

Strategic Miami Area Rapid Transit

“SMART” Plan

First/Last Mile Opportunities with High Trip Generators

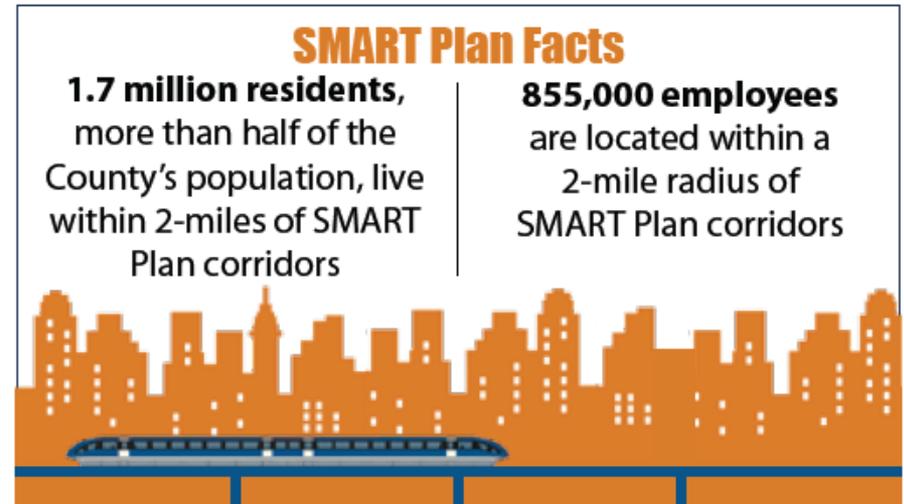


Aileen Bouclé, AICP, Executive Director
Miami-Dade Transportation Planning Organization

October 20, 2018

Strategic Miami Area Rapid Transit “SMART” Plan

- **SMART Plan Adoption**
- **First/Last Mile**
- **Demonstration Projects**



Milestone: Adoption of the “SMART” Plan

April 21, 2016

RESOLUTION ENDORSING THE
STRATEGIC MIAMI AREA RAPID
TRANSIT (SMART) PLAN AND
DIRECTING THE TPO EXECUTIVE
DIRECTOR TO WORK WITH THE
METROPOLITAN PLANNING
ORGANIZATION FISCAL PRIORITIES
COMMITTEE TO DETERMINE THE COSTS
AND POTENTIAL SOURCES OF FUNDING
FOR PROJECT DEVELOPMENT AND
ENVIRONMENT STUDY FOR SAID
PROJECTS

THE **TPO EXECUTIVE DIRECTOR IS**
FURTHER DIRECTED TO TAKE ALL
NECESSARY STEPS TO IMPLEMENT
THE ATTACHED SMART PLAN.

MPO RESOLUTION #26-16

RESOLUTION ENDORSING THE STRATEGIC MIAMI AREA RAPID TRANSIT (SMART) PLAN AND DIRECTING THE MPO EXECUTIVE DIRECTOR TO WORK WITH THE METROPOLITAN PLANNING ORGANIZATION FISCAL PRIORITIES COMMITTEE TO DETERMINE THE COSTS AND POTENTIAL SOURCES OF FUNDING FOR PROJECT DEVELOPMENT AND ENVIRONMENT STUDY FOR SAID PROJECTS

WHEREAS, in 2002, the electors of Miami-Dade County approved the imposition of a one-half percent surtax with the purpose of improving, among other things, mass transit within the County through the People's Transportation Plan; and

WHEREAS, the People's Transportation Plan included eight rapid transit corridors located throughout Miami-Dade County; and

WHEREAS, on February 16, 2016, the MPO Governing Board unanimously approved a policy to set as highest priority for this community the advancement of Rapid Transit Corridors and transit supportive projects in Miami-Dade County; and

WHEREAS, the Metropolitan Planning Organization Transit Solutions Committee has, over the past several months, received and considered input from transportation partner agencies, elected officials, and the public at large; and

WHEREAS, the Metropolitan Planning Organization Transit Solutions Committee has reviewed the proposed Strategic Miami Area Rapid Transit (SMART) Plan and has forwarded the proposal with a favorable recommendation; and

WHEREAS, the Metropolitan Planning Organization remains committed to the development of these rapid transit corridors,

