

MISSISSIPPI GULF COAST
METROPOLITAN PLANNING ORGANIZATION
UNIFIED PLANNING WORK PROGRAM
FOR TRANSPORTATION PLANNING
Fiscal Years 2013-2014



Prepared by the
GULF REGIONAL PLANNING COMMISSION

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Task	Task Description	2013/14 Total Budget	FHWA PL	FHWA PL Local Match	FTA PL Flex	FTA PL Flex MDOT Match	MDOT SPR Traffic Data	MDOT SPR Traffic Data MDOT Match	STP Safety	MPO STP GRPC Studies/ Projects	Sponsor Local Match (STP)
A-1	MPO Administration & Program Management	\$749,178	\$305,245	\$76,311	\$294,098	\$73,524					
A-2	Public Participation Planning & Implementation	\$218,205	\$115,103	\$28,776	\$74,326						
B-1	Transportation Management Systems	\$517,553	\$206,042	\$51,511	\$60,000			\$200,000			
B-2	Transit Planning	\$192,972	\$24,000	\$6,000	\$162,972						
B-3	Long-Range Transportation Planning	\$139,441	\$99,553	\$24,888	\$15,000						
C-1	Regional Database Development	\$416,406	\$285,125	\$71,281	\$60,000						
C-2	Information Systems Management	\$198,909	\$151,819	\$37,955	\$9,135						
D-1	Traffic Data Collection Program	\$300,000				\$240,000	\$60,000				
E-1	MPO Projects and Studies	\$1,000,000							\$800,000	\$200,000	
E-2	MDOT Projects/Studies										
	TOTAL	\$3,732,664	\$1,186,887	\$296,722	\$675,531		\$240,000	\$60,000	\$200,000	\$800,000	

FY 2013-14 UPWP Budget Funding Sources

2012 FHWA PL Carryover	\$140,025
2012 FHWA PL Carryover Local Match	\$35,006
2013 FHWA PL	\$523,431
2013 FHWA PL Local Match	\$130,858
2014 FHWA PL	\$523,431
2014 FHWA PL Local Match	\$130,858
2013 MDOT SPR (Traffic Data Collection)	\$120,000
2013 MDOT SPR (Traffic Data Collection) Match	\$30,000
2014 MDOT SPR (Traffic Data Collection)	\$120,000
2014 MDOT SPR (Traffic Data Collection) Match	\$30,000
2012 FTA PL Flex Carryover	\$294,098
2012 FTA PL Flex Carryover - MDOT Match	\$73,524
2013-14 FTA PL Flex (100%)	\$381,433
MPO STP (Safety)	\$200,000
MPO STP (GRPC Studies/Projects)	\$800,000
MPO STP (GRPC Studies/Projects) local match	\$200,000
Total	\$3,732,664

The purpose of MPO administration and program management is to conduct the business and administer the finances of the MPO toward achievement of the MPO goals and objectives in accordance with federal regulations and the adopted MPO Prospectus. Task A-1 will focus on policy and procedural matters of operating the MPO, management of the plans and programs, and provision of planning assistance and guidance on federal policies and regulations to MPO members.

GRPC maintained offices and staff for the purpose of administration of the MPO. The GRPC staff maintained fiscal accountability in accordance with federal regulations for grant administration, and project managers monitored staff and/or consultant performance on work assignments as required in accomplishing UPWP tasks. MPO policy and technical meetings were held quarterly, with additional special meetings held as needed. The TIP document and project status were closely monitored to move projects forward in accordance with the MDOT Project Development Manual. Amendments and modifications were made to the TIP as necessary, to accommodate the addition, deletion, and/or changes in the scope, termini, and/or funding for the projects.

GRPC will continue to administer the MPO planning process to keep the Mississippi Gulf Coast MPO in compliance with federal regulations.

Deliverables A.1.1: MPO meeting minutes, updated MPO prospectus, MPO certification, Coast Transit Authority (CTA)/GRPC agreements, MDOT/GRPC agreements

The MPO will review, maintain and revise the UPWP as needed.

