

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

UNIFIED PLANNING WORK PROGRAM
FOR TRANSPORTATION PLANNING FOR
THE MISSISSIPPI GULF COAST
METROPOLITAN PLANNING AREA

FY 2019 – 2020

October 1, 2018 to September 30, 2020

Prepared by the
GULF REGIONAL PLANNING COMMISSION
September 20, 2018

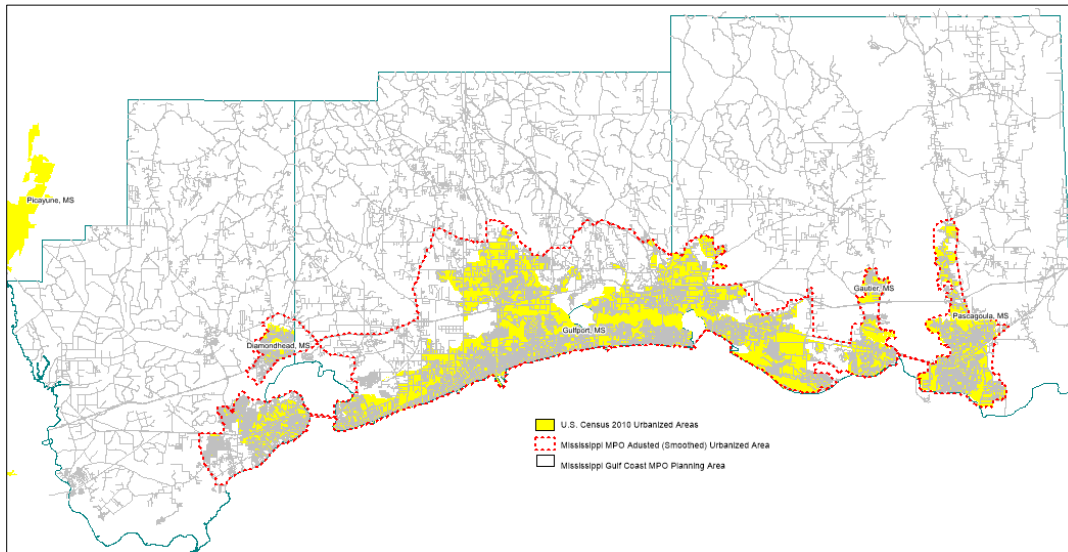
Mississippi Gulf Coast Metropolitan Planning Organization FY 2019-2020 UPWP

Introduction

Gulf Regional Planning Commission (GRPC) was designated by the governor of Mississippi as the Mississippi Gulf Coast MPO on December 20, 1973. GRPC serves as administrative and planning staff for the Mississippi Gulf Coast Metropolitan Planning Organization. GRPC performs the principal planning and programming functions of the MPO under the direction of a Transportation Policy Committee (TPC) advised by a Technical Coordinating Committee (TCC). The TPC, as the designated policy-making body of the MPO, holds the ultimate responsibility for making decisions regarding the regional transportation system in accordance with federal legislation (23 USC 134(b) and 49 USC 5303(c)). The TCC provides technical input to the decision-making process.

The Mississippi Gulf Coast Planning Area encompasses three counties in which are located 12 municipalities: Waveland, Bay Saint Louis and Diamondhead in Hancock County; Pass Christian, Long Beach, Gulfport, Biloxi and D'Iberville in Harrison County; and Ocean Springs, Gautier, Pascagoula and Moss Point in Jackson County. There are actually two distinct urbanized areas within the planning area: the Gulfport Urbanized Area (UZA) which stretches from Bay Saint Louis to Ocean Springs and includes portions of all three coastal counties; and the Pascagoula UZA located in the eastern half of Jackson County.

Figure 1: MPO Planning Area



UPWP

The UPWP lists the transportation studies and tasks that MPO staff and member agencies will perform to support the metropolitan transportation planning process. It must identify the funding source for each project, the schedule of activities, and the agency or agencies responsible for each task or study. MPO staff facilitates the collaboration of governments, interested parties and residents to elicit the region's vision for transportation using data and planning methods described in the Unified Planning Work Program (UPWP), to generate and evaluate alternatives, policies and processes in providing direction for the allocation of limited resources.

Changes to the UPWP can be made as needed, however the following types of amendments require federal approval: An increase in federal funds, cumulative transfer among already approved work program line items

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

greater than 10% of the total federal funds or \$100,000 (whichever is greater), change in scope or objectives of activities, extension of time period of the approved work program, transfer of substantive program work to a third party, and capital expenditures, including the purchase of equipment.

MPO PRIORITIES

Due to the linearity of our region, north-south mobility is very important to provide movement between the two major east-west corridors I-10 and US 90. The proper spacing between the north-south mobility corridors is an important consideration in providing for efficient movement of people and goods. Commuting trips are very sensitive to the costs of lost productivity due to travel time variability under congested road conditions. Congestion delay causes more time in traffic which also increases fuel costs. The value of travel time for individuals traveling in trucks considers both the average wage paid drivers and other relevant factors such as excess costs avoided by on-time delivery. The MPO's congestion mitigation planning identifies existing traffic congestion on the mobility corridors. These areas should receive priority when making transportation funding decisions.