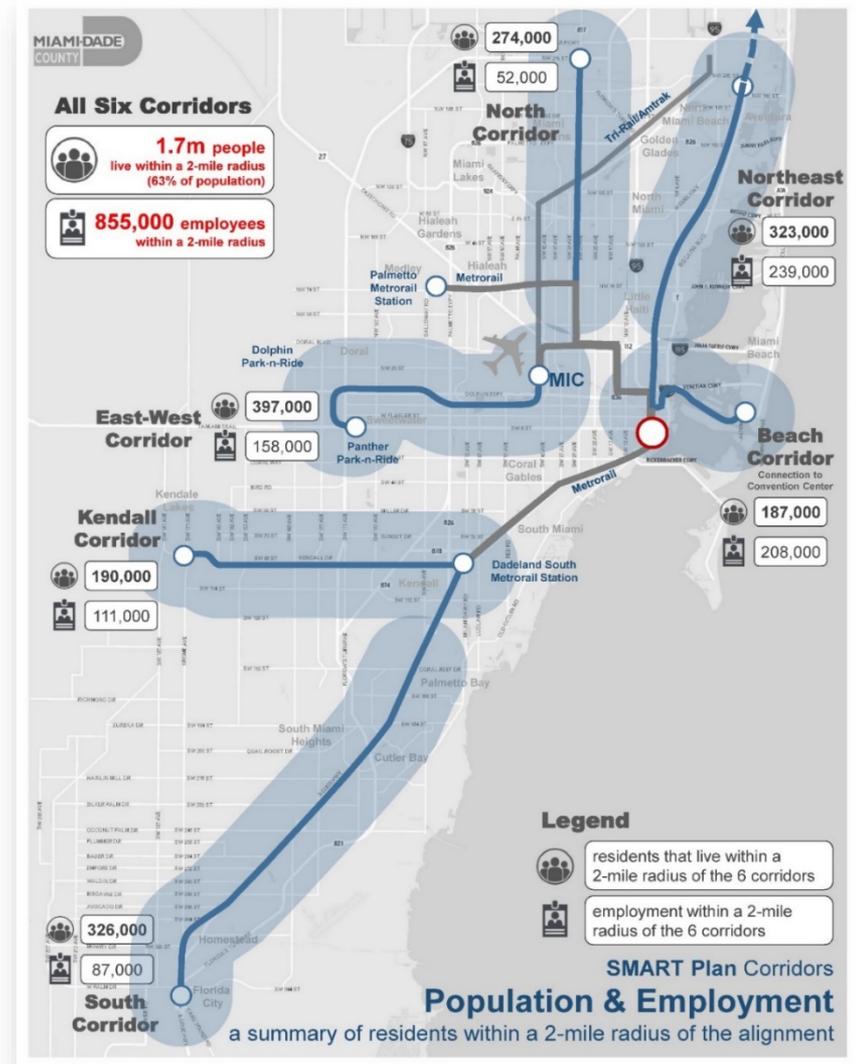
NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA, that the attached Strategic Miami Area Rapid Transit (SMART) Plan is hereby endorsed. The Governing Board of the Metropolitan Planning Organization hereby directs the MPO Executive Director to work with the Fiscal Priorities Committee to determine the costs and potential sources of funding for Project Development and Environment Study for said projects. **The MPO Executive Director is further directed to take all necessary steps to implement the attached SMART Plan.**



Population & Employment

Why is the SMART Plan so critical?

The SMART Plan includes rapid transit corridors and express bus routes to increase connectivity for approximately 77% of Miami-Dade County residents that travel outside their residential district for employment in other areas of the County.

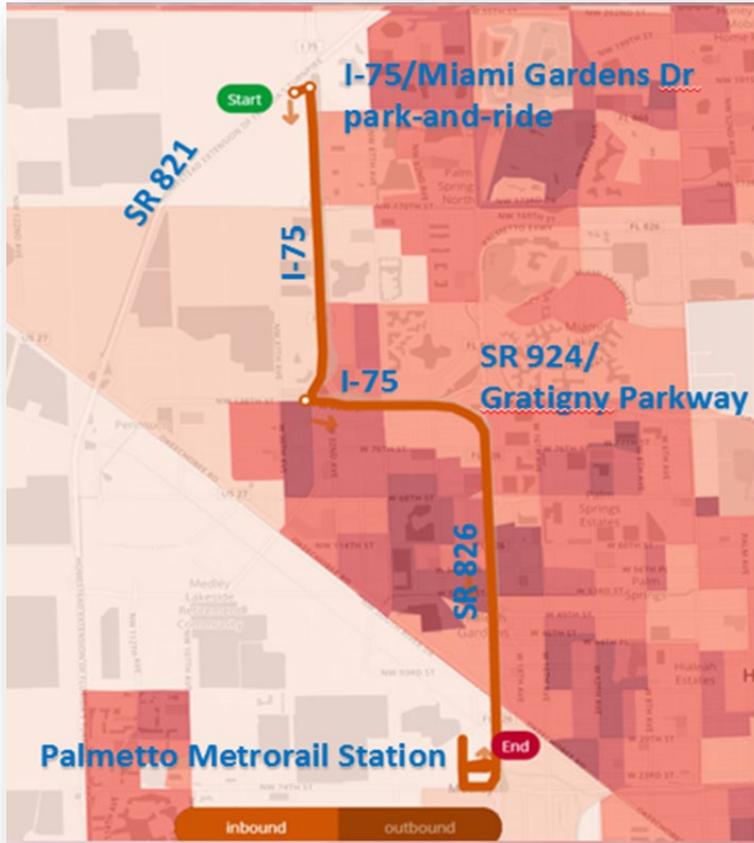


Within 2-mile radius of SMART Plan corridors:

