

Unified Planning Work Program

**Amendment 2 Approved
Fiscal Years
2019 and 2020**

(October 1, 2018 - September 30, 2020)



PREPARED BY

**CENTRAL MISSISSIPPI
PLANNING AND
DEVELOPMENT DISTRICT**
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**CITY OF JACKSON
DEPARTMENT OF
PLANNING & DEVELOPMENT**
Transit Services Division
1785 Highway 80 West
Jackson, MS 39204

in cooperation with

**MS Department of
Transportation
Federal Highway
Administration
Federal Transit
Administration**

WHAT is the UPWP?

The Unified Planning Work Program, which may also be referred to simply as the UPWP, describes how the Jackson Metropolitan Planning Organization (MPO) and the designated public transit provider (JATRAM) will spend federal transportation planning funds in a given fiscal year. Preparation of a UPWP is required by federal transportation legislation. The most recent reauthorization of transportation legislation is the Fixing America's Surface Transportation (FAST) Act. Regulations related to transportation planning are enacted into law through Titles 23 and 49 of the United States Code. All requirements for the development of a UPWP are outlined in the Code of Federal Regulations (23 CFR 450.308). The UPWP must represent a continuing, cooperative, and comprehensive performance-based approach to multimodal transportation planning activities, and is prepared with cooperation and guidance from federal, state, and local entities, as well as other transportation stakeholders.

This UPWP describes all transportation planning activities to be performed related to the Jackson, Mississippi Metropolitan Planning Area during Fiscal Years (FYs) 2019 and 2020 (October 1, 2018, through September 30, 2020). It includes a listing of major activities and tasks anticipated to be performed including details on who will complete the work, the schedule for completing the work, the resulting products, the proposed funding by activity/task, and a summary of the total sources of federal and local matching funds.

How is the Jackson MPO Organized?

The Jackson Metropolitan Area encompasses an area of approximately 1,557 square miles and is made up of 16 municipalities and portions of 3 counties in Central Mississippi.

The Jackson MPO operates under a committee structure comprised of the Metropolitan Planning Policy Committee and the Intermodal Technical Committee. In addition, the MPO is served by two advocacy committees, the Stakeholders Committee and the Bicycle and Pedestrian Subcommittee. The UPWP is one of several key documents the Jackson MPO is required to develop and maintain for the Jackson Metropolitan area. Other key documents include: the Metropolitan Transportation

WHAT IS AN MPO?

MPO stands for Metropolitan Planning Organization.

In order to receive federal transportation funds, each urbanized area with a population of 50,000 or more must conduct a continuing, cooperative and comprehensive performance-based multimodal transportation planning process as outlined in federal regulations that engages state and local governments, transit providers, and an array of transportation stakeholders, as well as the general public.

The Central MS Planning and Development District (CMPDD) was designated by the governor as the MPO for the Jackson Urbanized area in 1975, and is responsible for carrying out the federally mandated transportation planning process in the Jackson Metropolitan Area.

Plan (MTP), Transportation Improvement Program (TIP), Public Participation Plan (PPP), Project Submittal Guidelines, and MPO Bylaws or Prospectus.

Who is the Designated Transit Provider?

The City of Jackson, which operates JATRAN, is the federally recognized public transit service provider for the Jackson Metropolitan area. The City of Jackson currently provides two types of public transit services to the citizens of Jackson, Mississippi. These services include fixed route and on-demand or paratransit service. Federal regulations outlined in Titles 23 and 49 of the United States Code establishes requirements for MPOs and public transportation operators to work cooperatively to conduct the transportation planning process for all Metropolitan areas. As a result, the Jackson MPO and the City of Jackson are required to produce several joint documents including this UPWP.

How is the UPWP Funded?

Federal funding that supports much of the work described in this UPWP comes from two main sources: the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). Local matching funds for each Federal funding source are identified under each task and include a mix of matching funds provided by CMPDD, the City of Jackson, and/or the MS Department of Transportation (MDOT). Federal funds identified in this plan include:

- FHWA Planning (PL) Funds
- FTA 5307 Funds
- FTA 5305d and 5305e Funds flexed to FHWA under the Consolidated Planning Grant Program and referred to in this document as FTA Flex Funds
- MAP-21 Section 20005(b) FTA's discretionary Transit Oriented Development Planning pilot program
- Statewide Planning and Research (SPR) Funds
- Surface Transportation Block Grant (STBG) Funds

What are the Planning Priorities?

Federal legislation requires the Jackson MPO working in cooperation with FHWA, FTA, MDOT, and the City of Jackson to consider specific planning factors when developing transportation plans and programs in the metropolitan area. Each planning factor identified in the FAST Act (23 CFR 450.306(b)) is addressed throughout this UPWP, as appropriate, in various tasks (Table 1).

As outlined in legislation, the Jackson MPO has the continued responsibility of preparing and maintaining the long-range Metropolitan Transportation Plan, the Transportation Improvement Program, Congestion Management Process, Public Participation Process, and the Unified Planning Work Program. Therefore, this 2-year work program represents a continuation of the strategic planning process outlined in previous work programs, and emphasizes implementing performance-based planning principles by setting performance targets and evaluating system performance measure outcomes. Furthermore, this UPWP continues to place a high priority on

Transportation Planning Factors

1. **Support** the **economic vitality** of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. **Increase** the **safety** of the transportation system for motorized and non-motorized users;
3. **Increase** the **security** of the transportation system for motorized and non-motorized users;
4. **Increase accessibility** of people and freight;
5. **Protect** and enhance the **environment**, promote energy conservation, improve the quality of life, and promote **consistency between** transportation improvements and State and local **planned growth and economic development**;
6. **Enhance** the **integration** and **connectivity** of the transportation system, across and between modes, for people and freight;
7. **Promote** efficient **system management** and **operation**;
8. Emphasize the **preservation of the existing** transportation **system**;
9. **Improve** the **resiliency** and **reliability** of the transportation system and **reduce** or **mitigate** stormwater **impacts** of surface transportation; and
10. **Enhance** travel and **tourism**.

Source: 23 CFR 450.306(b)

maintaining, improving, and utilizing resources and data collected by the MPO to advance the transportation decision-making process.

What are the Challenges within the Planning Area?

Planning challenges and emphasis areas for the Jackson MPO for the Fiscal Years 2019 and 2020 UPWP time period include:

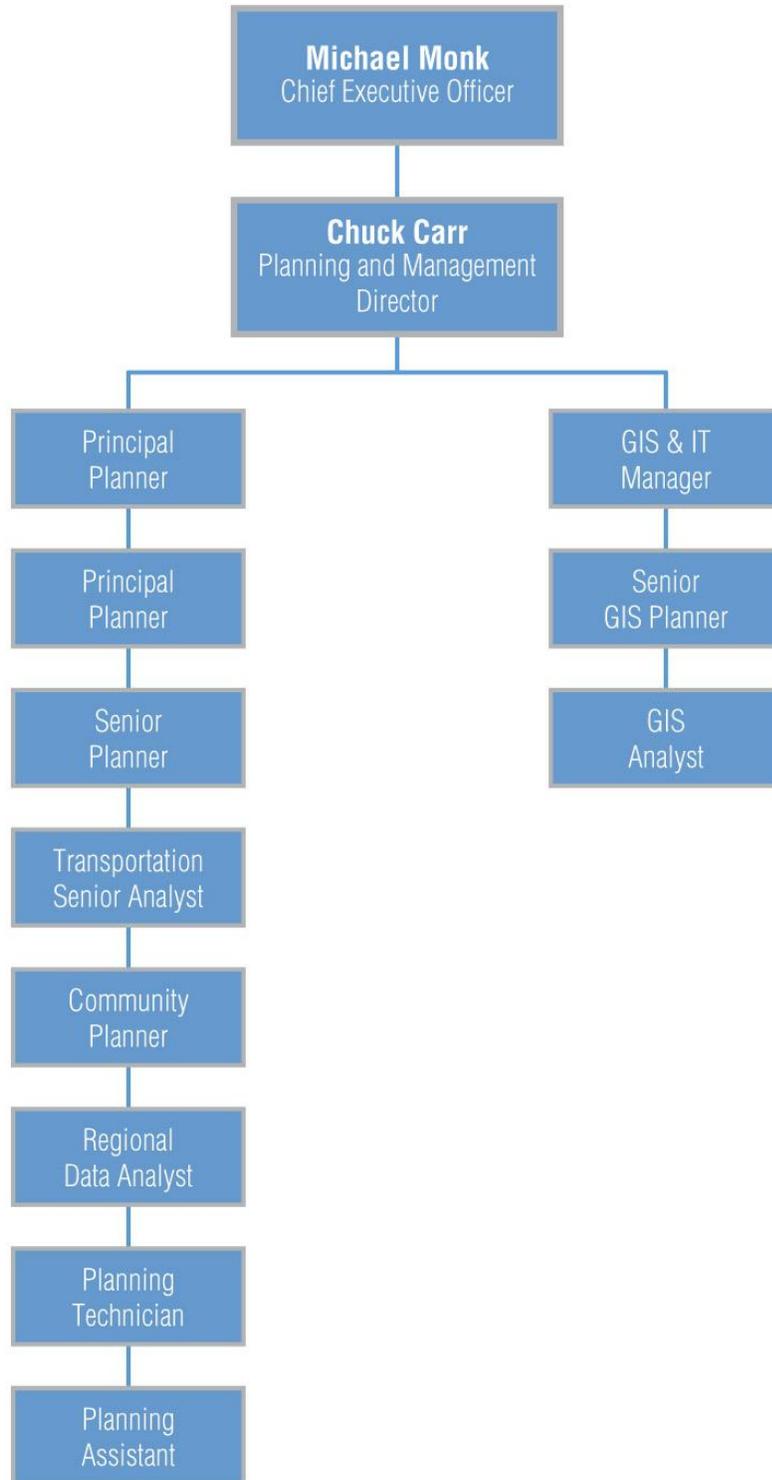
- Examining performance data and establishing initial targets for each performance measure by the date established in final rulemaking regulations.
- Updating and developing a revised long-range Metropolitan Transportation Plan which forecast the regions multimodal transportation needs to the year 2045. This will require the coordination of multiple efforts over FY 2019 and 2020 including:
 - Updating the Travel demand model – activities include building upon the base year 2013 socioeconomic data to forecast data for the 2045 Metropolitan Transportation Plan update;

- Developing an updated Thoroughfare Plan – the Thoroughfare Plan provides a long term vision of the major street network necessary to meet future travel needs.
 - Updating the Bicycle and Pedestrian Plan – the Bicycle and Pedestrian Plan will be updated to include an updated list of proposed non-motorized projects;
 - Revising the Public Transit Plan – the Public Transit Plan will be expanded to provide substantiating data to confirm available funding to maintain transit facilities;
 - Updating the Freight Plan – the Freight Plan element will be updated in coordination with the State’s Freight Plan update; and
 - Developing a system performance report – the performance report will examine baseline data for performance measures in comparison to established target.
- Revising the MPO’s Congestion Management Process to ensure it is expanded to include robust multimodal components such as land use management, transit, and other non-highway strategies.
 - Maintaining a robust public outreach approach that not only engages the public and stakeholders during large outreach efforts such as the update of the MTP, but maintains continuous interest throughout the transportation planning process.