MPO staff facilitates the production of planning products that include analyses, studies and other documented information to provide direction for the allocation of limited resources. MPO planning programs, studies, policies and collaboration activities presented in the UPWP are used to generate lists of priority projects for roughly mirroring transportation funding sources including: regionally significant projects, local federal-aid projects, safety projects, congestion management projects, bicycle and pedestrian projects and transit/demand management projects.

- **Guide/Support Transportation Decision Making** - The MPO guides transportation decision-making by performing the planning and public administrative work necessary to develop and maintain the region's long-range plans, short range plans and Transportation Improvement Program (TIP). GRPC will maintain its certification as the MPO to ensure that the region is eligible to apply and receive federal transportation dollars. The MPO will continue to carry out metropolitan transportation planning in cooperation with the state and with operators of publicly owned transit services.
- **Facilitation, Education & Outreach** - The MPO uses various techniques to engage the public and other affected people in the MPO planning process by actively reaching out to the public to create new channels of communication that will make the transportation system more responsive to the needs of the users. The MPO also educates stakeholders and promotes innovative measures to enhance the safety of the transportation system through tasks described in this document.
- **Project Development/Delivery** - MPO staff uses planning tasks identified in the UPWP to monitor transportation conditions leading to the identification and development of transportation projects that specifically address MPO objectives. The MPO has become a steward of project readiness and *Every Day Counts*, by working closely with the LPAs to maintain the project development schedule.

**Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP**

MPO Guidance

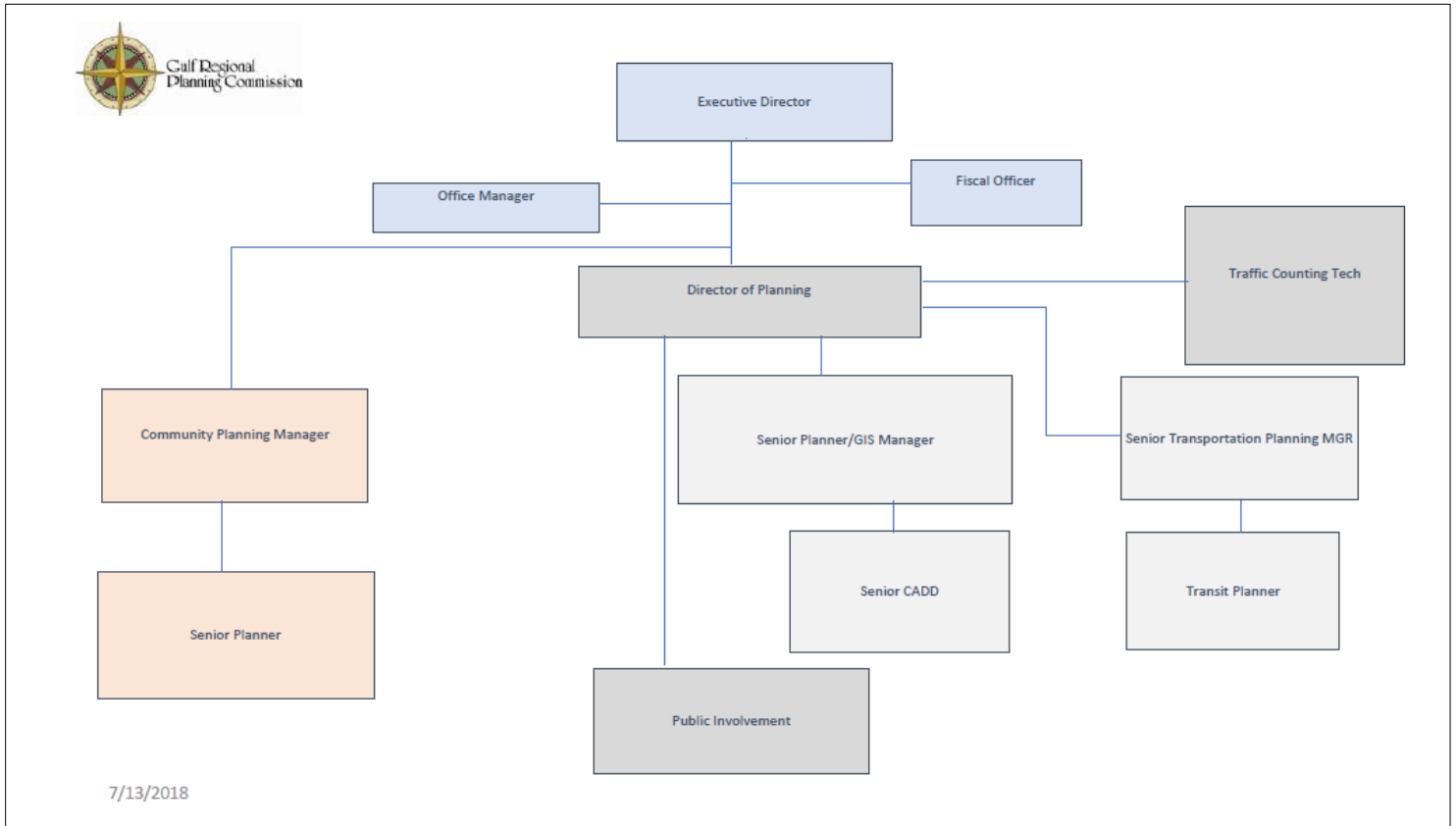
Congress passes a new Transportation Bill approximately every four to six years, the latest of which is entitled the *Fixing America's Surface Transportation Act (FAST)*. Planning factors may change as new bills are passed. The FAST Act established two additional planning factors for storm water and tourism. As required by 23 USC 134(h), the tasks in this work plan are components of the Mississippi Gulf Coast MPO’s transportation planning process will address the following factors:

- Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency
- Increase the safety of the transportation system for motorized and nonmotorized users
- Increase the security of the transportation system for motorized and nonmotorized users
- Increase the accessibility and mobility of people and for freight
- Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns
- Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight
- Promote efficient system management and operation
- Emphasize the preservation of the existing transportation system
- Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation
- Enhancing travel and tourism

| | | Economic Vitality | Safety | Security | Mobility & Accessibility | Environment | Connectivity | Operations | Preservation | Resiliency | Stormwater | Tourism |
|-----|--|----------------------|--------|----------|-----------------------------|-------------|--------------|------------|--------------|------------|------------|---------|
| A.1 | MPO Administration and UPWP Management | * | * | * | * | * | * | * | * | * | * | * |
| A.2 | Outreach and Education | | * | * | * | * | * | * | * | * | * | * |
| A.3 | MPO Committee Coordination | * | * | * | * | * | * | * | * | * | * | * |
| A.4 | Transportation Improvement Program | * | * | * | * | * | * | * | * | * | * | * |
| A.5 | Project Administration | * | * | * | * | * | * | * | * | * | * | * |
| B.1 | MPO Planning | | * | * | * | | * | * | | * | * | |
| B.2 | Long Range Planning | * | * | * | * | * | * | * | * | * | * | * |
| B.3 | Transit Planning Program | | * | * | * | | * | | | | | * |
| C.1 | Planning tools and Data Development | * | * | * | * | * | * | * | * | * | * | * |
| C.2 | Local Support | * | | | | | | | | | | * |
| D.1 | Traffic Data Collection Program | * | * | * | * | * | * | * | * | * | * | * |
| E.1 | Special Projects | * | * | * | * | * | * | * | * | * | * | * |

Mississippi Gulf Coast Metropolitan Planning Organization
 FY 2019-2020 UPWP

ORGANIZATIONAL CHART



PROJECTED STUDIES AND PROJECTS

Congestion Management Plan - *update*
 MPO performance measure report
 MPO newsletter
 Active Transportation Plan
 Safety Management Plan - *update*
 Freight report
 2045 Metropolitan Transportation Plan - *update*
 Bridge Monitoring Program
 School Zone Safety Program PH II
 Roundabout Scan
 Corridor Scan

CTA Title VI Plan - *update*
 Formalized Transit Stops Report
 30/60 Minute Headway Recommendations
 CTA Service Review and Impact Report
 Coordinated Transportation Plan - *update*
 MPO studies
 2018 & 2019 Apartment Study
 East-West Corridor Project
 MPO project scans
 List of Priority Projects (LOPP)

**Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP**

FINANCIAL SUMMARY

In accordance with 23 U.S.C. 104 generally, Metropolitan Planning funds are made available from FHWA and FTA through the Consolidated Planning Grant Agreement to each Metropolitan Planning Organization (MPO) designated for an urbanized area with a population of more than 50,000 individuals and responsible for carrying out the 3-C metropolitan planning process.

METROPOLITAN PLANNING (PL) FUNDS

The purpose of Metropolitan Planning funds is to carry out the requirements of 23 U.S.C. 134 and provide for a continuing, comprehensive, and cooperative (3-C) metropolitan transportation planning process. As required by 23 CFR 450.308(b), the MPO shall document planning activities in a Unified Planning Work Program (UPWP). Funds are apportioned annually to MDOT according to a statutory formula. MDOT makes funds available to the MPOs in the State based on an approved distribution formula.

Project number: 107843-101000 PL

STATE PLANNING AND RESEARCH (SP&R)

The State Planning and Research Program funds States' statewide planning and research activities. The funds are used to establish a cooperative, continuous, and comprehensive framework for making transportation investment decisions and to carryout transportation research activities throughout the State. Funding is provided for SP&R by a 2% set-aside from each State's apportionments of four programs: The National Highway Performance Program (NHPP); the Surface Transportation Program (STP); the Highway Safety Improvement Program (HSIP); and the Congestion Mitigation Air Quality Improvement Program (CMAQ) Program. The MPO uses these funds for its traffic count program.

