity. The FY 2016 Unified Planning Work Program was prepared in FY 2015.

Project Description: CORE MPO staff will identify priority transportation planning work tasks, prepare descriptive narrative for each work task as well as cost estimates, develop project schedules based upon timelines for key planning deliverables, coordinate input from other agencies and prepare the FY 2017 Unified Planning Work Program. MPC will also maintain the FY 2016 UPWP and prepare budget adjustments and amendments as necessary.

GDOT will assist in the preparation of the FY 2017 Unified Planning Work Program, provide timely financial projections, prepare the PL Contract for FY 2017, and review work accomplished quarterly on the FY 2016 PL Contract to authorize the appropriate payment.

Product: FY 2017 UPWP published on CORE MPO website and in print upon request. Budget adjustments and amendments to FY 2016 UPWP as required.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$14,400.00
GDOT PL Match	\$0.00
Local PL Match	\$3,600.00
FTA Section 5303	\$1,969.64
GDOT 5303 Match	\$246.21
LOCAL 5303 Match	\$246.21
<b>TOTAL FUNDS</b>	<b>\$20,462.06</b>

## CORE MPO FY 2016 UPWP

### TASK # 2 Public Involvement

#### Sub-element 2.1 Community Outreach and Education

ALI 44.21.00

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Objective: Continue to facilitate the two-way exchange of information between CORE MPO and the general public on transportation matters as outlined in the adopted CORE MPO Participation Plan. Maintain the CORE MPO website. Make available transportation planning data and information for the general public; provide data and analysis on request to local government agencies; meet with community groups and individuals on request; prepare newsletters, flyers and newspaper inserts for free distribution and web posting.

Previous Work: This is an ongoing annual activity. In FY 2015, CORE MPO staff hosted public outreach meetings on major studies including the 2040 Total Mobility Plan as well as major TIP and Long Range Transportation Plan amendments in addition to staffing the Citizen's Advisory Committee and the Advisory Committee on Accessible Transportation. CORE MPO staff continued to maintain neighborhood and media contact information. The MPO website, [corempo.org](http://corempo.org), is continually updated to provide the most current planning documents and meeting materials.<sup>4</sup>

Project Description: Provide the interface between the metropolitan transportation planning process and the local community as stated in the CORE MPO Participation Plan.<sup>5</sup> This includes 1) raising citizens' level of understanding of the CORE MPO transportation planning process and 2) ensuring that the citizens have been provided with adequate, appropriate and meaningful opportunities to participate in the decision-making process.

Provide transportation-related data and analyses at the request of local government agencies, developers and the general public. Meet with community groups and individuals as well as the media to provide information on the current CORE MPO planning program, identified transportation deficiencies and specific project details and to discuss community issues and concerns related to transportation. Participate in public information meetings on transportation projects.

Continue to maintain and update the MPO website with the latest planning documents and meeting materials. Develop and publish newsletters and newspaper inserts to document the status of transportation planning and implementation in The CORE MPO Metropolitan Planning Area (MPA) as well as other public information materials, such as brochures, newsletters, flyers, and media kits, etc. as needed. Promote and protect the new MPO name and mark to enhance public understanding of the MPO and its purpose.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

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<sup>4</sup> Note that final plan documents are posted on the website as soon as they are completed. In some instances, changes made due to comments received during the public review and comment period may require substantial additional work after plan adoption. This is noted on the website and is not a deficiency of the website, but a reflection of a robust public involvement process and the exemplary responsiveness of the CORE MPO and its staff to an inclusive 3-C planning process.

<sup>5</sup> Note that major planning initiatives such as the Long Range Transportation Plan Update, Corridor and Sector Studies and the like will typically include an extensive public participation effort that is often separate from this task.



CORE MPO FY 2016 UPWP

TASK # 2 Public Involvement

**Sub-element 2.1 Community Outreach and Education**

**ALI 44.21.00**

Product: Public information reports . Printed copies of CORE MPO Participation Plan, newsletters and flyers along with other public information materials. Project files and documents, and presentation materials. CORE MPO website.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$8,932.02
GDOT PL Match	\$0.00
Local PL Match	\$2,233.01
FTA Section 5303	\$7,723.83
GDOT 5303 Match	\$965.48
LOCAL 5303 Match	\$965.48
TOTAL FUNDS	\$20,819.82

## CORE MPO FY 2016 UPWP

### TASK # 2 Public Involvement

#### **Sub-element 2.2 Environmental Justice/Title VI/Anti-Poverty Transportation Planning ALI 44.21.00**

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Objective: Environmental Justice is an integral aspect of all interactions between the CORE MPO and the public. This task will include work efforts which help ensure the full and fair participation by all potentially affected communities in the transportation decision-making process and prevent the denial of, reduction in, or significant delay in the receipt of benefits by minority and low-income populations.

This program element builds upon the previous work of the Advisory Committee on Accessible Transportation (ACAT) to encourage representation of these traditionally underserved communities in the Metropolitan Planning Area (MPA) (those communities with high concentrations of minority, low-income, disabled or elderly populations) and their involvement in the CORE MPO transportation planning process.

To provide further detailing of the Paratransit Plan; to provide assistance in the implementation of the recommendations; to monitor CAT and TELERIDE operations to identify needed refinements.

Previous Work: In 2015, the CORE MPO staff updated the MPO's Title VI program, which was adopted by the CORE MPO Board on December 10, 2014. MPO staff continued to support the ACAT Committee, and ACAT continued to provide advice and recommendations regarding transportation planning for the transportation disadvantaged.

Project Description: This task was specifically called out as a separate work task by FHWA and Georgia MPO staffs during the development of the Georgia/FHWA UPWP template in 2003. MPC staff will identify and involve traditionally underserved communities in The CORE MPO Metropolitan Planning Area (MPA) in the CORE MPO transportation planning process as identified in the MPO Participation Plan, through the use of analytical techniques and public involvement. This includes using Geographic Information Systems (GIS) mapping to locate these populations within the Savannah Urbanized area and to assess the benefits and burdens of existing and planned transportation system investments on these identified target populations. Undertake significant steps, through the increased involvement of ACAT, to publicize these efforts and involve the public. Also ensure that these communities are represented as members of ACAT.

MPC staff will provide staff support in the continuing functioning of ACAT. Arrange for ACAT meetings; prepare and distribute meeting agendas and minutes.

CAT staff will participate in the ACAT meetings and will monitor the operations of TELERIDE services and develop recommendations for modifications where appropriate. Provide detailed planning and updating to allow for the implementation of the recommendations in the Paratransit Plans.

TELERIDE staff will participate in the ACAT meetings and furnish information pertaining to the operations of the TELERIDE Service.

MPC staff will also maintain the EJ Plan. As part of the EJ plan, the MPC staff maintains a Limited English Proficiency (LEP) Plan. This is a requirement when a target population reaches 5% of the total

CORE MPO FY 2016 UPWP

TASK # 2 Public Involvement

**Sub-element 2.2 Environmental Justice/Title VI/Anti-Poverty Transportation Planning** ALI 44.21.00

population, which occurred in the 2010 Census. MPC staff will also continue to evaluate the LRTP, TIP, and other programs and plans for EJ compliance, and continue to pursue partnerships with service and non-profit groups that could assist the MPO to engage minority and low income persons both through ACAT and other forms of outreach.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

Product: ACAT meeting agendas and minutes, GIS analysis; TELERIDE ridership tables and graphs, occasional memorandums and recommendations. Periodic updates to the EJ and LEP plans, the Title VI process and other documents required by Title VI.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities
CAT	Staff support for ACAT
TELERIDE	Staff support for ACAT

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$0.00
GDOT PL Match	\$0.00
Local PL Match	\$0.00
FTA Section 5303	\$5,119.38
GDOT 5303 Match	\$639.92
LOCAL 5303 Match	\$639.93
TOTAL FUNDS	\$6,399.23

## CORE MPO FY 2016 UPWP

TASK # 2 Public Involvement

### Sub-element 2.3 Participation Plan

ALI 44.21.00

Objective: Update the CORE MPO Participation Plan to reflect the revised Metropolitan Planning Area (MPA) boundary and updated membership and committee structure, as well as the latest federal planning requirements including MAP-21.

