

Strategic Miami Area Rapid Transit SMART Plan Update



Local Government ACES Applications Practical Implementation Opportunities in Miami-Dade

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

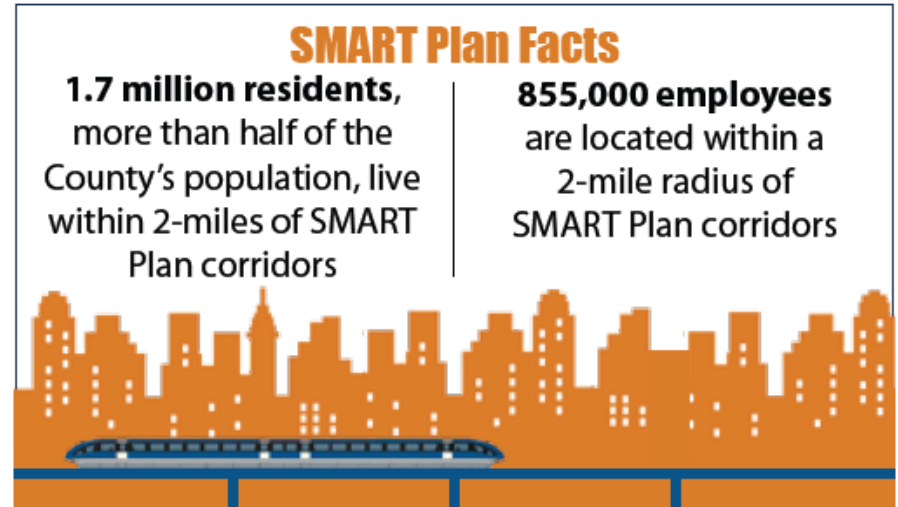
November 28, 2018



Miami-Dade Transportation
Planning Organization

Strategic Miami Area Rapid Transit “SMART” Plan

- Brief Background
- Current Status
- Funding Update
- Next Steps

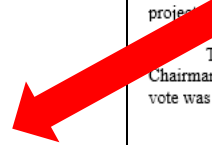
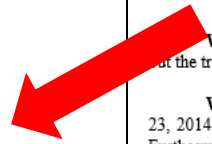


Milestone: “Transit as Highest Priority”

February 18, 2016

RESOLUTION ESTABLISHING A POLICY OF THIS BOARD **TO SET AS HIGHEST PRIORITY THE ADVANCEMENT OF RAPID TRANSIT CORRIDOR PROJECTS IN MIAMI-DADE COUNTY;** AND DIRECTING THE TPO EXECUTIVE DIRECTOR OR DESIGNEE TO AMEND THE 2040 LONG RANGE TRANSPORTATION PLAN TO INCLUDE SAID POLICY

TPO GOVERNING BOARD HEREBY ESTABLISHES A **POLICY TO SET AS HIGHEST PRIORITY FOR THIS COMMUNITY THE ADVANCEMENT OF RAPID TRANSIT CORRIDOR AND TRANSIT SUPPORTIVE PROJECTS** IN MIAMI-DADE COUNTY



MPO RESOLUTION #06-16

RESOLUTION ESTABLISHING A POLICY OF THIS BOARD TO SET AS HIGHEST PRIORITY THE ADVANCEMENT OF RAPID TRANSIT CORRIDOR PROJECTS IN MIAMI-DADE COUNTY; AND DIRECTING THE MPO EXECUTIVE DIRECTOR OR DESIGNEE TO AMEND THE 2040 LONG RANGE TRANSPORTATION PLAN TO INCLUDE SAID POLICY

WHEREAS, Title 23 US Code designates and provides the MPO as the lead agency with the authority to carry out the transportation planning process within Miami-Dade County; and

WHEREAS, the Miami-Dade 2040 Long Range Transportation Plan Update (L RTP) as approved on October 23, 2014, reflects all of the federal MAP-21 National Goals and the 2060 Florida Transportation Plan (FTP) goals. Furthermore, the L RTP addresses all federal, state, regional and local requirements; and

WHEREAS, the MPO Governing Board Chair has emphasized a renewed sense of urgency to improve transit mobility options with the creation of the Transit Solutions Committee and the Fiscal Priorities Committee; and

WHEREAS, the Transit Solutions Committee and the Fiscal Priorities Committee are responsible for identifying immediate opportunities to advance and prioritize funding for mass transit services; and

WHEREAS, this body is responsible for conducting the transportation planning process in Miami-Dade County and recognizes that Rapid Transit Corridor Projects are highest priority and should be advanced in order to provide a comprehensive mobility network that increases regional mobility, reduces congestion, and considers the transportation needs of all residents within the County,

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA, that the MPO Governing Board hereby establishes a policy to set as highest priority for this community the advancement of Rapid Transit Corridor and transit supportive projects in Miami-Dade County; and directing the MPO Executive Director or designee to amend the 2040 Long Range Transportation Plan to include said policy, providing no currently funded projects are negatively impacted.