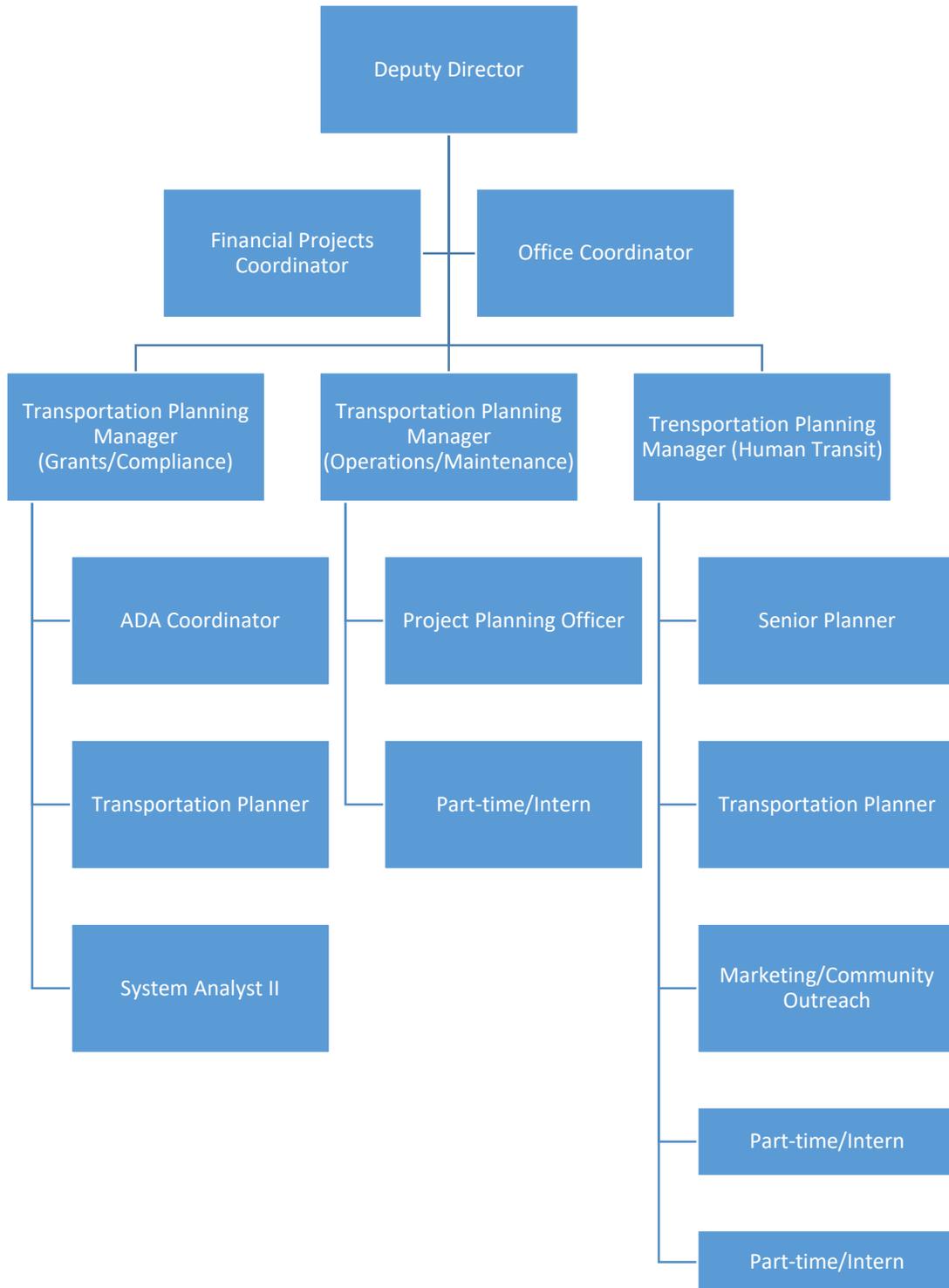
FAST ACT PLANNING FACTORS ADDRESSED BY TASK

TASK	Planning Factors									
	Economic Vitality	Enhance Safety	Enhance Security	Accessibility and Mobility	Planned Growth	Connectivity for People & Freight	System Management & Operation	Preserve Existing System	Resiliency and Reliability	Travel & Tourism
TASK 100 TRANSPORTATION PLANNING PROCESS PROGRAM ADMINISTRATION										
100.01 Program Management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100.02 Prospectus/UPWP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100.03 PPP/Citizen Involvement	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TASK 200 SYSTEM PLANNING										
200.01 Measures / Targets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
200.02 Roadway & Bridges Plan; Local Plans	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
200.03 Bicycle & Pedestrian Plan	✓	✓	✓	✓	✓	✓	✓	✓		✓
200.04 Transit Plan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
200.05 Freight Planning	✓	✓	✓	✓	✓	✓	✓	✓	✓	
200.06 TIP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TASK 300 DATA COLLECTION AND ANALYSIS										
300.01 Pavement Management	✓	✓		✓	✓	✓	✓	✓	✓	✓
300.02 Congestion Mgmt. Element	✓			✓	✓	✓	✓	✓	✓	✓
300.03 Traffic Counting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
300.04 Traffic Sign Program		✓		✓			✓	✓	✓	
300.05 Trans. Database	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TASK 400 SUPPORT ACTIVITIES										
400.01 Professional Development	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
400.02 Special Studies	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
400.03 ONELINE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Central Mississippi Planning and Development District
Planning Division Organization Chart



City of Jackson Transit Services Division Organization Chart



Anticipated Revenue: Unified Planning Work Program Fiscal Years 2019 – 2020

Fiscal Year	FHWA			FTA		Match			TOTALS
	Section 104(f) PL	Section 133 STBG	State Planning & Research	CMPDD Flex Funds	Jackson FTA Fund	MDOT	CMPDD	Jackson	
Estimated Carryover Funds	\$1,812,000	\$0	\$0	\$766,400	\$1,706,701	\$191,600	\$453,000	\$426,675	\$5,356,376
Anticipated FY 2019 Allocation	\$737,326	\$328,000	\$76,000	\$264,036	\$1,990,805	\$85,009	\$266,332	\$497,701	\$2,995,209
Anticipated FY 2020 Allocation	\$752,073	\$0	\$76,000	\$269,317	\$990,805	\$86,329	\$188,018	\$247,701	\$2,610,243
TOTALS	\$3,301,399	\$328,000	\$152,000	\$1,299,753	\$4,688,311	\$362,938	\$907,350	\$1,172,077	\$12,211,828

Funding Summary by Task: Listing of Projected Projects for the Work Program Period Fiscal Years 2019 – 2020

Sub Task	Description	FHWA			FTA			Match			TOTALS
		Section 104(f) PL	Section 133 STBG	State Planning & Research	CMPDD Flex Funds	Jackson 5307	Jackson Discretionary 5309	MDOT	CMPDD	Jackson	
100.01	Program Management	\$600,000			\$200,000	\$3,618,311		\$50,000	\$150,000	\$904,577	\$5,522,888
100.02	Prospectus / UPWP	\$60,000			\$20,000	\$20,000		\$5,000	\$15,000	\$5,000	\$125,000
100.03	PPP / Citizen Involvement	\$50,000			\$50,000			\$12,500	\$12,500		\$125,000
200.01	Performance Measures / Targets	\$60,000			\$60,000			\$15,000	\$15,000		\$150,000
200.02	Roadway Element / Local Plan	\$900,000			\$319,877			\$79,969	\$225,000		\$1,524,846
200.03	Bicycle and Pedestrian	\$60,000			\$20,000			\$5,000	\$15,000		\$100,000
200.04	Transit Planning	\$60,000			\$80,000			\$20,000	\$15,000		\$175,000
200.05	Freight Planning	\$60,000							\$15,000		\$75,000
200.06	TIP	\$100,000			\$30,000			\$7,500	\$25,000		\$162,500
300.01	Pavement Management		\$253,000						\$63,250		\$316,250
300.02	Congestion Management	\$80,000			\$40,000			\$10,000	\$20,000		\$150,000
300.03	Traffic Counting Program			\$152,000				\$38,000			\$190,000
300.04	Traffic Sign Retro-reflectivity		\$75,000						\$18,750		\$93,750
300.05	Transportation Database	\$900,000			\$319,876			\$79,969	\$225,000		\$1,524,845
400.01	Professional Development	\$160,000			\$160,000	\$50,000		\$40,000	\$40,000	\$12,500	\$462,500
400.02	Special Studies	\$211,399							\$52,850		\$264,249
400.03	ONELINE Study						\$1,000,000			\$250,000	\$1,250,000
	TOTALS	\$3,301,399	\$328,000	\$152,000	\$1,299,753	\$3,688,311	\$1,000,000	\$362,938	\$907,350	\$1,172,077	\$12,211,828

TASK: 100 Transportation Planning Process Program Administration**Responsible Party and Contact Information:**

Name/Title:	Chuck Carr, Planning and Management Director	Christine Welch, Deputy Director Transit Services Division
Telephone Number:	601-981-1511	601-960-1909
Email:	ccarr@cmpdd.org	cwelch@jacksonms.gov

Purpose and Scope:

The purpose of this Task is to group under one heading all activities and costs which are not directly assignable to specific transportation planning tasks included in this Unified Planning Work Program. This will enable the MPO to more effectively monitor time expenditures and costs which are directly related to the planning work elements included under other Tasks.

SUBTASK: 100.01 Program Management**Responsible Party and Contact Information:**

Name/Title:	Chuck Carr, Planning and Management Director	Christine Welch, Deputy Director Transit Services Division
Telephone Number:	601-981-1511	601-960-1909
Email:	ccarr@cmpdd.org	cwelch@jacksonms.gov

Purpose and Scope:

The purpose of this subtask are: (1) to enable CMPDD personnel to carry out those responsibilities which are essential to the administration of the Transportation Planning Process, but which are not a part of specific transportation planning tasks included in this UPWP; 2) to enable the City of Jackson Transit Services Division to carry out those responsibilities which are essential to the administration and operational management oversight services provided to the City's mass transit programs, but which are not necessarily part of any specific transportation planning task included in this UPWP; and (3) to provide funds for the purchase, lease or rental of equipment, supplies and materials, and services which are necessary to carry out FTA's Section 5307 Urbanized Area Formula Grant Program.

Accomplishments During Previous Work Program Period:

Examples of program management activities performed by the CMPDD during Fiscal Years 2017 and 2018 include: (1) preparation of progress reports and invoices for submission to Federal and State agencies in connection with transportation planning work performed under the direction of the MPO; (2) participation in meetings of the Intermodal Technical Committee, the Bicycle and Pedestrian Subcommittee, the Transit Committee, and the Metropolitan Planning Policy Committee; and (3) CMPDD staff meetings that include persons assigned to transportation planning-related tasks.

Planned Activities for the Proposed Work Program:

During Fiscal Years 2019 and 2020 the staff of the MPO will continue to perform general administrative activities associated with the Transportation Planning Process, including, but not limited to: (1) general supervision by the Planning and Management Director of personnel assigned to specific transportation planning tasks; (2) preparation of progress reports, invoices, and planning work schedules; (3) meetings with the Federal Highway Administration, Mississippi Department of Transportation, Transit Administration, and other stakeholder representatives regarding the Transportation Planning Process; and (4) complete a certification review during the last half of Fiscal Year 2020. The Jackson Urbanized Area TMA planning process is currently certified until October 1, 2020.

Progress reports submitted by CMPDD to the Federal Highway Administration and Federal Transit Administration through the Mississippi Department of Transportation will include descriptions of program management activities performed by the MPO staff during each quarter.