Previous Work: The existing CORE MPO Participation Plan was adopted on August 27, 2008 and subsequently revised in 2010, 2011 and 2012. There were no revisions to the Participation Plan during FY 2015, and therefore this task was not included in the FY 2015 UPWP.

Project Description: MPC staff, with the assistance of consultants, will comprehensively update the MPO Participation Plan to reflect the MPO's revised MPA and committee structure, and the latest federal planning requirements.

- Descriptions of committees and their composition will be updated to reflect the new committee structure resulting from expansion of the MPA;
- The plan's goals, objectives, and measures of effectiveness will be reconsidered and revised if necessary to improve the process and to ensure compliance with MAP-21;
- Participation processes described in the plan will be revised if necessary to ensure citizens, affected public agencies, representatives of public transportation employees, freight shippers, providers of freight transportation services, private providers of transportation, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties are provided with a reasonable opportunity to comment on the plans, programs, and studies produced by the MPO.
- To promote participation in the update of the Participation Plan, notices will be provided through multiple channels, public meetings will be held, and a 45-day public comment period will be conducted.

The update will be carried out in coordination with citizens, affected public agencies, representatives of public transportation employees, freight shippers, providers of freight transportation services, private providers of transportation, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

Product: Fully updated CORE MPO Participation Plan.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

CORE MPO FY 2016 UPWP

TASK # 2 Public Involvement

**Sub-element 2.3 Participation Plan**

**ALI 44.21.00**

Target Start and End Dates	July 1, 2015 – December 16, 2015	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$0.00
GDOT PL Match	\$0.00
Local PL Match	\$0.00
FTA Section 5303	\$13,680.57
GDOT 5303 Match	\$1,710.07
LOCAL 5303 Match	\$1,710.07
<b>TOTAL FUNDS</b>	<b>\$17,100.71</b>

## CORE MPO FY 2016 UPWP

### TASK # 3 Data Collection

#### **Sub-element 3.2 Traffic Impact Analysis**

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Objective: This is an ongoing activity to coordinate the land use planning activities of the MPC with the comprehensive transportation planning activities of the MPO. This project is intended to provide the MPC with feedback on the transportation impacts of development proposals, and ensure that the land use decisions of the MPC are fully integrated into the MPO's transportation plans and programs by analyzing the travel demand impacts of major development proposals in order to document transportation needs, identify appropriate mitigation, facilitate developer participation in the costs of improvements and maintain the functional integrity of the surface transportation network.

Previous Work: This is an ongoing annual activity. Throughout each year, CORE MPO staff reviews the transportation impacts of development proposals on an ongoing basis and coordinates findings with the Development Services staff, Chatham County, municipalities and the MPC Board. A unified traffic impact analysis methodology has been developed and is currently being integrated into the New Zoning Ordinances (NewZO) (formerly the Unified Zoning Ordinance (UZO)) which is a multi-year effort under ongoing development.

In FY 2015 the CORE MPO staff assisted with review of site plans, Developments of Regional Impact (DRIs) and traffic studies in conjunction with the development review process initiated by the MPC and CRC.

MPO staff worked with the City of Savannah and the Chatham County and requested developers to prepare traffic impact analysis report for developments which were anticipated to generate a significant number of trips which would affect the traffic network surrounding the development. The MPO first requests a scoping meeting with developer to review the scope of the traffic impact analysis study. Once the scope is defined and approved the developers are responsible conduct the analysis. The final analysis is submitted to CORE MPO, the City of Savannah and Chatham County staff for review and approval. The CORE MPO reviewed and approved several traffic analysis studies through FY 2015.

Project Description: This is an ongoing activity to coordinate the land use planning activities of the MPC with the comprehensive transportation planning activities of the MPO. CORE MPO staff will continue to review site plans, Developments of Regional Impact (DRIs) and traffic studies in conjunction with the development review process initiated by the MPC and CRC.

MPO staff will continue to work with the City of Savannah and the Chatham County and request developers to prepare traffic impact analysis report for developments which are anticipated to generate a significant number of trips which will affect the traffic network surrounding the development. The MPO first requests a scoping meeting with developer to review the scope of the traffic impact analysis study. Once the scope is defined and approved the developer is responsible conducting the analysis. The final analysis is submitted to CORE MPO, the City of Savannah and Chatham County staff for review and approval. The number of traffic impacts studies submitted for review can vary year to year based on the number of developments taking place in the region.

CORE MPO FY 2016 UPWP

TASK # 3 Data Collection  
**Sub-element 3.2 Traffic Impact Analysis**

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Product: Traffic studies, reports and review comments based on current development proposals.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities
City of Savannah	Site Plan Review
Chatham County	Site Plan Review

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$28,800.00
GDOT PL Match	\$0.00
Local PL Match	\$7,200.00
FTA Section 5303	\$0.00
GDOT 5303 Match	\$0.00
LOCAL 5303 Match	\$0.00
TOTAL FUNDS	\$36,000.00

CORE MPO FY 2016 UPWP

TASK # 3 Data Collection

**Sub-element 3.6 Bicycle and Pedestrian Demand**

**ALI 44.24.00**

Objective: To obtain information on current levels of observed bicycle and pedestrian demand for use in short range and long range planning activities, such as needs analysis, prioritization, and performance measurement.

Previous Work: Count data collected in the field was entered into spreadsheets for current and future use. MPO staff provided information on walking and bicycling activity when relevant for MPO plans or studies, or for other agencies documents. Routes regularly used by bicycle clubs in the area were mapped in GIS.

Project Description: MPO staff will manage the collection of pedestrian and bicycle counts at several locations within the planning area, as part of the National Bicycle and Pedestrian Documentation Project (NBPDP). Activity also includes updating documentation of routes regularly used by bicycle touring clubs in the area.

Counts will be collected on two or three days within the same week at locations previously monitored. Because of the known limitations of data from short-duration, manual counts, staff also will research the literature and practices for bicycle and pedestrian traffic monitoring in order to identify advanced data collection methods and equipment that may be needed for the program in the future.

MPO staff will select count locations, prepare count forms obtain and train volunteers, research regular bicycle touring club routes submit data and compile reports and/or maps, research alternative data collection methods for possible future implementation.

Product: Counts, reports, and maps.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
----------------------------	------------------------------	-------------	-----

Funding Source	Amount
FHWA PL	\$4,000.00
GDOT PL Match	\$0.00
Local PL Match	\$1,000.00
FTA Section 5303	\$3,908.74
GDOT 5303 Match	\$488.59
LOCAL 5303 Match	\$488.59
<b>TOTAL FUNDS</b>	<b>\$9,885.92</b>



## CORE MPO FY 2016 UPWP

### TASK # 4 Systems Planning

#### **Sub-element 4.1 Congestion Management Process**

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Objective: Congestion management is the application of strategies to improve transportation system performance and reliability by reducing the adverse impacts of congestion on the movement of people and goods. A congestion management process (CMP) is a systematic and regionally-accepted approach for managing congestion that provides information on transportation system performance and assesses alternative strategies for congestion management that meets state and local needs. The CMP is intended identify congestion management strategies for funding and implementation. The CMP will provide for the safe and effective management and operation of new and existing transportation facilities through the use of demand reduction and operational management strategies.

