



Memphis Urban Area Metropolitan Planning Organization (MPO)

Transportation Policy Board

Thursday, July 25, 2019 1:30 PM

UT Health Science Center – Student Alumni Building
800 Madison Avenue - Memphis, Tennessee

Note: Please fill out a comment card and return it to an MPO staff member located at the Sign-In Table to be given the opportunity to speak on any of the agenda items. Comment cards must be returned before the agenda item is brought to the floor. You will be given up to two minutes to provide your comments.

- 1) **Call to Order**
- 2) **Approval of May 16, 2019 Minutes** ← ACTION
- 3) **Memphis MPO's Administrator's Report**
- 4) **Approval of FY 2020-21 Unified Planning Work Program (UPWP)** ← ACTION
- 5) **Livability 2050 Regional Transportation Plan (RTP) & FY 2020-23 Transportation Improvement Program (TIP) Update** ← PRESENTATION
- 6) **Other Business**
 - a) Next Scheduled TPB Meeting: September 12, 2019 1:30 pm, Location: UT Health Science Center
- 7) **Adjourn**



**Memphis Urban Area Metropolitan Planning Organization (MPO)
Transportation Policy Board (TPB)**

Thursday, May 16, 2019 1:30 PM

UT Health Science Center – Student Alumni Building
800 Madison Avenue - Memphis, Tennessee

SUMMARY OF MINUTES

Mayor Jim Strickland called the meeting to order at 1:38 PM. In addition to Mayor Strickland, the following voting members were present at the meeting:

Tom Needham	<i>Shelby County</i>	Mayor A. Keith McDonald	<i>Bartlett</i>
Gary Scruggs	<i>TDOT</i>	Kwabena Aboagye	<i>TDOT/Rep. Gov.</i>
Evan Wright	<i>MDOT</i>	Jim Flanagan	<i>MDOT/Rep. Gov.</i>
James Hay	<i>MSCAA</i>	John Trusty	<i>Millington</i>
Bennie Hopkins	<i>DeSoto County</i>	Keith Briley	<i>Hernando</i>
B J Page	<i>Olive Branch</i>	Steve Hill	<i>Arlington</i>
Christopher Pate	<i>Oakland</i>	Harvey Matheny	<i>Piperton</i>
Frank McPhail	<i>Collierville</i>	Whitney Choat	<i>Southaven</i>
Tim Gwaltney	<i>Germantown</i>	John Lancaster	<i>MATA</i>
Forrest Owens	<i>Lakeland</i>	Randy Richardson	<i>Port Commission</i>
Willie Davidson	<i>Horn Lake</i>		

The following Ex-officio members were present:

Elizabeth Watkins	<i>FHWA-TN</i>	Bobby Williams	West Memphis MPO
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The following Interested Individuals were present:

Antoine Hawkins	<i>TDOT</i>	Spencer Robinson	<i>MDOT</i>
Jennifer Marshall	<i>TDOT</i>	Ross Buckler	<i>MDOT</i>
Meghan Wilson	<i>TDOT</i>	Kenneth Monroe	<i>Kimley-Horn</i>
Nate Brugler	<i>TDOT</i>	Dennis Lynch	<i>Sierra Club</i>
Suzanne Carlson	<i>Innovate Memphis</i>	Allison Donald	<i>MCIL</i>
Tim Wheat	<i>MCIL</i>	James Collins	<i>Kimley-Horn</i>
Jared Darby	<i>SC Office of Resilience</i>	Douglas Dietz	<i>Ensafe</i>
Dana Sjostrom	<i>SC Office of Resilience</i>	Brian Copeland	<i>MDOT</i>
Darren Sanders	<i>Shelby County</i>	Emmanuel Tuombe	<i>ABES Engineering</i>
Manny Belen	<i>Memphis</i>	Sonja Owens	<i>SCHD</i>
Vivian Ekstrom	<i>Office of Sustainability</i>		

The following MPO Staff members were present:

Pragati Srivastava	Mavrick Fitzgerald	Kate Horton	Connie Jordan
Sajid Hossain	Jordan Smith	Nick Warren	Zylavian Watley

A quorum was present.

TPB Item: 2

Memphis Urban Area Metropolitan Planning Organization (MPO)

Transportation Policy Board (TPB)

Thursday, May 16, 2019 1:30 PM

UT Health Science Center – Student Alumni Building

800 Madison Avenue - Memphis, Tennessee

1) Call to Order @ 1:38 PM

Mayor Jim Strickland called the meeting to order at 1:38 PM.

2) Approval of November 15, 2018 Minutes

Mr. B J Page moved to approve the minutes as presented; Mr. Randy Richardson seconded the motion and the motion carried without dissent.

NO DISCUSSION/QUESTIONS

3) Memphis MPO's Administrator's Report

Ms. Pragati Srivastava gave an overview of the following items:

a) MPO Unobligated Balance (TN) - Update

NO DISCUSSION/QUESTIONS

4) Memphis Urban Area MPO TDOT, MDOT, and Mata Transportation Planning Agreement

Ms. Srivastava provided an overview of the proposed update to the Transportation Planning Agreement between the Memphis MPO, TDOT, MDOT, and MATA for coordination of transportation planning activities, as required by 23 CFR 450.

Mr. B J page moved to approve the Transportation Planning Agreement as presented; Mayor A. Keith McDonald seconded the motion and the motion carried without dissent.

NO DISCUSSION/QUESTIONS

5) FY 2020-23 Transportation Improvement Program (TIP) Project Approval List

Ms. Srivastava provided an overview of the proposed fiscally constrained list of projects for the development of the FY 2020-23 TIP. This includes projects managed by TDOT, MDOT, MATA and Local Tennessee and Mississippi jurisdictions.

Mayor A. Keith McDonald moved to approve the TIP Project List as presented; Mr. Keith Briley seconded the motion and the motion carried without dissent.

DISCUSSION/QUESTIONS

Ms. Suzanne Carlson, citizen, commented on the City of Memphis not receiving fair share of projects on the FY 2020-23 TIP project list for approval.

Mr. Dennis Lynch, Sierra Club, commented in support of some of the projects on the FY 2020-23 TIP project, but not all. Mr. Lynch commented that climate change is happening and that the economic strength of Memphis is important to the region. A copy of Mr. Lynch's comments, as submitted, are included within the minutes.

In response, Mayor McDonald commented that there is structured application process and the engineers representing all of the jurisdictions, review the project list before taking it to the meetings for approval. He also

TPB Item: 2

added that local match is an issue that impacts the implementation of the projects resulting in the large balance of unobligated funds.

Ms. Srivastava commented it is a priority that all projects continue to move forward to reduce the unobligated balance.

6) FY 2017-20 Transportation Improvement Program (TIP) Amendment

Ms. Srivastava provided an overview of the following amendment:

i. TIP Amendment MS-BUILD-2019-01: Holly Springs Road

Desoto County, Mississippi is requesting to amend the FY 2017-20 TIP by adding the Holly Springs Road project, which was selected by USDOT under the 2018 Better Utilizing Investments to Leverage Development (BUILD) grant. The amendment will add \$13,000,000 in BUILD grant funds to FY 2019, along with \$2,305,069 in additional federal and state funds and \$15,121,931 in local match.

Mr. Bennie Hopkins moved to approve the TIP amendment as presented; Mr. B J Page seconded the motion and the motion carried without dissent.

NO DISCUSSION/QUESTIONS

7) Mid-South Regional Resilience Master Plan

Mr. Jared Darby and Mr. Chris Horne gave a presentation on the Mid-South Resilience Master Plan.

NO DISCUSSION/QUESTIONS

8) Other Business

i. Next Scheduled TPB Meeting: July 25th, 2019 at 1:30 pm, Location: UT Science Center

NO DISCUSSION/QUESTIONS

9) Adjourn @ 2:04 pm

Mayor McDonald moved to adjourn; Mr. Keith Briley seconded the motion, and the meeting was adjourned at 2:04 PM.

Note: *The meeting minutes are a summary of the meeting. If you would like to review the tape recording of the entire meeting you may do so by scheduling an appointment with Kate Horton, Transportation Planner at (901) 636-7218.*

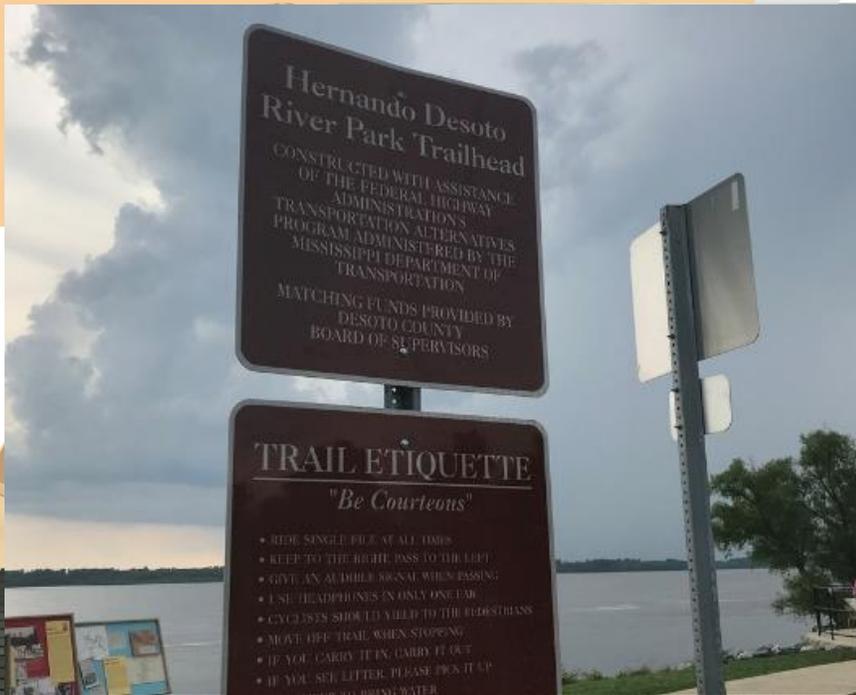
Memphis Urban Area Metropolitan Planning Organization

Unified Planning Work Program (UPWP)

Fiscal Years FY 2020-21

Federal Project # SPR-PL1(355)

(Programa de Trabajo de Planificación Unificada (UPWP) de Años
Fiscales 2020-2021 de la Memphis MPO)



This document is available in accessible formats when requested ten (10) calendar days in advance.

This document was prepared and published by the Memphis Urban Area Metropolitan Planning Organization (MPO) and is prepared in cooperation with and financial assistance from the following public entities: the Federal Transit Administration (FTA), the Federal Highway Administration (FHWA), the Tennessee Department of Transportation (TDOT), the Mississippi Department of Transportation (MDOT), as well as the City of Memphis, Shelby County, Tennessee and DeSoto County, Mississippi. This financial assistance notwithstanding, the contents of this document do not necessarily reflect the official view or policies of the funding agencies.

It is the policy of the Memphis MPO not to exclude, deny, or discriminate on the basis of race, color, national origin, ethnicity, immigration status, sex, gender, gender identity and expression, sexual orientation, age, religion, veteran status, familial or marital status, disability, medical or genetic condition, or any other characteristic protected under applicable federal or state law in its hiring or employment practices, or in its admission to, access to, or operations of its programs, services, or activities.

All inquiries for Title VI and/or the American with Disabilities Act, contact Alvan-Bidal Sanchez at 901-636-7156 or Alvan.Sanchez@memphistn.gov.

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INTRODUCTION

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RESOLUTION

INTRODUCTION

ACRONYMS

ARDOT	Arkansas Department of Transportation
APTS	Advanced Public Transportation Systems
AQ	Air Quality
AVL	Automatic Vehicle Location
ATAC	Active Transportation Advisory Committee
BPP	Bicycle and Pedestrian Plan
CFR	Code of Federal Regulations
CPT-HSTP	Coordinated Public Transit - Human Services Transportation Plan
CMAQ	Congestion Mitigation & Air Quality Improvement Program
CMP	Congestion Management Process
COOP	Continuity of Operations Plan
DOT	Department of Transportation
DPD	Memphis and Shelby County Division of Planning and Development
DRS	Memphis and Shelby County Department of Regional Services
EIS	Environmental Impact Study
EPA	U.S. Environmental Protection Agency
ETC	Engineering and Technical Committee
eTIP	Electronic Transportation Improvement Program
FHWA	Federal Highway Administration
FAC	Freight Advisory Committee
FAST	Fixing America's Surface Transportation Act
FTA	Federal Transit Administration
FY	Federal Fiscal Year (October 1-September 30)
GIS	Geographic Information Systems
IAC	Interagency Consultation (Air Quality)
ITS	Intelligent Transportation Systems
MATA	Memphis Area Transit Authority
MDEQ	Mississippi Department of Environmental Quality
MDOT	Mississippi Department of Transportation
MSCPC	Memphis and Shelby County Port Commission
MSCAA	Memphis and Shelby County Airport Authority
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
PL	Metropolitan Planning Funds (FHWA)
PLAC	Planning and Land Use Advisory Committee
PPP	Public Participation Plan
RPO	Rural Planning Organization
RTP	Regional Transportation Plan
SCHD	Shelby County Health Department
SIP	State Implementation Plan (Air Quality)
SPR	State Planning and Research funds
STIP	Statewide Transportation Improvement Program
TA	Transportation Alternatives
TAZ	Traffic Analysis Zone
TDEC	Tennessee Department of Environment and Conservation
TDM	Travel Demand Model

ACRONYMS

TDOT	Tennessee Department of Transportation
TIM	Traffic Incident Management
TIP	Transportation Improvement Program
Title VI	Title VI of the U.S. Civil Rights Act of 1964, as amended
TPB	Memphis MPO Transportation Policy Board
TPR	Transportation Planning Reports
TRIMS	Tennessee Roadway Information Management System
UPWP	Unified Planning Work Program
UROP	Urban Operating Assistance Program

INTRODUCTION

THE MEMPHIS URBAN AREA METROPOLITAN PLANNING ORGANIZATION

The Memphis Urban Area Metropolitan Planning Organization (Memphis MPO) was created in 1977 and has the lead responsibility to ensure that the transportation planning process is being carried out in accordance with federal and state regulations. Federal regulations require that an MPO be designated to carry out a comprehensive, continuing and cooperative transportation planning process for urbanized areas (as defined by the U.S. Bureau of Census) with a population of 50,000 or more.