Project number: 107838-112200 SPR Traffic Counts

METROPOLITAN PLANNING PROGRAM (MPP)

MPP (Section 5305) or FTA-flex funds are a major source of Federal financial assistance to help urbanized areas (UZAs) plan for the development, improvement, and effective management of their multimodal transportation systems. MPP funds are available to carry out the metropolitan transportation planning process and meet the transportation planning requirements of the joint Federal Transit Administration (FTA)/Federal Highway Administration (FHWA) planning regulations. In general, MPP grants are available to assist States, authorities of the States, Metropolitan Planning Organizations (MPOs), and local governmental authorities with: preparing transportation plans and programs; planning, engineering, designing, and evaluating a public transportation project; and conducting technical studies related to public transportation. These funds are distributed by FTA to the states based on urbanized area populations. These funds, in turn, are sub-allocated by states to MPOs by a formula that considers each MPO's urbanized area population, their individual planning needs, and a minimum distribution.

Project number: 107843-102000 Flex

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

2019 – 2020 ANTICIPATED REVENUE

| Item | Total PL | PL | Local | Total FTA | FTA | MDOT | SPR | MDOT | Alt 5339 | Local |
|--------------|--------------------|--------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Carryover | \$106,600 | \$85,280 | \$21,320 | | \$0 | \$0 | | | \$16,800 | \$4,200 |
| FY 2019 | \$705,203 | \$564,162 | \$141,041 | \$234,761 | \$187,809 | \$46,952 | \$120,000 | \$30,000 | \$40,000 | \$10,000 |
| FY 2020 | \$719,306 | \$575,445 | \$143,861 | \$239,456 | \$191,565 | \$47,891 | \$120,000 | \$30,000 | | |
| Total | \$1,531,109 | \$1,224,887 | \$306,222 | \$474,218 | \$379,374 | \$94,844 | \$240,000 | \$60,000 | \$56,800 | \$14,200 |

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------------|--|--------------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|
| A.1 | MPO Admin and UPWP Management | \$208,665 | \$52,166 | \$128,492 | \$32,123 | | | | |
| A.2 | Outreach and Education | \$97,185 | \$24,296 | \$32,394 | \$8,099 | | | | |
| A.3 | MPO Committee Coordination | \$75,642 | \$18,911 | | | | | | |
| A.4 | Transportation Improvement Program | \$92,821 | \$23,205 | | | | | | |
| A.5 | Project Administration | \$115,124 | \$28,781 | | | | | | |
| B.1 | MPO Planning | \$69,938 | \$17,485 | | | | | | |
| B.2 | Long Range Planning | \$28,734 | \$7,183 | \$28,733 | \$7,183 | | | | |
| B.3 | Transit Planning Program | \$0 | \$0 | \$122,938 | \$30,734 | | | | |
| C.1 | Planning Tools and Data Development | \$197,997 | \$49,499 | \$66,818 | \$16,704 | | | | |
| C.2 | Local Support | \$109,624 | \$27,406 | | | | | | |
| D.1 | Traffic Data Collection Program | \$0 | \$0 | | | \$139,537 | \$34,884 | | |
| | Equipment | \$0 | \$0 | | | \$100,463 | \$25,116 | | |
| E.1 | Special Projects, Support and Development | \$57,466 | \$14,367 | | | | | \$56,800 | \$14,200 |
| | MPO expense, etc. | \$56,000 | \$14,000 | | | | | | |
| | IT expense | \$29,280 | \$7,320 | | | | | | |
| | Speakers, Workforce Development | \$12,000 | \$3,000 | | | | | | |
| | Website Consultant | \$16,000 | \$4,000 | | | | | | |
| | Apartment Study | \$5,200 | \$1,300 | | | | | | |
| | EIA Consultant | \$12,000 | \$3,000 | | | | | | |
| | Engineering Consultant | \$41,211 | \$10,303 | | | | | | |
| | | \$1,224,887 | \$306,222 | \$379,374 | \$94,844 | \$240,000 | \$60,000 | \$56,800 | \$14,200 |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

WORK PROGRAM TASKS

- A.1 MPO ADMINISTRATION AND UPWP MANAGEMENT
- A.2 OUTREACH AND EDUCATION
- A.3 MPO COMMITTEE COORDINATION
- A.4 TRANSPORTATION IMPROVEMENT PROGRAM
- A.5 PROJECT ADMINISTRATION
- B.1 MPO PLANNING
- B.2 LONG RANGE PLANNING
- B.3 TRANSIT PLANNING PROGRAM
- C.1 PLANNING TOOLS AND DATA DEVELOPMENT
- C.2 LOCAL SUPPORT
- D.1 TRAFFIC DATA COLLECTION PROGRAM
- E.1 SPECIAL PROJECTS, SUPPORT AND DEVELOPMENT

**Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP**

A.1 MPO ADMINISTRATION AND UPWP MANAGEMENT

Responsible Party and Contact Information:

Name/Title: Paul Gavin, Executive Director
 Telephone Number: 228-864-1167
 Email: pgavin@grpc.com

Purpose and Scope:

Activities in the Unified Planning Work Program (UPWP), transportation planning process, human resources, information technology needs, and administrative/operational activities required to function as an MPO.

