



FLORIDA DEPARTMENT OF TRANSPORTATION

UPWP REVISION FORM

Version 2.0

MPO: Miami-Dade TPO

Revision #: 1

Reason:

Adjusting approved FHWA PL funds to: 1) Substitute funding for the work orders that were deobligated from Fiscal Year 2022 SU to continue services with available PL, 2) To initiate work needed now that was originally programmed with SU, and 3) Cover estimate increases.
 Work orders under Task III Technical program include: Increasing Activity 9 from \$100,000 to \$120,000 and converting from PL to 5305(d).
 Additionally, for deobligated projects: COVID Freight Task III, Item D, Activity 43 \$25,000 from SU to PL; SRTS Task III, Item B, Activity 20 \$100,000 from SU to PL. Converted PL to 5305(d) for Task III, Item B, Activity 43 for Equity Analysis at \$110,000.

Fiscal Year: 2023 Contract #: G2894 Fund: FHWA - PL Form: 1 of: 2

FUNDING CHANGES		Part of a De-Ob:	No	Revision Type:	Adjustment
Task #	Task Name	Original \$	Proposed \$	Difference	
III	Technical Program (Congestion Management Dashboard - Act. 9)	\$100,000.00	\$0.00	-\$100,000.00	
III	Technical Program (Equity Analysis - Act. 43)	\$110,000.00	\$0.00	-\$110,000.00	
TOTAL FUNDING CHANGE		\$ 210,000.00	\$ -	\$ (210,000.00)	
FHWA - PL Total Budget Amount for FY 2023				\$ -	

Modification Required Documentation (to be appended with UPWP Revision Signature Form)

- | | |
|---|--|
| ☐ Task Pages (including task budget tables)-Current & Proposed | ☐ Signed Cost Certification |
| ☐ Agency Participation Budget Table-Current & Proposed | ☐ UPWP Revision Form |
| ☐ Fund Summary Budget Table-Current & Proposed | |

Amendment Required Documentation (to be appended with UPWP Revision Signature Form)

- | | | |
|---|--|--|
| ☐ Task Pages (including task budget tables)-Current & Proposed | ☐ Signed Cost Certification | ☐ TIP Modification |
| ☐ Agency Participation Budget Table-Current & Proposed | ☐ MPO Meeting Agenda | ☐ Amended Agreement |
| ☐ Fund Summary Budget Table-Current & Proposed | ☐ UPWP Revision Form | |

*Note: The current budget includes the total amount contained in the latest approved UPWP budget.



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Fiscal Year: 2023 Contract #: G2894 Fund: 5305(d) Form: 2 of: 2

FUNDING CHANGES		Part of a De-Ob:	No	Revision Type:	Adjustment
Task #	Task Name	Original \$	Proposed \$	Difference	
III	Technical Program (Congestion Management Dashboard - Act. 9)	\$0.00	\$120,000.00	\$120,000.00	
III	Technical Program (Equity Analysis - Act. 43)	\$0.00	\$110,000.00	\$110,000.00	
TOTAL FUNDING CHANGE		\$ -	\$ 230,000.00	\$ 230,000.00	
5305(d) Total Budget Amount for FY 2023				\$ -	

Modification Required Documentation (to be appended with UPWP Revision Signature Form)

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|---|--|
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| ☐ Agency Participation Budget Table-Current & Proposed | ☐ UPWP Revision Form |
| ☐ Fund Summary Budget Table-Current & Proposed | |

Amendment Required Documentation (to be appended with UPWP Revision Signature Form)

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| ☐ Task Pages (including task budget tables)-Current & Proposed | ☐ Signed Cost Certification | ☐ TIP Modification |
| ☐ Agency Participation Budget Table-Current & Proposed | ☐ MPO Meeting Agenda | ☐ Amended Agreement |
| ☐ Fund Summary Budget Table-Current & Proposed | ☐ UPWP Revision Form | |

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Emerging Mobility

The SMART Plan, which was adopted by the TPO Governing Board in 2016, intends to advance six (6) rapid transit corridors, along with a network system of BERT service, in order to implement mass transit projects in Miami-Dade County. The implementation of the SMART Plan benefits from advances in communication and automation technology which results in new mobility options, ranging from automated and connected transport, electric vehicles, ridesharing, and micro-mobility, to future emerging technology. These changes may be disruptive and transformational, with impacts on safety, vehicle ownership, travel capacity, vehicle miles traveled, land-use, transportation design, future investment demands, supply chain logistics, economy, and the workforce. Implementation of all seven goals of the FTP can be furthered through both the transformation of major corridors and hubs and the expansion of transportation infrastructure to embrace and support the adoption of emerging mobility. The UPWP recognizes the important influence of emerging mobility on the multi-modal transportation system and includes related planning studies, collaboration efforts, research, or other activities.

Overview of Planning Studies

A complete list of completed planning studies can be found at: <http://www.miamidadetpo.org/studies-completed.asp>. The metropolitan transportation planning is an ongoing process, reflecting a continuous cycle of studies and plans that may begin in one UPWP cycle and conclude in a future cycle. **Table 7** summarizes the ongoing (carry forward) studies/activities that began under the FYs 2021 & 2022 UPWP to be completed in this current UPWP.