Deliverables A.1.2: Updated FY2013-2014 UPWP, FY 2015-2016 UPWP

The TIP Handbook will be updated to enhance TIP project selection and development process. The MPO TIP Development Committee will meet every two months, or as needed, to review existing and potential projects. The TIP will be closely monitored to improve the project development and implementation process. The TIP will be amended and modified as necessary to add new projects, modify existing projects and keep the document in fiscally constrained compliance.

Deliverables A.1.3: Updated TIP document, update TIP Handbook, TIP Development Committee meeting minutes

The MPO staff will assist LPAs or other eligible recipients in developing studies, projects and programs in compliance with federal and state regulations, policies and procedures by providing transportation planning data, analysis and guidance.

Deliverables A.1.4: Technical assistance

The MPO staff will continue to stay abreast of federal and state requirements and to pursue innovative approaches to in transportation planning, acquiring knowledge of best practices employed in other regions, and developing new skills and expertise toward furthering the goals of the MPO.

Deliverables A.1.5: Webinars, conferences, workshops and classes for staff and MPO members

MPO staff will coordinate with local jurisdictions and MDOT to update the region's network of functionally classified roadways.

Deliverables A.1.6: Updated MPO functionally classified roadway maps

MPO staff will become familiar with the MAP-21 provisions, requirements and initiatives, and will evaluate the MPO planning process and UPWP to determine if adjustments are needed to better support the intent of the Act. Emphasis will be placed on the development and inclusion of performance measures in the planning process.

Deliverables A.1.7: Updated MPO planning process

\$749,178 (FHWA PL \$305,245; FHWA PL Local Match \$76,311; FTA PL Flex \$294,098; FTA PL Flex MDOT Match \$73,524).

To establish a more informed public regarding the transportation planning process; to identify special populations for targeted outreach; to respond to requests for public information or to allow public input; and, to offer opportunities for involvement and education on transportation planning issues and processes. The MPO public participation activities will include all tasks required in support of the MPO administration of the transportation planning process. GRPC may contract with consultants for the performance of some of the public participation and outreach tasks.

MPO staff completed the revision of the Public Participation Plan for the MPO, developed an ADA self evaluation and transition plan, and organized clean air activities with local schools. In addition to MPO public information and participation support activities conducted pertaining to MPO meetings, TIP development and on-going educational outreach, MPO staff coordinated a large community education and outreach event at the Biloxi Civic Center in the Spring of 2011. MPO staff developed a new website to better display, inform and provide documents to LPAs and the general public.

The MPO staff will assess the effectiveness of the plan's strategies in achieving planning goals, and make refinements as needed, including setting public outreach performance measures.

Deliverables A.2.1: Updated PPP, FY 2013 outreach report

The MPO will continue implementation of the public involvement and education measures and strategies defined in the Public Participation Plan. Perform required public comment process for TIP and LRTP updates and amendments.

Deliverables A.2.2: Public notices, newsletters & contact database

The GRPC website (www.grpc.com) will be routinely updated with MPO documents, project information, events calendar (including public meeting notices), topical reports, web links, and internet mapping and standard map products for the public to view or download. The website will also include a public accessible interactive mapping system for traffic counts. Purchases may include but not limited to web-based survey applications.

Deliverables A.2.3: Updated MPO interactive website

Update the Title VI program to meet new requirements. Update target areas based on 2010 Census data. MPO staff will set MPO Title VI performance measures.

Deliverables A.2.4: Update Title VI target areas, Title VI report

Staff will continue to inform, educate and involve stakeholders and diverse audiences and populations in the MPO planning process, and in discussion of the adopted goals, current planning and TIP projects for the Coast. In particular, the MPO will undertake planning coordination and participation with ongoing regional sustainability planning efforts. Planning staff expected to provide expertise and guidance to various organizations to advance concepts and principles of the livability principles; and to assess the current transportation planning process for opportunities to incorporate livability principles and sustainability goals as strategic measures for planning and implementation. MPO staff will promote the Gulf Coast Clean Air Campaign activities as well as other community outreach events designed to further MPO transportation planning objectives.