During FY 2019 and 2020 the City of Jackson's Transit Services Division will perform all the administrative activities and operational management oversight services associated with the proper management and monitoring of the City's FTA grants, including, but not limited to: (1) general supervision by the Transit Services Division Manager of personnel assigned to specific transportation planning activities and tasks; (2) preparation of status/ progress reports, budgetary/ financial reports, and grant applications, as well as any other documents or information requested by local, state, and federal officials with regard to the City's transportation programs; (3) provision of administrative, budgetary, financial, and operational management oversight services to the City's public transportation systems; (4) preparation for and participation in meetings of the Jackson MPO; and (5) organizing, preparing for, and participating in meetings of various committees, boards, and community organizations related to local transportation activities.

Program management products developed by the City of Jackson's Transit Services Division will include:

- FTA Federal Financial Reports (FFR)/Milestone Progress Reports (MPR) - Quarterly.
- Miscellaneous FTA Reports - throughout the year.
- FTA Grant Applications.
- Budgets and related documents.
- Staff time and support for City related transportation activities of MPO, MDOT, and various committees, boards, and community organizations.

Project Costs for Subtask 100.01: Program Management

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Jackson Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$600,000			\$150,000		\$750,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (2)		\$200,000	\$50,000			\$250,000
Jackson FTA, Section 5307 Title 49, U.S.C. funds (80%) and City of Jackson Match (20%) (3)		\$3,618,311			\$904,577	\$4,522,888
Total Funds Subtask 100.01	\$600,000	\$3,818,311	\$50,000	\$150,000	\$904,577	\$5,522,888

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, general supplies and services, meeting expenses, advertising expenses, equipment maintenance, plus computer related hardware and software for use by MPO personnel engaged in transportation planning-related activities.

(2) Includes MPO personnel salaries, fringe benefits and indirect costs and local travel.

(3) Includes City of Jackson salaries, fringe benefits, indirect costs, travel associated with administrative activities, services, and supplies.

SUBTASK: 100.02 Preparation / Revision of Prospectus and Unified Planning Work Program (UPWP)

Responsible Party and Contact Information:

Name/Title:	Chuck Carr, Planning and Management Director	Christine Welch, Deputy Director Transit Services Division
Telephone Number:	601-981-1511	601-960-1909
Email:	ccarr@cmpdd.org	cwelch@jackosnms.gov

Purpose and Scope:

The purposes of this subtask are: (1) to provide for the revision of the Prospectus for the Jackson Metropolitan Area Transportation Planning Process as necessary, and (2) to provide for the preparation and revision, when necessary, of the Unified Planning Work Program (UPWP)

Accomplishments During Previous Work Program Period:

The Prospectus for the Jackson Metropolitan Area was amended once during Fiscal Years 2017 and 2018, and no amendments to the UPWP for Fiscal Years 2017 and 2018 were necessary during the time period. In August 2017, amendments were made to the Prospectus adding provisions to the project management section addressing Transportation Alternative (TA) funding awarded by the MPO. Language was added to streamline the project management process for TA projects and to ensure approved TA projects are implemented in a timely manner. In addition, language addressing performance based planning and performance measures and target setting was added to the MPO's list of responsibilities. Furthermore, the UPWP for Fiscal Years 2019 and 2020 has been prepared during Fiscal Year 2018.

Planned Activities for the Proposed Work Program:

As CMPDD implements the final rules regarding performance measure and target setting outlined in Fixing America's Surface Transportation (FAST) Act (Pub. L. No. 114-94), and Moving Ahead for Progress in the 21st Century Act (MAP-21) (Pub. L. No. 112-141) it may necessitate revisions to the Prospectus for the Jackson Metropolitan Area. Accordingly, the MPO staff will draft revisions to the Prospectus document resulting from performance measure implementation and for other issues that may arise in the planning process during Fiscal Years 2019 and 2020.

The Fiscal Years 2019 and 2020 UPWP will be amended when deemed necessary by the MPO and the City of Jackson. Additionally, both agencies will prepare a UPWP for Fiscal Years 2021 and 2022 in 2020 in order to present the document for approval by August, 2020. Products of this subtask will include: (1) revisions to the Prospectus and the Fiscal Year 2019 and 2020 UPWP as needed; and (2) development of a new UPWP for Fiscal Years 2021 and 2022.

Project Costs for Subtask 100.02: Preparation / Revision of Prospectus and Unified Planning Work Program (UPWP)

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Jackson Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$60,000			\$15,000		\$75,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (1)		\$20,000	\$5,000			\$25,000
Jackson FTA, Section 5307 Title 49, U.S.C. funds (80%) and City of Jackson Match (20%) (2)		\$20,000			\$5,000	\$25,000
Total Funds Subtask 100.02	\$60,000	\$40,000	\$5,000	\$15,000	\$5,000	\$125,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and printing related costs.

(2) Includes City of Jackson personnel salaries, fringe benefits and indirect costs.

**SUBTASK: 100.03 Amendments to the Participation Plan and All Citizen
Involvement/Informational Activities**

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

As amended Title 23 Section 134, *U.S.C.* states, (i) (Development of Transportation Plan), (6)-Participation by Interested Parties: (A) IN GENERAL: Each metropolitan planning organization shall provide citizens, affected public agencies, representatives of public transportation employees, public ports, freight shippers, providers of freight transportation services, private providers of transportation services, including intercity bus operators, employer-based commuting programs, such as a carpool program, vanpool program, transit benefit program, parking cash-out program, shuttle program, or telework program, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle pedestrian facilities, representatives of the disabled, and other interested parties with a reasonable opportunity to comment on the transportation plan using a participation plan. Subparagraph (B) CONTENTS OF PARTICIPATION PLAN states: A participation plan shall be developed in consultation with all interested parties; and shall provide that all interested parties have reasonable opportunities to comment on the contents of the transportation plan. Section 134 (j) (Metropolitan TIP) also states: (B) OPPORTUNITY FOR COMMENT: In developing the TIP, the metropolitan planning organization, in cooperation with the State and any affected public transportation operator, shall provide an opportunity for participation by interested parties in the development of the program.

Therefore, the purposes of this subtask are: (1) to monitor the effectiveness of the Public Participation Plan (PPP) for the Jackson Metropolitan Area for the transportation planning process, and to amend it as needed; and (2) to involve and inform citizens in the Transportation Planning Process through public meetings, meetings of the Stakeholders Committee, and through the public outreach techniques described in the MPO's Public Participation Plan.

Accomplishments During Previous Work Program Period:

During Fiscal Years 2017 and 2018 CMPDD conducted several public participation activities related to the transportation planning process including: publishing articles in CMPDD's quarterly newsletter, the *Central Update*; promoting transportation planning activities through social media with Facebook posts; issuing press releases in February 2017 and February 2018 announcing projects selected for funding through the MPO; and participating in community fair events in May 2017 and May 2018 focusing on the elderly and disabled community members by giving away promotional items advertising the MPO's website. Furthermore, notices for

amendments to the 2017-2020 Transportation Improvement Program (TIP) and the 2040 Metropolitan Transportation Plan (MTP) were advertised on the MPO's website as outlined in the MPO's Participation Plan. A 45-day comment period, three county summit meetings, and a public meeting were scheduled in 2018 to discuss the draft 2019-2022 TIP. A 45-day comment period for proposed changes to the MPO's PPP was held September 15, 2017 – October 30, 2017. A revised Public Participation Plan for the Jackson MPO was adopted in November 2017 and in December 2017 the first Annual Outreach Report was published on the MPO's website summarizing outreach efforts from October 1, 2016 thru September 30, 2017.

Other citizen involvement/ informational activities conducted by the MPO staff during Fiscal Years 2017 and 2018 included, but were not limited to: public hearings conducted by MPO staff members concerning proposed local Comprehensive Plans, especially local Land Use Plans and local Transportation Plans; meetings with various organizations to discuss transportation-related issues; maintaining and updating the MPO website which included incorporating a performance measure section in early 2018; and responding to questions from the media and the general public.

Planned Activities for the Proposed Work Program:

As part of this subtask, the MPO staff and other participants in the transportation planning process will continually monitor the effectiveness of the Participation Plan and modify it as necessary to expand its usefulness as a tool to encourage public and interested party involvement.

As specified in the Participation Plan, the MPO will continue to follow the procedures outlined regarding the development or modification of documents identified in the Participation Plan with specific outreach strategies such as the PPP, the MTP, and the TIP. Changes to or the development of a new MTP, TIP, or PPP may require comment periods, meetings, public notices, or other activities outlined in the Participation Plan.

Furthermore, the MPO staff will continue to seek to publicize the local Comprehensive Plans that are being prepared by the CMPDD, especially local Land Use Plans and local Transportation Plans which feed into the region's long range transportation plan. Also, the MPO staff will document comments received at public meetings on the local plans as part of the public participation/ information activities.

The MPO staff will continue to use the techniques described in the Participation Plan to promote involvement by all stakeholders in the transportation planning process. These public outreach techniques include but are not limited to: Social media; the MPO website; the MPO GIS portal; county-wide summits; comprehensive planning seminars conducted by MPO staff and others; a Speakers Bureau; press releases regarding transportation planning-related matters; continuing to log citizen inquiries about transportation issues; and participating in local community events to promote the MPO planning process.

Products of this Subtask will include but may not be limited to: (1) any amendments to the PPP; (2) development of an annual evaluation summary of the MPO's public participation activities; (3) any material resulting from public meetings of the Intermodal Technical Committee and Stakeholders Committee; (4) documentation of citizen comments; and (5) any products resulting from use of techniques described under the outreach techniques section of the PPP.

Project Costs for Subtask 100.03: Amendments to the Participation Plan and all Citizen Involvement Activities

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$50,000			\$12,500	\$62,500
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (1)		\$50,000	\$12,500		\$62,500
Total Funds Subtask 100.03	\$50,000	\$50,000	\$12,500	\$12,500	\$125,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, advertising and marketing expenses, and printing related costs.

TASK: 200 System Planning**Responsible Party and Contact Information:**

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

The purpose of this Task focuses on the development, ongoing maintenance and update of the long-range Metropolitan Transportation Plan (MTP) and the short-range Transportation Improvement Program (TIP) for the Jackson Urbanized Area. In accordance with 23 CFR 450, MPOs are required to develop transportation plans and transportation improvement programs through a performance-drive, outcome-based approach to planning.

MTP's identify how the area will manage and operate a multimodal transportation system (including transit, highway, bicycle, pedestrian, and accessible transportation) to meet the region's future economic, transportation, land use development, and sustainability needs for a minimum 20+year planning horizon while remaining fiscally constrained. The 2040 MTP for the Jackson Urbanized Area was adopted on November 19, 2015, and includes six plan elements. Federal regulations require the plan to be updated to the 2045 MTP by December 2020.

A TIP provides an overview of how transportation revenues will be invested over a four (4) year period by federal, state, and local agencies responsible for building, operating, and maintaining the multimodal transportation system. The TIP allocates the limited transportation resources available among various capital and operating needs of the area, based on the locally developed priorities identified in the MTP. The Jackson Urbanized TIP for Fiscal Years 2019-2022 will be considered for adoption in August 2018.