- 1.7 million of the County's population live
- 855,000 employees work
- Transit Oriented Development planned



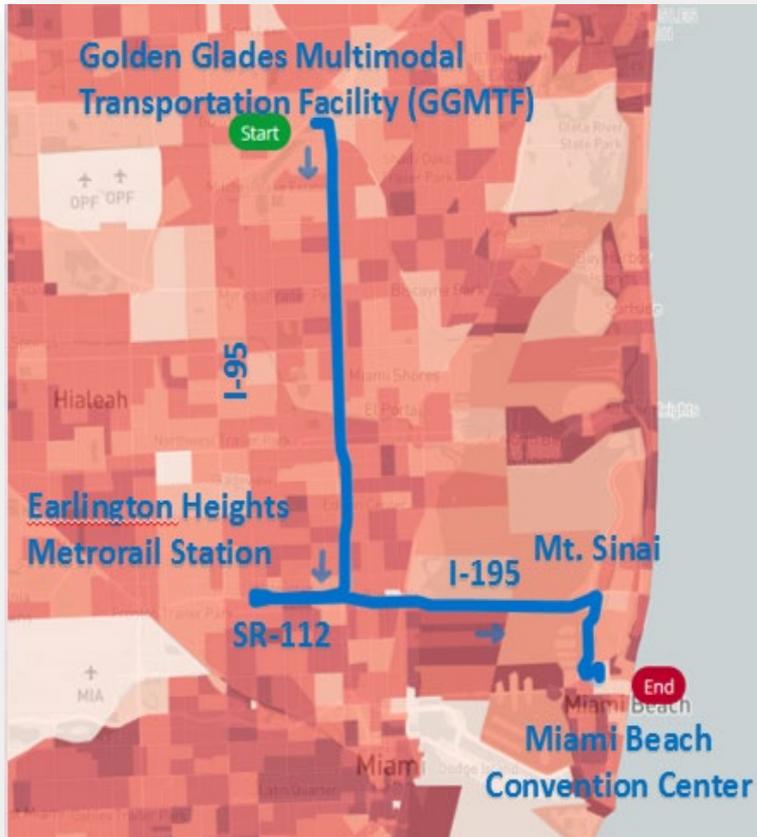
NW Miami-Dade Express Bus Express Rapid Transit (BERT)



- SMART Plan BERT Route
- Express Bus Service from I-75/ Miami Gardens Park and Ride Lot along I-75 and SR-826 to the Palmetto Metrorail Station
- Funded by FDOT and Operated by Miami-Dade County



Beach Express North Bus Express Rapid Transit (BERT)



- SMART Plan BERT Route
- Design and Construction for New Express Service from the Golden Glades Interchange
- Multimodal Transportation Facility on I-95 to SR-112/I-195 and Earlington Heights Metrorail Station to and from Miami Beach Convention Center



Milestone: 1st/Last Mile Demonstration Project

December 7, 2017

RESOLUTION ALLOCATING CONGESTION MITIGATION AND AIR QUALITY (CMAQ) FUNDS IN FISCAL YEARS 2018 AND 2019, IN AN AMOUNT NOT TO EXCEED \$800,000.00, TO **IMPLEMENT THE FIRST AND LAST MILE ON-DEMAND TRANSIT SOLUTIONS DEMONSTRATION PROJECT**

THAT THIS GOVERNING BOARD **ALLOCATE CONGESTION MITIGATION AND AIR QUALITY (CMAQ) FUNDS IN FY 2018 AND FY 2019, IN AN AMOUNT NOT TO EXCEED \$800,000.00**, TO IMPLEMENT THE FIRST AND LAST MILE ON-DEMAND TRANSIT SOLUTIONS DEMONSTRATION PROJECT.

TPO RESOLUTION #61-17

RESOLUTION ALLOCATING CONGESTION MITIGATION AND AIR QUALITY (CMAQ) FUNDS IN FISCAL YEARS 2018 AND 2019, IN AN AMOUNT NOT TO EXCEED \$800,000.00, TO IMPLEMENT THE FIRST AND LAST MILE ON-DEMAND TRANSIT SOLUTIONS DEMONSTRATION PROJECT

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

WHEREAS, the TPO adopted Resolution #06-16 establishing transit as the "highest priority" for Miami-Dade County; and

WHEREAS, under Resolution #26-16, the TPO Governing Board endorsed the Strategic Miami Area Rapid Transit (SMART) Plan, which includes six (6) rapid transit corridors; and

WHEREAS, the development of the six rapid transit corridors will likely need the infusion of various funding sources, including federal, state, County, and municipal participation; and

WHEREAS, on June 22, 2017, under TPO Resolution #27-17, the TPO Governing Board established as TPO Priorities: delivery of projects including Complete Streets, First/Last mile, CAV and other priority projects that enhance connectivity, accessibility, and integration of the entire transportation network; and

WHEREAS, the Congestion Mitigation and Air Quality (CMAQ) program funding is available to reduce congestion and improve air quality with considerable emphasis on select project types including to support startup of new transit services, such as new shuttle services linking major activity centers; and