The MPO boundary includes all of Shelby County and a portion of western Fayette County in Tennessee. The boundary also includes all of DeSoto County and a portion of western Marshall County in Mississippi (Figure 1). The most recent boundary expansion was approved by the Transportation Policy Board (TPB) in November 2013 and later approved by the Governors of both Mississippi and Tennessee in January 2014.

The Memphis and Shelby County Department of Regional Services (DRS) serves as staff for the Memphis MPO under the direction of the MPO's Transportation Policy Board (TPB). The Memphis MPO also has five advisory committees namely, Engineering and Technical Committee (ETC), Active Transportation Advisory Committee (ATAC), Interagency Consultation Committee (IAC), Freight Advisory Committee (FAC), and the Planning and Land Use Advisory Committee (PLAC). The organizational chart that follows shows the role of the different federal, state, regional and local agencies in the Memphis MPO's planning process (Figure 2).

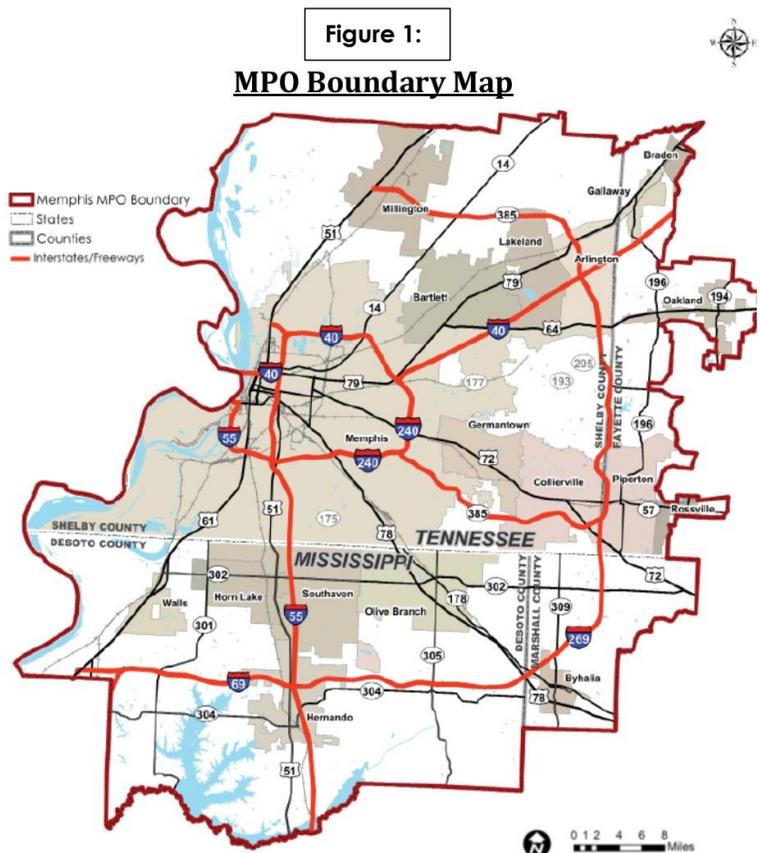
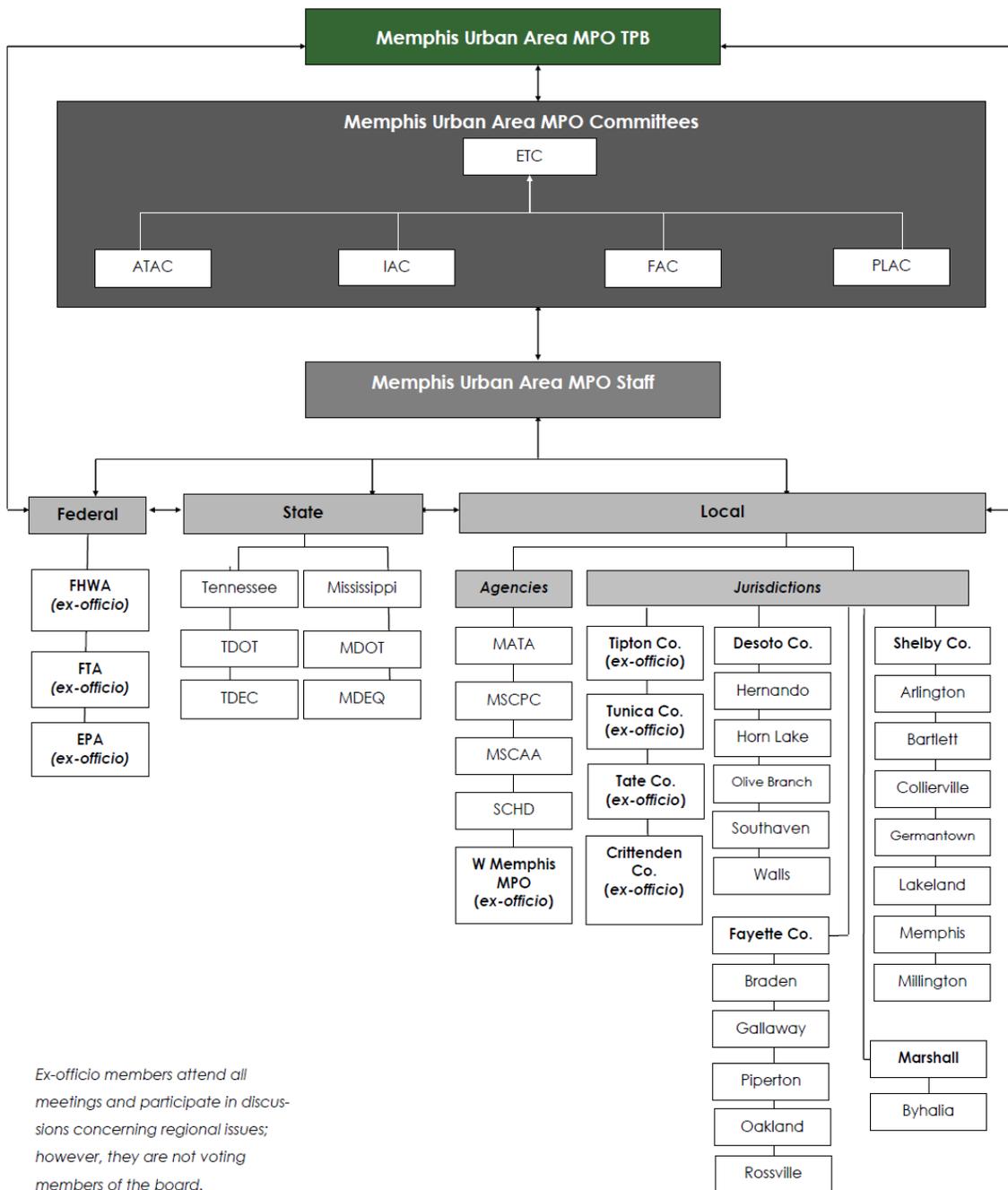


Figure 2: MEMPHIS MPO ORGANIZATIONAL CHART



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Section II: About the UPWP

THE UNIFIED PLANNING WORK PROGRAM

The Unified Planning Work Program (UPWP) outlines transportation planning priorities and work tasks that will be performed by TDOT, MDOT, MATA, and the Memphis MPO within the Memphis MPO planning area for Fiscal Years 2020-21 (FY 2020-21). The Fiscal Years 2020-21 is based on the federal fiscal year, beginning on October 1, 2019, and ending September 30, 2021.

Preparation of the UPWP is required by the federal transportation legislation. The latest federal transportation legislation is the Fixing America's Surface Transportation Act (FAST Act), which was signed into law on December 4, 2015. The UPWP is also a requirement of the Metropolitan Planning Code of Federal Regulations (23CFR 450.308) of the United States Department of Transportation. The UPWP must present a continuing, cooperative, and comprehensive (the "3C") approach to transportation planning activities. The UPWP is prepared with cooperation and guidance from federal, state, and local agencies, as well as state & public transportation operators. The various funding sources which will be used for Transportation Planning tasks in the MPO Planning area.

The UPWP is one of four key documents the Memphis MPO is required to develop and maintain for its planning area. The other key documents are the Regional Transportation Plan (RTP), Transportation Improvement Program (TIP), and Public Participation Plan (PPP).

REGIONAL PLANNING GOALS AND OBJECTIVES

The Memphis Urban Area MPO is committed to the advancement of the federal planning priorities and initiatives, the activities listed in the UPWP are also driven by a set of regional goals and objectives identified through public and stakeholder involvement in the development of the RTP.

The planning activities in the work planning program provide data collection, research, and analysis that is used to develop and evaluate policies, projects, and programs to keep consistency with obtaining the goals and objectives.

PLANNING THEMES	REGIONAL GOALS	REGIONAL OBJECTIVES EXAMPLES
<p>Connection and Choices</p>	<p>Goal 1: Improve multimodal access to residential, community, and employment resources</p> <p>Goal 2: Support a fully integrated multimodal network that advances the concept of complete streets</p>	<ul style="list-style-type: none"> • Improve bicycle and pedestrian access to educational, health, and recreational opportunities • Support complete streets implementation
<p>Economic Vitality</p>	<p>Goal 3: Ensure the region is well positioned to remain a leader in global logistics and freight movement.</p> <p>Goal 4: Enhance travel and tourism</p>	<ul style="list-style-type: none"> • Include the economic development benefits associated with travel and tourism when prioritizing transportation projects
<p>Safety and Security</p>	<p>Goal 5: Increase the safety and security of the transportation system for all users</p>	<ul style="list-style-type: none"> • Support projects that address an existing, identified safety or security need • Continue coordination with TDOT and MDOT to meet federal safety performance targets
<p>Sustainable Growth</p>	<p>Goal 6: Advance corridor and community redevelopment opportunities to improve economic development, public health, and quality of life</p> <p>Goal 7: Minimize adverse impacts of transportation investment on the (social, natural, historic) environment</p> <p>Goal 8: Reduce travel delay for people and goods</p>	<ul style="list-style-type: none"> • Encourage context sensitive solutions derived from integrated transportation/land use planning efforts • Improve system operations through technology applications
<p>System Preservation</p>	<p>Goal 9: Maintain existing transportation assets and infrastructure</p>	<ul style="list-style-type: none"> • Maintain existing assets as a priority, before system expansion is considered

PLANNING FACTORS

The 23 CFR 450.306 specifies ten (10) planning factors that must be considered in developing transportation plans, including the consideration and implementation of projects, strategies, and services. They are:

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.
 - o **MPO Tasks:** RTP, TIP, Freight Planning
2. Increase the safety of the transportation system for motorized and non-motorized users;
 - o **MPO Tasks:** RTP, TIP, Transportation Alternatives (TA), Bicycle & Pedestrian Plan
3. Increase the security of the transportation system for motorized and non-motorized users;
 - o **MPO Tasks:** RTP, TIP, ITS
4. Increase accessibility and mobility options available to people and for freight;
 - o **MPO Tasks:** Coordinated Public Transit -Human Services Transportation Plan (CPT-HSTP), Bicycle & Pedestrian Plan, RTP, TIP, Freight Planning
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;
 - o **MPO Tasks:** RTP, TIP, CMAQ Projects, IAC
6. Enhance the integration and connectivity of the transportation system - across and between modes - for people and for freight;
 - o **MPO Tasks:** Bicycle & Pedestrian Plan, RTP, TIP, Freight Planning, Corridor Studies
7. Promote efficient system management and operation, including planning for operations;
 - o **MPO Tasks:** Congestion Management Process (CMP), Intelligent Transportation Systems(ITS)
8. Emphasize preservation of the existing transportation system;
 - o **MPO Tasks:** RTP, TIP
9. Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation; and
 - o **MPO Tasks:** RTP, TIP, ITS, Regional Resilience Plan, TIM
10. Enhance travel and tourism.
 - o **MPO Tasks:** RTP, TIP

ABOUT THE UPWP

PARTNERS IN THE DEVELOPMENT OF THE UPWP

A number of federal, state, regional, and local agencies and jurisdictions were involved in the development of the FY 2020-21 UPWP. They include:

- Federal Highway Administration (FHWA)
- Federal Transit Administration (FTA)
- U.S. Environmental Protection Agency (EPA)
- Tennessee Department of Transportation (TDOT)
- Mississippi Department of Transportation (MDOT)
- Shelby County Government
- Fayette County Government
- DeSoto County Government
- Marshall County Government
- DeSoto County Planning Commission
- Local incorporated jurisdictions (Arlington, Bartlett, Braden, Byhalia, Collierville, Gallaway, Germantown, Hernando, Horn Lake, Lakeland, Memphis, Millington, Oakland, Olive Branch, Piperton, Rossville, Southaven, and Walls)
- Memphis and Shelby County Division of Planning and Development
- Memphis and Shelby County Department of Regional Services
- Shelby County Health Department
- Memphis and Shelby County Airport Authority
- Memphis and Shelby County Port Commission
- Memphis Area Transit Authority (MATA)
- West Memphis Metropolitan Planning Organization

UPWP DEVELOPMENT PROCESS

On an ongoing basis, the Memphis Urban Area MPO collaborates with federal, state, local agencies & public transportation operators to ensure coordination for regional transportation plans and programs.