SUBTASK: 200.01 Performance Measures and Target Analysis

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
 Telephone Number: 601-981-1511
 Email: ccarr@cmpdd.org

Purpose and Scope:

Title 23 Section 450.306(d), U.S.C. states, “the metropolitan transportation planning process shall provide for the establishment and use of a performance-based approach to transportation decision-making to support the national goals described in 23 U.S.C. 150 (b) and the general purpose described in 49 U.S.C. 5301(c).” Furthermore, regulations require the MPO to establish performance targets for each applicable measure established by 23 CFR 490, 49 U.S.C. 5326(6), and 49 U.S.C. 5329(d) to track progress toward attainment of critical outcomes for the region. Working collectively, to the maximum extent practicable, the MPO, State Department of Transportation and public transportation providers are required to establish performance targets for each applicable performance measure in compliance with and at the date specified by Final Rulemaking and Federal Regulations. The MTP in accordance with 23 CFR 450.324(f) must contain a description of the performance measures and performance targets used in assessing the performance of the transportation system, and a system performance report in subsequent updates must evaluate the condition and performance of the transportation system. The performance report should outline progress achieved by the MPO in meeting performance targets in comparison with system performance recorded in previous reports.

Therefore, the purposes of this subtask are: (1) to ensure a performance-based approach to transportation planning is established as part of the Jackson MPO’s standard planning practices; (2) to establish, monitor, and analyze baseline performance data for each performance measure; (3) to work cooperatively with the MS Department of Transportation (MDOT) and the City of Jackson to establish performance targets; and (4) develop a performance report as part of the 2045 MTP which must be completed by December 2020.

Accomplishments During Previous Work Program Period:

This subtask was not specifically identified in the 2017-2018 UPWP. However, related work was performed as part of overall program management activities.

During Fiscal Years 2017 and 2018 MPO staff met with MDOT and MS Department of Public Safety personnel to discuss the establishment of the State’s 2014-2018 Safety Performance Targets. In addition, MPO gathered and analyzed baseline safety performance data for the MPO planning area. On February 14, 2018, the MPO adopted a resolution supporting the safety targets established by the State of Mississippi. Furthermore, MPO staff gathered and began analyzing baseline data for other performance measures in anticipation of establishing

performance targets for pavement and bridge conditions, travel time and freight reliability, and transit assets in November 2018. The MPO website was updated to include a performance measure section, and an agreement between the MPO and MDOT, as well as, the MPO and the City of Jackson was signed outlining how the 3 entities will work cooperatively to address performance measures and target setting.

Planned Activities for the Proposed Work Program:

As part of this subtask, the MPO staff and other participants in the Transportation Planning Process will continue to maintain a performance-based planning and programming process for the Jackson MPO. The MPO in coordination with MDOT and the City of Jackson will establish performance targets for each applicable performance measure in compliance with and at the date specified by Final Rulemaking and Federal Regulations for each of the following measures:

Safety

1. Total number of traffic related fatalities on all public roads.
2. Rate of traffic related fatalities on all public roads per 100 million Vehicle Miles Traveled (VMT).
3. Total number of traffic related serious injuries on all public roads.
4. Rate of traffic related serious injuries on all public roads per 100 million VMT.
5. Total number of non-motorized fatalities and serious injuries on all public roads.

Pavement Condition

1. Percentage of pavements on the Interstate System in Good condition.
2. Percentage of pavements on the Interstate System in Poor condition.
3. Percentage of the non-interstate National Highway System in Good condition.
4. Percentage of the non-interstate National Highway System in Poor condition.

Bridge Condition

1. Percentage of National Highway System bridges classified as in Good condition.
2. Percentage of National Highway System bridges classified as in Poor condition.

NHS Travel Time Reliability

1. Percent of the Person-Miles Traveled on the Interstate that are reliable.
2. Percent of the Person-Miles Traveled on the non-interstate National Highway System that are reliable.

Freight Reliability

1. Percentage of Interstate System mileage providing reliable truck travel time.

Traffic Congestion

1. Annual hours of peak hour excessive delay per capita.
2. Percentage of Non-Single Occupancy Vehicle Travel.

Transit Assets

1. The percentage of revenue vehicles that exceed the Useful Life Benchmark (ULB).
2. The percentage of non-revenue service vehicles that exceed the ULB.
3. The percentage of facilities that are rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale.
4. The percentage of track segments that have performance restrictions.

Products of this Subtask will include: (1) establishing performance targets by the date specified in finally rulemaking; (2) reporting of established targets to MDOT; and (3) a baseline performance report evaluating the conditions and performance of the transportation system as part of the 2045 MTP.

Project Costs for Subtask 200.01: Performance Measures and Target Analysis

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$60,000			\$15,000	\$75,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (1)		\$60,000	\$15,000		\$75,000
Total Funds Subtask 200.01	\$60,000	\$60,000	\$15,000	\$15,000	\$150,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and printing related costs.

SUBTASK: 200.02 Roadways and Bridges Planning; Continue Preparation of Local Plans/Land Use Forecasting

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
 Telephone Number: 601-981-1511
 Email: ccarr@cmpdd.org

Purpose and Scope:

23 CFR 450.324 states: “the transportation plan shall include both long-range and short-range strategies/actions that provide for the development of an integrated multimodal transportation system to facilitate the safe and efficient movement of people and goods in addressing current and future transportation demand.... In updating the transportation plan, the MPO shall base the update on the latest available estimates and assumptions for population, land use, travel, employment, congestion, and economic activity.” Regulations further state the Metropolitan Transportation Plan (MTP) shall include a description of existing and proposed transportation facilities (including major roadways) and a description of the performance measures and performance targets used in assessing the performance of the transportation system. The metropolitan transportation planning process shall provide for consideration and implementation of projects, strategies, and services that: increase the safety, security, and accessibility of the transportation system and protect and enhance the environment. The MTP plan must also include a financial plan developed in accordance with 23 CFR 450.324(f)(11) that demonstrated how the adopted transportation plan can be implemented.

Therefore, , one of the primary purposes of this subtask is to complete and maintain a Roadways and Bridges Plan element of the MTP, to result in a *2045 Roadways and Bridges Plan* element by December, 2020. This will include: (1) forecasting the travel demand on roadways in the MTP study area; and, (2) based on the projected travel demand, to propose improvements to the street and highway network in the study area.

Furthermore, another purpose of this subtask is to continue development of local Comprehensive Plans, especially local Land Use Plans and local Transportation Plans, on which to base the MTP update. This will include development of projections of population, dwelling units, employment and school enrollment by Traffic Analysis Zone (TAZ) through the target year of the MTP update.

Additionally, one of the purposes of this subtask shall be to develop as part of the 2045 MTP update a performance report evaluating the condition and performance of the bridge and roadway elements of the transportation system with respect to the performance targets and progress achieved by the MPO in meeting performance targets based on established baseline data.

Accordingly, an additional purpose of this subtask is to update the MTP with regard to safety, security, and environmental mitigation analysis, and to produce a financial component for the 2045 MTP.

Accomplishments During Previous Work Program Period:

Note: This subtask (Roadways and Bridges Planning; Continue Preparation of Local Plans/Land Use Forecasting) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 200.01. In addition, Fiscal Year 2017 and 2018 UPWP subtask 200.04 (Transportation Safety, security, and Environmental Mitigation Element, and subtask 200.06 (Financial Plan for the Long-Range Transportation Plan) have been combined into this subtask for Fiscal Years 2019 and 2020.

The 2040 MTP was approved by the Metropolitan Planning Policy Committee on November 19, 2015. During Fiscal Years 2017 and 2018 three (3) amendments to the staged improvement plan for the 2040 MTP were approved.

Furthermore, MPO staff has prepared, or is continuing to prepare, local Land Use and Transportation Plans for the following counties or municipalities inside the MTP study area for: Magee, Braxton, Utica, Clinton, Rankin County, Flora, Richland, Edwards, Terry, and Madison County.

Planned Activities for the Proposed Work Program:

As part of the development of the Roadways and Bridges Plan element of the 2045 MTP for the Jackson Urbanized Area, the MPO staff will continue assisting local governments in the preparation of Comprehensive Plans, including Land Use Plans, local Transportation Plans, and Public Facilities Plans (especially, the public schools elements of those plans on which to base school enrollment projections for the MTP). It is anticipated that the MPO staff will complete or begin preparation of Comprehensive Plans for local governments during Fiscal Years 2019 and 2020 as needed.

During Fiscal Years 2019 and 2020, outside of the Metropolitan Planning Area (projected urbanized area) but within the Jackson Metropolitan Statistical Area (advanced planning area), which encompasses all of Hinds, Madison, Rankin, Copiah, Simpson, and Yazoo Counties, the MPO staff will continue to perform advance planning activities for municipalities and counties.

The MPO staff will use these local plans and previously prepared plans (especially the Land Use Plans) in conjunction with the CommunityViz build-out wizard to base forecasts of population, dwelling units, employment, and school enrollment (from local Public Facilities Plans) by Traffic Analysis Zone (TAZ). In consultation with a consultant, the MPO will begin the update process for the MTP, including the application of a traffic simulation model to the foregoing demographic projection to forecast travel demand on streets and highways in the study area of

the MTP. Ultimately, a listing of proposed street and highway improvements will be prepared based in part upon the travel demand forecasts. In accordance with federal guidelines, MPO staff will incorporate a performance report addressing performance measures and performance targets into the 2045 MTP.

The products of this subtask will include: (1) local Comprehensive Plans, especially Land Use Plans and local Transportation Plans, with forecasts of population, dwelling units, employment by place of work, and school enrollment by TAZ; (2) amendments to the adopted 2040 MTP for the Jackson Urbanized Area as needed; (3) development of the Roadways and Bridges element of the 2045 MTP including updating the travel demand modal and utilizing CommunityViz programming to assist with build-out projections; (4) efforts to incorporate performance measures and performance targets into the 2045 MTP; (5) development of a safety, security and mitigation analysis as part of the 2045 MTP; and (6) development of a Financial Plan that includes cost estimates for all proposed improvements, including all surface transportation modes, and sources of funds by phase of the 2045 MTP.

**Project Costs for Subtask 200.02: Roadways and Bridges Planning; Continue
Preparation of Local Plans/Land Use Forecasting**

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$900,000			\$225,000	\$1,125,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (2)		\$319,877	\$79,969		\$399,846
Total Funds Subtask 200.02	\$900,000	\$319,877	\$79,969	\$225,000	\$1,524,846

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, printing related costs, and consultant services necessary to carry out activities.

(2) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and printing related costs associated with the development of the 2045 MTP.

SUBTASK: 200.03 Bicycle and Pedestrian Facilities Planning

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
 Telephone Number: 601-981-1511
 Email: ccarr@cmpdd.org

Purpose and Scope:

In accordance with 24 CFR 450.324(f), A metropolitan transportation plan under this section shall contain, at a minimum, the following: (1) the current and projected transportation demand of persons and goods; (2) Identification of existing and proposed transportation facilities (including)----***non-motorized transportation facilities***----.” Therefore, the primary purposes of this subtask are to complete an update of the non-motorized element of the Metropolitan Transportation Plan (MTP) and to continue implementing of the bike and pedestrian plan element.

As with development of other 2045 MTP elements, an additional purpose of this subtask shall be to develop a performance report evaluating the condition and performance of the non-motorized transportation system with respect to related non-motorized performance measures and targets. Furthermore, in conjunction with Program Management (subtask 100.01) activities a purpose of this subtask shall include the maintenance of the project selection and award process for Transportation Alternative (TA) projects awarded federal funds through the MPO.

Accomplishments During Previous Work Program Period:

Note: This subtask (Bicycle and Pedestrian Facilities Planning) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 200.02.

On November 19, 2015, the 2040 MTP, was approved by the Jackson MPO. Volume III of the 2040 Plan, Bicycle and Pedestrian, supports and recognizes the significance of a bicycle and pedestrian network that supports the needs of the urbanized area to mitigate traffic congestion, temper excessive motorized emissions, improve safety, and promote physical fitness.