WHEREAS, the Miami-Dade Department of Transportation and Public Works (DTPW) will implement a demonstration project using a new technology to support First and Last Mile transit services connecting major activity centers; and

WHEREAS, the provision of these services will help to improve air quality, alleviate traffic congestion and improve the accessibility and connectivity of the rapid transit services along SMART corridors; and

WHEREAS, the First and Last Mile On-Demand Transit Solutions Demonstration project meets the guidelines and eligible criteria under the CMAQ program,

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA, that this Governing Board **allocate Congestion Mitigation and Air Quality (CMAQ) funds in FY 2018 and FY 2019, in an amount not to exceed \$800,000.00, to implement the First and Last Mile On-Demand Transit Solutions Demonstration Project.**



First & Last Mile

DYNAMIC ON-DEMAND TRANSIT

What: Miami-Dade will deploy real-time on-demand technology, using small transit vehicles, for a **dynamically routed, on-demand transit** to provide **shared, near door-to-door rides** for commuters and ambulatory paratransit riders connecting with Metrorail stations.

Who: procuring technology and on-demand services.

When: fall 2018



MOBILITY INNOVATION +
TECHNOLOGY

SERVICE ZONES:

CIVIC CENTER

DADELAND AREA

DYNAMIC ON-DEMAND TRANSIT

FIRST/LAST MILE DEMONSTRATION SOLUTIONS



Miami-Dade Transportation
Planning Organization

SERVICE AREA MAP

FIRST/LAST MILE SOLUTIONS



- Partnership driven:
 - Private licensing on-demand technology
 - Private transit operator
- Shared, near door-to-door rides for transit users from/to Metrorail stations within designated service areas:
 - Civic Center area
 - Dadeland area:
South Miami, Dadeland North and Dadeland South stations
- Real-time ride matching and dynamically routed rides



Milestone: Approval of the SMART Plan “Demonstration Projects”

June 21, 2018

RESOLUTION ENDORSING THE STRATEGIC MIAMI AREA RAPID TRANSIT PLAN **DEMONSTRATION PROJECTS AND APPROVING IDENTIFIED FUNDING FRAMEWORK TO ADVANCE SAID DEMONSTRATION PROJECTS** FOR INCLUSION IN THE 2020-2024 TPO PROGRAM PRIORITIES

UPON COMPLETION OF THE THREE-YEAR PILOT PERIOD, IF THE SMART DEMONSTRATION PROJECT IS DEEMED SUCCESSFUL, **THE APPROPRIATE SPONSOR ENTITY SHALL BEAR ALL COSTS ASSOCIATED WITH PROJECT CONTINUATION.**

TPO RESOLUTION #29-18

RESOLUTION ENDORSING THE STRATEGIC MIAMI AREA RAPID TRANSIT (SMART) PLAN DEMONSTRATION PROJECTS AND APPROVING IDENTIFIED FUNDING FRAMEWORK TO ADVANCE SAID DEMONSTRATION PROJECTS FOR INCLUSION IN THE 2020-2024 TPO PROGRAM PRIORITIES

WHEREAS, the Transportation Planning Organization (TPO), on February 18, 2016, adopted Resolution #06-16, which established transit as the “highest priority” for Miami-Dade County; and

WHEREAS, under Resolution #26-16, the TPO Governing Board endorsed the Strategic Miami Area Rapid Transit (SMART) Plan, which includes six (6) rapid transit corridors and a network of nine (9) bus express rapid transit (BERT) services; and

WHEREAS, the TPO Governing Board adopted Resolution #27-17, which designated specific funds for the implementation of the SMART Plan; and

WHEREAS, the TPO Governing Board adopted Resolution #14-18, which endorsed the identification and implementation of Demonstration projects that advance elements of the SMART Plan; and

WHEREAS, the TPO Transportation and Mobility Committee (TMC) reviewed the attached list (Exhibit A) of eleven (11) SMART Plan Demonstration projects and recommended favorably the endorsement of same;

WHEREAS, the TPO Fiscal Priorities Committee (FPC) established the funding framework to advance said demonstration projects, as noted in Exhibit A. **Upon completion of the three-year pilot period, if the SMART Demonstration Project is deemed successful, the appropriate sponsor entity shall bear all costs associated with project continuation;** and

WHEREAS, it is the desire of the TPO Governing Board to encourage innovation and flexibility to help expedite demonstration projects that advance part or all of a SMART Plan corridor,

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 this Board endorses the Strategic Miami Area Rapid Transit (SMART) Plan Demonstration Projects and approves the identified funding framework to advance said Demonstration Projects, for inclusion in the 2020-2024 TPO Program Priorities.



SMART Demonstration Projects



THE NEXT MIAMI

Home / South Florida Transportation / Midtown's First Train Station Proposed On Brightline Tracks

Midtown's First Train Station Proposed On Brightline Tracks

By TNM Staff on May 16, 2018

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A train station is planned to be built near Midtown Miami and the Design District as a demonstration project for the SMART Plan.