Deliverables A.2.5: Community Outreach Event(s)

(FHWA PL \$115,103; FHWA PL Local Match \$28,776; FTA PL Flex \$74,326).

To provide for the evaluation and the development of recommendations for improvement of the operational efficiency of the existing transportation network and infrastructure, including identification of alternative strategies for reducing congestion, improving safety, and enhancing the mobility of people and goods. This includes the development of operational improvements and transportation options that provide a transportation system that is consistent with community and regional goals of sustainability, safety, accessibility and mobility, environmental quality, economic viability and quality of life.

MPO staff developed the MPO's first Safety Management Plan, which included safety projects and programs that will be developed and implemented through the MPO planning process. MPO staff developed a safety management report that identified areas of particular concern, and began developing projects to address run-

off-the-road hazard concerns in the three counties. GRPC staff participated in many activities promoting and supporting bicycle and pedestrian improvements in the region.

Staff will continue to implement the MPO congestion management program, monitoring roadways to identify congested areas and implementing various mitigation measures. The collection and analysis of travel time and traffic volume data by MPO staff continue to be integral components of the program. Staff will continue developing in-house capabilities to evaluate the potential for implementation of various congestion mitigation strategies. The program will be updated to include performance measures.

Deliverables B.1.1: Updated CMP, Congestion Management Report

Staff will continue development of a program to expand and improve pedestrian and bicycle facilities through the MPO planning process. Work will include the development of proposed MPO Complete Streets policies and/or guidelines. MPO staff will work with local jurisdictions to encourage complete streets policy adoption and implementation, and to provide training for planning/design professionals whose work may be affected by such policies.

The MPO will continue to update its database of bicycle and pedestrian infrastructure and identify gaps in connectivity, particularly around schools and public facilities. Projects will be promoted, and possibly funded with STP funds, to improve connectivity and accessibility for pedestrians and cyclists. Emphasis will also be placed on the development of non-motorized modal options to support Performance measures will be developed to gauge the effectiveness of the program. Consultant services may be used for portions of this task.

Deliverables B.1.2: Bicycle and Pedestrian Program, Pedestrian and Bicycle Report, Complete Streets Guidelines

Areas of emphasis to be addressed in the safety management program will include: roadway departure accident reduction; bicycle and pedestrian safety; school zone safety; and driver education. MPO staff will develop and implement quantitative methods to aid in the identification and evaluation of roadway safety concerns. The data will also be used to determine needed improvements and prioritize projects to be developed in areas where warranted. Projects with low costs that can be implemented quickly to mitigate roadway departure and/or other safety concerns will be identified for development with MPO STP safety funds. Roadway safety audits will be performed to support the project identification and development process. Educational programs, as well as infrastructure improvement projects will be developed and implemented to further MPO objectives toward improving bicycle and

pedestrian safety, school zone safety and driver education safety. Performance measures will be developed to track the effectiveness of the programs and projects implemented to achieve the program goals. Consultant services will be used for portions of this task.

MPO staff will work with representatives of LPAs toward development and implementation of Retro-reflectivity Plans to help bring MPO member jurisdictions into compliance with federal requirements. For jurisdictions that so desire, the MPO will provide loaner retroreflectometers and train LPA staff to use them in developing their sign inventories and condition analyses, and develop and maintain a central multi-jurisdictional signage database. Staff will also work with LPAs to determine the most desirable or appropriate methodology for their individual programs. Funding assistance for plan development may be provided with MPO STP funds. Consultant services may be used to complete portions of this task.

Deliverables B.1.3: Updated Safety Management Program, Safety Management Report, Safety Audits, Educational Programs and Retro-reflectivity Plans

MPO staff will engage and support stakeholder and advocacy groups regarding safety issues to help identify, garner support for, and develop needed safety improvement projects. Consultant services may be contracted for to complete portions of this task.