During Fiscal Years 2017 and 2018 MPO staff continued to coordinated and conduct meetings with the Bicycle and Pedestrian Subcommittee. Meetings were held in February and August each year. In addition, changes were approved in August 2017 to the TA Project Submittal Guidelines, and a Call for Projects was issues. In February 2018, the MPO Policy Committee announced TA funding awards to the seven (7) applications ranked the highest during the project evaluation process.

Furthermore, MPO staff continued to meet with local jurisdictions and regional groups to discuss bicycle and pedestrian proposed projects as needed.

Planned Activities for the Proposed Work Program:

As part of the development of the 2045 Bicycle and Pedestrian Plan element of the MTP, which must be completed by December 2020, during Fiscal Years 2019 and 2020 MPO staff will continue collecting data and meeting with groups both regionally and statewide to assess bicycle and pedestrian improvements. The 2045 plan will provide an updated list of prioritized projects and include cost estimates and potential funding sources for proposed new or upgraded bicycle or pedestrian facilities. MPO staff members will also amend and refine the 2040 Bicycle and Pedestrian Plan element of the MTP as needed prior to the adoption of a new plan.

Furthermore, MPO staff shall refine and make amendments to the project selection criteria for the TA Program funds as needed to reflect priority changes.

The products of this subtask will include: (1) refinements and/or amendments to the 2040 MTP Bicycle and Pedestrian Plan Element as needed; (2) development of the Bicycle and Pedestrian Plan element of the 2045 MTP by December 2020; (4) efforts to incorporate non-motorized performance measures and performance targets into the 2045 MTP; and (5) refinements and/or amendments to the TA project selection and award process as needed.

Project Costs for Subtask 200.03: Bicycle and Pedestrian Facilities Planning

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$60,000			\$15,000	\$75,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (1)		\$20,000	\$5,000		\$25,000
Total Funds Subtask 200.03	\$60,000	\$20,000	\$5,000	\$15,000	\$100,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and printing related costs.

SUBTASK: 200.04 Transit Planning

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
 Telephone Number: 601-981-1511
 Email: ccarr@cmpdd.org

Purpose and Scope:

In accordance with 24 CFR 450.324(f), A metropolitan transportation plan under this section shall contain, at a minimum, the following: (1) The current and projected transportation demand of persons and goods; (2) Identification of existing and proposed transportation facilities (including)----**public transportation facilities, intercity bus facilities, multimodal and intermodal facilities**----.” Therefore, the primary purposes of this subtask are to complete an update of the public transportation plan element of the Metropolitan Transportation Plan (MTP) and to continue implementing of the public transit plan element. As the only operator of a fixed route/fixed schedule transit system in the urbanized area, the City of Jackson will cooperate with the MPO staff to update the public transit element.

As with development of other 2045 MTP elements, an additional purpose of this subtask shall be to develop a performance report evaluating transit assets with respect to related transit performance measures and targets. Additionally, a purpose of this task shall be to develop a financial plan that demonstrates system-level estimates of costs and revenue sources that are reasonably expected to be available to adequately operate and maintain public transportation.

Accomplishments During Previous Work Program Period:

Note: This subtask (Transit Planning) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 200.03.

On November 19, 2015, the 2040 MTP was approved by the Jackson MPO. Volume V of the 2040 Plan, Public Transit, identifies existing and future demand for public transit services; evaluates current transit services provided in the Jackson Metropolitan Planning Area; and identifies transit revenues to continue maintaining the current levels of service. This element of the 2040 MTP also identified long-term regional transit corridors.

During Fiscal Years 2017 and 2018 MPO staff began coordinating regularly scheduled meetings between MPO staff, MDOT officials, and City of Jackson transit officials. Additionally, MPO staff reviewed the final Certification Review report, and developed a corrective action plan to address comments in the final report regarding transit financial planning. In consultation with the City of Jackson, the MPO’s Public Participation Plan was revised to include a section specifically addressing the Transit Program of Projects (POP). The City of Jackson and the MPO also signed

a Performance Measure Agreement outlining roles and responsibilities related to performance measures and targets. Furthermore, MPO staff provided technical assistance to the City of Jackson Transit services Division as needed.

MPO staff also participated in a number of transit related training opportunities by attending the Statewide Coordination Transportation Summit and participating in a number of Transit related webinars.

Planned Activities for the Proposed Work Program:

In accordance with the Cooperative Agreement between the MPO and the City of Jackson, the MPO “—shall be responsible for initiating and developing, a Metropolitan Transportation Plan (MTP) for the metropolitan planning area that meets the requirements of 23 CFR 450.322 for the development of an integrated multimodal transportation system, this will be in cooperation with MDOT and the City of Jackson.” Therefore, the 2045 Jackson Urbanized Area Transportation Plan will include an updated transit element. The transit element for the 2045 MTP will analyze and focus on identifying the availability of transit services in the Jackson Urbanized Area; the demand and need to expand existing services; and potential expansion routes for the transit system outside of the City of Jackson by providing access to essential services. This will include identifying transportation connectivity gaps in access to essential services for the public, including traditionally underserved populations, to essential services. The transit element will include a funding analysis of transit in accordance with FAST Act requirements. Furthermore, as appropriate in consultation with all parties, transit asset management performance measures and targets will be incorporated into the 2045 MTP. As needed, the MPO staff and other planning process participants will review the 2040 Transit Plan element to determine if amendments to the plan are needed prior to the completion of the 2045 Transit Plan.

MPO staff will provide technical assistance on an as-requested basis to the City of Jackson Transit Services Division. MPO staff will continue to coordinate regularly scheduled transit Working Group meetings between the MPO, City of Jackson, and MDOT’s Transit Division personnel. Furthermore, MPO staff in cooperation with the City of Jackson will review and revise the Planning Agreement between the MPO and the City of Jackson to reflect any necessary changes that may arise if needed.

The products of this subtask will include: (1) refinements and/or amendments to the 2040 MTP Public Transportation Plan Element as needed; (2) development of the 2045 Public Transportation Plan element by December 2020 including a transit financial plan; (4) efforts to incorporate transit asset management performance measures and performance targets into the 2045 MTP; (5) refinements and/or amendments to the Planning Agreement and/or Performance Measure Agreement between the City of Jackson and the Jackson MPO as needed; and (6) continued coordination of the Transit Committee.

Project Costs for Subtask 200.04: Transit Planning

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$60,000			\$15,000	\$75,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (1)		\$80,000	\$20,000		\$100,000
Total Funds Subtask 200.04	\$60,000	\$80,000	\$20,000	\$15,000	\$175,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and printing related costs.

SUBTASK: 200.05 Freight Planning**Responsible Party and Contact Information:**

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

In accordance with 24 CFR 450.306 the scope of the metropolitan transportation planning process shall provide for consideration and implementation of projects and strategies and services that will (1) support the **economic vitality** of the metropolitan area; (2) increase accessibility and mobility of people and **freight**; and (3) enhance the integration and connectivity of the transportation system across and between modes for people and **freight**.

Accordingly, the primary purposes of this subtask are: (1) to work collaboratively with the Mississippi Department of Transportation (MDOT) as they maintain a State Freight Plan; (2) to complete an update of the freight element of the Metropolitan Transportation Plan (MTP) for the Jackson Urbanized Area.

As with development of other 2045 MTP elements, an additional purpose of this subtask shall be to develop a performance report evaluating the condition and performance of the freight transportation system with respect to related freight performance measures and targets.

Accomplishments During Previous Work Program Period:

Note: This subtask (Freight Planning) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 200.07.

On November 19, 2015 the 2040 MTP, for the Jackson Urbanized Area was approved by the Jackson MPO. Volume VI of the 2040 Plan, Freight, analyzes existing and future freight demand in the Jackson Metropolitan Planning Area.

During Fiscal Years 2018 and 2019, MPO staff has attended several Federal Highway Administration sponsored webinars addressing freight. Furthermore, the Jackson MPO currently serves on and is working collaboratively with the Mississippi Freight Advisory Committee, established by MDOT to develop and maintain a State Freight Plan. MPO staff also worked in collaboration with the MDOT to identify Critical Urban Freight Corridors during Fiscal Years 2018 and 2019.

Planned Activities for the Proposed Work Program:

As part of the development of the 2045 Freight Plan element of the MTP, during Fiscal Years 2019 and 2020 MPO staff will continue collecting data and meeting with groups both regionally and statewide to assess freight demand. The 2045 plan will provide an updated analysis of freight conditions. MPO staff members will also amend and refine the 2040 Freight Plan element of the MTP as needed prior to the adoption of a new plan.

Additionally, in accordance with federal regulations MPO staff will develop a performance report as part of the 2045 MTP evaluating the condition and performance of the freight transportation system with respect to freight performance measures and targets.

Furthermore, MPO staff will continue to meet with MDOT, local jurisdictions and regional groups to discuss freight related items as needed.

Products of this subtask will include: (1) refinements and/or amendments to the 2040 MTP Freight Plan Element as needed; (2) development of the 2045 Freight Plan element by December 2020; (4) efforts to incorporate freight performance measures and performance targets into the 2045 MTP; and (5) continued participation with the State Freight Advisory Committee and other freight advisory groups as needed.

Project Costs for Subtask 200.05: Freight Planning

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$60,000			\$15,000	\$75,000
Total Funds Subtask 200.05	\$60,000			\$15,000	\$75,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel and printing related costs.

SUBTASK: 200.06 Preparation of and Amendments to the Transportation Improvement Program (TIP)

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
 Telephone Number: 601-981-1511
 Email: ccarr@cmpdd.org

Purpose and Scope:

23 CFR 450.326 states, “the MPO in cooperation with the State and any affected public transportation operator(s), shall **develop a Transportation Improvement program (TIP)** for the metropolitan planning area. The TIP shall reflect the investment priorities established in the current metropolitan transportation plan and shall cover a period of no less than 4 years.” Therefore, the purposes of this subtask are: (1) to amend the Jackson Urbanized Area Transportation Improvement Program (TIP) for Fiscal Years 2019 through 2022 as needed; (2) to develop a new TIP for Fiscal Years 2021 through 2024; and (3) issue calls for projects as federal funds become available through the MPO.

Accomplishments During Previous Work Program Period:

Note: This subtask (Preparation of and Amendments to the Transportation Improvement Program) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 200.08.

During Fiscal Years 2017 and 2018, the MPO processed several administrative modification and amendments to the TIP as outlined in the MPO’s Public Participation Plan. In addition, the MPO hosted regularly scheduled meetings between Federal Highway Administration (FHWA), MS Department of Transportation (MDOT) and Local Public Agencies (LPAs) to discuss the progress of projects included in the 2017-2020 TIP. Furthermore, MPO staff gathered a status report on each project included in the TIP prior to the quarterly MPO meeting scheduled to discuss projects during each Intermodal Technical Committee and Policy Committee meeting.

Two calls for projects were issued during Fiscal Years 2017 and 2018. In February 2017 the MPO awarded 25 projects a total of \$20.1 million in Surface Transportation Block Grant (STBG) program funds through the MPO, and in February 2018, the MPO awarded 7 multi-use paths \$1.7 million in Transportation Alternatives (TA) funds through the MPO.

During late Fiscal Year 2018, MPO staff, MDOT, and the City of Jackson began working to develop a new TIP document for Fiscal Years 2019 – 2022. The 45-day comment period for the new TIP began June 15, 2018. The new TIP document was developed in accordance with federal

guidelines regarding the development and content of a TIP including adding a description of the anticipated effect of the TIP in helping to achieve performance targets.