A map shows the station location to be either underneath or just north of I-195.

The City of Miami is sponsoring the station, and is working in conjunction with Brightline parent Florida East Coast Industries, according to documents sent to city commissioners.

Another demonstration project is proposed to be a new trolley route that connects with the Miami Intermodal Center on the East-West Corridor of the SMART Plan.

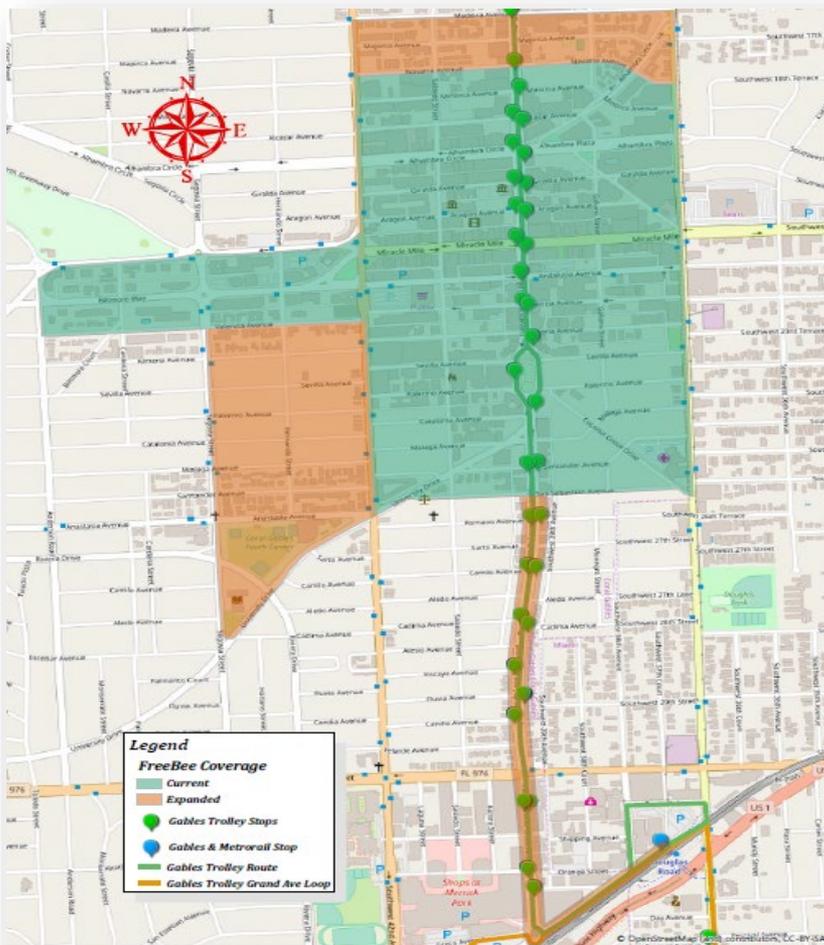
Funding is to be issued in fiscal 2019 (which begins October 2018). Half of the funding must come from the local sponsor, with the other half the responsibility of the Miami-Dade Transportation Planning Organization (which may also seek federal or state funding).

The submission to the TPO from the city is due May 21. Miami commissioners are scheduled to vote on retroactively approving the submission May 24.

SMART Demonstration Projects



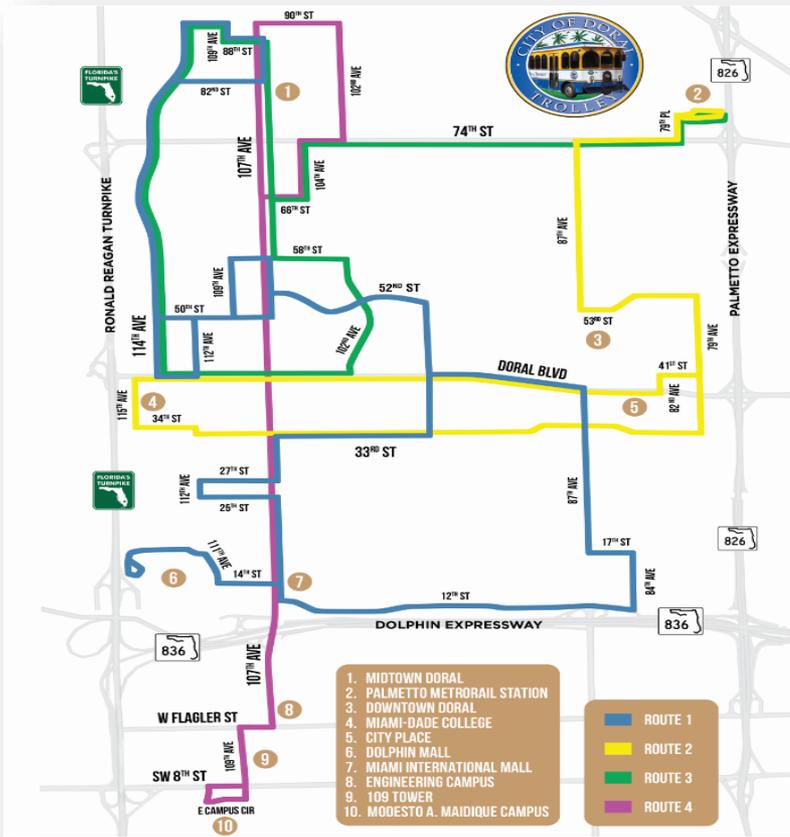
City of Coral Gables Flex Route via Electric Vehicles