Previous Work: The CORE MPO's first Congestion Management System (CMS) was initiated in 2003 and was formally adopted in 2004. This initial CMS included a rigorous GPS based review of travel speeds and congestion on all arterials and major collectors, and developed a congestion index to measure corridor congestion. An innovative feature of the first CMS is the designation of constrained corridors, and the call for traffic management strategies where conventional capacity increases are not feasible.

With the passage of SAFETEA-LU, the requirements of a CMS became more rigorous, and became known as a Congestion Management Process (CMP). MPO and FHWA staff at that time conducted a review of the existing CMS and determined that it significantly exceeded the minimum requirements in place at the time of its adoption, and in fact already met the new requirements of a CMP. With the support of FHWA, the CMS was formally designated a CMP by the MPO Board on June 27, 2007.

In 2008, the CORE MPO initiated the first major update to the CMP. Completed in 2009, the CMP update established a process for corridor and hot spot analysis, and reiterated the need for a traffic management center.

In FY 2013, CORE MPO acted on one of the key initial findings of the 2004 CMP, that approximately 30% of arterial congestion could be improved through Transportation Systems Management (TSM) strategies at signalized intersections, by conducting Phase 1 of the Savannah Regional Traffic Management Center (TMC) Strategic Plan which included data collection and a comprehensive needs assessment.

In FY 2014, CORE MPO initiated Phase 2 of the Savannah Regional TMC Strategic Plan which will produce the TMC Strategic Plan Report including a prioritized list of projects and planning level cost estimates and schedule for deployment. This phase of the TMC planning effort is ongoing in FY 2015 and is expected to conclude in FY 2016.

Project Description: In FY 2016, CORE MPO will begin the first comprehensive re-evaluation of its major thoroughfare network since the first CMP was initiated in 2003. Network congestion will be evaluated to gauge current system performance, and the effectiveness of mitigation strategies undertaken since the initial CMP report was published in 2004. This will include MAP-21 performance based planning approach performance measures and targets once they are defined.

## CORE MPO FY 2016 UPWP

### TASK # 4 Systems Planning

#### Sub-element 4.1 Congestion Management Process

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The MPO will seek consultant services to conduct data collection and analysis for the CMP update. The CORE MPO staff will serve a project manager. Tasks will include:

- Develop Regional Objectives: review existing objectives and refine.
- Define the CMP Network: review existing CMP network and refine.
- Develop Multimodal Performance Measures:
  - Review performance measures used in the past CMP and refine as necessary.
  - In coordination with the GDOT and CAT incorporate MAP 21 system performance measures and targets as federal guidance become available.
- Collect Data/Monitor System performance
- Analyze Congestion Problems and needs: identify areas of congestion based on data collection and performance measures.
- Identify and Assess Strategies: link areas of congestion to possible strategies.
- Program and Implement Strategies:
  - Identify strategies, programs and projects.
  - Identify projects in the TIP
- Evaluate Strategy Effectiveness:
  - Identify previous projects and programs in place and evaluate effectiveness of improving congestion.
  - Look back at previous CMP reports and TIPs

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

Product: The final product will be an online report which includes an updated congestion management process consisting of and updated CMP network, traffic data and recommended congestion reduction strategies.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning  
**Sub-element 4.1 Congestion Management Process**

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Funding Source	Amount
FHWA PL	\$19,200.00
GDOT PL Match	\$0.00
Local PL Match	\$4,800.00
FHWA M230	\$45,470.24
Local M230 Match	\$11,367.56
FTA Section 5303	\$0.00
GDOT 5303 Match	\$0.00
LOCAL 5303 Match	\$0.00
TOTAL FUNDS	\$80,837.80

## CORE MPO FY 2016 UPWP

### TASK # 4 Systems Planning

#### Sub-element 4.2 Transit / Paratransit Planning

ALI 44.24.00

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Objective: The transit and paratransit planning activities will provide support for the improvement of public transit services in the CORE MPO Metropolitan Planning Area (MPA).

Previous Work: This is a continuing planning activity. The CORE MPO has provided general planning services and assisted Chatham Area Transit (CAT) on various planning studies. The MPO has coordinated and assisted CAT with technical support such as mapping, analysis, and other various projects related to the transit system and new transit services in the Savannah area. In Fall of FY 2015, CORE MPO and CAT scoped two new studies and requested a funding contract from GDOT: the Regional Mobility Management Program study and the Service Tactical Optimization Process Route Level Profile Analysis, Monitoring and Response study, and MPO staff completed a Park and Ride Lot study.

Project Description: CORE MPO will provide general planning services and assist Chatham Area Transit (CAT) on various planning studies. The CORE MPO will continue to take the first two short term recommendations from the Transit Mobility Vision Plan (1. The Regional Mobility Management Program and 2. Service Tactical Optimization Process Route Level Profile Analysis) to the next step with a goal of eventual implementation. These studies fall under PI #0013366. This includes \$85,253.45 in FY 2016 M230 funds in addition to Section 5303 FTA funds (see funding table).

Regional Mobility Management Program: CORE MPO staff will assist CAT with the ongoing Regional Mobility Management Program. The project will evaluate CAT's existing "family of services" to identify opportunities to provide and/or coordinate a Regional Commuter Services Program (CSP) that better meets the needs of the varied markets in the region including but not limited to: existing and emerging employment centers, educational institutions, economic development interests, and inter-county commuters.

Typically, Commuter Services Programs offer and/or promote the following elements:

- A. Employer outreach and site assessments
- B. Commuter Benefits tax assistance
- C. Computerized ridematching services
- D. Guaranteed Ride Home
- E. Universal access programs
- F. Vanpool services (capital, operating assistance/subsidies)
- G. Promotional and educational materials

Service Tactical Optimization Process Route Level Profile Analysis: The CORE MPO will assist CAT with the ongoing Service Tactical Optimization Process Route Level Profile Analysis, Monitoring and Response study will help Chatham Area Transit monitor service delivery and develop process for using relevant data to assess efficiency and effectiveness that will provide a valuable means of making decisions direct marketing and neighborhood level partnerships.

The scope of services for this work will establish a Service Tactical Optimization Process (STOP) for CAT to more effectively deploy existing resources and prioritize service investments.

CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

**Sub-element 4.2 Transit / Paratransit Planning**

**ALI 44.24.00**

The CORE MPO will also coordinate and assist CAT with technical support such as mapping, analysis, and other various projects related to the transit system and new transit services in the Savannah area.

Other short-range transit projects that may be conducted in task 4.2 include:

- Assist CAT with an Alternative Transit Modes Study
- Assist CAT promote new transit oriented development
- Assist CAT to identify new sources of transit funding
- Assist CAT to carry out strategic transit planning initiatives as identified in the 2013 CAT TDP
- Assist CAT and Mobility Management Board with short range transit projects as needed

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

Product: Planning support, a analysis, mapping, presentation materials and memorandum reports, as required.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities
CAT	Service Expansion, Including West Chatham
CAT	TDP Implementation
CAT	Ferries and Dockside Facilities
CAT	Passenger Amenities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$0.00
GDOT PL Match	\$0.00
Local PL Match	\$0.00
FHWA M230	\$133,980.53
Local M230 Match	\$33,495.13
FTA Section 5303	\$33,284.72
GDOT 5303 Match	\$4,160.59
LOCAL 5303 Match	\$4,160.59
<b>TOTAL FUNDS</b>	<b>\$209,081.56</b>

## CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

**Sub-element 4.5 Road Diet Feasibility Study**

**ALI 44.24.00**

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Objective: To accelerate the implementation of bicycle facilities and reduce the negative impacts to adjacent properties by maximizing the utilization of existing pavement for all users. By identifying potential issues and opportunities related to re-allocating pavement space, the Road Diet Feasibility Study may advance lower cost solutions for bicycle connectivity which minimize or eliminate costly construction or right-of-way impacts.