Accomplishments during Previous Work Program Period:

2017 Federal MPO certification review, Safety Performance Measure Targets

Planned Activities for this Work Program:

- Manage the day-to-day activities of the MPO, ensuring proper staffing, technical resources, and office infrastructure are available to complete activities identified in the UPWP.
- Maintain continued eligibility for federal and state transportation aid through the maintenance of a certified urban transportation planning process.
- Perform annual self-certification.
- Work with IT consultants to maintain and update office IT infrastructure including server, phone systems, employee workstations, and software packages.
- Outline and implement the MPO’s transportation planning vision by developing and managing the activities in the Unified Planning Work Program (UPWP).
- Develop new skills and expertise in transportation planning by participating in webinars.
- Participate in meetings with MPO collaborators including but not limited to MDOT, FHWA, FTA and the LPAs to advance transportation planning programs.
- Prepare reports pertaining to MPO activities to the GRPC Board and MDOT.
- Establish a performance-based approach to MPO planning process. Based on the performance areas the MPO and public transit providers will develop strategies and targets for each of the performance measures.

Deliverables: *UPWP, MDOT quarterly reports, GRPC Board reports, performance targets*

Projected Cost:

| Task | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|-----------------------------------|-----------|-------------|-----------|------------|-----------|------------|----------|-------------|
| A-1 MPO Admin and UPWP Management | \$208,665 | \$52,166 | \$128,492 | \$32,123 | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

A.2 OUTREACH AND EDUCATION

Responsible Party and Contact Information:

Name/Title: Paul Gavin, Executive Director
 Telephone Number: 228-864-1167
 Email: pgavin@grpc.com

Purpose and Scope:

The MPO will undertake the strategic measures identified in the MPO Public Participation Plan to create a more informed public by providing opportunities for involvement transportation planning programs and processes.

Accomplishments during Previous Work Program Period:

Education workshops including Roundabout Design, Lane Departure Mitigation Strategies and Bike/Pedestrian.

Planned Activities for this Work Program:

- Implement the MPO’s Public Participation Plan (PPP) including Coast Transit Authority (CTA) requirements, MPO requirements and targeted outreach efforts.
- Review the effectiveness of the procedures and strategies contained in the participation plan to ensure a full and open participation process.
- Update Public Participation Plan (PPP) plan.
- Provide a periodic newsletter to describe results of planning activities and best practices.
- Present the TIP, MTP and MPO other plans with new visualization techniques.
- Maintain social media accounts to share and discuss current events related to transportation.
- Coordinate a Citizens Advisory Committee (CAC) to identify transportation problems and issues that concern them. Maintain communication with members, schedule meetings, prepare agendas and presentations.
- Maintain an MPO Environmental Justice and Title VI program that provides analyses and targeted outreach to comply with these requirements.
- Host a Transportation Summit to provide information and obtain input on transportation issues.

Deliverables

Public Participation Plan, newsletter, MPO website meeting agendas, minutes, membership information

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|------------------------|----------|-------------|----------|------------|-----------|------------|----------|-------------|
| A.2 | Outreach and Education | \$97,185 | \$24,296 | \$32,394 | \$8,099 | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

A.3 MPO COMMITTEE COORDINATION

Responsible Party and Contact Information:

Name/Title: Kenneth Yarrow, Transportation Planning Manager
 Telephone Number: 228-864-1167
 Email: kyarow@grpc.com

Purpose and Scope:

To communicate information to and between the MPO Policy Committee, Technical Committee and MPO staff to facilitate the decision-making process for implementing the transportation vision for the Gulf Coast region.

Accomplishments during Previous Work Program Period:

Quarterly MPO meetings

Planned Activities for this Work Program:

- Host Technical Coordinating Committee (TCC) and Transportation Policy Committee (TPC) meetings.
- Make arrangements for meeting space
- Preparation of agendas and minutes.
- Work with MPO staff planners and others on presentation material.
- Maintain active representatives and mailing lists for each MPO member.

Deliverables

MPO meeting agendas, minutes, MPO member contact lists

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|----------------------------|----------|-------------|----------|------------|-----------|------------|----------|-------------|
| A.3 | MPO Committee Coordination | \$75,642 | \$18,911 | | | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

A.4 TRANSPORTATION IMPROVEMENT PROGRAM

Responsible Party and Contact Information:

Name/Title: Kenneth Yarrow, Transportation Planning Manager
 Telephone Number: 228-864-1167
 Email: kyarow@grpc.com

Purpose and Scope:

MPO staff works with local public agencies (LPAs) of all modes to annually update the TIP. The MPO coordinates with FHWA, MDOT and local LPAs to keep the TIP updated with current project timelines, project description and funding allocations. This is an ongoing task for the MPO.