Deliverables B.1.4: Stakeholder meeting reports

MPO staff will work with LPAs to develop projects as identified through the Congestion Management Program, Safety Management Program and Bicycle and Pedestrian Program. MPO staff will provide limited grant application assistance to projects derived from these programs. Consultant services will be used to assist in the development of transportation engineering conceptual designs, specifications, and estimates for roadway improvements, including bicycle and pedestrian facilities.

Deliverables B.1.5: Project development and implementation

(FHWA PL \$206,042; FHWA PL Local Match \$51,511; FTA PL Flex \$60,000; MPO STP \$200,000).

MPO staff will provide transit planning to achieve regional public transportation goals and objectives. The staff will work with Coast Transit Authority to support a coordinated transportation plan and engage them in the regional transportation planning process.

MPO staff and consultants completed the “Transportation Service Provider Inventory” and “Future Funding Strategies” studies. Evaluations were completed on some CTA routes to identify options for headway reductions. High use transit stop locations were identified and efforts were made to locate transit shelters at these locations. Maps were provided to CTA and shelter placement began in D’Iberville and Biloxi. The NTD report was finalized. MPO staff received Reconnecting America’s technical assistance to help identify areas for TOD development.

Analysis and evaluation of access and mobility of Mississippi Gulf Coast area transportation based on identified performance measures.

Deliverables B.2.1: Area transportation mobility and accessibility assessment

As financially feasible, the MPO will assist in a study to evaluate the impact of transportation demand measures on air quality. Consultant services will be utilized in this study.

Deliverables B.2.2: Transportation air-quality impact report

Evaluations of existing route structures and headways will be performed to determine needed transit route modifications.

Deliverables B.2.3: Transit routing recommendations report

GRPC will provide support to CTA in the analysis of proposed changes to existing routes and plans for new routes including Title VI impacts to the system as a result of additions, reductions or changes.

Deliverables B.2.4: Fixed route maps, route change analysis report

Selected transit stops identified from a previous study will be selected for the initiation of preliminary engineering and design of improvements to provide enhanced pedestrian access, bicycle access, improved safety and improved comfort for transit riders.

Deliverables B.2.5: Project development and implementation

This task consists of the development and implementation of projects to provide new and/or improved infrastructure for alternative modes of transportation that have been identified in previous planning, including the Transit Development Plan, 2035 LRTP, Congestion Management Program and I-10 corridor study. Project development will include, but not limited to, park and ride lots, transit lanes, transit signal priority, etc.

Deliverables B.2.6: Project development and implementation

The purpose of this work program is to advance the funding recommendations from the Phase I and create an action plan for implementation.

Deliverables B.2.7: CTA Future Funding Strategies Action Plan

MPO staff will continue to maintain an inventory of transportation service providers, working with stakeholders to identify needed revisions, additions, deletions and modifications regarding services provided.

(FTA PL Flex \$162,972; FHWA PL \$24,000; FHWA PL Local Match \$6,000).

The MPO will periodically (as needed) monitor and amend the LRTP, and identify potential modifications for improving the MPO planning process. The travel-demand model will be employed as needed to evaluate potential modifications to the regional roadway network.

MPO staff provided design year AADTs to LPAs for many transportation projects. The MPO administration was successful in coordinating the MPO engagement plan to leverage additional support for its goals and objectives. Working with Mississippi Department of Environmental Quality (MDEQ), GRPC engaged Neel-Schaffer, Inc. (NSI) to undertake an analysis of potential air quality impacts associated with the construction and operation of a proposed controlled-access road connecting the Mississippi State Port at Gulfport to Interstate 10 along an alignment selected by the Mississippi Department of Transportation (MDOT).

MPO staff will work closely with MDOT and the Gulf Regional Intelligent Transportation Society (GRITS) to advance ITS applications in the region.

Deliverables B.3.7: Incorporation of ITS into the MPO planning process

Staff will perform a periodic review and evaluation of the LRTP, and propose amendments as needed to keep it current and relevant.