Table 7. Carry Forward Activities & Studies

Activities/Studies led by Miami-Dade TPO	UPWP Task	Completion	Source/De-obligated Amount
SMART Plan GIS Mapping	III, Item A, Activity 14	6/30/2023	PL FY 2021 / \$25,600
Northeast Corridor Visualization	III, Item A, Activity 14	6/30/2023	PL FY 2021 / \$14,400
SMART STEP Public Information Plan	III, Item A, Activity 14	6/30/2023	PL FY 2021 / \$12,000
STOPS - Metrorail and Metromover \$124,000 - Connected and Municipal Routes \$100,000 - NE and Coral Way Garage \$100,000 - Central Garage \$100,000	III, Item A, Activity 14	6/30/2023	SU FY 2021 / \$424,000

Activities/Studies led by Miami-Dade TPO	UPWP Task	Completion	Source/De-obligated Amount
Connected Autonomous Vehicles Pilot Study**	III, Item D, Activity 43	6/30/2023	SU FY 2021 / \$75,000
Golden Glades Bike/Ped Bridge Public Outreach	III, Item D, Activity 43	6/30/2023	SU FY 2021 / \$40,000
Climate Resiliency Study	III, Item D, Activity 43	6/30/2023	SU FY 2021 / \$80,000
Freight Impact Analysis**	III, Item D, Activity 43	6/30/2023	SU FY 2021 / \$25,000
US1 from SW 27th Ave to SW 72 Street Mobility Study**	III, Item D, Activity 43	6/30/2023	SU FY 2021 / \$55,000
North Corridor NW 215th Street Hub Study**	III, Item D, Activity 43	6/30/2023	SU FY 2021 / \$45,000
SMART STEP Post Implementation Analysis	III, Item A, Activity 14	6/30/2023	SU FY 2021 / \$100,000
SMART STEP Program	III, Item A, Activity 14	6/30/2023	SU FY 2021 / \$104,000
Activities led by Partner Agencies*	UPWP Task	Completion	Led By
SERPM 9 Development	IV	6/30/2023	Miami-Dade TPO

* For more information on activities led by partner agencies, please refer to the relevant UPWP task sheet.

**Studies continued into FY23 using PL 2023 funds from first LOA.

TASK III: TECHNICAL PROGRAMS

Responsible Agency: Miami-Dade TPO

Participating Agencies: Federal Transit Administration (FTA); Federal Highway Administration (FHWA); Association of Metropolitan Planning Organizations (AMPO); National Association of Regional Councils (NARC); American Planning Association (APA); Florida Metropolitan Planning Organization Advisory Council (MPOAC); Florida Department of Transportation (FDOT); Florida's Turnpike Enterprise (FTE); Florida Department of Environmental Protection (FDEP); South Florida Regional Transportation Authority (SFRTA); Miami-Dade County Department of Transportation and Public Works (DTPW); Miami-Dade County Department of Regulatory and Economic Resources (RER); Broward Metropolitan Planning Organization (MPO); Palm Beach Transportation Planning Agency (TPA); South Florida Regional Planning Council (SFRPC); Treasure Coast Regional Planning Council (TCRPC); and Local Municipalities

Purpose

This task is organized to include all aspects of the Miami-Dade TPO's technical program and highlights activities associated with new and recurring planning studies and projects. These studies and projects include the SMART Plan implementation, multimodal and intermodal planning studies, data collection to support the development of the planning studies, and general planning consultant/on-demand services. Activities under the Technical Program task reflect the TPO's commitment to 1) implementing the SMART Plan; 2) incorporating all transportation modes—such as transit, vehicles, walking, bicycling, micromobility, freight, on-demand services, and water modes—as appropriate; 3) maintaining the existing and future roadway/highway network at acceptable levels of service and plan for the future of the roadway network to ensure system connectivity between all modes of transportation; 4) ensuring a comprehensive, cooperative, and continuing metropolitan transportation planning process; 5) exploring future planning areas of emphasis; and, 6) incorporating best practices for transportation/land use impact analysis techniques and procedures into the metropolitan transportation planning process to the fullest extent feasible.

This section outlines activities that support federal, state, local, and regional planning responsibilities that the Miami-Dade TPO coordinates and participates in to support the metropolitan transportation planning process.

Previous Work

In FYs 2021 and 2022, the TPO completed the following.

- Telecommute Study
- Intersection Safety Analysis
- Safe Routes to School FY 2021 Infrastructure Plans

- Miami-Dade TPO Virtual Meetings and Virtual Events Support
- TRB Poster Board

A. SMART Plan & Programs

The Strategic Miami Area Rapid Transit (SMART) Plan activities support the implementation of the mass transit projects identified in the People's Transportation Plan (PTP). The SMART Plan corridors will support the economic development activities of the County, including major events.

Rapid Transit Corridors	Bus Express Rapid Transit (BERT) Regional Network
1) Beach Corridor	A) Flagler Corridor
2) East-West Corridor	B) South Miami-Dade Express
3) Kendall Corridor	C) Northwest Miami-Dade Express
4) North Corridor	D) Southwest Miami-Dade Express
5) Northeast Corridor	E) Florida's Turnpike Express (North and South)
6) South Dade Transitway	F) Beach Express (North, Central, and South)

The SMART Demonstration Program projects are developed in partnership with FDOT, FTE, DTPW, SFRTA, and numerous local municipalities with the goals of increasing accessibility to transit, offering new congestion relief options to residents countywide, and beginning implementation of the vision of the SMART Plan. The SMART Plan Demonstration Program projects support the advancement of SMART Plan elements including first/last mile demonstration solutions, design and construction of new SMART Plan express routes, new trolley service routes, on-demand service area routes, and transit service stations. The SMART Street Transportation Enhancement Program (STEP) also supports and facilitates interagency coordination and innovation with the goal of accelerated implementation of pedestrian and bicycle improvements projects that increase connectivity and enhance safety.

Activities	Scope	Deliverable(s)	Completion
1	Provide technical support on the SMART Plan activities/programs. Review documents and any other written/digital material, providing comments and technical support as needed. <i>Consultant Supported Effort:</i> • \$190,000 FY 2023 • \$190,000 FY 2024	Spreadsheet depicting the activity completed as applicable	June 2024