Accomplishments during Previous Work Program Period:

2018 Call for Projects process, 2019-2022 TIP development, TIP Handbook update, TIP development process and policy update.

Planned Activities for this Work Program:

- Develop recommendations for asset management strategy for the Gulf Coast MPO STBG and TAP funds.
- Perform an annual call for projects, collect project funding requests and prepare a prioritized list using results of the adopted project evaluation process.
- Staff maintains TIP Handbook describing the processes and policies for the TIP.
- Communicate with the Gulf Coast local public agencies and host project meetings to gain information required to track status of projects to reduce project delivery delays.
- Future TIP projects
- Attend project kickoff meetings, field reviews and office reviews to represent MPO interests and adherence of Complete Streets Policy.
- MPO staff develops the TIP document, manages TIP amendments, administrative modifications.
- Work with transit agencies to develop the transit Program of Projects (POP).
- Manage list of obligated projects

Deliverables

TIP Handbook, TIP

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|------------------------------------|----------|-------------|----------|------------|-----------|------------|----------|-------------|
| A.4 | Transportation Improvement Program | \$92,821 | \$23,205 | | | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

A.5 PROJECT ADMINISTRATION

Responsible Party and Contact Information:

Name/Title: Jeff Loftus, Community Planning Manager
 Telephone Number: 228-864-1167
 Email: jol@grpc.com

Purpose and Scope:

Provide contract administration services to GRPC projects, MPO funded Studies and other assistance to LPAs.

Accomplishments during Previous Work Program Period:

Contractual processes and administration for Safety Projects PH II, Traffic Signal Priority Project, etc.

Planned Activities for this Work Program:

- Monitor the grant opportunities for the implementation of transportation projects and programs. Grants may include but are not limited to U.S. DOT programs such as BUILD, INFRA and FTA programs.
- Coordinate with MDOT on funding opportunities such as TAP and HSIP.
- Monitor federal and state legislation to identify bills that impact local transportation funding opportunities.
- Provide contract administration for projects and studies.
- Maintain certification for the MDOT’s Local Public Agency (LPA) process
- Search and apply for grants to support planning and project development.
- Provide expert assistance to local public agencies for grants to pursue transportation projects in the region.
- GRPC may purchase programs used for grant research, benefit-cost analysis and economic impact analysis.
- GRPC will administer a Request for Qualifications (RFQ) and contracting to secure and implement on-call engineering support and Economic Impacts Analyses (EIA).
- Provide oversight for procurement process to select consultants and administer the LPA process during the contractual period for GRPC lead projects.
- Develop a GRPC consultant procurement policy

Deliverables

Grants software, active contracts report, procurement for GRPC consultants, GRPC consultant procurement policy

Projected Cost

| Task | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|----------------------------|-----------|-------------|----------|------------|-----------|------------|----------|-------------|
| A.5 Project Administration | \$115,124 | \$28,781 | | | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

B.1 MPO PLANNING

Responsible Party and Contact Information:

Name/Title: Kenneth Yarrow, Transportation Planning Manager
 Telephone Number: 228-864-1167
 Email: kyarow@grpc.com

Purpose and Scope:

This section contains activities related to multimodal transportation system planning

Accomplishments during Previous Work Program Period:

Planned Activities for this Work Program:

- Develop and implement the MPO’s Active Transportation Plan to expand and improve amenities for bicycles and pedestrians. This plan will include but is not limited to a vision for a bicycle network, road diet opportunities, speed management program, pedestrianized intersection program and signage program.
- Update the MPO Safety Program including safety emphasis areas. Identify locations with high numbers of traffic crashes and rates for project development.
- Develop an MPO Freight Program by identify methods for addressing freight needs in the region. Coordinate with local airports and seaports to identify and prioritize freight mobility and access improvements.
- Develop a Bridge Monitoring Program to support bridge performance measures and the TIP’s bridge group.
- Develop a Storm Water Mitigation Program to address issues on roadways throughout the region.
- Prepare the MPO School Zone Improvement Program (SZIP) by engaging school district and school staff in the road safety discussion, developing a safety audit team, conducting audits within the mapped school zone, developing a summary report for each participating school that notes identified deficiencies and makes improvement recommendations, with support of hired consultants.
- Update the Congestion Management Process (CMP) by conducting an analysis focusing on identifying congested corridors. Perform roadway level of service analyses using acceptable techniques. The CMP will be used in the long-range plan process to identify existing traffic congestion in the region.
- Perform a Roundabout Scan of the region to identify intersections with characteristics suitable for the consideration of roundabout installation.
- Perform a Corridor Scan of roadways and identify areas that would benefit from the installation medians.