Previous Work: This is a new project for FY 2016. Initiation was previously planned for FY 2015 but the project was moved to FY 2016 for budgetary reasons.

Project Description: While the CORE MPO set aside a portion of anticipated future revenues for non-motorized transportation projects in the Total Mobility Plan 2040 MTP, many local bikeway and multi-use path projects have remained stalled in the preliminary engineering phase due to budgetary constraints, citizen concerns or other unresolved issues.

CORE MPO staff will work consultants to identify low cost, short term solutions which can take place within existing pavement widths. One or more corridors identified in the CORE MPO Non-Motorized Transportation Plan will be examined to determine whether or not existing and forecast motor vehicle traffic volumes can be accommodated with a reduced the number of motor vehicle lanes thereby improving bicycle connectivity and potentially realizing other benefits. Data on motor vehicle, bicycle, and pedestrian traffic, roadway dimensions will be collected and analyzed. Existing crash data will be analyzed to assess the desirability of a change in pavement allocation among users.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

Product: Final report on feasibility of implementing a road diet on one or more priority corridors.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning  
Sub-element 4.5 Road Diet Feasibility Study

ALI 44.24.00

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Funding Source	Amount
FHWA PL	\$4,800.00
GDOT PL Match	\$0.00
Local PL Match	\$1,200.00
FHWA M230	\$31,829.10
Local M230 Match	\$7,957.27
FTA Section 5303	\$1,954.37
GDOT 5303 Match	\$244.30
LOCAL 5303 Match	\$244.30
TOTAL FUNDS	\$48,229.34

CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

**Sub-element 4.6 Model Development and Applications**

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Objective: Develop and apply CUBE, Synchro, CORSIM, and other models in Metropolitan Transportation Plan updates, corridor studies and other transportation planning applications. Implement priority travel demand model improvements identified by consultants in 2013 to maintain currency with state of the practice, and support ongoing planning efforts of the CORE MPO.

Previous Work: In FY 2013, the CORE MPO completed a technical review of its current travel demand modeling practices as carried out in partnership with GDOT. This review prioritized a series of recommended improvements in response to current and foreseeable analytical demands.

A comprehensive update of the MPO’s travel demand model was completed in the Spring of 2014 in support of the CORE MPO 2040 Total Mobility Plan.

Project Description: MPO staff will continue to work with GDOT and consultants to update and refine the MPO travel demand model in support of emerging performance based planning requirements under MAP-21.

Priority improvements to the travel demand model identified by consultants in 2013 will be carried out on a priority basis subject to funding availability: transit analysis, freight analysis/mode, time of day analysis, model generated performance measures and toll analysis.

MPO staff will continue to provide traffic model data and expertise in support of LRTP and TIP amendments, development review, and strategic transportation studies. Socioeconomic forecasts and trip tables will continue to be updated based on new development activity as appropriate.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

Product: Enhanced computer models. Operational analyses and test results. Computer files, printouts and plots.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities
GDOT	Travel Model Development
Consultants	Model Development

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning  
**Sub-element 4.6 Model Development and Applications**

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Funding Source	Amount
FHWA PL	\$2,800.00
GDOT PL Match	\$0.00
Local PL Match	\$700.00
FHWA M230	\$136,409.82
Local M230 Match	\$34,102.46
FTA Section 5303	\$0.00
GDOT 5303 Match	\$0.00
LOCAL 5303 Match	\$0.00
TOTAL FUNDS	\$174,012.28

## CORE MPO FY 2016 UPWP

### TASK # 4 Systems Planning

#### Sub-element 4.10 Freight Planning

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Objective: Provide for the safe and efficient goods movement in support of local and state economic objectives and in compliance with MAP-21 requirements.

Previous Work: In FY 2013, the CORE MPO completed phase one of the MPO Freight Plan, which focuses on regional freight transportation assets, existing policies, strategies and institutions and freight commodity flows and forecasts. In FY 2014 and FY 2015, the CORE MPO conducted phase two of the MPO Freight Transportation Plan which expands the study area to the Savannah Metropolitan Statistical Area (Chatham, Bryan and Effingham Counties) and focuses on freight goods movements and regional profiles, freight performance measures, freight commodity flows and forecasts, freight network bottlenecks as well safety and security issues, economic development market analysis, environmental and community impact scan and analysis, as well as draft recommendations. Phase two of the MPO Freight Transportation Plan is ongoing. All of the draft reports are available for review on the CORE MPO's website at <http://www.thempc.org/Transportation/FreightTransportationPlans.html>.

Project Description: Wrapping up in FY 2016, the phase two of the MPO Freight Transportation Plan will focus on incorporating comments and finalizing all of the draft reports listed above. In addition, the MPO will conduct a detailed freight land use assessment and analysis. The final recommendations on improvements, strategies and solutions regarding freight infrastructure and land use will be developed. A final report will be prepared reflecting the freight, goods and service plan. This report will support the area's economic vitality and complement state freight planning process.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task. The MPO's consultants are conduct the majority of the work tasks listed above with funding authorized in prior years. , MPO staff provide oversight, direction and management.

Product: Final reports and documentation.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning  
**Sub-element 4.10 Freight Planning**

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Funding Source	Amount
FHWA PL	\$20,800.00
GDOT PL Match	\$0.00
Local PL Match	\$5,200.00
FHWA M230	\$0.00
Local M230 Match	\$0.00
FTA Section 5303	\$0.00
GDOT 5303 Match	\$0.00
LOCAL 5303 Match	\$0.00
TOTAL FUNDS	\$26,000.00

## CORE MPO FY 2016 UPWP

### TASK # 4 Systems Planning

#### **Sub-element 4.11 Long Range Plan**

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Objective: Maintain and revise the CORE MPO 2040 Total Mobility Plan as needed. Continue to work on supporting plans and studies.

Previous Work: In FY 2015, the CORE MPO Total Mobility Plan 2040 MTP was adopted. Several components of the 2040 Total Mobility Plan, including the Transit Mobility Vision Plan, the SR 204 Corridor Study, the SR 21 Corridor Study and the US 80 Corridor Study have been completed since 2010. The Non-Motorized Transportation Plan and the Urban Circulator Feasibility Study were started in FY 2010 and FY 2014 respectively, and are expected to be completed in FY 2015.

GDOT staff will continue the activities necessary to assist MPO staff in maintaining the Long Range Transportation Plan including the preparation of project cost estimates and the travel demand model.

Project Description: Federal planning regulations require that MPO Metropolitan Transportation Plans be updated at least every five years, and that a twenty year planning horizon be maintained. In FY 2016, the Total Mobility Plan 2040 MTP will be amended to include portions of Bryan and Effingham County which are being added to the MPOs planning area under reapportionment pursuant to the 2010 Census. As a part of this amendment, the MTP financial plan will be revised to include any additional funds reasonably expected to be available to the CORE MPO due to the enlarged planning area. The financially constrained list of projects will be updated accordingly.

Assist in evaluating alternate transportation projects proposed by the transportation committees, local officials and citizens, or GDOT officials.

Undertake work necessary to refine and incorporate the recommendations of special traffic studies into the 2040 LRTP.

Prepare periodic updates to the 2040 LRTP financial plan and project cost estimates to assure the continued validity of the financial forecast and financial constraint analysis.