Task III: Technical Programs

Unified Planning Work Program FY 2023 and FY 2024

Activities	Scope	Deliverable(s)	Completion
2	Development of transit corridor plans and/or master plans with emphasis on multimodal first and last-mile connectivity, feeder networks and trails, transit hubs, parking demand, and transit infrastructure, amenity, and access improvements that support mobility, accessibility, and the creation of new urban centers. Identify potential locations for improvements and develop mobility strategies to be applied. Maximize station accessibility through the improvement of the infrastructure or services at and around the transit stations, and the potential for transit-oriented communities (TOC) around the station of residential and employment opportunities that best support transit users. <i>Consultant Supported Effort:</i> • \$100,000 FY 2023 • \$100,000 FY 2024	Technical memorandums / TOD/TOC design guidelines / conceptual plans and presentations / Transit Corridor Plans	June 2024
3	Compile and prepare status reports for all or any of the Rapid Transit Corridors and other corridors identified through long-range transportation planning. Develop progress report outlining activities carried out, tasks completed, and milestones reached every quarter, annually, and/or as needed.	Transit corridor progress / status reports	June 2024
4	Develop economic mobility and accessibility studies along potential new rapid transit corridors identified and/or system-wide. Including an inventory of existing conditions, accessibility gaps, a review of workforce economic mobility using corridor GIS coverages of employment centers, training centers, and demographic indicators of potential need.	Technical memorandums, recommendations / presentations	June 2024

Task III: Technical Programs

Unified Planning Work Program FY 2023 and FY 2024

Activities	Scope	Deliverable(s)	Completion
5	Evaluate roles and responsibilities for the implementation of rapid transit corridors and develop a Project Management Plan (PMP). Develop a plan outlining requirement and all functional areas of PMP to identify the roles and responsibilities for management, administration, staffing needs, planning, and scheduling activities for the implementation of the rapid transit corridors.	PMP for each SMART Plan corridor as needed	June 2024
6	Assess existing land use and develop future land use scenarios, including Transit-Oriented Community opportunities (TOC/TOD) along potential new rapid transit corridors. Analyze the results of previous land use studies to support the future rapid transit system and recommend land use policy regulation, law, and ordinances modifications for the rapid transit corridors that address the overall community vision, goals, and objectives. Develop land use scenarios to support the vision of the respective communities and ridership demand for the proposed rapid transit investment along the corridor. Analyze scenarios to be consistent with the FTA's Capital Investment Grant Program. Evaluate FTA's model results and refine land use scenarios to support the LPA. Develop an overarching vision along the corridor utilizing and refining the results of the scenario planning efforts. Recommend land use policy and regulations changes for the corridor addressing the community's overall vision, goal, and objective. <i>Consultant Supported Effort:</i> • \$200,000 FY 2023 • \$200,000 FY 2024	Technical Memorandums including Strategies Evaluation / Scenarios Development and Testing / Land Use Policy Regulations Recommendations / Visioning Plans	June 2024

Activities	Scope	Deliverable(s)	Completion
7	Assess economic, equity, and social impacts/benefits, public support, land uses, and policies—including commercial —and funding, to provide analysis of regional strengths, weaknesses, opportunities, and implementation strategies. Develop a systemwide economic model using appropriate and available tools and analysis of potential economic impacts/benefits. Perform quantitative analysis of transit expansion impact on economic activity and evaluate potential economic development growth. Coordinate with DTPW & RER.	Technical Memorandums / Reports / Comprehensive Economic Development Plan	June 2024
8	Develop performance measures/monitoring tools to track metrics as needed along rapid transit corridors.	Monitoring Tool	June 2024
9	Maintenance of the SMART Congestion Management Dashboard (CMD) to track real-time mobility travel data tool to accelerate and support the decision-making process of the SMART Plan. Updates/additions to the information/data metrics/performance measures on the tool, as needed. <i>Consultant Supported Effort:</i> \$100,000 FY 2023 \$120,000 FY 2023	Maintenance SMART CMD	June 2024
10	Use visualization tools to enhance/support the implementation of rapid transit corridors. Prepare an assortment of visualization tools to communicate to the public and elected officials the planning and conceptual design work elements. Create unique visions, themes, or environments of sustainable, transit-supportive urban design framework. <i>Consultant Supported Effort:</i> \$50,000 FY 2023	Web based tools / GIS / presentations, illustrations / digital newsletters and fact sheets / animations of pre/post conditions / renderings / videos / posters	June 2024

Task III: Technical Programs

Unified Planning Work Program FY 2023 and FY 2024

Activities	Scope	Deliverable(s)	Completion
	\$37,000 FY 2024	/other advanced techniques	
11	Prepare system-wide capital, construction, operation, and maintenance costs. Develop and update as needed capital, construction, operation, and maintenance cost for system-wide/corridor alternatives using the latest cost database/spreadsheets/tools from federal/state/county agencies, as appropriate.	Cost estimates, spreadsheets / tables	June 2024
12	Prioritize and manage funds and revenues to support the implementation, operation, and maintenance of the rapid transit corridors, to continue the growth of the transit network as a sustainable system. Provide financial and fiscal analysis to support the rapid transit corridors efforts. Coordinate and assist with interagency financial working groups to implement individual corridor implementation plans. Develop financial strategies and mechanisms for the implementation of the rapid transit corridors and provide a road map for the advancement of financially sustainable rapid transit corridors. Recommendations for financial strategies, financial analyses, financial implementation plan, presentations, and technical memorandums. <i>Consultant Supported Effort:</i> \$200,000 FY 2023 \$200,000 FY 2024	Financial/Capital Plan / Technical memorandums / presentations	June 2024
		Strategic Implementation Plan / Financial Models	

Activities	Scope	Deliverable(s)	Completion
13	Evaluate the interrelationship between each corridor in the SMART Plan, assessing short, medium, and long-term opportunities to enhance SMART Plan connections to a more fully integrated system. Perform analysis associated with the interrelationship of each corridor selected LPA mode and supporting land use. Evaluate short, medium, and long-term improvements to be advanced for the implementation of the SMART Plan.	Technical memorandums / presentations	June 2023
14	Develop and review corridor/system-wide ridership forecasts to evaluate the integration and connectivity among the SMART Corridors as requested by the FTA using the FTA Simplified Trips on Project Software (STOPS) models. Develop and calibrate a Miami-Dade STOPS model to support the SMART Plan Corridors ridership forecasts. Conduct on-board transit surveys to obtain transit Origin-Destination data to be used to develop an incremental Miami-Dade STOPS model calibrated for current year model, in order to support SMART Plan projects funding applications for FTA's New Starts program. Continue the completion of Phase 2 calibration of the current year Miami-Dade STOPS model to support the SMART Plan Corridors ridership forecasts as needed. Provide TPO with in house capabilities to be able to conduct analysis in-house for future SMART plan corridor planning efforts. <i>Consultant Supported Effort:</i> • \$1,589,104 FY 2023	Corridor/ Scenario Ridership Forecast / Completed calibrated Current Year STOPS Model	June 2024