Deliverables

Active Transportation Plan, Freight Report, Safety Management Plan, Congestion Management Plan, Bridge Monitoring Program, SZIP report, Storm Water Mitigation Program, roundabout scan, corridor scan

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|--------------|----------|-------------|----------|------------|-----------|------------|----------|-------------|
| B.1 | MPO Planning | \$69,938 | \$17,485 | | | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

B.2 LONG RANGE PLANNING

Responsible Party and Contact Information:

Name/Title: Kenneth Yarrow, Transportation Planning Manager
 Telephone Number: 228-864-1167
 Email: kyarow@grpc.com

Purpose and Scope:

Satisfy requirements for the development of the region’s long-range transportation planning and measurement of performance. Prepare material to identify and review priority projects in the region for development.

Accomplishments during Previous Work Program Period:

Research and training for data driven methods for the measurement of performance and project evaluation.

Planned Activities for this Work Program:

To maintain, update and implement the region’s vision for regional mobility.

- MPO staff will work with MDOT consultants to develop the 2045 Metropolitan Transportation Plan.
- Develop an annual List of Priority Projects (LOPP) for the Gulf Coast region which is submitted to MDOT, state legislature, Governor and other decision makers. The report communicates the projects that the Gulf Coast would like to see considered for Federal and State funding.
- Perform MPO Project Scans for recommended transportation projects and alternatives identified by MPO planning and the Metropolitan Transportation Plan. The scans will identify significant environmental and community impacts involving the project, provide a clearer understanding of the economic and mobility impacts that may have significant effects on the region. They will determine the feasibility of a proposed project, provide early and continuous agency and community involvement, provide early identification of potential avoidance, minimization and mitigation opportunities and identify of potential key issues for scope development.
- MPO staff will obtain all required data to monitor, measure, report targets for the federally required performance measures to implement performance-based planning relating to planning efforts

Deliverables

2045 MTP, MPO project scan, LOPP

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|---------------------|----------|-------------|----------|------------|-----------|------------|----------|-------------|
| B.2 | Long Range Planning | \$28,734 | \$7,183 | \$28,733 | \$7,183 | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

B.3 TRANSIT PLANNING PROGRAM

Responsible Party and Contact Information:

Name/Title: Kenneth Yarrow, Transportation Planning Manager
 Telephone Number: 228-864-1167
 Email: kyarow@grpc.com

Purpose and Scope:

Provide transit planning assistance to Coast Transit Authority.

Accomplishments during Previous Work Program Period:

Transit stop planning, transit shelter placement, service review plans, impact analyses and support.

Planned Activities for this Work Program:

- Provide an annual review of CTA service to help determine if adjustments are needed to existing routes. Perform equity analyses for major changes proposed to the system.
- Make recommendations and work with CTA regarding the location of formal transit facilities to eliminate the “hail” system which causes lost time due to unlimited stopping locations.
- Lead development of the Traffic Signal Priority (TSP) project to provide efficient movement for Coast Transit Authority (CTA) buses and emergency vehicles by coordinating with the operation of the traffic signal.
- Analyze exiting routes to make changes that will help reach the desired 30/60-minute headway system.
- Analyze new service areas for potential route implementation in areas with where demand remains unmet.
- Update CTA’s Title VI plan due in FY 2019.
- Provide updates as required to the Coordinated Transportation Plan and Asset Management Plan.
- Work with CTA to establish and report on transit performance measures
- Perform the FY20 NTD Survey
- Provide analyses for transit amenity distribution, transit service, and ADA considerations within and out of Environmental Justice Areas.

Deliverables

Title VI plan, Coordinated Transportation Plan, Asset Management Plan, service review and impact report, formalized transit stops report, 30/60 minute headway recommendations

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|--------------------------|----------|-------------|-----------|------------|-----------|------------|----------|-------------|
| B.3 | Transit Planning Program | | | \$122,938 | \$30,734 | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

C.1 PLANNING TOOLS AND DATA DEVELOPMENT

Responsible Party and Contact Information:

Name/Title: Ken Holland, GIS Manager
 Telephone Number: 228-864-1167
 Email: kwholland@grpc.com

Purpose and Scope:

This section contains activities needed maintain data used in MPO planning and project development such as socioeconomic and land use data, transportation system data, and environmental concerns and issues.

Accomplishments during Previous Work Program Period:

CTA mapping support, land use data, mapping support, GIS support, street centerline file, modeling support.

Planned Activities for this Work Program:

- Maintain and keep current its database of statistics from the US Census Bureau’s decennial Census and American Community Survey, and products derived from these sources.
- Maintain GIS coverage of centerline streets including updating of roadway classifications.
- Provide as needed maps for Coast Transit Authority for their use.
- Maintain and continue to develop and enhance its land use GIS database
- Assist MDOT and consultants on the 2045 long range plan update to build and maintain a regional travel-demand model and update TAZ data.
- Utilize GIS and the travel demand model to assist in MPO planning and MPO project scans.
- Maintain and update the Gulf Coast’s federally functionally classified roadway system.
- Use CMF clearinghouse for Crash Modification Factors to compute expected crash reduction to develop recommendations for countermeasures.
- Support MPO planning by maintaining crash data obtained from MDOT in a GIS, perform analyses as required and help accomplish performance measure reporting.
- Track storm water inundation to roadways to support MPO planning.