Deliverables B.3.2: LRTP amendments

The MPO staff or consultant services will use the travel demand model to provide modeling support for transportation projects, including scenario modeling, visualization and training for MPO staff. Consultants may be employed for portions of this task.

Deliverables B.3.3: Transportation project evaluation report(s)

The MPO will continue its work with the Ozone Action Group, providing management support and coordinating meetings. Continued work with the Clean Air Campaign for education of air quality issues affecting the Gulf Coast.

Deliverables B.3.4: Ozone Action Group meetings, Clean Air Campaign events

Review of long term risk and vulnerabilities to coastal conditions affecting investments in transportation infrastructure over the horizon of the LRTP. Undertake an assessment of the current transportation planning process to incorporate best management practices for protecting the coast's infrastructure against forecast climatic conditions.

Deliverables B.3.5: Transportation Vulnerabilities Report, Assessment and BMP Tool Box.

(FHWA PL \$99,553; FHWA PL Local Match \$24,888; FTA PL Flex \$15,000).

To develop and maintain the data, systems and applications necessary to support the short and long range planning process; including spatial and non-spatial databases, planning applications and the computer network to service the agency. The MPO will expand the application of the demand model to address environmental, air quality, safety and security issues pertaining to the regional transportation system.

MPO staff completed work on community profiles for the new website. MPO staff updated various planning databases for use in various projects. MPO staff developed a white paper for local officials on roundabouts. MPO GIS and CAD operators provided mapping support to planners working on transit projects, regional zoning maps, and bicycle and pedestrian advocacy.

MPO staff will begin to update and provide extended projections to the regional TAZ databases

Deliverables C.1.1: MPO spatial database update

The MPO staff will continually develop GIS map and data products for the purpose of updating the long range transportation plan and in support of the transportation planning process, transportation improvement projects and public participation activities.

Deliverables C.1.2: GIS planning data files, regional street centerline map

The MPO staff will continue to work closely with the U.S. Bureau of Census and local jurisdictions in providing information, coordination and assistance in preparation for dissemination of the 2010 Census data and products including data for subject specific analysis and planning support. Consultants may be used to provide support to this task.

Deliverables C.1.3: Databases

A consultant will provide an annual update to the Gulf Coast Apartment Study.

Deliverables C.1.4: Regional Apartment Survey

MPO staff will research and provide papers on transportation topics to educate policy makers and enhance transportation planning on the Gulf Coast.

Deliverables C.1.5: White papers

MPO staff will establish a regional system for the Mississippi Gulf Coast Local Public Agencies to inventory, inspect, replace and/or repair (as needed) and maintain all regulatory, warning and guide signage which fail to meet the minimum retroreflectivity requirements as established by the Federal Highway Administration in a timely, cost efficient manner.

Deliverables C.1.6: Gulf Coast Retroreflectivity Program

(FHWA PL \$285,125; FHWA PL Local Match \$71,281; FTA PL Flex \$60,000).

To keep the MPO staff current on all technology related means of advancing the MPO planning process more effectively.

MPO staff maintained its servers, software and hardware needs.

MPO staff will identify, implement and maintain the information system network design and communications technologies critical to the MPO transportation planning activities. Needed hardware and software will be prioritized, purchased and implemented.

Deliverables C.2.1 Technologically effective MPO

MPO staff will continue to refine and update the MPO website

(FHWA PL \$151,819; FHWA PL Local Match \$37,915; FTA PL Flex \$9,135).

MPO staff will develop and maintain an annual traffic count program schedule and continually monitor program progress. Periodic assessment of progress and methodology will be performed and necessary programmatic modifications will be made. Additional equipment, including counters, hardware and software, as well as the supplies needed for count performance will be acquired. Staff will also collect and map data pertaining to the roadway infrastructure to support the planning process.

MPO staff reviewed and updated traffic count locations. We performed all required and special traffic counts for the year.

Perform traffic volume counts according to a monthly schedule

Deliverables D.1.1: Traffic counting program for Hancock, Harrison and Jackson Counties

MPO staff will develop AADTs and annual submittal to MDOT. We will also provide annual Traffic Count Report and web-based data access

Deliverables D.1.2: AADT report (hard copy and web-site versions), Interactive on-line traffic count application.