Activities	Scope	Deliverable(s)	Completion
15	Conduct public engagement and outreach activities to support rapid transit corridors. Develop and manage Public Involvement efforts including Public Information Plan (PIP) for the rapid transit corridors. Secure a suitable location(s)/platform to conduct public virtual meetings/workshop/charrette. Prepare kick-off presentation and provide opportunities for input by stakeholders. Conduct planning and design meetings/workshop/charrette in an appropriate format to reveal design issues and generate ideas with facilitators working with participants. Create, refine, and illustrate conceptual plans within the study area.	Virtual / Public charrettes / workshops / reports	June 2024
		PIP	
		Written / digital outreach materials	
16	Develop, coordinate, implement pilot projects that advance elements of rapid transit corridor plans and strategic transportation initiatives and support public engagement efforts with partner agencies for rapid transit corridor Plan Demonstration projects and SMART Street Transportation Enhancements Program (STEP) as part of the first/last mile network and complete streets concepts in Miami-Dade County. Including but not limited to the development of drawings/renderings for implementation of the pilot projects, from conceptual design through permit documents, evaluation, and analysis of SMART STEP initiatives through robust monitoring and evaluation effort for each project, including the use of innovative techniques, refinement of project scopes and cost estimates, preparation of renderings and presentations to showcase innovative concepts, preparation of analysis and documents to support grant	Technical reports / coordination / presentations / public involvement / renderings / project application / delivery	Annually/June 2024

Activities	Scope	Deliverable(s)	Completion
	applications, and any initiatives identified by the TPO Task Forces. <i>Consultant/DTPW Supported Effort:</i> • \$197,718 FY 2023 • \$200,000 FY 2024		
17	Monitor pilot projects and prepare technical memorandums or reports in coordination with partner agencies for SMART Demonstration projects.	Technical reports / technical support	As requested by partner agencies and/or TPO Board

B. Multimodal/Intermodal Planning: Transit, Freight, Bicycle & Pedestrian, Micromobility

Multimodal and intermodal planning activities support the planning and integration of all transportation modes within the Miami-Dade TPO planning area, including (as appropriate):

- *Transit* – Supporting transit-related initiatives, and Transit-Oriented Development planning studies, from local transit providers, municipalities, and other agency partners.
- *Non-motorized: Bicycle & Pedestrian* – Removing barriers to provide access to public facilities in compliance with the Americans with Disabilities Act (ADA), improving access to practical destinations for people who are walking or riding a bike, creating first and last-mile connections to existing and future transportation networks. Continue coordination with the Bicycle Pedestrian Advisory Committee (BPAC) as a forum to discuss non-motorized needs.
- *Non-motorized: Micromobility* – Shared-use fleets of small, fully, or partially human-powered vehicles such as bikes, e-bikes, and e-scooters. These vehicles are generally rented through a mobile app or kiosk, are picked up and dropped off in the public right-of-way, and are meant for short point-to-point trips.
- *Freight* – Identifying freight and goods transportation needs including improving current and future access to intermodal terminals and major economic centers, identifying inland cargo sites, characterizing truck traffic flow issues and proposed solutions, identifying and developing truck parking sites, supporting ongoing global economic competitiveness initiatives in freight and commerce, and continuous coordination with the Freight Transportation Advisory Committee (FTAC) as a forum to discuss freight needs.

Activities Cont.	Scope	Deliverable(s)	Completion
19	The Transportation Alternatives (TA) Program is a set-aside of the Surface Transportation Block Grant (STBG) Program. Projects that are eligible for funding through TA include bicycle and pedestrian facilities, vegetation management, environmental mitigation, and the rehabilitation of historic transportation facilities. Coordinate with FDOT to solicit proposals to be recommended for inclusion in the List of Program Priorities (LOPP).	Transportation Alternatives Program LOPP	Annually
20	Work with the Miami-Dade County Public Schools Community Traffic Safety Team (CTST) to identify, prioritize, and develop and support applications for Safe Routes to School (SRTS) infrastructure improvements. For the public schools (Elementary, Middle, and High) selected by CTST, obtain and summarize available data necessary to identify critical SRTS improvements. A site assessment of the selected schools is done to verify existing data, obtain other relevant data and identify preliminary safe routes to be finalized in coordination with the Department of Transportation and Public Works (DTPW) and CTST. Through data collection, site assessments, and consultation with school resources, identify safe routes to the selected schools and any deficiencies to the safe routes. Preparation of a prioritized list of recommended improvements with cost estimates. Needs that are operational and not eligible for SRTS funding will be identified, summarized by the school and responsible agencies, and documented in the final report. SRTS Infrastructure Improvement funding application for each of the selected schools is submitted to FDOT by December of each year. <i>Consultant Supported Effort:</i> • \$100,000 FY 2023 • \$100,000 FY 2024	Prioritization / Funding Applications / Infrastructure Plans / Construction Support	Annually