- First/Last Mile Connection
- Includes new service area to the West & South
- Direct Connection to Douglas Metrorail Station



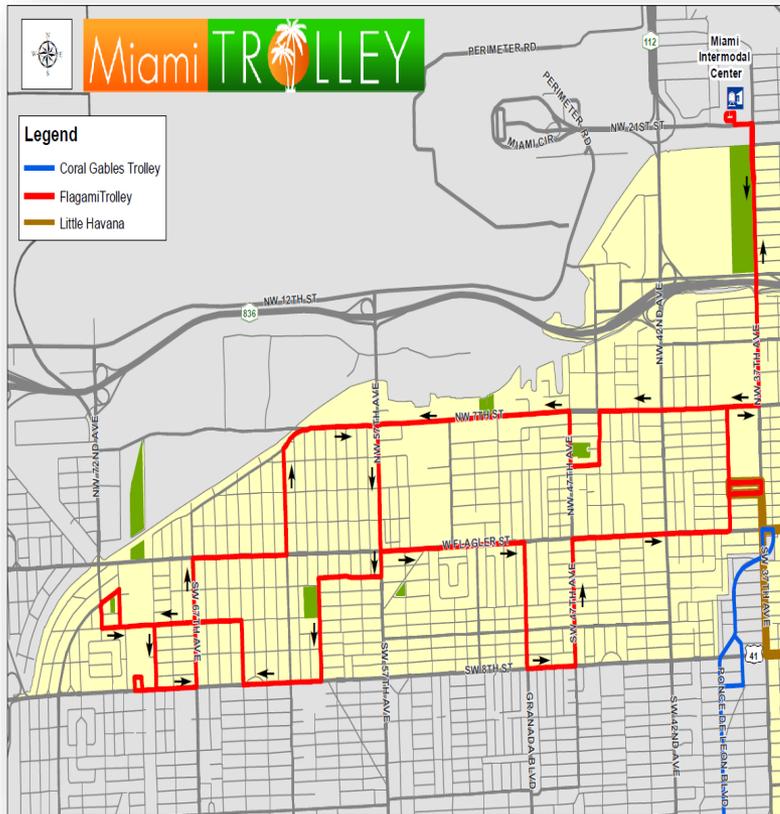
City of Doral FIU Trolley Route



- First/Last Mile Connection
- New service along 107 Ave. from the FIU Panther Station north to NW 90 Street
- Provides connectivity to Palmetto Metrorail Station and FIU Panther Station



City of Miami Flagami Trolley Route



- First/Last Mile Connection
- Connection to Miami Intermodal Center
- Connects Coral Gables and Little Havana Routes



North Bay Village

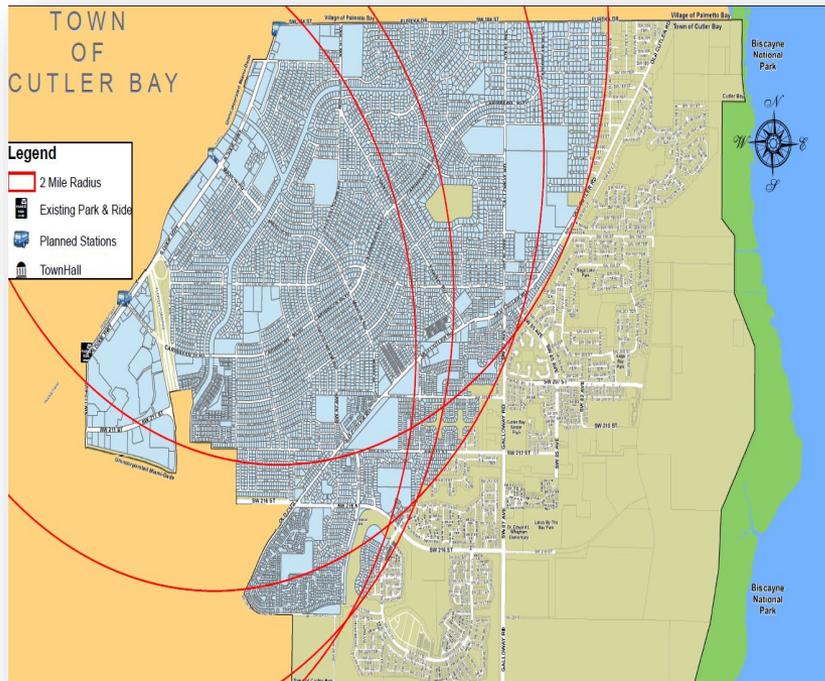
SMART NE Corridor Feeder Route (Red)