Beginning of the new calendar year, the MPO requests TDOT, MDOT and MATA to submit transportation related planning activities and study proposals that will be carried out in the upcoming fiscal years. This information is used in the development of the project list that is shared with the ETC and TPB before used for the development of the UPWP.

PUBLIC PARTICIPATION

The public is invited and encouraged to participate in all phases of the MPO's planning process. Guidelines for public participation actions are listed in the MPO's Public Participation Plan (PPP), which is available on the MPO website at www.memphismpo.org or at the MPO offices. Efforts to encourage public involvement include:

- Publication of notices of public meetings in the local, metropolitan daily newspaper, The Commercial Appeal, as well as several geographically and ethnically service-oriented newspapers such as The DeSoto Times, Fayette County Review, The Tri-State Defender, and La Prensa Latina;

ABOUT THE UPWP

- Notification is given at least ten (10) calendar days prior to public meetings (including all board and committee meetings). For items requiring public hearings before the Transportation Policy Board, a ten (10), thirty (30) or forty-five (45) day public notice/public comment period is advertised in a similar manner. Notification of public meetings is also provided at the MPO website at www.memphismpo.org;
- Publication of key documents and/or executive summaries in the English and Spanish languages;
- Distribution of key documents to designated branches of the Memphis and Shelby County Public Library and Information System and the library systems in DeSoto County, Marshall County and Fayette County;
- Inclusion of key documents on the MPO website at www.memphismpo.org;
- A quarterly newsletter is produced and distributed with information about public participation transportation planning updates; recent newsletters can be found on the MPO website at www.memphismpo.org. The public is encouraged to join our contact list to receive the newsletter by email at <http://www.memphismpo.org/get-involved/contact>
- Comments by the public are accepted in person at public and board/committee meetings; by mail at the Department of Regional Services, 125 North Main Street, Room # 450, Memphis, Tennessee, 38103; by telephone at 901-636-7190; by fax at 901-636-7272; and by email at Pragati.Srivastava@memphistn.gov.

UPWP ADOPTION & AMENDMENT/ADMINISTRATIVE MODIFICATION PROCESS

Prior to its adoption, the FY 2020-21 UPWP was presented to the MPO's Engineering and Technical Committee (ETC) and Transportation Policy Board (TPB) for consideration and approval. The UPWP was also distributed to interested parties and the MPO's library distribution system for a ten (10) calendar day comment period prior to its consideration before these bodies, and comments received were presented to the ETC and TPB prior to consideration for adoption of the FY 2020-21 UPWP.

Amendments to the UPWP (those that involve adding or deleting funds more than 20%, change in the scope of the work tasks or add or delete a work task) will follow the ten (10) calendar day public review period as described for the UPWP adoption. Administrative modification, changes that do not involve a change in the scope of the funded work tasks and/or administrative modification of funding amounts by no more than 20% of funds allocated in a work task (See Figure 3).

The FY 2020-21 UPWP and any subsequent amendments are subject to review and approval by the MPO's state and federal partners, MDOT, TDOT, FHWA's Mississippi and Tennessee Divisions, and FTA. Administrative modifications are subject to review and approval by MDOT and TDOT.

Figure 3: UPWP AMENDMENT/ ADMINISTRATIVE MODIFICATION PROCESS



MAJOR PLANNING TASKS & EXPENSES FOR FISCAL YEARS 2020-21

The following tasks have been identified by the Memphis Urban Area MPO to be completed or addressed during Fiscal Years 2020-21. A brief description of each task is given, including whether the task will be completed by MPO staff or by consultant(s), the time frame for each activity, and the UPWP task associated:

1. The MPO staff will prepare the Unified Planning Work Program (UPWP) for Fiscal Years 2022-23, which programs funding for the major planning tasks of the MPO. The FY 2022-23 UPWP will be completed in FY 2021. [Task A: Program Administration]
2. The MPO staff will evaluate and update its planning area boundary and potential new member jurisdictions, based on 2020 U.S. Census urban area designations. The boundary update which is expected to be completed in FY 2022, includes technical assistance and public outreach expenditures. **\$60,000** [Task A: Program Administration]
3. MPO staff will update the Memphis MPO Prospectus and Bylaws to reflect any changes in boundary or members, based upon the updated MPO boundary. [Task A: Program Administration]
4. The MPO staff in coordination with local jurisdictions will review and update the Roadway Functional Classification System based on the 2020 Census Urbanized Area in accordance with the Federal Highway Administration's "Highway Functional Classification System and Guidelines". The task is expected to be completed in Fiscal Year 2022. [Task B: Data Collection, Analysis & Performance Measures]
5. The MPO staff will review and update selected statistical area boundaries for 2020 Census data tabulation using Census Bureau criteria and guidelines. [Task B: Data Collection, Analysis & Performance Measures]
6. The MPO staff will continue to review and update performance measure targets based on the guidance provided by FHWA, FTA, TDOT & MDOT to keep track of the performance of the regional transportation system. [Task B: Data Collection, Analysis & Performance Measures]

ABOUT THE UPWP

7. The MPO staff will work with TDOT, and coordinate with MDOT as needed, to develop an electronic version of the MPO's Transportation Improvement Program (TIP). The eTIP software will be used to manage and track transportation projects in the TIP, with the goal to allow for a more streamlined and efficient process. The implementation of the eTIP will be ongoing and will align with the FY 2020-23 TIP. [Task C: Short-Range Planning]
8. The MPO will release the RFQ for the 2055 Regional Transportation Plan (RTP) in FY 2021 and contract with consultants to develop the plan, which is scheduled for adoption in August 2023. **\$700,000.** [Task D: Regional Transportation Planning]
9. The MPO will contract with consultants to provide Air Quality Modeling & Conformity Analysis, Travel Demand and Land Use Modeling to conduct ongoing technical analyses related to the MPO's Regional Transportation Plan (RTP) and Transportation Improvement Program (TIP) along with update and maintenance of Regional Travel Demand Model. **\$100,000** [Task E: Air Quality & Congestion Management Planning]
10. The MPO will release the RFQ for the Regional ITS Architecture & Deployment Plan in FY 2021 and contract with consultants to update the plan, which is updated approximately every four years, prior to the adoption of the RTP. The ITS Architecture update will be completed in FY 2023. **\$100,000** [Task E: Air Quality & Congestion Management Planning]
11. The MPO staff will prepare an update of the Congestion Management Process Plan, which contains established techniques for addressing air quality and congestion needs for the MPO planning region including data collection\purchase. The task is expected to be completed by September 2020. **\$75,000**[Task E: Air Quality & Congestion Management]
12. The MPO staff will update the Public Participation Plan. The update will include reviewing the roles of the various MPO committees in the MPO activities, reviewing the current public involvement strategies to reach various stakeholders and underrepresented groups, identifying additional outreach tools to and updated data collection\purchase to improve the overall public outreach process. The task is expected to be completed by July 2020. [Task F: Outreach & Engagement]
13. The MPO in coordination with MATA and member jurisdictions will contract with consultants to update the Coordinated Public Transit - Human Services Transportation Plan (CPT-HSTP) for the MPO region, in accordance with federal requirements. The update will include technical assistance, data collection, and public outreach. **\$100,000** [Task G: Active Transportation Planning]
14. The MPO will contract with consultants to develop a Regional Bicycle and Pedestrian Plan covering the counties of Shelby and Fayette in Tennessee, and DeSoto and Marshall Counties in Mississippi. The plan will encompass a unified vision and goals; robust outreach; data collection\purchase; network analysis, connectivity, routing database establishment and include Shared Mobility planning efforts. The Regional Bicycle and Pedestrian Plan is expected to be completed by September 2020. **\$150,000.** [Task G: Active Transportation Planning]
15. The MPO will contract with consultants to conduct studies on the livability corridors established during the development of the Livability 2040 RTP. These studies will assess the multimodal performance of the corridors. **\$300,000** [Task G: Active Transportation Planning]

Section III: MPO Planning Tasks

MPO TASKS**A. PROGRAM ADMINISTRATION****PURPOSE**

To conduct the metropolitan planning processes in conformance with applicable federal (23 CFR 450) and state requirements and to ensure the maintenance of a continuing, cooperative, and comprehensive transportation planning process for the Memphis MPO planning area.

PREVIOUS PROGRAM ADMINISTRATION TASKS

1. The MPO prepared the FY 2020 –21 UPWP.
2. The MPO prepared annual updates to the Title VI Report and provided Title VI education and awareness within the MPO planning area.
3. The MPO prepared for and attended the MPO's ETC meetings (quarterly), TPB meetings (quarterly), IAC meetings (quarterly), ATAC (quarterly), FAC (as needed) and PLAC (as needed) as well as record meeting minutes, prepare meeting agendas.
4. MPO staff prepared annual contracts, quarterly invoices and progress reports.
5. The MPO participated on the Regional Chamber Transportation Committee, West Tennessee Rural Planning Organization (RPO) meetings, West Memphis MPO meetings, MATA Board meetings, Statewide IAC meetings, TN Bicycle Committee Conference Call and State FAC Meetings (TDOT & MDOT).
6. The MPO utilized when possible, small/disadvantaged business participation in MPO professional services.
7. The planning divisions of TDOT and MDOT worked jointly with the MPO to establish the required administrative and technical procedures and prepare contractual agreements. They attended MPO's technical and policy board meetings, distributed information on federal transportation planning guidelines and requirements, conducted seminars and work sessions, reviewed MPO's transportation planning studies and reports, and undertook general administrative activities.
8. The Multimodal Transportation Resources Division, Tennessee Department of Transportation, administered State and Federal programs regarding river transportation, urban public transportation, rail service, ride-sharing, and transportation systems management. Representatives of this office participated in MPO meetings, distributed Federal transit guidelines and requirements, conducted seminars and work sessions, and reviewed MPO studies and reports. This office coordinated FTA's Section 5303, 5307, 5309, 5310, 5339 and Urban Operating Assistance Program (UROP) programs in MPO planning area.
9. MATA participated in and attended meetings of the MPO Engineering and Technical Committee (ETC), Transportation Policy Board (TPB) and various other committees.
10. The MPO staff attended Annual Association for Metropolitan Planning Organizations (AMPO) conference, Tennessee Model Users Group (TNMUG) meetings, FHWA sponsored conferences, seminars & webinars, and Annual TDOT and MDOT MPO conferences.
11. MATA attended and participated in MPO meetings and assisted with the development and ongoing maintenance of local planning activities such as the UPWP, TIP, and RTP.
12. The MPO staff developed a Continuity of Operations Plan (COOP).
13. The MPO coordinated with FHWA & FTA to complete the Transportation Management Area (TMA) Certification Review for the transportation planning process.