Planned Activities for the Proposed Work Program:

During Fiscal Years 2019 and 2020, MPO staff will present administrative modifications and amendments to the Jackson Urbanized Area TIP for Fiscal Years 2019 through 2022 to the MPO for consideration as needed. It is anticipated in the spring of 2020, the MPO, MDOT, the City of Jackson as the transit operator and others as needed will begin preparation of a TIP for Fiscal Years 2021 through 2024 to be submitted to the MPO for consideration in August 2020. The City of Jackson's Department of Planning and Development-Transit Services Division shall participate in the development, preparation and update of the TIP for the metropolitan area.

It is anticipated the MPO will issue a call for projects for the remaining FAST Act STBG funds in August 2018 with projects selected for funding in the second quarter of Fiscal Year 2019.

Furthermore, MPO staff will continue to participate in TIP update meetings with FHWA, MDOT, and LPAs as needed to track the progress of projects toward construction.

The products of this task will include: (1) amendments and modifications as needed to the adopted Jackson Urbanized Area Transportation Improvement Program (TIP) for Fiscal Years 2019 through 2022; (2) a Jackson Urbanized Area Transportation Improvement Program (TIP) for Fiscal Years 2021 through 2024, and (3) issuing of Calls for Projects as needed as funding becomes available.

**Project Costs for Subtask
200.06:**

**Preparation of and Amendments to the
Transportation Improvement Program (TIP)**

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$100,000			\$25,000	\$125,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (1)		\$30,000	\$7,500		\$37,500
Total Funds Subtask 200.08	\$100,000	\$30,000	\$7,500	\$25,000	\$162,500

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, printing related costs, and legal advertising costs (for newspaper legal advertising of TIP meetings).

TASK: 300**Data Collection and Analysis****Responsible Party and Contact Information:**

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

The purpose of this Task is to group under one heading all activities and costs that are intended to support the development of major elements of the transportation planning process. These activities include: (1) a continued maintenance of a database designed to monitor transportation-related characteristics which influence travel, including improvement of the accuracy of the existing database and enhancement of system integration capability for data compilation and exchange; (2) continuation of a Metropolitan Area Traffic Counting Program, which will provide supporting data for several products of the transportation planning process; (3) continuation of a Metropolitan Area Pavement Management Process that monitors the condition of arterial and collector roadways and prioritizes maintenance activities; (4) a continuation of the Congestion Management Process that analyzes travel data to define the extent and duration of congestion; and (5) continuation of a system for ensuring that local governments in the Jackson Urbanized Area maintain traffic control signs that meet the minimum standards prescribed in the Manual on Uniform Traffic Control Devices (MUTCD) for reflectivity.

SUBTASK: 300.01 Pavement Management System

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
 Telephone Number: 601-981-1511
 Email: ccarr@cmpdd.org

Purpose and Scope:

23 CFR 450.306 states: “The metropolitan planning process for a metropolitan area under this section shall provide for consideration of projects and strategies that will---- (8) **emphasize the preservation of the existing transportation system.**” Accordingly, the purpose of this subtask is for the MPO to continue to monitor the condition of arterial and collector roadways in the MPO study area and prioritize maintenance activities.

Accomplishments During Previous Work Program Period:

Note: This subtask (Pavement Management System) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 200.05.

During the previous work program, the MPO has continued data collection of road conditions on a three-year cyclical basis i.e., one county each year for Hinds, Madison and Rankin counties. During Fiscal Year 2017 CMPDD staff completed work on the inventory of non-State-maintained roads in Hinds County and has started data collection in Fiscal Year 2018 in Rankin County. Furthermore, during Fiscal Year 2018, the MPO purchased a new pavement management software from Deighton Associates called Deighton Total Infrastructure Management System or dTIMS. This software will replace the Road Surface Management Software (RSMS) previously used by the MPO, but will continue to use the weights assigned by the MPO to determine the prioritization of road repairs in the Jackson Urbanized Area.

Planned Activities for the Proposed Work Program:

MPO staff will complete a re-inventory of all non-State maintained arterial and collector facilities in Rankin (FY 2019) and Madison (FY 2020) counties. Thus, continuing the data collection of road conditions on a three-year cyclical basis i.e., one county each year for Hinds, Madison and Rankin counties.

Each year a new prioritized list of management needs will be developed based upon the latest available data from each county. Once data collection for each county is complete, the MPO will use the new dTIMS software to analyze and evaluate the condition of the pavement on the arterial and collector roadways to determine those most in need of repairs.

The data is collected using a windshield survey method in which MPO staff complete a visual inspection of the arterial and collector facilities and the data is then input into the dTIMS software.

The major product of this task will be updated information related to physical pavement features, surface condition, and traffic volumes for non-State-maintained arterial and collector roads and streets in Hinds, Madison and Rankin Counties.

Project Costs for Subtask 300.01: Pavement Management System

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, STBG Funds Section 133 Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$253,000			\$63,250	\$316,250
Total Funds Subtask 300.01	\$253,000			\$63,250	\$316,250

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and computer software upgrades and supplies associated with maintenance of the Pavement Management System.

SUBTASK: 300.02 Congestion Management Process

Responsible Party and Contact Information:

Name/Title: Chuck Carr, Planning and Management Director
 Telephone Number: 601-981-1511
 Email: ccarr@cmpdd.org

Purpose and Scope:

23 CFR 450.322 (Congestion Management Process in Transportation Management Areas (TMA)) states: “The transportation planning process in a TMA shall address congestion management through a process that provides for safe and effective integrated management and operation of the multimodal transportation system, based on a cooperatively developed and implemented metropolitan-wide strategy, of new and existing transportation facilities.”

Accordingly, the purposes of this subtask are to continually coordinate a program for data collection and system performance monitoring to define the extent and duration of congestion, and evaluate the efficiency and effectiveness of implemented actions.

Accomplishments During Previous Work Program Period:

Note: This subtask (Congestion Management Process) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 300.01

During Fiscal Year 2017, MPO staff reviewed the final report for the Certification Review and developed an action plan to address concerns regarding the MPO’s Congestion Management Process. The corrective action plan was submitted to Federal Highway in June 2017. During Fiscal Year 2018, in accordance with the corrective action plan, MPO staff researched best practices from other MPOs across the nation to modify the MPO’s process in preparation for the 2045 MTP update.

Planned Activities for the Proposed Work Program:

During Fiscal Years 2019 and 2020, the MPO, in consultation with a consultant, will begin the update process for the 2045 MTP Congestion Management Process plan element. This shall include gathering travel time data for functionally classified roadways from a reliable data source and analyzing the data to include in the 2045 MTP Congestion Management Process plan element. The Congestion Management Process will be expanded upon from the 2040 MTP to include multimodal components such as land use management, transit, and other non-highway strategies. The plan will include developing a robust discussion of non-recurring congestion, bottlenecks, and freight movement and their effects on congestion. The acquisition

of reliable travel time data and/or additional consultant services may be needed as part of this subtask.

The products of this task will be: (1) Congestion data (current traffic counts and travel time reliability) gathered, purchased and/or collected on selected street/ highway segments to determine the duration and magnitude of congestion; and (2) development of a Congestion Management element for the 2045 MTP.

Project Costs for Subtask 300.02: Congestion Management Process

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$80,000			\$20,000	\$100,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (2)		\$40,000	\$10,000		\$50,000
Total Funds Subtask 300.02	\$80,000	\$40,000	\$10,000	\$20,000	\$150,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, printing related costs, and consultant services necessary to carry out activities.

(2) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and printing related costs.

SUBTASK: 300.03 Metropolitan Area Traffic Counting Program**Responsible Party and Contact Information:**

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

The purpose of this subtask is to continue a coordinated traffic count program for the Jackson Metropolitan Area.

Accomplishments During Previous Work Program Period:

Note: This subtask (Metropolitan Area Traffic Counting Program) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 400.02.

For many years the CMPDD has conducted and continues to conduct traffic counts as requested by local governments. MDOT performs traffic counts on a cyclical three-year basis on State-maintained highways and other arterial and collector streets and roads throughout the entire State. In addition, some counties and municipalities in the Jackson Metropolitan Area perform their own traffic counts. However, there is a need for a coordinated traffic count database in the metropolitan area. In recognition of this need, during Fiscal Year 2004, the MPO began performing traffic counts on a coordinated basis with MDOT and various cities and counties in the area. MPO staff continued the traffic counting program during Fiscal Years 2017 and 2018. In addition, MPO staff updated traffic count data maintained on the MPO's website in the interactive traffic count map viewer.

Planned Activities for the Proposed Work Program:

During Fiscal Years 2019 and 2020 the MPO staff will continue the Metropolitan Traffic Counting Program initiated during Fiscal Year 2004. Traffic counters will be deployed by MPO staff on selected arterial and collector streets and roads in the entire Metropolitan Planning Area, including Hinds, Madison, and Rankin counties, and *on an as-requested only basis* in Copiah Simpson, and Yazoo counties.

The District will continue to coordinate these traffic counts with counts performed by MDOT and local governments in order to avoid a duplication of effort. The MPO will place the traffic counts on the CMPDD website. This traffic count data will be available to the public and will list not only recent traffic count data, but also historical data and traffic projections for each traffic count location. This historical data will be used in the planning process to determine transportation needs based off of the historic and current traffic volume trends.

Traffic counts performed through this program will provide supporting data for each Transportation Plan update (see Task 200) and the Congestion Management Process (see Task 300.02). MPO staff will also continue performing traffic counts as requested by local member governments.

The products of this task will include: (1) traffic counts performed on selected arterial and collector streets and roads in Hinds, Madison and Rankin counties, plus Copiah, Simpson, and Yazoo counties on an as-requested basis only; and (2) traffic count data displayed on the MPO website, www.cmpdd.org.

Project Costs for Subtask 300.03: Metropolitan Area Traffic Counting Program

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, State Planning and Research Funds (80%) and MDOT match (20%) (1)	\$152,000		\$38,000		\$190,000
Total Funds Subtask 300.03	\$152,000		\$38,000		\$190,000

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, plus the estimated cost of purchasing traffic counters and associated equipment maintenance and supplies.

SUBTASK: 300.04 Regional Traffic Sign Retroreflectivity System**Responsible Party and Contact Information:**

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

New retroreflectivity standards were added to the Manual on Uniform Traffic Control Devices (MUTCD) in 2007 that included a standard for retroreflectivity that must be maintained for traffic signs and pavement markings which apply to all roads open to public travel, and related compliance dates were revised in May 2012. The MUTCD changes established certain standards that must be achieved regarding sign retroreflectivity (the ability of a material to return light to its source). Signs must have retroreflective surfaces so that the light striking them from vehicle headlights is reflected back to the driver's eyes.

Accordingly, the purpose of this subtask is to establish a regional system to assist local governments in the Jackson Urbanized Area in maintaining traffic control signs that meet the minimum standards for retroreflectivity as prescribed in the MUTCD.

Accomplishments During Previous Work Program Period:

Note: This subtask (Regional Traffic Sign Retroreflectivity System) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 400.04.