Other activities that will occur in the long range planning for FY 2016: Strategic transit initiatives as identified in the 2013 CAT TDP, Assistance to CAT and the Mobility Management Board with long range transit planning projects as needed, Continued updates and refinements to project databases, Continued pursuit of improved methods of disseminating project information to constituents and the public.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task. A consultant team will assist the MPO in revising the 2040 LRTP to incorporate the newly added areas in Bryan County and Effingham County. The MPO staff and project manager will ensure the completion of the revised LRTP development.

CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

**Sub-element 4.11 Long Range Plan**

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Product: Amended 2040 Total Mobility Plan/LRTP addressing the revised MPA in compliance with the most current MAP-21 requirements. Prioritized project listings, cost estimates and financial plan, traffic assignment loaded networks, plots and listings. Project cost estimates and specifications, final report.

Transportation Planning Related Activities of Other Agencies	
Organization	Activities
GDOT	Assist in developing traffic projections, project cost estimates and financial analysis.
Effingham County, Bryan County and Richmond Hill staff	Assist in developing project information and priorities.

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$24,000.00
GDOT PL Match	\$0.00
Local PL Match	\$6,000.00
FHWA M230	\$0.00
Local M230 Match	\$0.00
FTA Section 5303	\$0.00
GDOT 5303 Match	\$0.00
LOCAL 5303 Match	\$0.00
TOTAL FUNDS	\$30,000.00

CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

**Sub-element 4.12 Transportation Improvement Program**

**ALI 44.25.00**

Objective: Develop the annual Transportation Improvement Program (TIP) update including the projects which are prioritized by the CORE MPO in the 2040 Long Range Transportation Plan for short term implementation.

Previous Work: The current FY 2015-2018 TIP was adopted in the August 2014 and modified and amended throughout the year as needed. This is an ongoing annual activity.

Project Description: MPO staff will develop the TIP and its annual element by programming those projects which were prioritized by the MPO for implementation in the Total Mobility Plan 2040 MTP. Maintain the TIP throughout the year, conduct Transportation Alternatives call for projects, modify the program and update it as necessary to incorporate priority projects, to reflect changes in project cost, scope and schedule. Continue to update and refine project databases, and pursue improved methods of disseminating project information to constituents and the public. Develop Transportation Improvement Program (TIP) Web Based Tools including an Electronic Database to support development of the electronic TIP (ETIP) and improve dissemination of project information via internet.

GDOT will assist in the preparation of the annual update of the TIP.

Other local agencies will assist in identifying projects and in developing information to support expenditures programmed in the TIP.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task. Consultants will be contracted to develop the ETIP using funds authorized in a prior year.

Product: Multiple copies of the published TIP, presentation materials and illustrations. TIP amendments as needed.

Transportation Planning Related Activities of Other Agencies			
Organization		Activities	
GDOT		Financial analysis, programming	
Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC

CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

**Sub-element 4.12 Transportation Improvement Program**

**ALI 44.25.00**

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Funding Source	Amount
FHWA PL	\$48,000.00
GDOT PL Match	\$0.00
Local PL Match	\$12,000.00
FTA Section 5303	\$9,268.20
GDOT 5303 Match	\$1,158.53
LOCAL 5303 Match	\$1,158.53
FHWA M230	\$0.00
Local M230	\$0.00
TOTAL FUNDS	\$71,585.26

## CORE MPO FY 2016 UPWP

### TASK # 4 Systems Planning

#### **Sub-element 4.13 Strategic Transportation Studies**

**ALI 44.24.00**

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Objective: Conduct or participate in special strategic transportation studies on an as-needed basis in response to the needs of the MPO and its transportation stakeholders. Highway, transit, bicycle, and pedestrian modes are included.

Previous Work: Initiated the Canal District Transportation Study,\* the Victory Drive Study Phases I and II, and the Savannah Parking Matters Study\* in FY 2015.

Project Description: Provide the necessary technical expertise, consultation, oversight and administrative services required to conduct special studies. Prepare detailed study documentation, technical memoranda and reports. Provide the staff support required for consultant selection and management, and review of deliverables.

Participate in various strategic planning studies as appropriate, and assist in the project review process. Develop sector plans for other emerging high growth areas. Refine and expand upon the LRTP project prioritization process to develop a project prioritization process for the TIP.

The following new studies are expected to be implemented in FY 2016 subject to funding availability:

- Victory Drive Corridor Study Phases III and IV\*: Prepare detailed implementation plans for rehabilitation of the selected character area segments.
- Montgomery Street Two-Way Traffic Study\*
- Implementation Studies as required by MAP-21 or other current transportation legislation.
- Savannah/Hilton Head Airport Transportation Master Plan\*

The following new studies were initiated in FY 2015 and will continue into FY 2016:

- Canal District Study Support Project\* –Assess transportation needs and strategies for the new arena and the surrounding Canal District.
- Victory Drive Corridor Study\* –Phase II: Prepare a detailed implementation plan for rehabilitation of individual character area.

Other Local Agencies - Assist in defining study issues and key concepts, and in providing necessary data.

Consultants: Depending upon the nature, complexity, and desired deadlines, consultants may be contracted when necessary. Consultant recruitment activities are a part of this task.

Product: Detailed study documentation, recommendations, technical memoranda and reports in support of local transportation and development policies, and the Long Range Transportation Plan.

\* Indicates MPO Member Requested Projects.



CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

**Sub-element 4.13 Strategic Transportation Studies**

**ALI 44.24.00**

Transportation Planning Related Activities of Other Agencies	
Organization	Activities

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC
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Funding Source	Amount
FHWA PL	\$51,200.00
GDOT PL Match	\$0.00
Local PL Match	\$12,800.00
FTA Section 5303	\$9,776.14
GDOT 5303 Match	\$1,222.02
LOCAL 5303 Match	\$1,222.02
FHWA M230	\$250,088.08
Local M230	\$62,522.02
<b>TOTAL FUNDS</b>	<b>\$388,830.28</b>

## CORE MPO FY 2016 UPWP

### TASK # 4 Systems Planning

#### Sub-element 4.16 Commuter Program

ALI 44.24.00

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Objective: : To increase transportation options and decrease congestion by assisting CAT as a regional mobility manager in providing an integrated package of commuter services, including carpooling, vanpooling, mass transit, bike share, bicycling, and walking to area employers and commuters.

Previous Work: : In FY 2015, CORE MPO maintained the Coastal Commuters website and ride-matching system which provides carpooling assistance for the general public and commuters, as well as the tracking of quantitative benefits accrued by individuals and employers, as a result of the individuals' decisions to carpool, walk, bicycle, or use transit, as opposed to driving alone. MPO staff continued to provide the employer networks with quarterly reports on the alternative transportation usage of their workers from the system's Commute Calendar. Activities also included maintaining the latest information on the website, such as updated maps of existing bikeways.

Also during 2015, MPO staff met with CAT and their consultants regarding the MPO's Commuter Program and CAT's Regional Mobility Management Program (amended into the CORE MPO Transportation Improvement Program in October of 2014). The staffs reviewed the "family of services" for opportunities to provide and/or coordinate a Regional Commuter Services Program that better meets the needs of the varied markets in the region, as a service delivery goal in CAT's Transportation Development Plan.

Project Description: The discretionary funds would be used to implement a pilot project offering "one-stop shop" commuter services, which will provide technology to assist commuters in choosing and using transportation options, such as carpooling, vanpooling, bike sharing, transit and to assist employers or universities in recruiting/retaining labor/students, and reducing parking demand. Monitor use of the system through the chosen technological platform. Promote awareness of brand and services among commuters through printed materials, web pages, and social media. Cooperate and coordinate activities with local advocates of alternative transportation modes. Encourage pedestrian and bicycle trips through communication to the public and to employers about facilities and services and about safe driving, walking, and bicycling behaviors.

