

TPO RESOLUTION #35-2021**RESOLUTION APPROVING THE SCOPE OF SERVICES AND BUDGET TO CONDUCT A FEASIBILITY STUDY FOR THE IMPLEMENTATION OF MICROMOBILITY DEVICES ALONG THE SMART PLAN CORRIDORS**

WHEREAS, the Interlocal Agreement creating and establishing the Metropolitan Planning Organization (MPO) for the Miami Urbanized Area requires that the Miami-Dade Transportation Planning Organization (TPO), in its role as the MPO, provide a structure to evaluate the adequacy of the transportation planning and programming process; and

WHEREAS, in 2016, the TPO Governing Board adopted Resolution #06-16, establishing transit as the “highest priority” in Miami-Dade County. Subsequently, the Governing Board unanimously adopted Resolution #26-16 approving the Strategic Miami Area Rapid Transit (“SMART”) Plan in order to implement mass transit projects throughout the County; and

WHEREAS, the SMART Plan includes six (6) rapid transit corridors along with a network of Bus Express Rapid Transit (BERT) services; and

WHEREAS, micromobility refers to a range of small, lightweight vehicles/devices operating at speeds typically below 25 miles per hour and driven by individual users; and

WHEREAS, micromobility devices include bicycles, e-bikes, electric scooters, electric skateboards, shared bicycles, electric pedal assisted bicycles, and golf carts; and

WHEREAS, micromobility devices can be privately owned or available through a shared fleet; and

WHEREAS, the implementation of micromobility devices along the SMART Plan corridors at feasible locations could expand mobility options for users of such devices,

WHEREAS, on June 17, 2021, the TPO Governing Board approved Resolution #24-2021 directing the TPO Executive Director or designee to prepare a scope of services and budget to conduct a feasibility study for the implementation of micromobility devices along the SMART Plan Corridors,

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE TRANSPORTATION PLANNING ORGANIZATION IN ITS ROLE AS THE MPO FOR THE MIAMI URBANIZED AREA, that the attached scope of services and budget to conduct a feasibility study for the implementation of micromobility devices along the SMART Plan Corridors, is hereby approved.

The adoption of the foregoing resolution was Sponsored by Board Member Raquel A. Regalado and moved by Board Member Eileen Higgins. The motion was seconded by Board Member Rodney Harris, and upon being put to a vote, the vote was as follows:

Chairman Oliver G. Gilbert III -Aye
Vice Chairman Juan Carlos Bermudez -Aye

Board Member Philippe Bien-Aime	-Absent	Board Member Steven D. Losner	-Aye
Board Member Danielle Cohen Higgins	-Aye	Board Member Roberto Martell	-Aye
Board Member Oscar De La Rosa	-Absent	Board Member Joe A. Martinez	-Absent
Board Member Jose "Pepe" Diaz	-Aye	Board Member Kionne L. McGhee	-Aye
Board Member Rene Garcia	-Absent	Board Member Jean Monestime	-Aye
Board Member Perla T. Hantman	-Absent	Board Member Raquel A. Regalado	-Aye
Board Member Keon Hardemon	-Aye	Board Member Rebeca Sosa	-Absent
Board Member Rodney Harris	-Aye	Board Member Javier D. Souto	-Aye
Board Member Sally A. Heyman	-Aye	Board Member Micky Steinberg	-Aye
Board Member Eileen Higgins	-Aye	Board Member Francis Suarez	-Absent
Board Member Vince Lago	-Absent		

The Chairperson thereupon declared the resolution duly passed and approved this 22nd day of July 2020.

TRANSPORTATION PLANNING ORGANIZATION

By *Zainab Salim*
Zainab Salim, Clerk
Miami-Dade TPO



I. OBJECTIVE

To conduct a feasibility study on how to integrate micromobility devices into public transit along the Strategic Miami Area Rapid Transit (SMART) Corridors.

II. BACKGROUND

On April 21, 2016, the Miami-Dade Transportation Planning Organization (TPO) Governing Board officially adopted and endorsed the proposed Strategic Miami Area Rapid Transit (SMART) Plan. The SMART Plan intends to advance six of the Peoples Transportation Plan (PTP's) rapid transit corridors, along with a network system of Bus Express Rapid Transit (BERT) service, to implement mass transit projects in Miami-Dade County. The TPO has advanced efforts related to the first/last mile, demonstration program, SMART Trails and economic mobility and accessibility along SMART Plan corridors.

Micromobility is another tool which can complement the SMART Plan. Micromobility refers to a range of vehicles like scooters, bicycles, skateboards, and golf carts, operating at speeds typically below 15 mph. Despite its relatively short existence, shared and user-owned micromobility services have made a significant impact on the urban commuting landscape. The TPO Governing Board, through resolution 24-2021 adopted on June 17, 2021, has instructed the TPO to study and make recommendations to integrate micromobility and public transport along the SMART Corridors.

III. METHODOLOGY

The Consultant shall perform tasks related to providing an inventory of existing background to micromobility efforts, including but not limited to, safety measures, laws, regulations, ordinances, accessibility, inventory, infrastructure, and latest technologies in making recommendations on how to best integrate and incentivize micromobility into public transit along the SMART corridors.

Task 1 – Literature Research and Data Collection

- 1.1. Conduct research which includes existing and planned federal, state, county and municipal laws, ordinances and regulations that support the development of integration of micromobility into public transit.
- 1.2. Conduct a survey to ascertain a listing of all micromobility companies in Miami-Dade County and arrangements with municipalities and services and/or enabling uses provided or existing ordinances/policies.
- 1.3. Search for micromobility projects that have been developed and could be considered best practices, and performance measures, at a nationwide level, for the selected corridors. The

objective of this sub-task is to identify concepts, strategies, and state-of-the-art technologies that could be integrated along the SMART corridors.