Task III: Technical Programs

Unified Planning Work Program FY 2023 and FY 2024

Activities Cont.	Scope	Deliverable(s)	Completion
21	Continue plans review for Americans with Disabilities Act (ADA) required infrastructure improvements. <i>DTPW Supported Effort:</i> • \$33,000 FY 2023 • \$33,000 FY 2024	Cost estimates, Prioritized Work Orders / Construction Support /Final Inspections	Quarterly
22	Support transit initiatives by reviewing major and/or annual updates to Transit Development Plans (TDPs), special transit studies, and transit ridership forecasts.	Review and provide comments / attend workshops	As requested by partner agencies/ June 2024
23	Support obtaining national or other strategic designations for intermodal facilities such as ports, transit hubs, and major roadways.	Letters of support / Technical support	As requested by partner agencies
24	TPO's role is to provide coordination, input, and recommendations on the freight efforts through FTAC. Coordinate with FDOT District Coordinator on FDOT initiatives (Sub-Area Freight efforts, Infrastructure For Rebuilding America (INFRA) Grant applications, MPOAC Freight Priorities Program) to be reviewed by FTAC. As part of the 2045 LRTP, there are freight specific projects to be funded with the Freight set-aside. Two of the sub-area studies (Hialeah and Homestead) are currently in progress. Continue working with FDOT District 6 on sub-area freight planning efforts.	Technical support / coordination / supporting documents and recommendations / technical reports	June 2024
25	Respond to public requests from public agencies, consultants, and the public for existing and future mobility options for the movement of freight and people.	Technical reports, Responses to Public Information Requests	June 2024
26	Perform mobility studies to determine multimodal transportation needs including but not limited to bicycle, pedestrian, transit, micromobility, complete streets, first/last mile initiatives, trail master plans, and other mobility initiatives to support the metropolitan planning process.	Various mobility and transportation studies	As requested by TPO and/or partner agencies/June 2024

Activities Cont.	Scope	Deliverable(s)	Completion
27	Identify non-motorized transportation modes, including bicycle and pedestrian travel, and provide technical support for the BPAC including preparation of requested non-motorized transportation plans and studies to be consistent with the TIP and LRTP. Coordinating with FDOT and DTPW for monthly project updates to the BPAC. Discussion and review of various public and private non-motorized initiatives for the increase of safety for pedestrians and cyclists including Walk to School and Bike to Work Days. Annual participation in the review of the Transportation Alternatives (TA) program, Safe Routes to School, and Municipal Grant Program.	Supporting documents and recommendations, and technical reports	June 2024
28	This Safe Streets Summit (SSS) is a regional collaboration between the Miami-Dade Transportation Planning Organization, the Broward Metropolitan Planning Organization, and the Palm Beach Transportation Planning Agency, which educates public officials, technical staff, and other individuals on the importance of designing safe, equitable, and health-promoting transportation facilities for all modes of transportation and all users. Participate in the development and review of materials for the regional events in 2023 (Broward MPO) and 2024 (Palm Beach TPA).	Review of the materials for the SSS including conference press releases, venue contract, mobile workshop program, organization and management tools, and general management and organization	June 2024

C. Federal, State, and Regional Planning and Coordination

Federal and state planning and coordination activities are supported through the active participation of the Miami-Dade TPO at national and state coordination committees and organizations. The Miami-Dade TPO participates in the American Association of State Highway Transportation Officials (AASHTO), Association of Metropolitan Planning Organizations (AMPO), and National Association of Regional Councils (NARC), which serve as the national voice for regions by advocating for regional cooperation as the most effective way to address a variety of community planning and development opportunities and issues.

Federal, state, and regional planning and coordination activities support the evaluation of the regional network to ensure that it addresses key regional travel

movements in a multimodal manner and is consistent with updates to the FDOT Strategic Intermodal System (SIS). The FTP is the single overarching statewide plan guiding Florida's transportation future and is developed by—and provides direction to—all organizations that are involved in planning and managing Florida's transportation system. As part of a statewide initiative to improve growth management planning, the Transportation Regional Incentive Program (TRIP) provides state funds for local governments and the private sector throughout the State of Florida to improve regionally significant public transportation facilities.

The Miami-Dade TPO participates in the Florida Metropolitan Planning Organization Advisory Council (MPOAC) and its standing committees, including the Staff Directors' Advisory Committee. MPOAC is a statewide transportation planning and policy organization created by the Florida Legislature to augment the role of individual MPOs in the cooperative metropolitan transportation planning process. The MPOAC assists MPOs in carrying out the urbanized area transportation process by serving as a principal forum for collective policy discussion. The Miami-Dade TPO also provides professional planning support and coordination to the MPOAC various committees.

The Southeast Florida Transportation Council (SEFTC) is the formal partnership between the three (3) Metropolitan Planning Organizations within the Miami UZA through an Interlocal Agreement. SEFTC's primary purpose is to enhance coordination and communication between the Miami-Dade TPO, Broward MPO, and Palm Beach TPA for all regional planning efforts regarding transportation-related initiatives.

The Miami-Dade TPO participates in ongoing coordination with SEFTC through its technical advisory committee and subcommittees:

- Regional Transportation Technical Advisory Committee (RTTAC)
 - RTTAC Public Participation Subcommittee (PPS)
 - RTTAC Transportation System, Management, and Operations (TSM&O) Subcommittee
 - RTTAC Modeling Subcommittee (MS)

Regional planning activities are performed to support the adopted 2045 Regional Transportation Plan (RTP), which identifies the most significant transportation investments needed to meet growing travel demands throughout the Miami-Dade, Broward, and Palm Beach counties, and Miami-Dade TPO's adopted 2045 Long Range Transportation Plan (LRTP). To ensure a consistent planning effort with continuity across county boundary lines, regional planning activities also support a regional performance measures evaluation and are conducted through coordination with regional partners and organizations.

The Florida Model Task Force (MTF) establishes policy directions and procedural guidelines for transportation modeling in Florida using the Florida Standard Model, FSUTMS. Voting members of the MTF consist of representatives from twenty-seven MPOs and TPOs, FDOT districts, Florida's Turnpike Enterprise, and one representative

for each of the following: Florida transit agencies, six FSUTMS users groups, and the Federal Highway Administration.

The Miami-Dade TPO participates in ongoing coordination with MTF through its role as a voting member and the Transit Committee Chair which leads the Florida Model Task Force in improving transit modeling within Florida, and in addressing Federal and State planning requirements as they relate to transit planning.