- First/Last Mile Connection
- Connection at the Biscayne Blvd. and 79th Street Transit Station
- Improves Accessibility and Connectivity



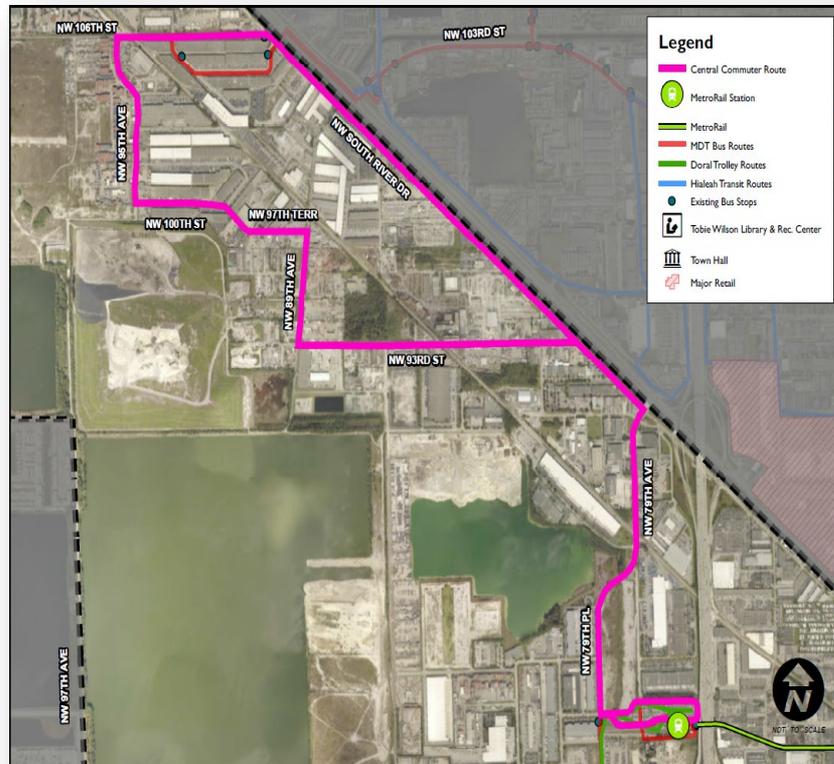
Town of Cutler Bay Cutler Bay Express



- First/Last Mile Connection
- Direct connections to South Dade Transitway, Dadeland South Metrorail
- Congestion relief & parking relief at Dadeland South Metrorail Station



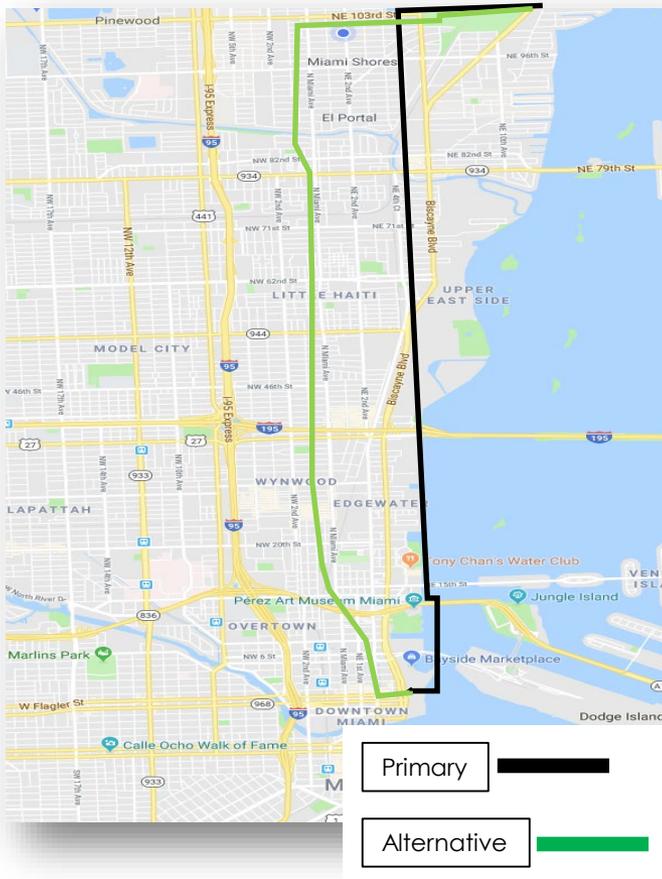
Town of Medley Central Commuter Route



- First/Last Mile Connection
- Connects to Palmetto Metrorail Station, Doral Trolley, & Metrobus Routes
- Provides Service to Employment Centers