In November 2011, the MPO adopted the Regional Traffic Sign Retroreflectivity Maintenance and Management Plan for the Jackson Urbanized Area. In May of 2012, the CMPDD purchased a sign inventory program (ITrac Signs) and retroreflectometers (RoadVista 922), devices used to measure a signs retroreflective levels. Both the software program and the retroreflectometers are currently available for use by all Local Public Agencies (LPAs) in the Jackson Metropolitan Organization's regional area. In Fiscal Years 2017 and 2018, MPO staff continued to serve as technical support for the sign retroreflectivity program fielding calls and dealing with other sign inventory issues, as needed. MPO staff used the retroreflectometers to collect GPS coordinates for all speed limit signs in the MPO planning area on functionally classified non-state maintained roadways. This data will be used to improve the MPO's travel demand model. Furthermore, each retroreflectometer was sent to the manufacturer for general maintenance, software upgrades, and recalibration.

Planned Activities for the Proposed Work Program:

The Traffic Sign Retroreflectivity Maintenance and Management Plan for the Jackson Urbanized Area was proposed and adopted after working with several local governments to identify the method that best suits the needs of each municipality or county which included ease of use, cost effectiveness, security and reliability, and other factors. Now that the plan has been adopted local government personnel have begun to inventory their signs and enter the collected data (sign type by location, date last replaced if known, and the date proposed for replacement, etc.) into the MPO database.

Each LPA is responsible for completing its own sign inventory and inputting the collected data into the ITrac Signs database system. Additionally, the MPO purchased three (3) sign retroreflectometers (RoadVista 922) and extension poles to assist the LPAs in measuring the retroreflective levels of each sign in their respective jurisdictions. The retroreflectometers will be loaned out on a month-long basis to each LPA requesting them. After each retroreflectometer is returned, it will be loaned out to a different LPA until all have completed their sign inventories. The MPO staff will serve as technical support staff for this subtask. CMPDD staff will provide training on the ITrac Signs software and on use of the RoadVista 922 retroreflectometers. Once the initial inventory and sign reflectivity assessments have been completed, each LPA will be responsible for replacing each sign failing to meet the minimum reflectivity requirements. Additionally, each LPA will have an inventory of signs that are close to falling below the minimum requirements and will be able to better track each sign in their jurisdictions for future planning purposes.

Furthermore, if requested by MDOT, MPO staff will assist with retroreflectivity training across the state as needed.

The product of this subtask will be a regional traffic sign database to assist local governments in complying with the MUTCD requirements.

Project Costs for Subtask 300.04: Regional Traffic Sign Retroreflectivity System

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, STBG Section 133 Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$75,000			\$18,750	\$93,750
Total Funds Subtask 300.04	\$75,000			\$18,750	\$93,750

(1) *Includes MPO personnel salaries, fringe benefits and indirect costs, travel related costs and the cost of computer software and other equipment needed for maintenance of the regional sign retroreflectivity system, and possible consultant assistance.*

SUBTASK: 300.05 Maintenance of Transportation Database**Responsible Party and Contact Information:**

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

The purposes of this subtask are: (1) to continue updating maps of municipalities and unincorporated portions of counties in the Jackson Metropolitan Area as necessary using the CMPDD Geographic Information System (GIS) as these computerized maps provide the foundation for an area wide transportation-related database; and (2) to establish a comprehensive system for collecting, maintaining and analyzing all transportation-related data for the Metropolitan Planning Area including Copiah, Simpson, and Yazoo counties.

Accomplishments During Previous Work Program Period:

Note: This subtask (Maintenance of Transportation Database) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 400.01.

During Fiscal Years 2017 and 2018, the MPO's GIS staff updated, began or completed preparation of base maps for the following local governments inside the MPO planning study area: Magee, Braxton, Utica, Clinton, Rankin County, Flora, Richland, Edwards, Terry, and Madison County. These base maps were developed as part of the preparation of Land Use/Transportation Plan elements of Comprehensive Plans for those municipalities or counties.

During Fiscal Years 2017 and 2018, MPO staff maintained data regarding population, number of dwelling units, school enrollment and employment-by-place-of-work for use in validating and calibrating the TransCad traffic simulation model for the 2045 Metropolitan Transportation Plan.

The MPO staff also continued development of an enterprise, web-based mapping/ Geographic Information System. During Fiscal Years 2017 and 2018 MPO staff maintained several web-based mapping viewers including a transit viewer, bicycle and pedestrian facilities viewer, traffic analysis zone viewer, traffic count viewer, and a Transportation Improvement Program (TIP) viewer.

Planned Activities for the Proposed Work Program:

During Fiscal Years 2019 and 2020, the MPO will continue to collect and maintain digital maps of all cities and unincorporated portions of the Metropolitan Planning Area, including the entire six-county area (Copolah, Hinds, Madison, Rankin, Simpson, and Yazoo Counties) that now constitutes the boundaries of the metropolitan area.

Base-year data will be compiled by Traffic Analysis Zone to be used to validate and calibrate the traffic simulation model against current traffic counts (see subtask 300.03) for the 2045 Metropolitan Transportation Plan update. Utilizing the TransCad model in the update process; the data to be compiled will include population, number of dwelling units, employment by place of work, and school enrollment data.

As part of this subtask, it is anticipated that a consultant may be retained to assist the MPO in updating the traffic simulation model with new data regarding travel patterns.

The products of this task will include: (1) updated digital maps of municipalities and unincorporated portions of counties in the Metropolitan Planning Area; (2) a system for continually monitoring all urban development and transportation indicators; (3) base-year data by TAZ for the Transportation Plan update; (4) projected data by TAZ for the Transportation Plan update; (5) a calibrated and validated traffic simulation model; and (6) interactive user-friendly maps to display transportation data.

Project Costs for Subtask 300.05: Maintenance of Transportation Database

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$900,000			\$225,000	\$1,125,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (1)		\$319,876	\$79,969		\$399,845
Total Funds Subtask 300.05	\$900,000	\$319,876	\$79,969	\$225,000	\$1,524,845

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, and printing related costs. This subtask also includes the cost of retaining consultants to assist the MPO in designing a system to continuously monitor urban development and transportation indicators.

TASK: 400**Support Activities****Responsible Party and Contact Information:**

Name/Title: Chuck Carr, Planning and Management Director
Telephone Number: 601-981-1511
Email: ccarr@cmpdd.org

Purpose and Scope:

The purposes of this Task are to conduct transportation studies as needed to determine solutions to issues and problems not otherwise addressed in the routine work program, and to support staff training and education related to federal and state regulations, transportation planning technologies, best practices, and activities within our industry and of other MPOs. New and changing federal regulation and reauthorizations require that staff be informed to develop and maintain a responsive transportation planning program.

SUBTASK: 400.01 Staff Training and Professional Development

Responsible Party and Contact Information:

Name/Title:	Chuck Carr, Planning and Management Director	Christine Welch, Deputy Director Transit Services Division
Telephone Number:	601-981-1511	601-960-1909
Email:	ccarr@cmpdd.org	cwelch@jacksonms.gov

Purpose and Scope:

This subtask is intended to reinforce the National Transportation Policy (NTP) element of "advancing U. S. technology and expertise" through training of MPO personnel in the various technical disciplines related to transportation planning.

Accomplishments During Previous Work Program Period:

Note: This subtask (Staff Training and Professional Development) was listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program as subtask 400.03.

During Fiscal Years 2017 and 2018, various MPO personnel participated in the following training courses/ conferences:

- MARIS meetings: the State GIS organization;
- Conferences of the Mississippi Chapter of the American Planning Association (MAPA);
- Conferences of the American Planning Association (APA);
- Annual conferences of the Mississippi Association of Planning and Development District (MAPDD);
- Annual conferences of the Mississippi Municipal League (MML) and the Mississippi Association of Supervisors (MAS);
- Annual meetings of the National Association of MPOs (AMPO);
- Annual Statewide Coordination Transportation Summits;
- Annual Statewide MPO meetings;
- LUCA 2020 Census Training;
- CommunityViz Training;
- Mid-South Megaregions Freight Training;
- Mississippi Transportation Institute Training;
- Sign Retroreflectivity Training Courses; and
- Numerous National Highway Institute and National Transit Institute training courses.

Planned Activities for the Proposed Work Program:

During Fiscal Years 2019 and 2020, the professional/ technical staff of the MPO will participate in training courses and conferences, many of which will require out-of-state travel. All persons participating in these courses/ conferences are regularly employed in transportation planning-related functions of the MPO. The MPO will continue to provide information to MDOT in Quarterly Progress Reports relating to courses/conferences attended by MPO staff. It is anticipated that the MPO staff will participate in the following courses or conferences, including, but not limited to:

1. Conferences sponsored by the Federal Highway Administration or Federal Transit Administration (National Highway Institute or National Transit Institute), including, but not necessarily limited to:
 - Transportation Performance Management;
 - Integrating Freight in the Transportation Planning Process;
 - Coordinating Transportation and Land Use;
 - Financial Planning and Programming for MPOs;
 - Introduction to Metropolitan Transportation Planning;
 - Introduction to Transit Operations Planning;
 - Public Involvement in Transportation Decision Making;
 - Statewide and Metropolitan Transportation Planning; and
 - Bicycle Planning and Facilities Workshop.
2. The Mississippi Transportation Institute conference sponsored by MDOT;
3. Conferences sponsored by the American Planning Association, the Mississippi Chapter of the American Planning Association, or other State APA chapters;
4. Conferences sponsored by the Mississippi Association of Planning and Development Districts;
5. Conferences of the Mississippi Municipal League and the Mississippi Association of Supervisors;
6. Courses relating to various aspects of land use/ transportation planning offered through various universities;
7. Courses/ conferences relating to Geographic Information Systems offered by ESRI (ARC/INFO), and others;
8. Courses/ conferences offered by other transportation-related software vendors;

9. Courses/ conferences sponsored by the National Association of Regional Councils (NARC) and the Association of Metropolitan Planning Organizations (AMPO); and
10. Courses/ conferences offered by the Transportation Research Board.

The MPO staff will also continue to devote considerable time to "in-house" training, becoming familiar with "TransCad", "CommunityViz" and other computer software packages such as ESRI's ARC/INFO and other software packages that may be used by the MPO. The MPO will also continue to subscribe to certain technical publications such as the American Planning Association's Planning Advisory Service.

The District's quarterly reports to the Federal Highway Administration and the Federal Transit Administration through the Mississippi Department of Transportation will contain descriptions of the training courses and conferences attended by the MPO staff, as well as "in-house" training. The quarterly reports will also list organizations that the MPO has joined or technical publications to which the MPO has subscribed.

During Fiscal Years 2019 and 2020, the City of Jackson's Transit Services Division personnel will participate in training courses, conferences, and workshops, many of which will require out-of-state travel. All persons participating are regularly employed in transportation planning-related functions of the City of Jackson. It is anticipated that the City of Jackson staff will participate in the following conferences/workshops/course activities:

1. Various conferences or courses sponsored by the Federal Transit Administration;
2. Conferences or courses sponsored by the Federal Highway Administration;
3. Annual conferences of the American Public Transit Association and Mississippi Public Transit Association; and
4. Various training courses offered by the National Transit Institute.

The City of Jackson staff will be implementing new planning software, ReMixx, to the system that will assist with route optimization and planning. A considerable amount of training will be required for the City of Jackson staff to become familiar and proficient with this software.

The City of Jackson's quarterly reports to the Federal Transit Administration will describe those courses or conferences and any in-house training attended by Transit Services Division staff in that period.