Activities	Scope	Deliverable(s)	Completion
29	Provide administrative and technical support for activities associated with MTF and lead in improving transit modeling within Florida, and in addressing Federal and State planning requirements as they relate to transit planning.	Meetings, supporting materials	Quarterly
30	Coordinate, participate, and work cooperatively on regional transportation plans and issues with the SFRTA.	Meetings, supporting materials	Quarterly through PTAC
31	Coordinate with other TIP documents from MPOs within the Miami UZA to recognize projects on the regional network.	Coordination for the Regional Transportation Plan	Annually through SEFTC
32	Coordinate, review, and recommend TRIP priorities for adoption by the SEFTC and transmittal to FDOT.	Updated TRIP Priority List	Annually through SEFTC
33	Participate and coordinate with transportation partners through statewide and national committees and organizations.	Meetings, presentations, and supporting materials	June 2024
34	SFRPC to provide technical support and/or perform various technical analyses and/or studies to support regional planning efforts. <i>SFRPC Supported Effort:</i> • \$50,000 FY 2023	Studies, technical reports, presentations, technical memorandums	June 2024
35	Provide administrative and technical support for activities associated with SEFTC, its technical advisory committee, and subcommittees.	Meetings, supporting materials	Quarterly

D. Transportation Planning Support

The transportation planning activities support both the technical program support/data collection and the General Planning Consultant (GPC) efforts. This

includes the coordination of long and short-range land use and demographic data collection within the metropolitan transportation planning process, as well as monitoring levels of vehicle, pedestrian, and bicyclist traffic activity. The socioeconomic database is compiled and maintained using local land use files, property information, employment information, and U.S. Census materials such as American Community Survey (ACS), Longitudinal Employer-Household Dynamics (LEHD), and LEHD Origin-Destination Employment Statistics (LODES). The TPO has a rotation of nine (9) consulting firms which comprise the General Planning Consultant (GPC) pool to assist staff in conducting transportation planning-related activities. These consultants are selected for a three (3) year contract term, with two (1) year renewal option reaching a maximum five (5) year term through a competitive selection process adhering to the Internal Services Department of Miami-Dade County's procurement process and Consultant's Competitive Negotiation Act (CCNA). Tasks are assigned on an as-needed basis, based on experience and expertise. Scopes of Work (SOW) are developed to support the activities included in the adopted UPWP. Activities included in the UPWP may be assigned by TPO to staff and/or GPC/On-Demand Services. Activities not included in the UPWP, require the approval of the Miami-Dade TPO Governing Board.

Activities Cont.	Scope	Deliverable(s)	Completion
36	Develop transit corridor economic mobility growth scenarios and master plans with emphasis on multimodal first/last mile connectivity, transit hubs, parking demand, etc.	Transit Corridor Master Plans	As requested by partner agencies and/or TPO /June 2024
37	Assessment of Transit Oriented Development (TOD) analysis and Land Use scenarios for existing and future conditions to support the future rapid transit system.	Transit supportive land use studies	As requested by partner agencies and/or TPO / June 2024

Activities Cont.	Scope	Deliverable(s)	Completion
38	Maintain a current and accurate socioeconomic database and evaluate proposed changes to the new base and forecasted year databases. Review local land use files, property information, employment information, and U.S. Census databases and update databases as needed.	Socioeconomic dataset	As requested by TPO or partner agencies
39	Review Traffic Analysis Zones (TAZ)/Micro Analysis Zones (MAZ) with the new forecasted year database, and update boundaries based on major land use changes that impact travel patterns at the TAZ level. Review TAZ boundaries in support of travel demand model and/or census update as needed.	Updated MAZ/TAZ Boundaries	As requested by RER
40	Collect vehicle count data through traffic monitoring stations— non-motorized (bicycle and pedestrian) and micromobility count data, as needed— throughout Miami-Dade County. Coordinate with municipal and highway agencies non-motorized traffic count efforts. Collect traffic counts at 400 stations sites for the calendar years <u>partial 2022</u> , 2023 and <u>partial</u> 2024. Convert raw data to Average Weekday Daily Traffic. Prepare and maintain a database containing historical traffic counts stations. Coordinate with RER and DTPW stations to be counted each year. <i>DTPW Supported Effort:</i> • \$60,000 FY 2023 • \$60,000 FY 2024	AWDT for the stations counted 3 Traffic Count trends and historical database	Annually, by calendar year (CY)
		Bicycle/Pedestrian data and reports	As requested by partner agencies and/or TPO, by CY
41	Data collection for traffic and transit information such as traffic counts, crashes, on-board surveys, passenger counts, vehicle delays, on-demand services, as needed	Raw Data Files	June 2024

Task III: Technical Programs

Unified Planning Work Program FY 2023 and FY 2024

Activities Cont.	Scope	Deliverable(s)	Completion
42	Support ongoing transportation planning initiatives by supporting the development of alternative land use scenarios, providing technical reports and data, and reviewing transportation-related projects/activities for consistency with metropolitan plans and policies. <i>RER Supported Effort:</i> • \$40,000 FY 2023 • \$40,000 FY 2024	Alternative Land Use scenarios / technical reports / data	As requested by partner agencies and/or the public
43	Identify professional planning services, as needed, in support of the metropolitan planning process – including but not limited to area-wide transportation planning studies, multimodal studies, transportation feasibility studies, technology innovation, road safety audits, complete streets, fiscal services, mobility and livability strategies, evaluation of criteria and monitoring, mobility hubs study, first/last-mile connections, micromobility safety studies, materials for virtual/public meetings, charrettes, workshops, recorded transcripts of meetings, oral briefings, preparation of photographic or rendered graphics, printing of documents, videos, graphic displays, posters, training and development, technical reports, developing manuals, public-private partnership efforts, reversible lanes studies, mobility solutions, Transit Oriented Communities (TOC) evaluations, bicycle/pedestrian, compliance, connected and autonomous technologies, freight, master plans, and summit or major outreach/event efforts. <i>Consultant Supported Effort:</i> • \$2,275,392 FY 2023 • \$1,014,907 FY 2024	TPO Board requests as a deliverable / Scopes of Work (SOW)	June 2024