- 1.4. Collect travel pattern and safety data from Strava and other applications and transportation network companies related to current trends in micromobility in Miami-Dade County. Data collected should delineate information on underage users and safety issues to include crashes and conflict points.
- 1.5. Perform a full review of relevant micromobility programs, including implementation and refinements, already in place with emphasis in Miami-Dade County Government.
- 1.6. Review available right-of-way surrounding bus stops and transit facilities and hubs, sidewalks, bicycle lanes, shared use paths, parking/storage, passenger loading zones, electric charging stations, predetermined micromobility drop-off points, other popular drop-off points, and parking issues to ensure space availability and clear path for end users.
- 1.7. Prepare a detailed summary of the literature and survey findings.

Deliverable

The Consultant shall submit a Technical Memorandum #1 “Literature Research” including a summary of the findings.

Task 2 – Micromobility Analysis

The Consultant will provide an analysis of existing conditions in Miami-Dade County which will summarize the results of the data collected from the previous task. The analysis will include elements and best practices derived from the research. The analysis will focus on how to incorporate the literature and survey findings to formulate the groundwork to recommend a model to integrate micromobility into public transit in Miami-Dade County.

- 2.1. Include interpretation of the results of the processed survey data.
- 2.2. Prepare a comprehensive matrix to include a list of the pros and cons of identified similar projects and strategies.
- 2.3. Provide a detailed analysis to integrate micromobility based on the data gathered and the information developed under previous tasks. The analysis will be broken down into three main categories: policy and regulations, companies and arrangements, existing conditions, and inventory.

Deliverable

The Consultant shall provide a matrix of all gathered and evaluated data and map of all existing micromobility programs currently operating and/or servicing Metrorail stations and bus routes in Miami-Dade County in the analysis section of the Final Report.

Task 3 – Development of Recommendations and Roadmap to Implement Micromobility Model

From the results of the previous tasks and appropriate analyzes, the Consultant shall perform the following:

- 3.1. Identify elements for micromobility solutions to include, but not limited to, recommendations of connecting identified sidewalk gaps, removing potential obstacles to clear path, sidewalk widening needed and/or providing pedestrian separation.
- 3.2. Describe or identify who should manage a Micromobility contract/project. The recommendations made should be clearly defined to provide guidance to a county, city, university or any public entity with easy-to-follow straightforward implementation.
- 3.3. Describe if the proposed implementations or improvements will have legal impacts to existing laws, ordinances, and regulations.
- 3.4. Describe if the proposed implementations or improvements will have any potential negative impacts to existing pedestrian and/or other mobility options and best practices to avoid conflicts.
- 3.5. Evaluate all proposed micromobility solutions for their overall and peak period effectiveness.
- 3.6. Prepare a blueprint for implementing the integration of micromobility into public transportation - from a policy, safety and operational standpoint. Performance Measures framework including Safety, Access and Geographic Coverage will be included into the recommendations as a baseline.
- 3.7. Identify potential public and private funding sources that could be allocated for the various micromobility modes and/or their necessary infrastructure components.

Deliverable

The Consultant shall provide the findings of this task in the Technical Memorandum #3 "Recommendations and Roadmap to Implementation" which will include recommended Policies and Guidelines for the potential long-term implementation of micromobility in Miami-Dade County. This analysis will be also part of the Final Report.

Task 4 – Project Coordination and Management

This task includes coordination meetings with the TPO staff and transportation partners to gather the necessary information, approve Task 1 and 2 before proceeding with Task 3, review proposed improvements, prepare the material to present during the FDOT Scoping Committee Meeting and manage scope of services, schedule and budget. This task includes:

- 4.1. Form a Study Advisory Committee (SAC) in coordination with the TPO. The SAC will include representatives of the Regulatory and Economic Resources (RER), Department of Transportation and Public Works (DTPW), the Florida Department of Transportation (FDOT), Parks, Recreation and Open Spaces (PROS) Department, and municipalities that have implemented micromobility options, among others.
- 4.2. Hold a total of three (3) meetings with the SAC to discuss relevant issues regarding the development and progress review of the Study. These meetings will be held at the TPO or in a virtual format, as appropriate.
- 4.3. Present the results and recommendations of this study to the TPO committees. Up to five (5) presentations will be scheduled for this purpose to include the Bicycle Pedestrian Advisory Committee (BPAC) and the Citizens' Transportation Advisory Committee (CTAC).
- 4.4. Submit timely monthly invoices electronically with corresponding progress reports to document and support the work completed for approval by the TPO Project Manager.

- 4.5. Develop and maintain a project schedule including major milestones and meeting dates, with approval of the TPO Project Manager.

IV. STUDY DELIVERABLES

All documentation listed above, and presentation materials shall be delivered to the TPO in an electronic format, either PDF or PowerPoint.

1. A Draft Report must be submitted for review by the TPO. Once the Final Report is approved, the Consultant must deliver five (5) full color copies of the signed and sealed Final Microbidity Integration Report which should include information from all subtasks within the study. The report will also include pictures, charts, diagrams, maps, tables, to facilitate the reading of the report and for better illustration of the study recommendations.
2. An Executive Summary shall be prepared (full color in a newsletter format and no more than 8 pages is recommended) with ten (10) copies delivered to the TPO.
3. A PowerPoint Presentation with the highlights of the study.
4. Final Report and Executive Summary will be also submitted in electronic format to be posted in the TPO Website and for further reproduction and distribution.

V. SCHEDULE

The duration of the task listed in this scope of services will be six (6) months.

VI. ESTIMATED BUDGET

The estimated cost for all the tasks listed in this scope of services is \$75,000.00 including a 10% contingency.