MPO TASKS

PROGRAM ADMINISTRATION TASKS FOR FY 2020 - 21

1. As needed, MPO will amend or adjust the FY 2020 –21 UPWP.
2. The MPO will prepare the FY 2022 –23 UPWP.
3. The MPO will prepare annual updates to the Title VI Report and provide Title VI education and awareness within the MPO planning area.
4. The MPO will prepare for and attend the MPO's ETC meetings (quarterly), TPB meetings (quarterly), IAC meetings (quarterly), ATAC (quarterly), FAC (as needed) and PLAC (as needed) as well as record meeting minutes, prepare meeting agendas.
5. The MPO staff will prepare annual contracts, quarterly invoices and progress reports.
6. The MPO will participate on the Regional Chamber Transportation Committee, West Tennessee Rural Planning Organization (RPO) meetings, West Memphis MPO meetings, MATA Board meetings, TN Bicycle Committee Conference Call, State Highway Safety Implementation meetings (TDOT & MDOT) and State FAC Meetings (TDOT & MDOT).
7. As needed, the MPO will undertake Request for Qualification (RFQ) process to select consultant firms for certain planning activities and to place under contracts. Activities include, but are not limited to Travel Demand Model, Bicycle & Pedestrian Plan, Data Collection or purchase, Air Quality, CMP, ITS and other MPO plans and studies.
8. The planning divisions of TDOT and MDOT will work jointly with the MPO to establish the required administrative and technical procedures and prepare contractual agreements. They will attend MPO's technical and policy board meetings, distribute information on federal transportation planning guidelines and requirements, conduct seminars and work sessions, review MPO's transportation planning studies and reports, and undertake general administrative activities.
9. The Multimodal Transportation Resources Division, Tennessee Department of Transportation, will administer State and Federal programs regarding river transportation, urban public transportation, rail service, ride-sharing, and transportation systems management. Representatives of this office will participate in MPO meetings, distribute Federal transit guidelines and requirements, conduct seminars and work sessions, and review MPO studies and reports.
10. MATA staff will participate and attended MPO meetings of the MPO Engineering and Technical Committee (ETC), Transportation Policy Board (TPB) and various other committees.
11. The MPO staff will attend Association for Metropolitan Planning Organizations (AMPO) board and committee meetings, workgroups, webinars & conferences, Tennessee Model Users Group (TNMUG) meetings, FHWA, FTA & EPA sponsored meetings & conferences, seminars & webinars, TDOT and MDOT Annual MPO conferences, TDOT & MDOT sponsored meetings, conferences, seminars and webinars, Arkansas DOT sponsored conferences, meetings & seminars related to transportation coordination/planning.
12. The MPO staff will attend and participate in meetings, conferences & seminars related to Transportation Planning, Regional Transportation Plan (RTP), Transportation Improvement Program (TIP), Public Participation Plan (PPP), Active Transportation Planning, Performance Measures & Targets, Congestion Management Process (CMP), Intelligent Transportation System (ITS), Safety, Incident Management, Freight, Air Quality, Travel Demand and Land Use Modeling, Grant Management.
13. As needed, MPO will assist TDOT, MDOT, FHWA, FTA & EPA to conduct any meetings held in MPO Area related to Transportation Planning.
14. As needed, MPO will share information and assist TDOT, MDOT and other MPO partners in submitting applications for federal grants that support the regional transportation plan's goals and objectives.

MPO TASKS

15. As needed, MPO will participate in meetings of MPO partners in the development of their plans and studies that support the regional transportation plan's goals and objectives.
16. MPO staff will analyze Transportation Bills & Legislation at Federal and State levels.
17. MPO will continue to maintain and update planning agreements as needed.
18. MPO will continue to participate in Tri-State (TN-MS-AR) initiatives and activities related to transportation planning.
19. The MPO will evaluate an update to its planning area boundary and potential new member jurisdictions, based on 2020 U.S. Census urban area designations.
20. MPO will update the Memphis MPO Prospectus and Bylaws to reflect any changes in boundary or members, based upon the updated MPO boundary.

ANTICIPATED EXPENSES FOR FY 2020 - 21

1. Local travel and other direct costs for meetings across the MPO area –\$20,000
2. Travel and registration for conferences, cost of production for MPO meetings, workshops including facility rental, speakers, brochure/program - \$55,000 (see task 12 for details)
3. Printing and publications for MPO products developed as part of any UPWP Task - \$30,000
4. Consumable Supplies - \$7,000
5. Membership fees and organizational dues - \$20,000
6. Public noticing and advertisements - \$25,000
7. Software and devices including subscriptions for ESRI ArcGIS, Caliper TransCAD, Community Viz, Microsoft Office, Adobe Creative Suite and other software (video editing software, Constant Contact, GoToMeeting, Survey Monkey, website renewal/maintenance) necessary to perform the tasks outlined in the UPWP - \$30,000

TASK A. END PRODUCTS AND WORK SCHEDULE

FY 2020		
PRODUCT	TIMEFRAME	COMPLETION DATE
Quarterly Progress Reports	Quarterly	Ongoing
Committee & Board Meetings	Oct 2019 - Sept 2020	Ongoing
Attend Training & Workshops	Oct 2019 - Sept 2020	Ongoing
Title VI Education Awareness	Oct 2019 - Sept 2020	Ongoing
Annual Title VI Compliance	Jan 2020 - Feb 2020	Aug 2020
Administration & Coordination	Oct 2019 - Sept 2020	Ongoing

FY 2021		
PRODUCT	TIMEFRAME	COMPLETION DATE
Quarterly Progress Reports	Quarterly	Ongoing
Committee & Board Meetings	Oct 2020 - Sept 2021	Ongoing
Attend Training & Workshops	Oct 2020 - Sept 2021	Ongoing
Title VI Education Awareness	Oct 2020 - Sept 2021	Ongoing
Annual Title VI Compliance	Jan 2021 - Feb 2021	Feb 2021
Administration & Coordination	Oct 2020 - Sept 2021	Ongoing
FY 2022-23 UPWP	Jan 2021 - Aug 2021	Aug 2021
MPO Boundary Update	Jan 2021 - Sept 2021	Sept 2021
MPO Prospectus & Bylaws Update	Jan 2021 - Sept 2021	Sept 2021

FUNDING FOR PROGRAM ADMINISTRATION ACTIVITIES (TASK A)

2020 Funding						
	PL-TN (80/20)	SPR (TN)	PL-MS (80/20)	PL-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO						
Federal	\$790,918		\$150,846	\$47,111	\$366	\$989,241
State				\$5,889	\$92	\$5,981
Local*	\$197,729		\$37,711	\$5,889		\$241,330
Sub Total	\$988,647		\$188,557	\$58,889	\$458	\$1,236,551
TDOT						
Federal		\$20,398				\$20,398
State		\$5,099				\$5,099
Sub Total		\$25,497				\$25,497
TOTAL	\$988,647	\$25,497	\$188,557	\$58,889	\$458	\$1,262,048

2021 Funding						
	PL-TN (80/20)	SPR (TN)	PL-MS (80/20)	PL-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO						
Federal	\$790,918		\$150,846	\$47,111	\$366	\$989,241
State				\$5,889	\$92	\$5,981
Local*	\$197,729		\$37,711	\$5,889		\$241,330
Sub Total	\$988,647		\$188,557	\$58,889	\$458	\$1,236,551
TDOT						
Federal		\$20,398				\$20,398
State		\$5,099				\$5,099
Sub Total		\$25,497				\$25,497
TOTAL	\$988,647	\$25,497	\$188,557	\$58,889	\$458	\$1,262,048

* City of Memphis-Shelby County and Desoto County provides the local match for the Tennessee and Mississippi portions of PL allocation (Section 112).

*10% local match for PL-TN (80/10/10) previously 5303, TN funding for MPO planning tasks will be provided by Shelby County.

MPO TASKS

B. DATA COLLECTION, ANALYSIS & PERFORMANCE MEASURES

PURPOSE

To collect and maintain an up-to-date inventory of planning data which includes, but is not limited to land use, travel patterns, travel mode, transit ridership, socio-economic information and demographics for use in the MPO's Geographic Information System (GIS) and travel demand forecasting databases. The MPO's data collection and analysis efforts are directly linked to the development of the RTP, updated every four years, Performance Measure as well as the various plans, programs, and studies conducted by the MPO and its federal, state, and local partners.

PREVIOUS DATA COLLECTION, ANALYSIS AND PERFORMANCE MEASURES TASKS

1. The MPO prepared performance measure targets to keep track of the performance of the regional transportation system.
2. The MPO collected, updated and maintained a GIS database for the MPO region.
3. TDOT and MDOT collected traffic count data, and other safety data.
4. The MPO monitored the Community Viz Model by updating its database on a regular basis.
5. MATA provided information to the National Transit Database Report.
6. MATA maintained GIS database of bus routes, transit stop and shelter locations.
7. The MPO continued to conduct safety-related and other research using sources such as the TRIMS database for planning purposes and data requests from member jurisdictions and partner agencies.
8. The MPO worked with the consultant to update the Memphis MPO Travel Demand Model to include updates from land use model, new TAZ boundaries, and updated demographics.
9. As needed, the MPO continued to share bicycle and pedestrian equipment under the FHWA Bicycle-Pedestrian Count Technology Pilot Program.

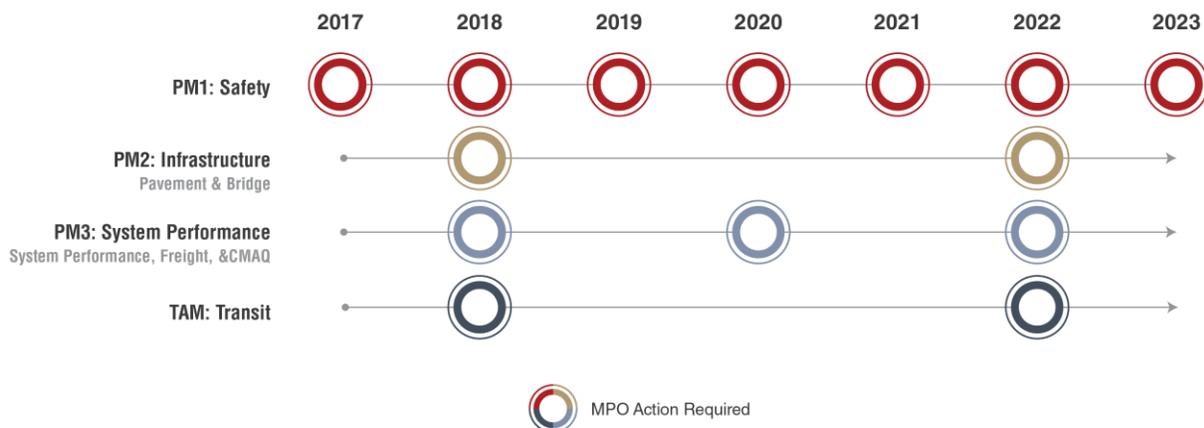
DATA COLLECTION, ANALYSIS & PERFORMANCE MEASURES TASKS FOR FY 2020 – 21

1. The MPO will continue to monitor and implement federal requirements for the integration of transportation performance measures for PM1, PM2 and PM3 and will submit to TDOT and MDOT in a timely fashion. See Figure 4 for PM timeline
2. The MPO will continue to collect, update and maintain GIS database for the MPO region. The MPO will continue to evaluate its GIS database for more effective regional analysis and communication with the public and stakeholders.
3. TDOT will continue to collect traffic count data, conduct special traffic counts as needed for planning and design projects, maintain accident files, and furnish high hazard listings and other safety data as required. Travel time studies will be conducted if needed for special studies.
4. MPO will continue to monitor the Community Viz Model by updating its database at a regular basis.
5. MATA will continue to prepare annual transit ridership statistics for publication in the National Transit Database. This will involve collecting, editing, assembling and reviewing transit ridership data by day, type, trip time, and transit stops.
6. MATA will continue to update and maintain local transit infrastructure data such as route, schedule and stop information for use in GIS databases and integration into Advanced Public Transportation Systems (APTS) for use with automatic vehicle location technology (AVL), stop annunciators,

MPO TASKS

- advanced fare collection devices, and next transit vehicle message boards. Data will be compiled in a format that can be utilized in other applications such as printed route and schedule maps and timetables as well as other marketing and public information materials.
7. The MPO will continue to conduct safety-related and other research sources such as the TRIMS database for planning purposes and data requests from member jurisdictions and partner agencies.
 8. The MPO will continue to work with consultants to update the Memphis MPO Travel Demand Model. Work task will include incorporating land use model results into the Travel Demand Model and update data which will include new TAZ boundaries, survey data, and update demographics.
 9. The MPO will continue to collect data to be used in the development of the 2055 RTP including land use data, transportation system data and socioeconomic data.
 10. The MPO will provide Bicycle and Pedestrian Counter to member agencies to collect bicycle and pedestrian data under the FHWA Bicycle-Pedestrian Count Technology Pilot Program.
 11. The MPO will review and update selected statistical area boundaries for 2020 Census data tabulation using Census Bureau criteria and guidelines.
 12. The MPO in coordination with local jurisdictions will review and update the Roadway Functional Classification System based on the 2020 Census Urbanized Area in accordance with the Federal Highway Administration's "Highway Functional Classification System and Guidelines". The task is expected to be completed in Fiscal Year 2022.
 13. The MPO will continue to use NPMRDS data and the other data provided by the State DOTs to develop and analyze Performance Measure Targets and other information for RTP and TIP.
 14. The MPO will continue to compile and analyze data related to highway, bridge, and transit system conditions using information from Highway Performance Monitoring System, National Bridge Inventory, and the Federal Transit Database.
 15. The MPO will continue to monitor and regularly administer modifications to the federal functional classification system of streets for the MPO planning area.