MPC staff will coordinate with CAT and stakeholders on the pilot project. Participate in the Mobility Management Working Group. Distribute information about pedestrian and bicycle safety through website and through advocacy groups or key community contacts.

Products: Web pages for accessing commuter services, technology to support activities such as ride-matching and vanpool management, maps, bicycle and pedestrian safety communications, and other informational materials, as needed.

CORE MPO FY 2016 UPWP

TASK # 4 Systems Planning

Sub-element 4.16 Commuter Program

ALI 44.24.00

Transportation Planning Related Activities of Other Agencies	
Organization	Activities
CAT	Establish a pilot project for commuter services through an integrated mobility management program.
CAT	Coordinate with local employers on site assessment, employee commuting needs and outreach.
CAT	Monitor use of the commuter services and respond to user needs.
CAT and MPC	Promote awareness of brand, available options and services, and resulting benefits for commuters and all of the traveling public.

Target Start and End Dates	July 1, 2015 – June 30, 2016	Lead Agency	MPC, CAT
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Funding Source	Amount
FHWA PL	\$0.00
GDOT PL Match	\$0.00
Local PL Match	\$0.00
FTA Section 5303*	\$11,908.74
GDOT 5303 Match	\$1,488.59
LOCAL 5303 Match	\$1,488.59
TOTAL FUNDS	\$14,885.92

\*Includes \$8,000 (\$10,000 matched) in SFY 2016 FTA Section 5303 Discretionary Funding administered through the Georgia Department of Transportation pending final approval of FTA. This funding was applied for by CORE MPO and will enable CORE MPO to renew the ride matching software license for one year to assist CAT in assuming these services.

CORE MPO FY 2016 UPWP

CORE MPO FY 2016 UPWP PROPOSED FUNDING SOURCE BY TASK PERFORMING AGENCY mod. 4															Printed On February 1, 2016				
Funding Source	Task No.	Task Description	FHWA PL	State PL Match	Local PL Match	Total PL	FHWA M230*	LocalM230 Match*	Total M230*	FTA-SEC 5303	State 5303 Match	Local 5303 Match	Total 5303	Federal Total	State Total	MPO Match	Local Operating	Total Program	
FHWA PL, Local	1.1	Program Coordination	\$38,400.00	\$0.00	\$9,600.00	\$48,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38,400.00	\$0.00	\$9,600.00	\$0.00	\$48,000.00	
FHWA PL, FTA 5303, State, Local	1.2	Operations and Administration	\$80,800.00	\$0.00	\$20,200.00	\$101,000.00	\$0.00	\$0.00	\$0.00	\$20,757.71	\$2,594.71	\$2,594.71	\$25,947.13	\$101,557.71	\$2,594.71	\$22,794.71	\$54,642.19	\$181,589.32	
FTA 5303, State, Local	1.3	Training and Professional Development	\$8,000.00	\$0.00	\$2,000.00	\$10,000.00	\$0.00	\$0.00	\$0.00	\$6,017.91	\$752.24	\$752.24	\$7,522.39	\$14,017.91	\$752.24	\$2,752.24	\$0.00	\$17,522.39	
Local	1.4	Equipment and Supplies	\$4,000.00	\$0.00	\$1,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,000.00	\$0.00	\$1,000.00	\$0.00	\$5,000.00	
FHWA PL, FTA 5303, State, Local	1.5	Contracts and Grants	\$12,000.00	\$0.00	\$3,000.00	\$15,000.00	\$0.00	\$0.00	\$0.00	\$4,757.05	\$594.63	\$594.63	\$5,946.31	\$16,757.05	\$594.63	\$3,594.63	\$0.00	\$20,946.31	
FHWA PL, FTA 5303, State, Local	1.6	Unified Planning Work Program	\$14,400.00	\$0.00	\$3,600.00	\$18,000.00	\$0.00	\$0.00	\$0.00	\$1,969.64	\$246.21	\$246.21	\$2,462.06	\$16,369.64	\$246.21	\$3,846.21	\$0.00	\$20,462.06	
FHWA PL, FTA 5303, State, Local	2.1	Community Outreach/Education	\$8,932.02	\$0.00	\$2,233.01	\$11,165.03	\$0.00	\$0.00	\$0.00	\$7,723.83	\$965.48	\$965.48	\$9,654.79	\$16,655.85	\$965.48	\$3,198.49	\$0.00	\$20,819.82	
FTA 5303, State, Local	2.2	Environmental Justice/Title 6/Anti-Poverty	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,119.38	\$639.92	\$639.92	\$6,399.23	\$5,119.38	\$639.92	\$639.92	\$0.00	\$6,399.22	
FTA 5303, State, Local	2.3	Participation Plan	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13,680.57	\$1,710.07	\$1,710.07	\$17,100.71	\$13,680.57	\$1,710.07	\$1,710.07	\$0.00	\$17,100.71	
FHWA PL, Local	3.2	Traffic Impact Analysis	\$28,800.00	\$0.00	\$7,200.00	\$36,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28,800.00	\$0.00	\$7,200.00	\$0.00	\$36,000.00	
FHWA PL, FTA 5303, State, Local	3.6	Bicycle and Pedestrian Demand	\$4,000.00	\$0.00	\$1,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$3,908.74	\$488.59	\$488.59	\$4,885.92	\$7,908.74	\$488.59	\$1,488.59	\$0.00	\$9,885.92	
FHWA PL, M230, Local	4.1	Congestion Management/TMC	\$19,200.00	\$0.00	\$4,800.00	\$24,000.00	\$45,470.24	\$11,367.56	\$56,837.80	\$0.00	\$0.00	\$0.00	\$0.00	\$64,670.24	\$0.00	\$16,167.56	\$0.00	\$80,837.80	
FHWA M230, FTA 5303, State, Local	4.2	Transit / Paratransit Planning	\$0.00	\$0.00	\$0.00	\$0.00	\$133,980.53	\$33,495.13	\$167,475.66	\$33,284.72	\$4,160.59	\$4,160.59	\$41,605.90	\$167,265.25	\$4,160.59	\$37,655.72	\$0.00	\$209,081.56	
FHWA PL, M230, FTA 5303, State, Local	4.5	Road Diet Feasibility Study	\$4,800.00	\$0.00	\$1,200.00	\$6,000.00	\$31,829.10	\$7,957.27	\$39,786.37	\$1,954.37	\$244.30	\$244.30	\$2,442.97	\$38,583.47	\$244.30	\$9,401.57	\$0.00	\$48,229.34	
FHWA PL, FHWA M230, Local	4.6	Model Development and Applications	\$2,800.00	\$0.00	\$700.00	\$3,500.00	\$136,409.82	\$34,102.46	\$170,512.28	\$0.00	\$0.00	\$0.00	\$0.00	\$139,209.82	\$0.00	\$34,802.46	\$0.00	\$174,012.28	
FHWA PL, Local	4.10	Freight Planning	\$20,800.00	\$0.00	\$5,200.00	\$26,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20,800.00	\$0.00	\$5,200.00	\$0.00	\$26,000.00	
FHWA PL, Local	4.11	Long Range Plan	\$24,000.00	\$0.00	\$6,000.00	\$30,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24,000.00	\$0.00	\$6,000.00	\$0.00	\$30,000.00	
FHWA PL, FTA 5303, State, Local	4.12	Transportation Improvement Program	\$48,000.00	\$0.00	\$12,000.00	\$60,000.00	\$0.00	\$0.00	\$0.00	\$9,268.20	\$1,158.53	\$1,158.53	\$11,585.26	\$57,268.20	\$1,158.53	\$13,158.53	\$0.00	\$71,585.26	
FHWA PL, M230, FTA 5303, State, Local	4.13	Strategic Planning Studies	\$51,200.00	\$0.00	\$12,800.00	\$64,000.00	\$250,088.08	\$62,522.02	\$312,610.10	\$9,776.14	\$1,222.02	\$1,222.02	\$12,220.18	\$311,064.22	\$1,222.02	\$76,544.04	\$0.00	\$388,830.28	
FTA 5303, State, Local	4.16	Commuter Program	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,908.74	\$1,488.59	\$1,488.59	\$14,885.92	\$11,908.74	\$1,488.59	\$1,488.59	\$0.00	\$14,885.92	
<b>Grand Total</b>			\$370,132.02	\$0.00	\$92,533.01	\$462,665.03	\$597,777.77	\$149,444.44	\$747,222.21	\$130,127.00	\$16,265.88	\$16,265.88	\$162,658.77	\$1,098,036.79	\$16,265.88	\$258,243.33	\$54,642.19	\$1,427,188.19	