Activities Cont.	Scope	Deliverable(s)	Completion
44	Preparation and maintenance of visualization tools such as Geographic Information Systems (GIS) maps, graphics, presentations, and reports. Certain maps will need to be updated at a set periodic time of annually or as determined in the scope of services. <i>Consultant Supported Effort:</i> • \$70,000 FY 2023 • \$70,000 FY 2024	GIS maps, graphics, presentations, reports, etc.	June 2024
45	Conduct safety studies at high crash locations included in the LOPP or as needed to determine the need and opportunity for safety and operational improvements and meet FDOT eligibility requirements under the Safety Program.	Data collection, crash analysis, operational analysis, cost estimate, project benefits, recommendations	June 2024
46	Any other miscellaneous activity deemed important and necessary to support the metropolitan transportation planning process and the activities identified in the Unified Planning Work Program.	Miscellaneous/as determined by SOW	June 2024

E. Roadway/Highway Network

The Miami-Dade TPO plays a role in ensuring the existing and future highway network is maintained and operating at acceptable levels of service, as well as ensuring that transit and highway impacts for future/planned developments are fully considered and coordinated with system-wide initiatives. Miami-Dade TPO activities also support the integration and connectivity of the transportation system across and between modes for people and freight.

Activities Cont.	Scope	Deliverable(s)	Completion
47	Support Miami-Dade County by assessing and/or verifying highway and transit impacts and providing comments throughout various stages of the planning development process as well as ensuring consistency of TPO plans with the Comprehensive Development Master Plan (CDMP).	Zoning/Development Application Comments	Annually/As requested by RER
48	Perform/update analyses of existing transportation data to determine transportation needs and impacts including but not limited to travel demand and air quality modeling, corridor planning, intersection impact, and future travel projections.	Various mobility and transportation analyses	As requested by TPO and/or partner agencies/June 2024
49	Perform/update analyses to support highway system connectivity across and between modes for people and freight in Miami-Dade County. Multimodal Level of service (MMLOS) conditions include State and County facilities, and intersection improvements.	Technical reports, presentations, technical memorandums	June 30, 2024

F. Future Areas of Emphasis

These planning activities address future planning emphasis areas set by state, federal, and local agencies. Planning emphasis areas set by the state also support the implementation of the Miami-Dade TPO's LRTP by embracing innovation, requiring extensive collaboration across jurisdictions, modes, and disciplines, emphasizing customer service, data, and performance feedback, and strategic investments for the efficient and effective allocation of resources.

Task III: Technical Programs

Unified Planning Work Program FY 2023 and FY 2024

Activities Cont.	Scope	Deliverable(s)	Completion
50	Assist in implementing agencies that wish to deploy emerging technologies including Automated, Connected, Electric, and Shared-Use Vehicles (ACES) through coordination with transportation partners. Provide support through reviews and recommendations of technical studies and/or strategic plans that evaluate the implementation of emerging technologies and the impact they have on equity and sustainability. Coordinate with agencies to develop and plan increased automation, optimization, and connectivity through the Internet of Things (IoT) for people and goods.	Technical support / coordination / technical reports, multimodal studies / strategic plans / feasibility studies for the deployment of ACES Technologies	As requested by TPO and/or partner agencies/June 2024
51	Provide technical studies that evaluate ACES Vehicles' implementation through the implementation of the SMART Demonstration Program. This will include assessing the institutional, infrastructure, communications, and operations maintenance requirements to implement emerging technologies in Miami-Dade County. Provide a background of the literature and an evaluation of the current status of the TPO's SMART Demonstration Program. Assess transit gap areas and the implementation of proposed strategies assessing Shared Mobility Options, Automated and Connected Technologies. The effort will include coordination through input, review, and comment of a Study Advisory Group, and presentations to Technical and Citizen Advisory committees of the TPO.	Technical reports / presentations to TPO Governing Board and committees / final report. LOPP for implementation	June 2024
52	Participate and provide technical support for studies that identify sustainability strategies including Resilient 305, Miami-Dade Greenprint, and other local and/or regional efforts. Studies can include environmental, technology, economic, and/or social impacts in Miami-Dade County.	Technical reports / coordination / and presentations / public involvement / project application / and delivery	As requested by TPO Task Forces and/or partner agencies/June 2024

Activities Cont.	Scope	Deliverable(s)	Completion
53	Provide technical support for planning activities to address future planning emphasis areas set by state, federal, and local agencies. Review areas of emphasis and current developments in technology and communications related to transportation as needed and implement/integrate emphasis areas in planning processes.	Technical reports, coordination / presentations / public involvement / project application / and delivery	As requested by TPO and/or partner agencies/June 2024

G. Municipal Grant Program

The Municipal Grant Program (MGP) is used by the TPO to prioritize and program planning studies in Miami-Dade County. The following list is a representation of proposed studies that may be considered for the MGP. The goal of this program is to support the delivery of projects including first/last mile connections, connected and autonomous vehicles, and other priority projects that enhance mobility, safety, accessibility, and integration of the entire transportation network. The MGP promotes the implementation of methods and solutions that lead to transit accessibility and congestion relief, as well as encourages Miami-Dade municipalities to participate in a competitive program for transportation planning studies and plans that assist with mobility, safety, and accessibility.