Figure 4: PM TARGETS DEADLINES



MPO TASKS

TASK B. END PRODUCTS AND WORK SCHEDULE

FY 2020		
PRODUCT	TIMEFRAME	COMPLETION DATE
GIS Development /Maintenance	Oct 2019 - Sept 2020	Ongoing
Annual Traffic Counts	Oct 2019 - Sept 2020	Ongoing
Compile Traffic Counts	Oct 2019 - Sept 2020	Ongoing
Accident Data Coding	Oct 2019 - Sept 2020	Ongoing
National Transit Database Report	Oct 2019 - Sept 2020	Ongoing
TRIMS Research	Oct 2019 - Sept 2020	Ongoing
Community Viz Model Maintenance	Oct 2019 - Sept 2020	Ongoing
Update Federal Functional Classification System	Oct 2019 - Sept 2020	As Needed
Performance Measures	Oct 2019 - Sept 2020	Ongoing (See Figure 4)
Travel Demand Model Update	Oct 2019 - Sept 2020	Ongoing
Bicycle & Pedestrian Data Collection	Oct 2019 - Sept 2020	Ongoing

FY 2021		
PRODUCT	TIMEFRAME	COMPLETION DATE
GIS Development /Maintenance	Oct 2020 - Sept 2021	Ongoing
Annual Traffic Counts	Oct 2020 - Sept 2021	Ongoing
Compile Traffic Counts	Oct 2020 - Sept 2021	Ongoing
Accident Data Coding	Oct 2020 - Sept 2021	Ongoing
National Transit Database Report	Oct 2020 - Sept 2021	Ongoing
TRIMS Research	Oct 2020 - Sept 2021	Ongoing
Community Viz Model Maintenance	Oct 2020 - Sept 2021	Ongoing
Performance Measures	Oct 2020 - Sept 2021	Ongoing (See Figure 4)
Travel Demand Model Update	Oct 2020 - Sept 2021	Ongoing
Census 2020 Selected Statistical Area Boundary Update	Oct 2020 - Sept 2021	Ongoing
Update Federal Functional Classification System	Oct 2020 - Sept 2021	As Needed

MPO TASKS

FUNDING FOR DATA COLLECTION, ANALYSIS & PERFORMANCE MEASURES (TASK B)

2020 Funding						
	PL-TN (80/20)	SPR (TN)	PL-MS (80/20)	PL-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO						
Federal	\$411,584		\$51,475	\$135,111	\$11,663	\$609,834
State				\$16,889	\$2,916	\$19,805
Local*	\$102,896		\$12,869	\$16,889		\$132,654
Sub Total	\$514,480		\$64,344	\$168,889	\$14,579	\$762,292
TDOT						
Federal		\$17,012				\$17,012
State		\$4,253				\$4,253
Sub Total		\$21,265				\$21,265
MATA						
Federal				\$16,000		\$16,000
State				\$2,000		\$2,000
Local*				\$2,000		\$2,000
Sub Total				\$20,000		\$20,000
TOTAL	\$514,480	\$21,265	\$64,344	\$188,889	\$14,579	\$803,557

2021 Funding						
	PL-TN (80/20)	SPR (TN)	PL-MS (80/20)	PL-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO						
Federal	\$411,584		\$51,475	\$135,111	\$11,663	\$609,834
State				\$16,889	\$2,916	\$19,805
Local*	\$102,896		\$12,869	\$16,889		\$132,654
Sub Total	\$514,480		\$64,344	\$168,889	\$14,579	\$762,292
TDOT						
Federal		\$17,012				\$17,012
State		\$4,253				\$4,253
Sub Total		\$21,265				\$21,265
MATA						
Federal				\$16,000		\$16,000
State				\$2,000		\$2,000
Local*				\$2,000		\$2,000
Sub Total				\$20,000		\$20,000
TOTAL	\$514,480	\$21,265	\$64,344	\$188,889	\$14,579	\$803,557

*City of Memphis-Shelby County provides the 20% local match for the TN portion of PL allocation and Desoto County provides the local match for the Mississippi portions of PL allocation (Section 112).

*10% local match for PL-TN (80/10/10) previously 5303, TN funding for MPO planning tasks will be provided by Shelby County. The City of Memphis provides the 10% local match for MATA planning tasks under the PL (TN), previously TN 5303 funding program.

MPO TASKS

C. SHORT RANGE PLANNING

PURPOSE

To prepare and maintain an accurate and fiscally constrained Transportation Improvement Program (TIP). To evaluate designated corridors and sub areas of the MPO planning area for changes in development trends and socio-economic conditions and provide detailed implementation strategies to supplement the transportation policies of the RTP and programming priorities of the TIP for designated corridors and sub areas.

PREVIOUS SHORT-RANGE PLANNING TASKS

1. The MPO prepared amendments and adjustments to the FY 2017-2020 TIP.
2. The MPO prepared the Fiscal Years 2020-23 Transportation Improvement Program (TIP).
3. The MPO produced and disseminated the Annual Listing of Obligated Projects.

SHORT RANGE PLANNING TASKS FOR FY 2020 - 21

1. The MPO will maintain the TIP to ensure its compliance with federal regulations and to program additional federal funds as they become available.
2. The MPO will monitor the progress of project fund obligations and MPO member compliance with TIP programming policies.
3. The MPO will prepare amendments and adjustments to the FY 2020 -2023 TIP as required.
4. The MPO will produce and disseminate the Annual Listing of Obligated Projects.
5. The MPO staff will work with TDOT, and coordinate with MDOT as needed, to develop an electronic version (eTIP) of the MPO's Transportation Improvement Program (TIP). The eTIP software will be used to manage and track transportation projects in the TIP, with the goal to allow for a more streamlined and efficient process. The implementation of the eTIP will be ongoing and will align with the FY 2020-23 TIP.
6. As needed, MPO will coordinate with local partners/agencies to provide assistance in reviewing development proposals related to transportation planning.

MPO TASKS

TASK C. END PRODUCTS AND WORK SCHEDULE

FY 2020		
PRODUCT	TIMEFRAME	COMPLETION DATE
Maintain the TIP to Ensure Federal Compliance	Oct 2019 - Sept 2020	Ongoing
Monitor Project Obligation	Oct 2019 - Sept 2020	Ongoing
FY 2020-23 TIP Amendments/Adjustments	Oct 2019 - Sept 2020	As Required
Development Reviews	Oct 2019 - Sept 2020	As Needed
Annual Listing of Obligated Projects	Oct 2019 - Nov 2020	Nov 2020
eTIP	Oct 2019 - Sept 2020	Ongoing

FY 2021		
PRODUCT	TIMEFRAME	COMPLETION DATE
Maintain the TIP to Ensure Federal Compliance	Oct 2020 - Sept 2021	Ongoing
Monitor Project Obligation	Oct 2020 - Sept 2021	Ongoing
FY 2020-23 TIP Amendments/Adjustments	Oct 2020 - Sept 2021	As Required
Development Reviews	Oct 2020 - Sept 2021	As Needed
Annual Listing of Obligated Projects	Oct 2020 - Nov 2021	Nov 2022
eTIP	Oct 2020 - Sept 2021	Ongoing

MPO TASKS

FUNDING FOR SHORT RANGE PLANNING (TASK C)

2020 Funding					
	PL-TN (80/20)	PL-MS (80/20)	PI-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO					
Federal	\$291,584	\$53,187	\$56,485	\$8,916	\$410,172
State			\$7,061	\$2,229	\$9,290
Local*	\$72,896	\$13,297	\$7,061		\$93,253
Sub Total	\$364,480	\$66,484	\$70,606	\$11,145	\$512,715
TOTAL	\$364,480	\$66,484	\$70,606	\$11,145	\$512,715

2021 Funding					
	PL-TN (80/20)	PL-MS (80/20)	PI-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO					
Federal	\$291,584	\$53,187	\$56,485	\$8,916	\$410,172
State			\$7,061	\$2,229	\$9,290
Local*	\$72,896	\$13,297	\$7,061		\$93,253
Sub Total	\$364,480	\$66,484	\$70,606	\$11,145	\$512,715
TOTAL	\$364,480	\$66,484	\$70,606	\$11,145	\$512,715

*City of Memphis - Shelby County and Desoto County provides the local match for the Tennessee and Mississippi portions PL allocation (Section 112).

*10% local match for PL-TN (80/10/10) previously 5303, TN funding for MPO planning tasks will be provided by Shelby County.

MPO TASKS

D. REGIONAL TRANSPORTATION PLANNING

PURPOSE

To maintain and update intermodal transportation plans which will serve the long range transportation needs of the metropolitan planning area and which are in compliance with federal and state requirements. The MPO also ensures fiscal constraint and conformity for the metropolitan transportation plan.

PREVIOUS REGIONAL PLANNING TASKS

1. The MPO monitored major transportation facilities including roadways, transit, multi-modal and intermodal facilities.
2. The MPO continued to collect and analyze data pertaining to performance measures developed for the regional transportation system, based on the guidelines of the Livability 2040 RTP.
3. TDOT's and MDOT's Long Range Planning Divisions continued assistance with modeling needs, including technical assistance for MPO staff, training, review of models and oversight of consultants contracted to work with models.
4. TDOT's and MDOT's Long Range Planning Divisions assessed current and projected demand for statewide freight and goods movement and relative capacity of facilities in the metropolitan planning area that carry these trips.
5. TDOT's and MDOT's Long Range Planning Divisions evaluated needs and opportunities for improved operations of the state transportation system within the metropolitan planning area and plan for operational and capital solutions to these needs.
6. The MPO continued its work to integrate freight planning into the regional transportation planning process.
7. The MPO prepared amendments to the Livability 2040 RTP as needed.
8. The MPO adopted the 2050 Regional Transportation Plan in September 2019.

REGIONAL PLANNING TASKS FOR FY 2020 - 21

1. The MPO will continue to evaluate major transportation facilities including roadways, transit, and multi-modal and intermodal facilities. The purpose is to be aware of the implementation of roadway improvements and congestion management strategies planned near these facilities.
2. The MPO will continue to update the RTP based on newly adopted Performance Measure (PM) targets.
3. The MPO will submit the Final 2050 RTP Air Quality Conformity to FHWA and FTA for approval.
4. TDOT's and MDOT's Long Range Planning Divisions will continue assistance with modeling needs, including technical assistance for MPO staff, training, review of models and oversight of consultants contracted to work with models.
5. TDOT's and MDOT's Long Range Planning Divisions will continue to assess current and projected demand for statewide freight and goods movement and relative capacity of facilities in the metropolitan planning area that carry these trips.

6. TDOT's and MDOT's Long Range Planning Divisions will continue to evaluate needs and opportunities for improved operations of the state transportation system within the metropolitan planning area and plan for operational and capital solutions to these needs.
7. As needed, the MPO will contract with consultants to assist with updating the Regional Freight Plan prior to 2055 Regional Transportation Plan (RTP)
8. The MPO will continue to monitor, assess and provide comments related to compliance with the RTP and the planned efficiency of major roadways through the review of local development proposals. Data will also be used to track development trends used in developing socio-economic data for the RTP.
9. The MPO will prepare amendments to the Livability 2050 RTP as needed.
10. The MPO will release the RFQ for the 2055 Regional Transportation Plan (RTP) in FY 2021 and contract with consultants to develop the plan, which is scheduled for adoption in August 2023. The plan will include extending the horizon to 2055 with updated analysis of existing conditions and trends, financial constraints and project prioritization and selection.

MPO TASKS

TASK D. END PRODUCTS AND WORK SCHEDULE

FY 2020		
PRODUCT	TIMEFRAME	COMPLETION DATE
Transportation Facility Monitoring	Oct 2019 - Sept 2020	Ongoing
TDOT/MDOT Model Assistance	Oct 2019 - Sept 2020	Sept 2020
DOT Freight Planning	Oct 2019 - Sept 2020	Sept 2020
TDOT/ MDOT Operations Evaluation	Oct 2019 - Sept 2020	Sept 2020
2050 Regional Transportation Plan Amendment	Oct 2019 - Sept 2020	As Needed

FY 2021		
PRODUCT	TIMEFRAME	COMPLETION DATE
Transportation Facility Monitoring	Oct 2020 - Sept 2021	Ongoing
TDOT/ MDOT Model Assistance	Oct 2020 - Sept 2021	Sept 2021
DOT Freight Planning	Oct 2020 - Sept 2021	Sept 2021
TDOT/ MDOT Operations Evaluation	Oct 2020 - Sept 2021	Sept 2021
2050 Regional Transportation Plan Amendment	Oct 2020 - Sept 2021	As Needed
2055 RTP - RFQ & Plan Development	Oct 2020 - Sept 2021	Aug 2023

MPO TASKS

FUNDING FOR REGIONAL TRANSPORTATION (TASK D)

2020 Funding						
	PL-TN (80/20)	SPR (TN)	PL-MS (80/20)	PI-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO						
Federal	\$411,584		\$53,213	\$95,111	\$27,906	\$587,814
State				\$11,889	\$6,976	\$18,865
Local*	\$102,896		\$13,303	\$11,889		\$128,088
Sub Total	\$514,480		\$66,516	\$118,889	\$34,882	\$734,768
TDOT						
Federal		\$55,294				\$55,294
State		\$13,822				\$13,822
Sub Total		\$69,116				\$69,116
TOTAL	\$514,480	\$69,116	\$66,516	\$118,889	\$34,882	\$803,884

2021 Funding						
	PL-TN (80/20)	SPR (TN)	PL-MS (80/20)	PI-TN (80/10/10)	Sec 5303 (MS)	TOTAL
MPO						
Federal	\$411,584		\$53,213	\$95,111	\$27,906	\$587,814
State				\$11,889	\$6,976	\$18,865
Local*	\$102,896		\$13,303	\$11,889		\$128,088
Sub Total	\$514,480		\$66,516	\$118,889	\$34,882	\$734,768
TDOT						
Federal		\$55,294				\$55,294
State		\$13,822				\$13,822
Sub Total		\$69,116				\$69,116
TOTAL	\$514,480	\$69,116	\$66,516	\$118,889	\$34,882	\$803,884

* City of Memphis-Shelby County and DeSoto County provides the local match for the Tennessee and Mississippi portions of PL allocation (Section 112).