\*Eligible Projects (23 USC Section 133 (b))— A State may obligate funds apportioned to it under section 104 (b)(2) for the surface transportation program only for the following:

- (1) Construction, reconstruction, rehabilitation, resurfacing, restoration, preservation, or operational improvements for highways, including construction of designated routes of the Appalachian development highway system and local access roads under section 14501 of title 40.
- (2) Replacement (including replacement with fill material), rehabilitation, preservation, protection (including painting, scour countermeasures, seismic retrofits, impact protection measures, security countermeasures, and protection against extreme events) and application of calcium magnesium acetate, sodium acetate/formate, or other environmentally acceptable, minimally corrosive anti-icing and deicing compositions for bridges (and approaches to bridges and other elevated structures) and tunnels on public roads of all functional classifications, including any such construction or reconstruction necessary to accommodate other transportation modes.
- (3) Construction of a new bridge or tunnel at a new location on a Federal-aid highway.
- (4) Inspection and evaluation of bridges and tunnels and training of bridge and tunnel inspectors (as defined in section 144), and inspection and evaluation of other highway assets (including signs, retaining walls, and drainage structures).
- (5) Capital costs for transit projects eligible for assistance under chapter 53 of title 49, including vehicles and facilities, whether publicly or privately owned, that are used to provide intercity passenger service by bus.
- (6) Carpool projects, fringe and corridor parking facilities and programs, including electric vehicle and natural gas vehicle infrastructure in accordance with section 137, bicycle transportation and pedestrian walkways in accordance with section 217, and the modifications of public sidewalks to comply with the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.).
- (7) Highway and transit safety infrastructure improvements and programs, installation of safety barriers and nets on bridges, hazard eliminations, projects to mitigate hazards caused by wildlife, and railway-highway grade crossings.
- (8) Highway and transit research and development and technology transfer programs.
- (9) Capital and operating costs for traffic monitoring, management, and control facilities and programs, including advanced truck stop electrification systems.
- (10) Surface transportation planning programs.
- (11) Transportation alternatives.

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- (12) Transportation control measures listed in section 108 (f)(1)(A) (other than clause (xvi)) of the Clean Air Act (42 U.S.C. 7408 (f)(1)(A)).
- (13) Development and establishment of management systems <sup>(1)</sup>
- (14) Environmental mitigation efforts relating to projects funded under this title in the same manner and to the same extent as such activities are eligible under section 119 (g).
- (15) Projects relating to intersections that—
  - (A) have disproportionately high accident rates;
  - (B) have high levels of congestion, as evidenced by—
    - (i) interrupted traffic flow at the intersection; and
    - (ii) a level of service rating that is not better than “F” during peak travel hours, calculated in accordance with the Highway Capacity Manual issued by the Transportation Research Board; and
  - (C) are located on a Federal-aid highway.
- (16) Infrastructure-based intelligent transportation systems capital improvements.
- (17) Environmental restoration and pollution abatement in accordance with section 328.
- (18) Control of noxious weeds and aquatic noxious weeds and establishment of native species in accordance with section 329.
- (19) Projects and strategies designed to support congestion pricing, including electric toll collection and travel demand management strategies and programs.
- (20) Recreational trails projects eligible for funding under section 206.
- (21) Construction of ferry boats and ferry terminal facilities eligible for funding under section 129 (c).
- (22) Border infrastructure projects eligible for funding under section 1303 of the SAFETEA-LU (23 U.S.C. 101 note; Public Law 109–59).
- (23) Truck parking facilities eligible for funding under section 1401 of the MAP–21.
- (24) Development and implementation of a State asset management plan for the National Highway System in accordance with section 119, including data collection, maintenance, and integration and the costs associated with obtaining, updating, and licensing software and equipment required for risk based asset management and performance based management, and for similar activities related to the development and implementation of a performance based management program for other public roads.
- (25) A project that, if located within the boundaries of a port terminal, includes only such surface transportation infrastructure modifications as are necessary to facilitate direct intermodal interchange, transfer, and access into and out of the port.
- (26) Construction and operational improvements for any minor collector if—
  - (A) the minor collector, and the project to be carried out with respect to the minor collector, are in the same corridor as, and in proximity to, a Federal-aid highway designated as part of the National Highway System;
  - (B) the construction or improvements will enhance the level of service on the Federal-aid highway described in subparagraph (A) and improve regional traffic flow; and
  - (C) the construction or improvements are more cost-effective, as determined by a benefit-cost analysis, than an improvement to the Federal-aid highway described in subparagraph (A).

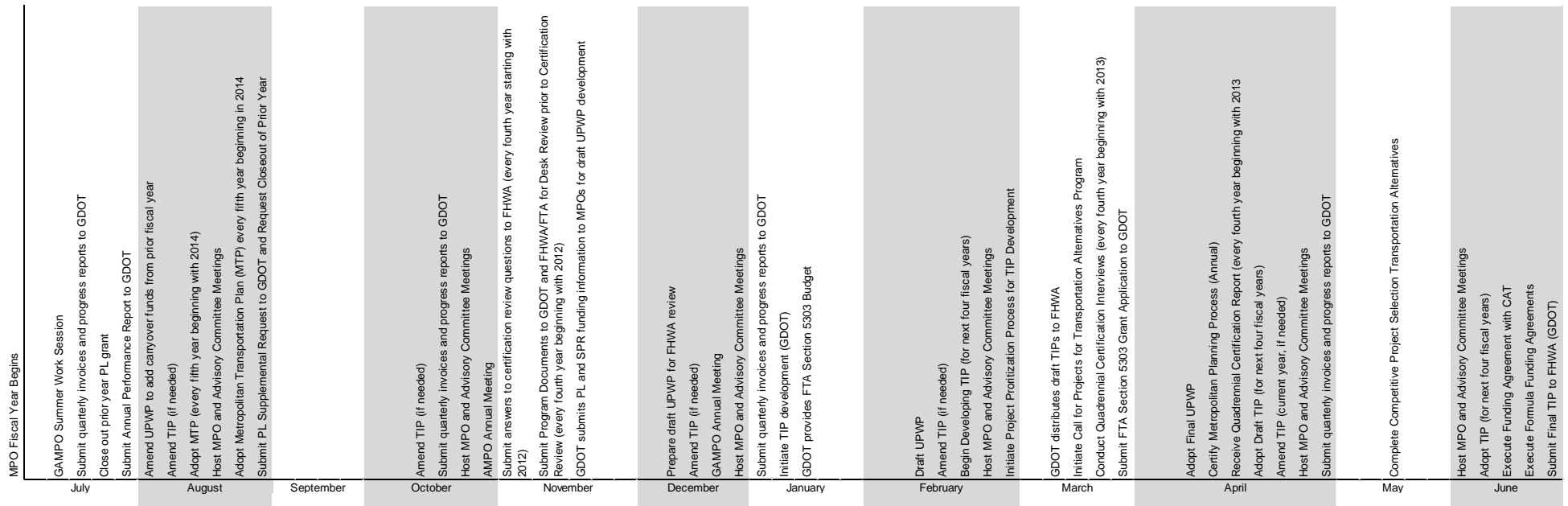
# Appendices



# Appendix A

## Generalized Annual Timeline of Key Planning Deliverables and Milestones

Generalized Annual Timeline of Key Planning Deliverables and Milestones



Shading indicates months when the CORE MPO Board meets

Schedule information is an estimate only and may vary depending upon availability of necessary project and financial data, or other factors