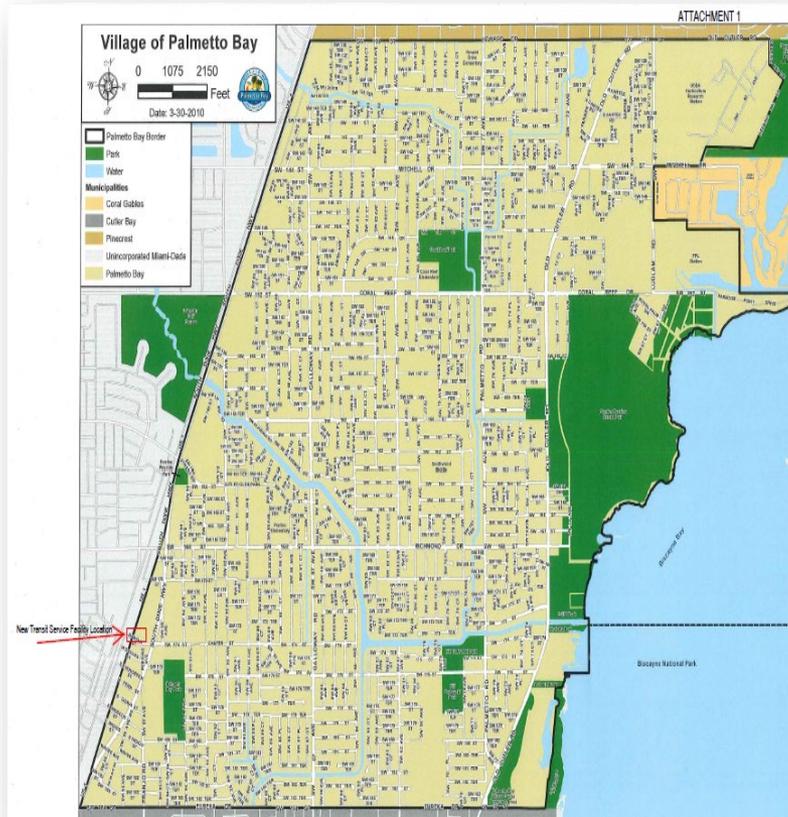
Village of Miami Shores SMART NE Corridor Feeder Routes



- First/Last Mile Connection
- New Service with Direct Connection to the NE Corridor
- Connecting from the Village's Community Center to the Brightline Station in Downtown Miami



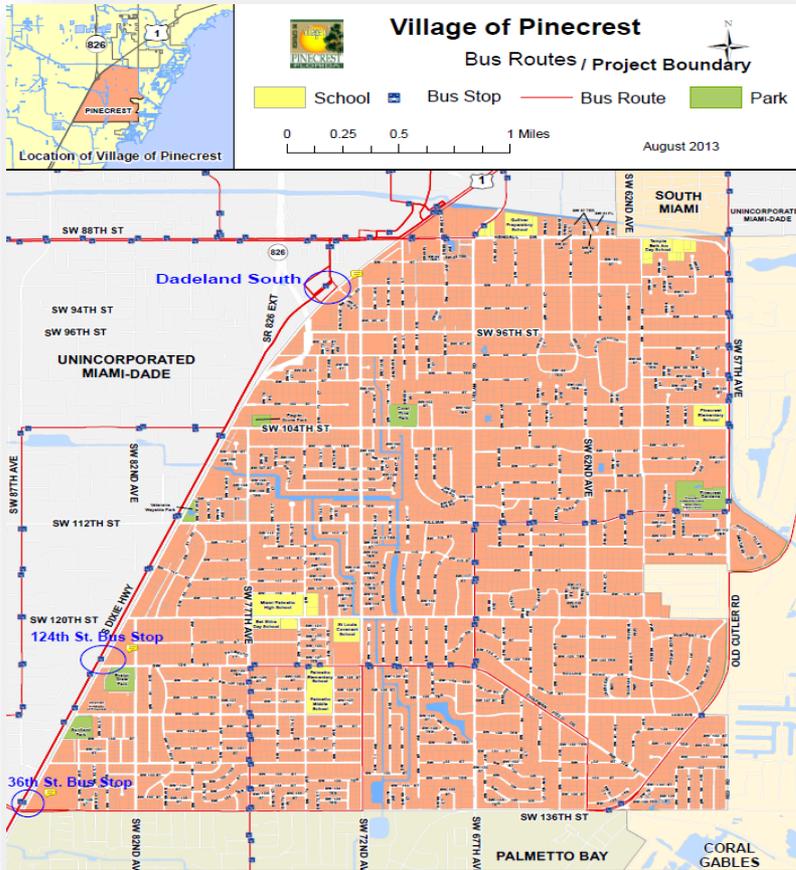
Village of Palmetto Bay New Transit Service Facility & Express Service



- First/Last Mile Connection
- Connections to the South Dade Transitway & Dadeland South Metrorail Station
- New Transit Station in Palmetto Bay



Village of Pinecrest Transitway Circulator



- First/Last Mile Connection
- Connections to the South Dade Transitway and Dade South Metrorail Station
- Peak Hour Congestion Relief



SMART Supporters



Miami-Dade Transportation Planning Organization

Questions & Discussion



Miami-Dade Transportation
Planning Organization

Aileen Bouclé, AICP
Executive Director

www.MiamiDadeTPO.org



#MiamiSMARTPlan



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