Deliverables

Street centerline file, CTA maps, GIS data files

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|-------------------------------------|-----------|-------------|----------|------------|-----------|------------|----------|-------------|
| C.1 | Planning Tools and Data Development | \$197,997 | \$49,499 | \$66,818 | \$16,704 | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

C.2 LOCAL SUPPORT

Responsible Party and Contact Information:

Name/Title: Ken Holland, GIS Manager
 Telephone Number: 228-864-1167
 Email: kwholland@grpc.com

Purpose and Scope:

Specialized projects for member local governments that support the MPO planning process that may include sign inventories, sidewalk inventories, safety audits, land use inventories, signal warrant analyses, GIS updates for zoning and building structures, etc.

Accomplishments during Previous Work Program Period:

Various technical assistance to LPAs

Planned Activities for this Work Program:

- MPO Retroreflectivity Program
- Provide technical support to MPO members.
- Represent the MPO in state, regional and local meetings.
- Provide GIS support for MPO member jurisdictions.

Deliverables

Reports

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|---------------|-----------|-------------|----------|------------|-----------|------------|----------|-------------|
| C.2 | Local Support | \$109,624 | \$27,406 | | | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

D.1 TRAFFIC DATA COLLECTION PROGRAM

Responsible Party and Contact Information:

Name/Title: David Taylor, Planning Director
 Telephone Number: 228-864-1167
 Email: @grpc.com

Purpose and Scope:

Provide traffic counting program to meet MDOT requirements and Local Public Agency needs.

Accomplishments during Previous Work Program Period:

2017 and 2018 traffic counting program

Planned Activities for this Work Program:

- Perform traffic volume counts according to a monthly schedule.
- Quality control for counts taken.
- Equipment Inventory, Acquisition and Maintenance.
- Develop 2018 AADT and submit to MDOT
- Present traffic count data on GRPC’s website.
- Perform special counts to support LPA needs.

Deliverables

2019 & 2020 raw data, 2018 AADTs

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR funds | MDOT match | FTA-5339 | Local match |
|------|---------------------------------|----------|-------------|----------|------------|-----------|------------|----------|-------------|
| D.1 | Traffic Data Collection Program | | | | | \$139,537 | \$34,884 | | |
| | Equipment | | | | | \$100,463 | \$25,116 | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

E.1 SPECIAL PROJECTS, SUPPORT AND DEVELOPMENT

Responsible Party and Contact Information:

Name/Title: Elaine Wilkinson, Regional/Community Planner
 Telephone Number: 228-864-1167
 Email: egw@grpc.com

Purpose and Scope:

Development of MPO projects, outreach and studies. Consultants will be used for various tasks.

Accomplishments during Previous Work Program Period:

MDOT PEL, East-West Corridor project, MDOT’s Hwy 601 tolling study and MPO sponsored studies.

Planned Activities for this Work Program:

- Work with LPAs and consultants on various regional projects and studies including
- Participate in MDOT studies, CTA studies and MPO sponsored studies
- GRPC serves as technical project manager for the East-West Mobility Corridor project.
- GRPC will have a consultant produce the annual Regional Apartment Survey
- Use GRPC on-call engineering consultants on project concepts to provide microsimulation analysis, renderings and opinion of probable costs to help initiate project development.
- Use GRPC consultants on Economic Impacts Analyses (EIA) to assess economic impacts of projects.
- Develop projects from MPO planning activities to be considered for implementation
- Maintaining memberships in organizations, attending conferences, MPO meetings and in-state meetings.
- Use GRPC consultant to maintain and update website to disseminate plans and reports.
- Provide Transportation Workforce Development training opportunities and speakers for targeted audiences.

Deliverables

LPA studies, East-West Corridor Project, 2019 & 2020 Apartment Study, conceptual plans and analyses

Projected Cost

| Task | | PL funds | Local match | FTA-flex | MDOT match | SPR Total | SPR funds | MDOT match | ALT 5339 | Local match |
|------|-------------------------|----------|-------------|----------|------------|-----------|-----------|------------|----------|-------------|
| E.1 | Special Projects | \$57,466 | \$14,367 | | | | | | \$56,800 | \$14,200 |
| | MPO expense, etc. | \$56,000 | \$14,000 | | | | | | | |
| | IT expense | \$29,280 | \$7,320 | | | | | | | |
| | Speakers, Workforce Dev | \$12,000 | \$3,000 | | | | | | | |
| | Website Consultant | \$16,000 | \$4,000 | | | | | | | |
| | Apartment Study | \$5,200 | \$1,300 | | | | | | | |
| | EIA Consultant | \$12,000 | \$3,000 | | | | | | | |
| | Engineering Consultant | \$41,211 | \$10,303 | | | | | | | |

Mississippi Gulf Coast Metropolitan Planning Organization
FY 2019-2020 UPWP

APPENDIX

Projected revenue estimates were provided by MDOT for the UPWP. PL funds and FTA flex funding used for planning activities described in the UPWP are sub allocated to each task based on staff person working on that task.