* 10% local match for PL-TN (80/10/10) previously 5303, TN funding for MPO planning tasks will be provided by Shelby County. MDOT provides the entire 20% match for 5303 funding in DeSoto County, MS.

MPO TASKS

E. AIR QUALITY & CONGESTION MANAGEMENT PLANNING

PURPOSE

In recognition of the negative externalities imposed by automobiles on air pollution, The Clean Air Act requires EPA to set National Ambient Air Quality Standards (NAAQS) for "criteria pollutants," which include carbon monoxide, ozone, lead, sulfur oxides, nitrogen oxides, and particulate matter.

On July 20, 2012, the EPA designated Memphis, TN-MS-AR as a 2008 8-hour ozone marginal non-attainment area with a final ruling published on May 21, 2012 (77 FR 30088). Included in this designation were Shelby County, TN, Crittenden County, AR, and a portion of DeSoto County, MS. The Memphis MPO is responsible for demonstrating conformity with the 2008 8-hour ozone NAAQS for Shelby County, TN and the portion of DeSoto County, MS.

On April 8, 2016 (81 FR 20543) a final ruling was published re-designating the portion of MS within the TN-MS-AR 2008 8-hour ozone non-attainment area to attainment with a final rule effective on May 9, 2016. On June 23, 2016 (81 FR 40816) a final rule was published for the re-designation from non-attainment to attainment for 2008 8-hour ozone, for Shelby County, with an effective date of July 25, 2016 (See Figure 4). For the 2015 8-hour ozone standard, Shelby County and DeSoto County are classified as Attainment/Unclassified, but the Memphis MPO is still responsible for demonstrating conformity for 2008 8-hour ozone standard. The West Memphis MPO is responsible for demonstrating conformity of the NAAQS for Crittenden County.

As of December 26, 2017, the 20-year maintenance period for the Shelby County carbon monoxides (CO) NAAQS ended and therefore the area no longer needs to demonstrate conformity for CO NAAQS.

Tasks within this section are intended to monitor and assist the 2008 8-hour ozone attainment area for Shelby and DeSoto Counties so that it conforms to the NAAQS by evaluating the impacts of transportation improvements and congestion management strategies and to ensure that the transportation plans and programs conform to the purpose of the State Implementation Plan (SIP).

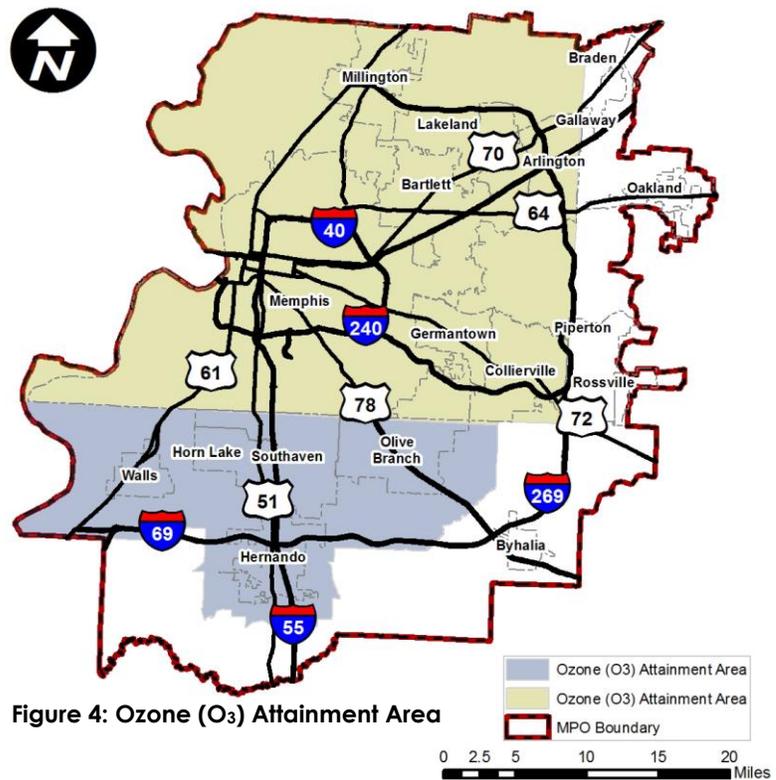


Figure 4: Ozone (O₃) Attainment Area

MPO TASKS**PREVIOUS AIR QUALITY & CONGESTION MANAGEMENT TASKS**

1. The MPO contracted with consultants to provide air quality modeling, conformity analysis, and travel demand modeling for the RTP and TIP.
2. The MPO continued to monitor and respond to DOT-EPA transportation-air quality planning guidelines (CMAQ guidelines and those relating to our changing non-attainment status), prepared recommendations for air quality activities and transportation improvements, and assisted elected and administrative officials in developing air quality goals and strategies.
3. The MPO reviewed current and future RTP assignments to analyze and to project future mobile source emissions. MPO provided assistance to the local air pollution control agency in the development of mobile source emissions inventories.
4. The MPO coordinated with its state and regional partners to update the Regional ITS Architecture and Deployment Plan.
5. MPO conducted Interagency Consultation (IAC) for the nonattainment areas to ensure conformity determinations are made in a timely manner.
6. MPO continued facilitation of the Interagency Consultation (IAC) Committee on Air Quality, as needed.
7. The MPO continued to participate in the Statewide Interagency Coordination Committee for Air Quality coordinated by Tennessee.
8. MPO assisted TDOT and MDOT with the CMAQ funding process as needed.
9. MPO assisted TDOT in preparing the annual CMAQ reports.
10. The MPO continued to participate in planning for operations, Traffic Incident Management (TIM) and Federal Self-Assessment in the Memphis region.

AIR QUALITY & CONGESTION MANAGEMENT TASKS FOR FY 2020 –21

1. The MPO will contract with consultants to provide Air Quality Modeling & Conformity Analysis, Travel Demand Land Use Modeling to ongoing technical analysis related to the MPO's RTP and TIP.
2. The MPO will continue to monitor and properly respond to DOT-EPA transportation-air quality planning guidelines (CMAQ guidelines and those relating to our changing non-attainment status), prepare recommendations for air quality activities and transportation improvements, and assist elected and administrative officials in developing air quality goals and strategies.
3. The MPO will review current and future RTP assignments to analyze and project future mobile source emissions. MPO will provide assistance to the local & state air pollution control agency in the conformity analysis reports and development of mobile source emissions inventories.
4. The MPO will continue to work with its state and regional partners to maintain the Regional ITS Architecture.
5. MPO will continue to conduct interagency consultations (IAC) for the nonattainment areas to ensure conformity determinations are made in a timely manner.
6. The MPO will prepare for and attend the MPO's IAC meetings (quarterly) as well as record meeting minutes, prepare meeting agendas. The MPO will also continue to participate in the Statewide IAC meetings.
7. MPO will assist TDOT and MDOT with the CMAQ funding process, as needed.
8. MPO will assist TDOT and MDOT in preparing the annual CMAQ reports, as needed.
9. The MPO will continue to participate in planning for operations, Traffic Incident Management (TIM) and Federal Self-Assessment in the Memphis region, as needed.

MPO TASKS

10. The MPO will prepare an updated Congestion Management Process (CMP), which will contain established techniques for addressing air quality and congestion needs for the MPO planning region including data collection/purchase.
11. The MPO will continue to maintain the Regional ITS Architecture & Deployment Plan and facilitate project selection for the RTP and TIP.
12. The MPO will release the RFQ for the Regional ITS Architecture & Deployment Plan in FY 2021 and contract with consultants to update the plan, which is updated approximately every four years, prior to the adoption of the RTP. The ITS Architecture update will be completed in FY 2023, prior to 2055 RTP.

TASK E. END PRODUCTS AND WORK SCHEDULE

FY 2020		
PRODUCT	TIMEFRAME	COMPLETION DATE
Air Quality Guideline Monitoring	Oct 2019 - Sept 2020	Ongoing
Conformity Assessment for RTP & TIP	Oct 2019 - Sept 2020	As Required
Mobile Source Emissions/Inventory	Oct 2019 - Sept 2020	As Required
Interagency Consultation	Oct 2019 - Sept 2020	As Required
Statewide IAC	Oct 2019 - Sept 2020	Ongoing
ITS Architecture Maintenance	Oct 2019 - Sept 2020	As Required
Congestion Management Process Update	Oct 2019 - Sept 2020	Sept 2020

FY 2021		
PRODUCT	TIMEFRAME	COMPLETION DATE
Air Quality Guideline Monitoring	Oct 2020 - Sept 2021	Ongoing
Conformity Assessment for RTP & TIP	Oct 2020 - Sept 2021	As Required
Mobile Source Emissions/Inventory	Oct 2020 - Sept 2021	As Required
Interagency Consultation	Oct 2020 - Sept 2021	As Required
Statewide IAC	Oct 2020 - Sept 2021	Ongoing
ITS Architecture Maintenance	Oct 2020 - Sept 2021	As Required
ITS Architecture Update - RFQ & Plan Development	Oct 2020 - Sept 2021	Ongoing

FUNDING FOR AIR QUALITY & CONGESTION MANAGEMENT (TASK E)

2020 Funding					
	PL-TN (80/20)	PI-TN (80/10/10)	PL-MS (80/20)	Sec 5303 (MS)	TOTAL
MPO					
Federal	\$292,192	\$51,111	\$33,495	\$20,775	\$397,574
State		\$6,389		\$5,194	\$11,583
Local*	\$73,048	\$6,389	\$8,374		\$87,811
TOTAL	\$365,240	\$63,889	\$41,869	\$25,969	\$496,967

2021 Funding					
	PL-TN (80/20)	PI-TN (80/10/10)	PL-MS (80/20)	Sec 5303 (MS)	TOTAL
MPO					
Federal	\$292,192	\$51,111	\$33,495	\$20,775	\$397,574
State		\$6,389		\$5,194	\$11,583
Local*	\$73,048	\$6,389	\$8,374		\$87,811
TOTAL	\$365,240	\$63,889	\$41,869	\$25,969	\$496,967

*City of Memphis-Shelby County and DeSoto County provides the local match for the Tennessee and Mississippi portions of PL allocation (Section 112).

* 10% local match for PL-TN (80/10/10) previously 5303, TN funding for MPO planning tasks will be provided by Shelby County. MDOT provides the entire 20% match for 5303 funding in DeSoto County, MS.

F. OUTREACH & ENGAGEMENT

PURPOSE

To provide opportunities for citizens in the Memphis MPO planning area regardless of age, sex, race, color, national origin or disability, to participate in the transportation planning process, and develop new methods of public outreach. The MPO follows all Title VI, Americans with Disabilities Act, and Limited English Proficiency guidelines in carrying out the regional transportation planning process, as described in the MPO's Public Participation Plan.

PREVIOUS OUTREACH & ENGAGEMENT TASKS

1. The MPO continued to inform citizens and advocate groups on transportation plans, programs and projects in the Memphis MPO area.
2. The MPO continued to update and maintain its website and social media for meetings and other MPO related activities.
3. The MPO continued to publish public and legal notices with media outlets in the MPO area, including media that serve minorities and transportation disadvantaged groups.
4. The MPO continued to publish and distribute its quarterly newsletter.
5. The MPO continued to evaluate and assess the Public Participation Plan (PPP) to comply with the current trends and strategies.
6. The MPO continued to translate report executive summaries into Spanish, as required.
7. The MPO continued to conduct public meetings and hearings, as necessary.
8. The MPO completed the State of the MPO Report.
9. The MPO continued to maintain & update Interactive Webmap to reflect the status of projects included in TIP and RTP.

OUTREACH & ENGAGEMENT TASKS FOR FY 2020 - 2021

1. The MPO will continue to maintain compliance with the MPO's Public Participation Plan.
2. The MPO will maintain mailing list of citizens, advocate groups, traditionally under-served or under-represented population (e.g. minorities, low-income, seniors, among others) wishing to be informed on transportation plans, programs and projects in the Memphis MPO area.
3. The MPO will work with consultant to maintain a website and social media for MPO meetings and other MPO related activities.
4. The MPO will place public and legal notices with media outlets in the MPO planning area, including media that serve minorities and transportation disadvantaged groups.
5. The MPO will publish and distribute its quarterly newsletter.
6. The MPO will evaluate and assess the Public Participation Plan (PPP) to comply with the current trends and strategies.
7. The MPO will translate report executive summaries into Spanish, as required.
8. The MPO will conduct public meetings and hearings, as necessary.
9. The MPO will complete the State of the MPO Report.
10. The MPO will continue to maintain & update Interactive Webmap to reflect the status of projects included in TIP and RTP.
11. The MPO staff will update the Public Participation Plan. The update will include reviewing the roles of the various MPO committees in the MPO activities, reviewing the current public involvement

MPO TASKS

strategies to reach various stakeholders and underrepresented groups, identifying additional outreach tools to and updated data collection\purchase to improve the overall public outreach process. The task is expected to be completed by July 2020.