# Appendix B

## FHWA/FTA 2015-2016 Planning Emphasis Areas Letter



U.S. Department  
of Transportation  
Federal Highway  
Administration

Office of the Administrator  
April 23, 2014

1200 New Jersey Ave., SE  
Washington, D.C. 20590

Federal Transit  
Administration

In Reply Refer To:  
HEPP-1  
TPE-1

Attention: Executive Directors of Metropolitan Planning Organizations

With the renewed focus on transportation planning brought about by the MAP-21, Transportation Secretary Foxx, and the pending issuance of proposed transportation planning regulations, Federal Highway Administration (FHWA) and Federal Transit Administration's (FTA) Offices of Planning are jointly issuing Planning Emphasis Areas (PEAs). The PEAs are planning topical areas that we want to place emphasis on as the Metropolitan Planning Organizations (MPOs) and the State DOTs develop their respective planning work programs. We are asking our FHWA and FTA field offices to meet with their MPO and State DOT counterparts to discuss these emphasis areas and encourage the MPOs and the States to develop and identify work tasks associated with the planning emphasis areas for inclusion in their upcoming unified planning work programs and statewide planning and research work programs for Federal FY-2015. The planning emphasis areas for Federal FY-2015 include:

### ***MAP-21 Implementation***

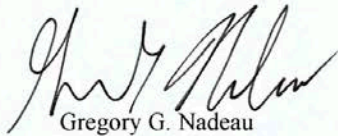
- *Transition to Performance Based Planning and Programming.* The development and implementation of a performance management approach to transportation planning and programming that supports the achievement of transportation system performance outcomes.

### ***Models of Regional Planning Cooperation***

- *Promote cooperation and coordination across MPO boundaries and across State boundaries where appropriate to ensure a regional approach to transportation planning.* This is particularly important where more than one MPO or State serves an urbanized area or adjacent urbanized areas. This cooperation could occur through the metropolitan planning agreements that identify how the planning process and planning products will be coordinated, through the development of joint planning products, and/or by other locally determined means. Coordination across MPO and across State boundaries includes the coordination of transportation plans and programs, corridor studies, and projects across adjacent MPO and State boundaries. It also includes collaboration among State DOT(s), MPOs, and operators of public transportation on activities such as: data collection, data storage and analysis, analytical tools, and performance based planning.

***Ladders of Opportunity***

- *Access to essential services - as part of the transportation planning process, identify transportation connectivity gaps in access to essential services.* Essential services include housing, employment, health care, schools/education, and recreation. This emphasis area could include MPO and State identification of performance measures and analytical methods to measure the transportation system's connectivity to essential services and the use of this information to identify gaps in transportation system connectivity that preclude access of the public, including traditionally underserved populations, to essential services. It could also involve the identification of solutions to address those gaps.



Gregory G. Nadeau  
Deputy Administrator  
Federal Highway Administration

Sincerely yours,



Therese W. McMillan  
Deputy Administrator  
Federal Transit Administration



# Appendix C

## FHWA/FTA FY 2016 Planning Emphasis Areas Letter



U.S. Department  
of Transportation

Federal Highway  
Administration  
Federal Transit  
Administration

1200 New Jersey Avenue, SE.  
Washington, DC 20590

March 18, 2015

In Reply Refer To: HEPP-1/TPE-1

Attention: Executive Directors of Metropolitan Planning Organizations

In 2014, the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) sent a letter to the Executive Directors of the Metropolitan Planning Organizations (MPO) and the heads of the State Departments of Transportation (State DOT) encouraging you to give priority to the following emphasis areas in your updated unified planning work programs (UPWP) and statewide planning and research programs: MAP-21 Implementation, Regional Models of Cooperation, and Ladders of Opportunity. These three priorities are included in Secretary Foxx's strategic objectives for the Surface Transportation Program. We are requesting State DOTs and MPOs reiterate and emphasize these planning emphasis areas in their respective planning work programs for Fiscal Year 2016. We are also directing our FHWA and FTA field offices to continue to work with you and your organizations to identify tasks that advance these U.S. Department of Transportation priorities.

### ***MAP-21 Implementation***

*Transition to Performance-based Planning and Programming* – We encourage State DOTs and MPOs to further develop their performance management approach to transportation planning and programming. Performance-based planning and programming includes using transportation performance measures, setting targets, reporting performance, and programming transportation investments directed toward the achievement of transportation system performance outcomes. Appropriate UPWP work tasks could include working with local planning partners to identify how to implement performance-based planning provisions such as collecting performance data, selecting and reporting performance targets for the metropolitan area, and reporting actual system performance related to those targets. The MPOs might also explore the option to use scenario planning to develop their metropolitan transportation plan. We encourage you to use the following resources to help develop your approach: *Performance Based Planning and Programming Guidebook*; *Model Long Range Transportation Plans Guidebook* and *Small Metropolitan Areas: Performance Based Planning*.

### ***Regional Models of Cooperation***

*Ensure a Regional Approach to Transportation Planning by Promoting Cooperation and Coordination across Transit Agency, MPO and State Boundaries* – To improve the effectiveness of transportation decisionmaking, we encourage State DOTs, MPOs, and providers of public transportation to think beyond traditional borders and adopt a coordinated approach to transportation planning. A coordinated approach supports common goals and capitalizes on opportunities related to project delivery, congestion management, safety, freight, livability, and

commerce across boundaries. Improved multi-jurisdictional coordination by State DOTs, MPOs, providers of public transportation, and rural planning organizations (RPO) can reduce project delivery times and enhance the efficient use of resources, particularly in urbanized areas that are served by multiple MPOs. The MPOs can revisit their metropolitan area planning agreements to ensure that there are effective processes for cross-jurisdictional communication among State DOTs, MPOs, and providers of public transportation to improve collaboration, policy implementation, technology use, and performance management. State DOTs and MPOs can explore the opportunity to partner with RPOs to conduct transportation planning in nonmetropolitan areas. We encourage you to visit FHWA's [Regional Models of Cooperation](#) and [Every Day Counts Initiative](#) Webpages for more information.

### ***Ladders of Opportunity***

*Access to Essential Services* – We encourage State DOTs, MPOs, and providers of public transportation, as part of the transportation planning process, to identify transportation connectivity gaps in accessing essential services. Essential services include employment, health care, schools/education, and recreation. Suggested UPWP work tasks include developing and implementing analytical methods to identify gaps in the connectivity of the transportation system and developing infrastructure and operational solutions that provide the public, especially the traditionally underserved populations, with adequate access to essential services. Other effective work tasks could include: evaluating the effectiveness of public participation plans for engaging transportation disadvantaged communities in the transportation decisionmaking process; updating the Section 5310 Coordinated Human Service Public Transportation Plans; assessing the safety and condition of pedestrian and bicycle facilities; and evaluating compliance with Americans with Disabilities Act, particularly around schools, concentrations of disadvantaged populations, social services, medical, and transit facilities.

Sincerely yours,



Gregory G. Nadeau  
Deputy Administrator  
Federal Highway Administration



Therese W. McMillan  
Acting Administrator  
Federal Transit Administration