MPO staff will collect and compile roadway infrastructure data for the MPO GIS database. Data collected will include number of lanes, lane width, shoulder width, transit stops, sidewalks, bicycle facilities, lighting, signalization, and other data along the region's functionally classified roadways. This data will be made available to support the MPO and MDOT planning processes.

Deliverables D.1.3: Enhanced roadway infrastructure database and mapping products

MPO staff will maintain required supply inventory and provide traffic-counter repair and replacement.

Deliverables D.1.4: Traffic counting equipment

(MDOT SPR \$240,000; \$60,000 MDOT SPR Match)

MPO staff will undertake various studies and analyses toward improvement of the transportation infrastructure and implementation of projects and/or programs to improve traffic operations, safety or the provision of transportation accessibility throughout the region. These projects and/or studies, with the exception of E.2 projects/studies, are to be funded with STP funds allocated by the MPO to GRPC (GRPC Contingency Fund) and will require the provision of local matching funds by affected LPAs. Should funding for any of the E.1 tasks identified herein not be needed, those funds may be used by the MPO for other yet to be identified tasks upon approval of MDOT.

MPO staff and consultants completed the “Biloxi Circulation Study” and “D’Iberville Circulation Study”. The Courthouse Road study was initiated.

GRPC planners and consultants will collaborate in a series of study efforts to evaluate traffic operations and safety, and develop recommendations for improvements (including cost estimates) on up to thirty intersections identified by GRPC on functionally classified roadways within the MPO planning area.

Deliverables E.1.1: Study document

Estimated Funding Requirement for Task E.1.1: \$200,000 (FHWA/MDOT STP \$160,000; Local STP Match \$40,000)

GRPC planners and consultants will collaborate in the performance of a Klondyke Road Corridor Study in the City of Long Beach. This study effort will focus on the development of recommendations for improvements to both vehicular and non-vehicular access to and through

the Klondyke Road Corridor, include potential connections to Jeff Davis Avenue to the south, and northward extension to provide more direct access to I-10.

Deliverables E.1.2: Study document

Estimated Funding Requirement for Task E.1.2: \$100,000 (FHWA/MDOT STP \$80,000; Local STP Match \$20,000)

GRPC planners and consultants will collaborate in the performance of a study to identify and evaluate potential locations and alignments for a north-south connector between I-10 and US 90 in west Harrison County. The resulting proposed route will provide much needed improvements for north-south access, including an alternate truck route, and better hurricane evacuation for residents.

Deliverables E.1.3: Study document

Funding Requirement for Task E.1.3: \$100,000 (FHWA/MDOT STP \$80,000; Local STP Match \$20,000)

GRPC planners will work closely with local jurisdictions in the transportation planning process to identify and develop projects and/or studies in response to urgent or pressing needs. The intent of this task is to provide a pool of funding to work with local jurisdictions to address congestion and safety concerns with relatively low-cost, short-to-intermediate term improvements. Should funding allocated to other E.1 tasks not be needed, those funds may be made available for other yet to be identified tasks

Deliverables E.1.4: Study documents

Estimated Funding Requirement for Task E.1.4: \$495,000 (FHWA/MDOT STP \$396,000; Local STP Match \$99,000).

Deliverables E.1.7: Study document

Estimated Funding Requirement for Task E.1.7: \$55,000 (FHWA/MDOT STP \$44,000; Local STP Match \$11,000)

Deliverables E.1.8: Study document

Estimated Funding Requirement for Task E.1.8: \$50,000 (FHWA/MDOT STP \$40,000; Local STP Match \$10,000)

:

(FHWA/MDOT STP \$800,000; Local STP Match \$200,000)

Objective: This is an MDOT task to undertake various transportation improvement projects and/or studies as needed in the Mississippi Gulf Coast region. Funding is to be provided by MDOT.

Deliverables E.2.1: Study documents