12. As needed, the MPO will make presentations on the Regional Transportation Planning issues at the local and regional meetings.
13. As needed, MATA will provide legal notices for the public meetings including translation and interpretation services.

TASK F. END PRODUCTS AND WORK SCHEDULE

FY 2020		
PRODUCT	TIMEFRAME	COMPLETION DATE
Mailing list database	Oct 2019 - Sept 2020	Ongoing
Website Maintenance	Oct 2019 - Sept 2020	Ongoing
Public & legal Notices	Oct 2019 - Sept 2020	As Required
Quarterly Newsletter	Oct 2019 - Sept 2020	Quarterly
Public Participation Plan (PPP) Evaluation	Oct 2019 - Sept 2020	Ongoing
Document Translation	Oct 2019 - Sept 2020	As Required
Public Meeting & Hearing	Oct 2019 - Sept 2020	As Required
Interactive Webmap Maintenance	Oct 2019 - Sept 2020	Ongoing
State of the MPO Report	Oct 2019 - Jan 2020	Jan 2020
Public Participation Plan Update	Oct 2019 - Sept 2020	Sept 2020

FY 2021		
PRODUCT	TIMEFRAME	COMPLETION DATE
Mailing list database	Oct 2020 - Sept 2021	Ongoing
Website Maintenance	Oct 2020 - Sept 2021	Ongoing
Public & legal Notices	Oct 2020 - Sept 2021	As Required
Quarterly Newsletter	Oct 2020 - Sept 2021	Quarterly
Public Participation Plan (PPP) Evaluation	Oct 2020 - Sept 2021	Ongoing
Document Translation	Oct 2020 - Sept 2021	As Required
Public Meeting & Hearing	Oct 2020 - Sept 2021	As Required
Interactive Webmap Maintenance	Oct 2020 - Sept 2021	Ongoing
State of the MPO Report	Oct 2020 - Jan 2021	Jan 2021

MPO TASKS

FUNDING FOR OUTREACH & ENGAGEMENT (TASK F)

2020 Funding					
	PL-TN (80/20)	PI-TN (80/10/10)	PL-MS (80/20)	Sec 5303 (MS)	Total
MPO					
Federal	\$174,950	\$29,037	\$17,495	\$6,766	\$228,249
State		\$3,630		\$1,692	\$5,321
Local*	\$43,738	\$3,630	\$4,374		\$51,741
TOTAL	\$218,688	\$36,296	\$21,869	\$8,458	\$285,311

2021 Funding					
	PL-TN (80/20)	PI-TN (80/10/10)	PL-MS (80/20)	Sec 5303 (MS)	Total
MPO					
Federal	\$174,950	\$29,037	\$17,495	\$6,766	\$228,249
State		\$3,630		\$1,692	\$5,321
Local*	\$43,738	\$3,630	\$4,374		\$51,741
Sub Total	\$218,688	\$36,296	\$21,869	\$8,458	\$285,311
MATA					
Federal		\$4,000			\$4,000
State		\$500			\$500
Local*		\$500			\$500
Sub Total		\$5,000			\$5,000
TOTAL	\$218,688	\$41,296	\$21,869	\$8,458	\$290,311

*City of Memphis-Shelby County and Desoto County provides the local match for the Tennessee and Mississippi portions of PL allocation (Section 112).

**10% local match for PL-TN (80/10/10) previously 5303 TN, funding for MPO planning tasks will be provided by Shelby County. The City of Memphis provides the 10% local match for MATA planning tasks under the PL-TN (80/10/10), previously 5303 funding program. MDOT provides the entire 20% match for 5303 funding in DeSoto County, MS.

G. ACTIVE TRANSPORTATION PLANNING

PURPOSE

To provide guidance and strategies on the planning and implementation of transportation projects as related to bicycle and pedestrian travel, transit and public transportation, accessibility and connectivity issues, transportation safety, and community outreach efforts within the MPO planning area. This task will continue to build on the work previously funded by partner entities by assessing the needs of cyclists, pedestrians, and transit as the prescription of where and what types of infrastructure related to active transportation should be installed by municipalities and other entities within the MPO region.

PREVIOUS ACTIVE TRANSPORTATION PLANNING TASKS

1. MATA continued to maintain an electronic database of transit infrastructure and future networks for use in Travel Demand Modeling and Regional Transportation Plan.
2. MATA identified needed bus service and facility improvements, evaluated costs for improvements, schedule improvements based on need and availability of capital funds.
3. MATA in coordination with MPO obtained and updated local GIS data resources, and incorporated transit system data with socioeconomic and census information into the travel demand model.
4. MATA coordinated APTS (Advanced Public Transportation Systems) program and ITS data sharing functions with TDOT, the City of Memphis and other local agencies as needed to ensure that ITS strategies are integrated.
5. MATA assisted the MPO with the on-going maintenance of the MPO's Travel Demand Model by conducting surveys, evaluating model outputs using FTA's Summit software, or other modifications specified by MATA or as requested by FTA.
6. MATA assisted the MPO, TDOT, MDOT, the Arkansas State Highway and Transportation Department (AHTD) and other agencies with planning activities related to transit investments such as the Tennessee-Arkansas High Speed Rail Corridor Study and infrastructure projects such as the proposed Southern Gateway Project.
7. MATA continued to monitor transportation and transit system performance.
8. MATA continued to monitor Environmental Justice and Title VI impacts related to transit or transportation investments.
9. The MPO staff completed a Biennial report from the Memphis MPO's Bicycle and Pedestrian Plan.
10. The MPO led the selection process for eligible projects within the Memphis Urbanized Area under Transportation Alternatives (TA) funds.

ACTIVE TRANSPORTATION PLANNING TASKS FOR FY 2020 - 2021

1. MATA will continue to identify needed bus and rail service and facility improvements, evaluate costs for improvements, schedule improvements based on need and availability of capital funds.
2. MATA in coordination with MPO will continue to obtain and update local GIS data resources, and incorporate transit system data with socioeconomic and census information into the travel demand model.
3. MATA will continue to coordinate APTS (Advanced Public Transportation Systems) program and ITS data sharing functions with TDOT, the City of Memphis and other local agencies as needed to ensure that ITS strategies are integrated. These systems may include traffic signal priority projects, enhanced passenger information, ADA-compliant on-board announcements, and electronically delivered traveler information. These projects should be coordinated with regional partners to maximize benefits from transportation technology investments.
4. MATA will continue to assist the MPO with the on-going maintenance of the MPO's Travel Demand Model by conducting surveys, evaluating model outputs using FTA's Summit software, or other modifications specified by MATA or as requested by FTA.
5. MATA will continue to monitor transportation and transit system performance.
6. MATA will continue to monitor Environmental Justice and Title VI impacts related to transit or transportation investments.
7. The MPO will contract with consultants to assist with technical analysis related to short range and long-range transit planning that meet the RTP goals and objectives.
8. The MPO will continue to lead the selection process for eligible projects within the Memphis Urbanized Area under Transportation Alternatives (TA) funds.
9. The MPO in coordination with MATA and member jurisdictions will contract with consultants to update the Coordinated Public Transit - Human Services Transportation Plan (CPT-HSTP) for the MPO region, in accordance with federal requirements. The update will include technical assistance, data collection, and public outreach.
10. The MPO will contract with consultants to develop a Regional Bicycle and Pedestrian Plan covering the counties of Shelby and Fayette in Tennessee, and DeSoto and Marshall Counties in Mississippi. The plan will encompass a unified vision and goals, robust outreach, data collection\purchase, network analysis, connectivity, and routing database establishment as well as incorporate efforts for Shared Mobility. The Regional Bicycle and Pedestrian Plan is expected to be completed by September 2020.
11. The MPO will conduct studies on the livability corridors established during the development of the Livability 2040 RTP. Livability corridors are corridors that have been identified with the greatest potential for targeted multimodal enhancements that advance regional livability goals. Investments on livability corridors will focus on multimodal mobility enhancements as a priority.

TASK G. END PRODUCTS AND WORK SCHEDULE

FY 2020		
PRODUCT	TIMEFRAME	COMPLETION DATE
GIS Transit Planning Activities	Oct 2019 – Sept 2020	Ongoing
Travel Demand Model Maintenance	Oct 2019 – Sept 2020	Ongoing
Transit System Monitoring	Oct 2019 – Sept 2020	Ongoing
Bicycle & Pedestrian Plan Update	Oct 2019 – Sept 2020	Sept 2020
CPT-HSTP Update	Oct 2019 – Sept 2020	Sept 2020
Livability Corridor Studies	Oct 2019 – Sept 2020	Ongoing

FY 2021		
PRODUCT	TIMEFRAME	COMPLETION DATE
GIS Transit Planning Activities	Oct 2020 - Sept 2021	Ongoing
Travel Demand Model Maintenance	Oct 2020 - Sept 2021	Ongoing
Transit System Monitoring	Oct 2020 - Sept 2021	Ongoing
Livability Corridor Studies	Oct 2020 - Sept 2021	Ongoing

MPO TASKS

FUNDING FOR ACTIVE TRANSPORTATION PLANNING (TASK G)

2020 Funding					
	PL-TN (80/20)	PI-TN (80/10/10)	PL-MS (80/20)	Sec 5303 (MS)	TOTAL
MPO					
Federal	\$194,317	\$65,186	\$18,748	\$26,227	\$304,477
State		\$8,148		\$6,557	\$14,705
Local*	\$48,579	\$8,148	\$4,687		\$61,414
Sub Total	\$242,896	\$81,482	\$23,434	\$32,784	\$380,596
MATA					
Federal		\$84,000			\$84,000
State		\$10,500			\$10,500
Local*		\$10,500			\$10,500
Sub Total		\$105,000			\$105,000
TOTAL	\$242,896	\$186,482	\$23,434	\$32,784	\$485,596

2021 Funding					
	PL-TN (80/20)	PI-TN (80/10/10)	PL-MS (80/20)	Sec 5303 (MS)	TOTAL
MPO					
Federal	\$194,317	\$65,186	\$18,748	\$26,227	\$304,477
State		\$8,148		\$6,557	\$14,705
Local*	\$48,579	\$8,148	\$4,687		\$61,414
Sub Total	\$242,896	\$81,482	\$23,434	\$32,784	\$380,596
MATA					
Federal		\$80,000			\$80,000
State		\$10,000			\$10,000
Local*		\$10,000			\$10,000
Sub Total		\$100,000			\$100,000
TOTAL	\$242,896	\$181,482	\$23,434	\$32,784	\$480,596

* City of Memphis-Shelby County provides the local match for the Tennessee portions of PL allocation (Section 112).

* *10% local match for PL-TN (80/10/10) previously Section 5303, TN funding for MPO planning tasks will be provided by Shelby County. The City of Memphis provides the 10% local match for MATA planning tasks under the PL-TN (80/10/10), previously 5303 funding program. MDOT provides the entire 20% match for 5303 funding in DeSoto County, MS.

H. PLANNING CONTINGENCY

PURPOSE

The amounts programmed for Task H: Planning Contingency consist of a balance of Tennessee Consolidated Planning Grants (CPG) funds for Fiscal Year 2020-21. These funds may be used to cover cost increases for listed planning tasks or the inclusion of additional planning tasks as requested by the members of the Memphis Urban Area MPO. Any change in UPWP funding will be subject to the amendment/adjustment process, including a recommendation by the Engineering and Technical Committee and approval by the TPB, as described in Section II: About the UPWP.

FUNDING FOR PROGRAM ADMINISTRATION ACTIVITIES (TASK H)

2020 Funding		
	PI-TN (80/10/10)	Total
MPO		
Federal	\$56,885	\$56,885
State	\$7,111	\$7,111
Local	\$7,111	\$7,111
TOTAL	\$71,106	\$71,106

2021 Funding		
	PI-TN (80/10/10)	Total
MPO		
Federal	\$56,885	\$56,885
State	\$7,111	\$7,111
Local	\$7,111	\$7,111
TOTAL	\$71,106	\$71,106

10% local match for PL-TN (80/10/10) previously 5303 TN, funding for MPO planning tasks will be provided by Shelby County.

Section IV: UPWP Funding

UPWP FUNDING**FUNDING SOURCES FOR PLANNING ACTIVITIES**

Following are the funding sources that were used for planning activities in this UPWP:

FEDERAL HIGHWAY ADMINISTRATION (FHWA) Funds:***METROPOLITAN PLANNING FUNDS (PL-Section 112):***

The Federal Highway Administration (FHWA) annually allocates PL funding to State DOTs in the nation, who then sub-allocates PL funds to all MPOs based on a formula, for MPO planning related activities. These federal planning funds require local matching funds of 20% which is typically provided by local governments. The PL funds are used for paying MPO staff salaries, various MPO's plans or studies etc.