Project Costs for Subtask 400.01: Staff Training and Professional Development

Proposed Funds FY 2017 & FY 2018	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Jackson Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$160,000			\$40,000		\$200,000
CMPDD FTA Flex Funds (80%) and MDOT Match (20%) (2)		\$160,000	\$40,000			\$200,000
Jackson FTA, Section 5307 Title 49, U.S.C. funds (80%) and City of Jackson Match (20%) (3)		\$50,000			\$12,500	\$62,500
Total Funds Subtask 400.01	\$160,000	\$210,000	\$40,000	\$40,000	\$12,500	\$462,500

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, plus travel related costs associated with training activities, registration fees, costs of technical publications and subscriptions.

(2) Includes MPO personnel salaries, fringe benefits and indirect costs, plus travel related costs associated with training activities and registration fees.

(3) Includes City of Jackson personnel salaries, fringe benefits and related costs with training activities including registration fees, costs of technical publications, subscription, and travel related costs associated with training activities.

Project Costs for Subtask 400.02: Special Studies

Proposed Funds FY 2017 & FY 2018	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Jackson Funds	Total Funds
FHWA, Section 104(f) Title 23, U.S.C. funds (80%) and CMPDD match (20%) (1)	\$211,399			\$52,850		\$264,249
Total Funds Subtask 400.02	\$211,399			\$52,850		\$264,249

(1) Includes MPO personnel salaries, fringe benefits and indirect costs, local travel, printing related costs, and consultant services necessary to carry out activities.

SUBTASK: 400.03 ONELINE Project Study**Responsible Party and Contact Information:**

Name/Title: Christine Welch, Deputy Director
 Transit Services Division
 Telephone Number: 601-960-1909
 Email: cwelch@jacksonms.gov

Purpose and Scope:

The ONELINE Project is a Transit Oriented Development (TOD) planning study funded primarily through FTA's discretionary Pilot Program for Transit-Oriented Development Planning. The ONELINE project will comprehensively plan multi-modal transportation, smart infrastructure, and pedestrian oriented urban design within a unique 5-mile corridor in Jackson, MS. This project will connect Fondren through Downtown to the main campus of Jackson State University through a multi-modal corridor, using Bus Rapid Transit (BRT).

Accomplishments During Previous Work Program Period:

Note: This subtask (ONELINE Project Study) was not listed in the Fiscal Years 2017 and 2018 Unified Planning Work Program.

Planned Activities for the Proposed Work Program:

This task will undertake building a team that will consist of the internal City of Jackson staff and third-party consultants/contractors. This team will engage in planning activities for the ONELINE BRT project that will address: sustained community outreach for the project; multimodal connectivity and accessibility throughout the corridor; TOD appropriate land-use and zoning recommendations; CIP recommendations for infrastructure improvements along the corridor; and a financial plan that recognizes appropriate funding opportunities and collaborations to support the project. The team will work closely with the Metropolitan Planning Organization (MPO) to develop a comprehensive work plan that will be included in the Unified Planning Work Program (UPWP) and the Mississippi 2045 Transportation Plan.

Community Outreach: The team will undertake initiatives to maintain sustained community outreach and education throughout the duration of the project. Key strategies of the community engagement will include:

- i. Educating neighborhoods, institutions and businesses about Transit Oriented Development, Bus Rapid Transit, Design Standards to support diverse mobility needs, Land Use Plan to support TODs, and their merits and benefits to the community;
- ii. Providing graphic oriented, easily understandable and data driven messaging via:

- Traditional and social media platforms
 - A dedicated project website
 - Project representation along the corridor
- iii. Conducting inclusive and ongoing outreach to:
- Neighborhood and business groups
 - Ethnic and/or language groups
 - Human services agencies and traditionally underrepresented groups
 - Local/regional/state representatives & officials

The team will create a **Comprehensive Work Plan** that will include: TOD street planning and design guidelines, TOD supportive zoning and land-use recommendations, CIP recommendations for infrastructure improvements and a financial plan.

- a. **TOD Street design and planning guidelines** will:
- i. Create design guidelines that allow for safe and efficient integration of transit, pedestrian, bicycle/ shared mobility and vehicular traffic;
 - ii. Ensure corridor-wide human-scale public realm;
 - iii. Ensure ADA accessibility throughout the corridor;
 - iv. Provide wayfinding recommendations for convenient access to all corridor amenities.
- b. **TOD supportive land-use and zoning recommendations** will:
- i. Ensure that zoning code allows for transit supportive densities throughout the corridor;
 - ii. Provide recommendations for incentives to future developers in the corridor;
 - iii. Provide corridor specific land-use classification to encourage mixed-use, human-scale development;
 - iv. Provide recommendations to ensure housing affordability along the corridor.
- c. **Capital Improvement Plan (CIP) recommendation for infrastructure improvements** will:
- i. Allow for systematic evaluation of all potential capital projects that would benefit and add value to the TODs in the ONELINE corridor;
 - ii. Provide a priority based listing and assign timelines for all identified infrastructure improvement projects;
 - iii. Identify options for financing these projects.
- d. **Financial Plan**, designed to address the challenges in identifying continued and appropriate funding sources, will evaluate and recommend financial tools to assist ONELINE BRT planning project at all stages.

Project Costs for Subtask 400.03: ONELINE Project Study

Proposed Funds FY 2019 & FY 2020	FHWA Funds	FTA Funds	MDOT Funds	CMPDD Funds	Jackson Funds	Total Funds
Jackson FTA, MAP-21 Section 20005(b) funds (80%) and City of Jackson Match (20%) (1)		\$1,000,000			\$250,000	\$1,250,000
Total Funds Subtask 400.03		\$1,000,000			\$250,000	\$1,250,000

(1) Includes City of Jackson personnel salaries, fringe benefits and related costs with training activities including registration fees, costs of technical publications, subscription, licenses, permits, administrative activities, services, supplies, travel related costs associated with training activities, and third-party consultants/contractors.

Note: This planning project is funded with federal funds from FTA's discretionary Pilot Program for Transit-Oriented Development Planning.

Unified Planning Work Program for Fiscal Years 2019 and 2020
Time Schedule for Tasks and Subtasks

TASK	Subtask	Fiscal Year 2019												Fiscal Year 2020															
		Oct. 18	Nov. 18	Dec. 18	Jan. 19	Feb. 19	Mar. 19	Apr. 19	May 19	June 19	July 19	Aug. 19	Sept. 19	Oct. 19	Nov. 19	Dec. 19	Jan. 20	Feb. 20	Mar. 20	Apr. 20	May 20	June 20	July 20	Aug. 20	Sept. 20				
100: Transportation Planning Process Program Administration																													
100.01	Program Management																											TMA Certification Review Process	
100.02	Prospectus UPWP (1)																											UPWP for 2021-2022	
100.03	PPP/ Citizen Involvement																												
200: System Planning																													
200.01	Performance Measures & Targets		Initial Targets Set			Safety Targets set annually																						Safety Targets set annually	
200.02	Roadway Element/Local Plans																												
200.03	Bicycle & Ped																												
200.04	Transit Plan																												
200.05	Freight Plan																												
200.06	TIP (2)																											TIP for FY 2021-2024	
300 Data Collection and Analysis																													
300.01	Pavement Management																												
300.02	Congestion Management																												
300.03	Traffic Counting																												

**Unified Planning Work Program for Fiscal Years 2019 and 2020
Time Schedule for Tasks and Subtasks Continued**

TASK	Subtask	Fiscal Year 2019												Fiscal Year 2020												
		Oct. 18	Nov. 18	Dec. 18	Jan. 19	Feb. 19	Mar. 19	Apr. 19	May 19	June 19	July 19	Aug. 19	Sept. 19	Oct. 19	Nov. 19	Dec. 19	Jan. 20	Feb. 20	Mar. 20	Apr. 20	May 20	June 20	July 20	Aug. 20	Sept. 20	
300 Data Collection and Analysis																										
	300.04 Traffic Sign Retro Program																									
	300.05 Transportation Database																									
400 Support Activities																										
	400.01 Professional Development (3)																									
	400.02 Special Studies																									
	400.03 ONELINE Study																									

Footnotes:

- (1) Additional amendments to the Prospectus and the Unified Planning Work Program for FY 2019 and 2020 may become necessary as a result of the passage of the Fixing America’s Surface Transportation (FAST) Act, but the timing of those amendments will depend upon issuance of the Federal regulations implementing FAST Act regulations.*
- (2) The Transportation Improvement Program (TIP) for Fiscal Years 2021-2024 is expected to be prepared in the summer of 2020, but amendments to the TIP for Fiscal Years 2019-2022 may be necessary at any time during the year.*
- (3) This schedule of training activities reflects only those conferences or courses that the MPO is aware of as of June 2018. Participation by the MPO staff in other training activities is possible at any time of the year.*

Unified Planning Work Program for Fiscal Years 2019 and 2020
Summary Table for End Products by Tasks

Tasks	Product*	Timeframe	Completion Date
100 Transportation Planning Process program Administration	Quarterly Reports for FHWA & FTA	Quarterly	October, January, April, July
	Technical Committee Meetings	Quarterly	November, February, May, August
	Policy Committee Meetings	Quarterly	November, February, May, August
	Bicycle and Pedestrian Subcommittee Meetings	Biannually	February, August
	Transit Committee Meetings	Biannually	November, May
	Stakeholders Committee Meetings	As needed October 2018 – September 2020	Ongoing
	Prospectus revisions	As needed October 2018 – September 2020	Ongoing
	2019-2020 UPWP revisions	As needed October 2018 – September 2020	Ongoing
	Public Participation Plan revisions	As needed October 2018 – September 2020	Ongoing
	Annual Outreach Summary	Annually	December
	Title VI and ADA Plan review	As needed October 2018 – September 2020	Ongoing
	Quarterly Newsletter	Quarterly	October, January, April, July
	Public Meetings	As needed October 2018 – September 2020	As Required
200 System Planning	Setting Performance Targets	Every 4 years	November 2018
	Safety Performance Targets	Annually	February
	Comprehensive Plans containing Land Use and Transportation Plans	As needed October 2018 – September 2020	Ongoing
	Data collection to update travel demand model as part of the 2045 Metropolitan Transportation Plan	As needed October 2018 – September 2020	Ongoing
	Amendments to the 2040 Metropolitan Transportation Plan	As needed October 2018 – September 2020	Ongoing
	2045 Metropolitan Transportation Plan Elements	As needed October 2018 – September 2020	December 2020
	2019-2022 TIP Amendments	As needed Quarterly	November, February, May, August
	TIP Project Update Meetings	As needed October 2018 – September 2020	Ongoing
	Annual List of Obligated Projects	Annually	December

Tasks	Product*	Timeframe	Completion Date
300 Data Collection and Analysis	Collection of pavement management data	As needed October 2018 – September 2020	Annually
	Traffic Counts	As needed October 2018 – September 2020	Ongoing
	Traffic sign database	As needed October 2018 – September 2020	Ongoing
	Maintenance of interactive webmaps	As needed October 2018 – September 2020	Ongoing
	Maintenance of transportation database including maps	As needed October 2018 – September 2020	Ongoing
400 Support Activities	Professional Development	As needed October 2018 – September 2020	Ongoing
	Special Studies	To be determined at the completion of the 2045 MTP update	
	ONELINE street design and planning guidelines	As needed October 2018 – September 2020	Ongoing
	ONELINE supportive land use and zoning recommendations	As needed October 2018 – September 2020	Ongoing
	ONELINE Capital Improvement Plan	As needed October 2018 – September 2020	Ongoing
	ONELINE Financial Plan	As needed October 2018 – September 2020	Ongoing

**Please note while we have tried to produce a comprehensive list of all major work products additional products not listed above may be required as part of the FY 2019-2020 UPWP.*