Provide technical or coordination assistance for selected MGP studies, plans, and/or ideas, to municipal partners, as applicable, including the following studies:

Activities Cont.	Scope	Deliverable(s)	Completion
54	Doral Transportation Master Plan Update Update the City of Doral Transportation Master Plan (TMP) and develop a project bank to be included in the city's 5-year Capital Improvement Plan. Tasks for the TMP include reviewing the city's Comprehensive Plan.	Technical Reports / Coordination / Presentations	June 2024
55	City of Hialeah First-Last Mile Multimodal Access Study Identify the necessary multimodal improvements to support travel to/from rapid transit. This will be achieved by providing a program of projects for short-and long-term implementation to improve connectivity, collaboration, implementation, safety, and efficiency.	Technical Reports / Coordination / Presentations	June 2024
56	City of Miami Trolley Fleet Vehicle Efficiency Plan Develop a plan to reduce vehicle downtime, improve efficiency, enhance connections to SMART corridors, and improve the overall quality of life for residents and visitors.	Technical Reports / Coordination / Presentations	June 2024
57	Miami Springs Parking Analysis Increase safety and accessibility of transportation facilities by ensuring that parking does not disrupt the flow of the transportation network from a multimodal standpoint. This includes studying inventory and occupancy of on and off-street public parking facilities, as well as determining future developments, to understand current and future parking demand. This will be a city-wide study primarily focused on the central business district and will also identify opportunities to enhance multi-modal transportation.	Technical Reports / Coordination / Presentations	June 2024
58	Miami Shores Village Transportation Smart Plan Increase ridership and enhance the user experience, coordinate with key stakeholders and regional transit, identify opportunities to enhance connections to public transportation and support multi-modal transportation, and develop a prioritized list of projects. The study will analyze the commercial corridor and economic generator along NE 2 nd Avenue/West Dixie Highway. Additional major transit corridors included are North Miami Avenue, NE 8 th Avenue, Biscayne Boulevard/US-1, and NW 103 Street.	Technical Reports / Coordination / Presentations	June 2024

Activities Cont.	Scope	Deliverable(s)	Completion
59	Palmetto Bay ADA & Sidewalk Safety Improvements – Phase 1 Upgrade intersections to meet new ADA safety and pedestrian standards and identify sidewalk gaps.	Technical Reports / Coordination / Presentations	June 2024
60	El Portal, NE 2nd Avenue Mobility Study Improve pedestrian accessibility, including mobility and parking opportunities for the commercial corridor along NE 2 nd Avenue between NE 86 th Street and NE 90 th Street. May include road diet to implement bicycle facilities pending community input.	Technical Reports / Coordination / Presentations	June 2024
61	Crandon Boulevard Safety and Mobility Study Conduct a transportation analysis to identify necessary mitigation to improve vehicular traffic flow while increasing pedestrian and bicycle safety, economic activity, and tourism. The study corridor will include Crandon Boulevard between Crandon Park and Bill Baggs State Park.	Technical Reports / Coordination / Presentations	June 2024
62	SW 82nd Avenue, Complete Streets Planning Project Secure input from residents and business owners on improvements for non-motorized activity on SW 82 nd Avenue between SW 120 th Street and SW 136 th Street.	Technical Reports / Coordination / Presentations	June 2024

MGP Total Award Amount \$500,000 FY 2023

Carry Forward Activities

Carry forward activities from the previous UPWP cycle for technical program activities include:

- SMART Plan GIS Mapping
- Northeast Corridor Visualization
- SMART STEP Public Information Plan
- STOPS
 - Metrorail and Metromover
 - Connected and Municipal Routes
 - NE and Coral Way Garage
 - Central Garage
- Connected Autonomous Vehicles Pilot Study
- Golden Glades Bike/Ped Bridge Public Outreach
- Climate Resiliency Study
- Freight Impact Analysis
- US1 from SW 27th Ave to SW 72nd Street Mobility Study
- North Corridor NW 215th Street Hub Study
- SMART STEP Post Implementation Analysis
- SMART STEP Program

Table 10. Budget Summary – Task III: Technical Programs

Year 1: FY 2023								
Budget Category	FHWA			FFY 21 FTA 5305(d)		Local		FY 2023 Total
	PL ¹	SU	Other/Deob	Federal	Local	Local/ Miami-Dade County	Other/Deob	
Personnel (salary and benefits)								
Salary	\$128,000	\$40,000		\$450,000	\$50,000	\$32,000		\$700,000
Fringe	\$48,000	\$20,000		\$135,000	\$15,000	\$12,000		\$230,000
County Service Fee	\$12,800	\$4,000		\$45,000	\$5,000	\$3,200		\$70,000
Consultants								
A. SMART Plan & Programs	\$1,357,485		\$680,000	\$108,000	\$12,000	\$339,364	\$250,000	\$2,626,822 \$2,746,822
B. Multimodal/Intermodal Planning		\$100,000						\$100,000
D. Transportation Planning Support	\$1,295,324	\$240,334	\$320,000	\$265,438 \$157,438	\$29,953 \$17,953	\$194,253		\$2,345,392 \$2,225,392
G. Municipal Grant Program	\$160,000	\$300,000				\$40,000		\$500,000
Other Departments								
B. Multimodal/Intermodal Planning (DTPW)		\$33,000						\$33,000
C. Federal, State, and Regional Planning and Coordination (SFRPC)		\$50,000						\$50,000
D. Transportation Planning Support (DTPW)		\$60,000						\$60,000
D. Transportation Planning Support (RER)		\$40,000						\$40,000

FY 2023 Total	\$3,001,582	\$887,334	\$1,000,000	\$895,438	\$99,953	620,817	\$250,000	\$6,755,214
Year 2: FY 2024								
Budget Category	FHWA					Local		FY 2024 Total
	PL ¹	SU				Local/ Miami-Dade County		
Personnel (salary and benefits)								
Salary	\$400,000	\$200,000				\$100,000		\$700,000
Fringe	\$128,000	\$70,000				\$32,000		\$230,000
County Service Fee	\$40,000	\$20,000				\$10,000		\$70,000
Consultants								
A. SMART Plan & Programs	\$548,000	\$241,000				\$137,000		\$927,000
B. Multimodal/Intermodal Planning	\$80,000					\$20,000		\$100,000
D. Transportation Planning Support	\$739,588	\$290,000				\$55,319		\$1,084,907
Other Departments								
B. Multimodal/Intermodal Planning (DTPW)		\$33,000						\$33,000
D. Transportation Planning Support (DTPW)		\$60,000						\$60,000
D. Transportation Planning Support (RER)		\$40,000						\$40,000
FY 2024 Total	\$1,936,388	\$954,000				\$354,519		\$3,244,907

¹ FDOT uses toll credits as the "soft match" against FHWA PL Funds and SU Funds