STATE PLANNING AND RESEARCH FUNDS (SPR):

This is another source of federal funds that are allocated under the FHWA's State Planning & Research Program and administered by Tennessee Department of Transportation (TDOT). This fund requires a 20% match that may be provided either by the state DOT or by local jurisdictions.

FEDERAL TRANSIT ADMINISTRATION (FTA) FUNDS - Section 5303:

These are federal funds designated for planning activities that support the economic vitality of the metropolitan area, increase the safety and security of the transportation system, increase the accessibility and mobility of people and for freight, 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, enhance the integration and connectivity of the transportation system, promote efficient system management and operation and finally emphasize the preservation of the existing transportation system. These funds also require a 20% match which is typically divided between state and local government, with each contributing 10%.

FUNDS CARRIED OVER FROM FY 2018-19 TO FY 2020-21:

For Tennessee, the total amount of FHWA PL - Section 112 funds carried over from FY 2018-19 is estimated to be \$2,848,106 and the estimated allocation for FY 2020-21 is \$2,286,152. For Tennessee, the CPG carryover amount is estimated to be \$494,328 and the estimated allocation for FY 2020-21 is \$777,748.

For Mississippi, the total amount of FHWA PL - Section 112 funds carried over from FY 2018-19 is estimated to be \$230,571 and the estimated allocation for FY 2020-21 is \$526,344. For Mississippi FTA Section 5303 funds, the carryover amount is estimated to be \$59,239 and the estimated allocation for FY 2020-21 is \$146,000.

CONSOLIDATED PLANNING GRANT (CPG):

Tennessee receives a direct apportionment of FHWA Section 112 Metropolitan planning (PL) funds and Federal Transit Administration (FTA) Section 5303 planning funds. TDOT participates in the Consolidated Planning Grant (CPG) Program, where FHWA and FTA planning funds are combined into a single fund

administered by FHWA. The funds are distributed to the MPOs and administered by TDOT's Long Range Planning Division in accordance with 23 CFR 420.109. The PL distribution formula gives each MPO a base amount plus an amount based on their 2010 Census Urbanized Area Population and the formula also retains a small portion for TDOT to use for the benefit of all the MPOs. The distribution formula for the 5303 funds is based on each MPO's 2010 Census Urbanized Area Population.

The funds originating with FHWA require a 20% local match, resulting in an 80% Federal/20% Local split. The funds originating with FTA also require 20% matching funds. TDOT provides half of the match, resulting in an 80% Federal/10% State/10% Local split.

The funds originating with FHWA require a 20% local match, resulting in an 80% Federal/20% Local split. The funds originating with FTA also require 20% matching funds. TDOT provides half of the match, resulting in an 80% Federal/10% State/10% Local split.

UPWP FUNDING

FY 2020 FUNDING BY SOURCE

FY 2020 FUNDING BY SOURCE									
	TASK A Administration	TASK B Data Collection & Performance Measures	TASK C Short Range Planning	TASK D Regional Transportation Planning	TASK E Air Quality & Congestion Management	TASK F Outreach & Engagement	TASK G Active Transportation Planning	TASK H Planning Contingency	FUND SOURCE TOTAL
FHWA TN FUNDS									
PL (80/20)	\$790,918	\$411,584	\$291,584	\$411,584	\$292,192	\$174,950	\$194,317		\$2,567,129
Local Match	\$197,729	\$102,896	\$72,896	\$102,896	\$73,048	\$43,738	\$48,579		\$641,782
Subtotal	\$988,647	\$514,480	\$364,480	\$514,480	\$365,240	\$218,688	\$242,896		\$3,208,911
SPR	\$20,398	\$17,012		\$55,294					\$92,704
SPR TDOT Match	\$5,099	\$4,253		\$13,822					\$23,174
Subtotal	\$25,497	\$21,265		\$69,116					\$115,878
FHWA MS FUNDS									
PL (80/20)	\$150,846	\$51,475	\$53,187	\$53,213	\$33,495	\$17,495	\$18,748		\$378,458
Local Match	\$37,711	\$12,869	\$13,297	\$13,303	\$8,374	\$4,374	\$4,687		\$94,615
Subtotal	\$188,557	\$64,344	\$66,484	\$66,516	\$41,869	\$21,869	\$23,434		\$473,073
PL/FTA FUNDS									
PL (80/10/10)	\$47,111	\$151,111	\$56,485	\$95,111	\$51,111	\$29,037	\$149,186	\$56,885	\$636,038
TDOT Match	\$5,889	\$18,889	\$7,061	\$11,889	\$6,389	\$3,630	\$18,648	\$7,111	\$79,505
Local Match	\$5,889	\$18,889	\$7,061	\$11,889	\$6,389	\$3,630	\$18,648	\$7,111	\$79,505
Sec 5303 MS	\$366	\$11,663	\$8,916	\$27,906	\$20,775	\$6,766	\$26,227		\$102,620
Sec 5303 MDOT Match	\$92	\$2,916	\$2,229	\$6,976	\$5,194	\$1,692	\$6,557		\$25,655
Subtotal	\$59,347	\$203,468	\$81,751	\$153,772	\$89,858	\$44,754	\$219,266	\$71,106	\$923,323
TASK TOTAL	\$1,262,048	\$803,557	\$512,715	\$803,884	\$496,967	\$285,311	\$485,596	\$71,106	\$4,721,185

FY 2020 FUNDING BY AGENCY

FY 2020 FUNDING BY EXPENDING AGENCY									
	TASK A Administration	TASK B Data Collection & Performance Measures	TASK C Short Range Planning	TASK D Regional Transportation Planning	TASK E Air Quality & Congestion Management	TASK F Outreach & Engagement	TASK G Active Transportation Planning	TASK H Planning Contingency	AGENCY TOTAL
MPO									
Federal	\$989,241	\$609,834	\$410,172	\$587,814	\$397,574	\$228,249	\$304,477	\$56,885	\$3,584,245
State	\$5,981	\$19,805	\$9,290	\$18,865	\$11,583	\$5,321	\$14,705	\$7,111	\$92,660
Local	\$241,330	\$132,654	\$93,253	\$128,088	\$87,811	\$51,741	\$61,414	\$7,111	\$803,402
Subtotal	\$1,236,551	\$762,292	\$512,715	\$734,768	\$496,967	\$285,311	\$380,596	\$71,106	\$4,480,307
TDOT									
Federal	\$20,398	\$17,012		\$55,294					\$92,704
State	\$5,099	\$4,253		\$13,822					\$23,174
Subtotal	\$25,497	\$21,265		\$69,116					\$115,878
MATA									
Federal		\$16,000					\$84,000		\$100,000
State		\$2,000					\$10,500		\$12,500
Local		\$2,000					\$10,500		\$12,500
Subtotal		\$20,000					\$105,000		\$125,000
TASK TOTAL	\$1,262,048	\$803,557	\$512,715	\$803,884	\$496,967	\$285,311	\$485,596	\$71,106	\$4,721,185

UPWP FUNDING

FY 2021 FUNDING BY SOURCE

FY 2021 FUNDING BY SOURCE									
	TASK A Administration	TASK B Data Collection & Performance Measures	TASK C Short Range Planning	TASK D Regional Transportation Planning	TASK E Air Quality & Congestion Management	TASK F Outreach & Engagement	TASK G Active Transportation Planning	TASK H Planning Contingency	FUND SOURCE TOTAL
FHWA TN FUNDS									
PL (80/20)	\$790,918	\$411,584	\$291,584	\$411,584	\$292,192	\$174,950	\$194,317		\$2,567,129
Local Match	\$197,729	\$102,896	\$72,896	\$102,896	\$73,048	\$43,738	\$48,579		\$641,782
Subtotal	\$988,647	\$514,480	\$364,480	\$514,480	\$365,240	\$218,688	\$242,896		\$3,208,911
SPR	\$20,398	\$17,012		\$55,294					\$92,704
SPR TDOT Match	\$5,099	\$4,253		\$13,822					\$23,174
Subtotal	\$25,497	\$21,265		\$69,116					\$115,878
FHWA MS FUNDS									
PL (80/20)	\$150,846	\$51,475	\$53,187	\$53,213	\$33,495	\$17,495	\$18,748		\$378,458
Local Match	\$37,711	\$12,869	\$13,297	\$13,303	\$8,374	\$4,374	\$4,687		\$94,615
Subtotal	\$188,557	\$64,344	\$66,484	\$66,516	\$41,869	\$21,869	\$23,434		\$473,073
PL/FTA FUNDS									
PL (80/10/10)	\$47,111	\$151,111	\$56,485	\$95,111	\$51,111	\$33,037	\$145,186	\$56,885	\$636,038
TDOT Match	\$5,889	\$18,889	\$7,061	\$11,889	\$6,389	\$4,130	\$18,148	\$7,111	\$79,505
Local Match	\$5,889	\$18,889	\$7,061	\$11,889	\$6,389	\$4,130	\$18,148	\$7,111	\$79,505
Sec 5303 MS	\$366	\$11,663	\$8,916	\$27,906	\$20,775	\$6,766	\$26,227		\$102,620
Sec 5303 MDOT Match	\$92	\$2,916	\$2,229	\$6,976	\$5,194	\$1,692	\$6,557		\$25,655
Subtotal	\$59,347	\$203,468	\$81,751	\$153,772	\$89,858	\$49,754	\$214,266	\$71,106	\$923,323
TASK TOTAL	\$1,262,048	\$803,557	\$512,715	\$803,884	\$496,967	\$290,311	\$480,596	\$71,106	\$4,721,185

FY 2021 FUNDING BY AGENCY

FY 2021 FUNDING BY EXPENDING AGENCY									
	TASK A Administration	TASK B Data Collection & Performance Measures	TASK C Short Range Planning	TASK D Regional Transportation Planning	TASK E Air Quality & Congestion Management	TASK F Outreach & Engagement	TASK G Active Transportation Planning	TASK H Planning Contingency	AGENCY TOTAL
MPO									
Federal	\$989,241	\$609,834	\$410,172	\$587,814	\$397,574	\$228,249	\$304,477	\$56,885	\$3,584,245
State	\$5,981	\$19,805	\$9,290	\$18,865	\$11,583	\$5,321	\$14,705	\$7,111	\$92,660
Local	\$241,330	\$132,654	\$93,253	\$128,088	\$87,811	\$51,741	\$61,414	\$7,111	\$803,402
Subtotal	\$1,236,551	\$762,292	\$512,715	\$734,768	\$496,967	\$285,311	\$380,596	\$71,106	\$4,480,307
TDOT									
Federal	\$20,398	\$17,012		\$55,294					\$92,704
State	\$5,099	\$4,253		\$13,822					\$23,174
Subtotal	\$25,497	\$21,265		\$69,116					\$115,878
MATA									
Federal		\$16,000				\$4,000	\$80,000		\$100,000
State		\$2,000				\$500	\$10,000		\$12,500
Local		\$2,000				\$500	\$10,000		\$12,500
Subtotal		\$20,000				\$5,000	\$100,000		\$125,000
TASK TOTAL	\$1,262,048	\$803,557	\$512,715	\$803,884	\$496,967	\$290,311	\$480,596	\$71,106	\$4,721,185

Section V: Appendix

APPENDIX

APPENDIX A: OTHER STUDIES

The following is a list of other studies currently underway by the partner agencies:

1. Tennessee Department of Transportation (TDOT) - Multimodal Corridor Study.

The purpose of the Multimodal Corridor Study is to identify short-and long-term solutions for improving problem spots along entire corridors. The results will provide a prioritized listing of potential multimodal projects that can be considered by TDOT or by local planning organizations.

Interstates 55, 75 & 26 and 40 & 81 have been classified in the Tennessee Long-Range Transportation Plan as routes critical to statewide mobility and regional connectivity. The Plan classified routes needing improvement, while protecting and maximizing capacity over the next decade.

The studies will also investigate a range of multimodal solutions to address future travel demands, with emphases on managing congestion, improving safety, maximizing the potential for freight diversion and preserving/enhancing the corridors' economic benefits. Both technical analysis and input from local officials and individuals are needed to provide as much data as possible (<https://www.tn.gov/tdot/projects/transportation-studies.html>). These studies will be completed in 18-months.

The Interstate 55/75/26 Multimodal Corridor Study expected to be completed by March 2020 and was budgeted for \$1.8 million with \$1,440,000 SPR funds and \$360,000 state funds. The Interstate 40/81 Multimodal Corridor Study is expected to be completed in June 2020, and was budgeted for \$2.5 million with \$2 million SPR funds and \$500,000 state funds.

2. STBG-M Funded Studies

Agency	Project Name	Total Federal Funds
Collierville	Major Road Plan Update	\$96,000
Germantown	Major Road Plan Update	\$80,000
Germantown	Intersection Safety Audit	\$160,000
Lakeland	Lakeland Transportation Plan Update	\$280,000
Memphis	Intersection Safety and Design	\$400,000
Memphis	State of Walking and Bicycling	\$480,000



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