The adoption of the foregoing resolution was sponsored by Vice Chairman Francis Suarez and moved by Vice Chairman Francis Suarez. The motion was seconded by Board Member Rebeca Sosa, and upon being put to a vote, the vote was as follows:

Chairman Jean Monestime	-Aye	Board Member Smith Joseph	-Absent
Vice Chairman Francis Suarez	-Aye	Board Member Philip Levine	-Absent
Board Member Bruno A. Barreiro	-Absent	Board Member Daniella Levine Cava	-Aye
Board Member Esteban Bovo, Jr	-Aye	Board Member Dennis C. Moss	-Aye
Board Member Jose “Pepe” Diaz	-Aye	Board Member Jeff Porter	-Aye
Board Member Audrey M. Edmonson	-Aye	Board Member Rebeca Sosa	-Aye
Board Member Maurice Ferre	-Aye	Board Member Javier D. Souto	-Aye
Board Member Oliver Gilbert, III	-Aye	Board Member Xavier L. Suarez	-Aye
Board Member Perla Tabares Hantman	-Aye	Board Member Juan C. Zapata	-Absent
Board Member Carlos Hernandez	-Absent		
Board Member Sally A. Heyman	-Absent		
Board Member Barbara J. Jordan	-Aye		

The Chairperson thereupon declared the resolution duly passed and approved this 18th day of February, 2016.

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.**



SMART Plan SMART Region

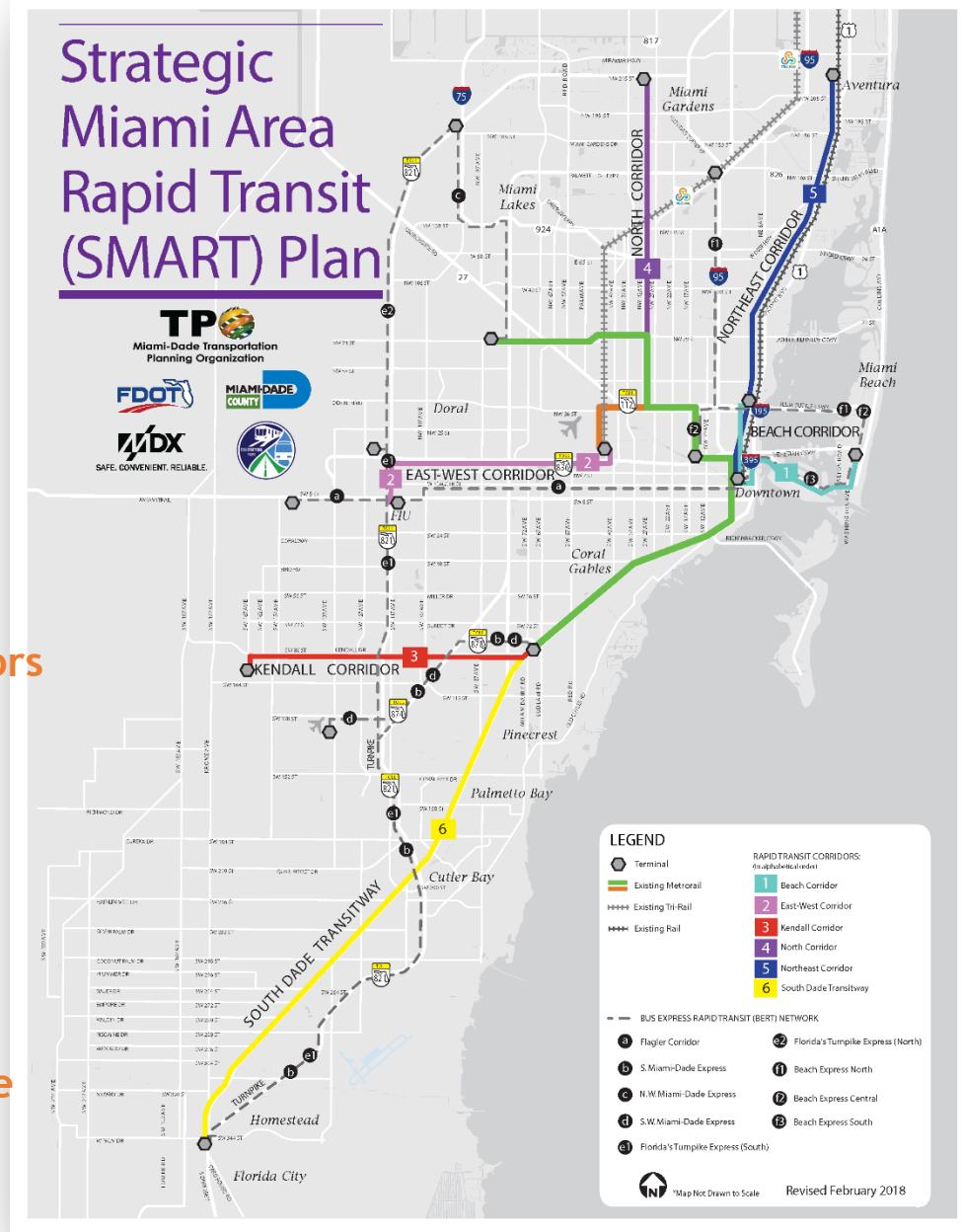
- Six (6) Rapid Transit Corridors

- ✓ Beach
 - ✓ East-West
 - ✓ Kendall
 - ✓ North
 - ✓ Northeast
 - ✓ South
- (1) Project Development & Environment Phase
- (2) Implementation Plan for each corridor

- Six (6) Bus Express Rapid Transit Corridors

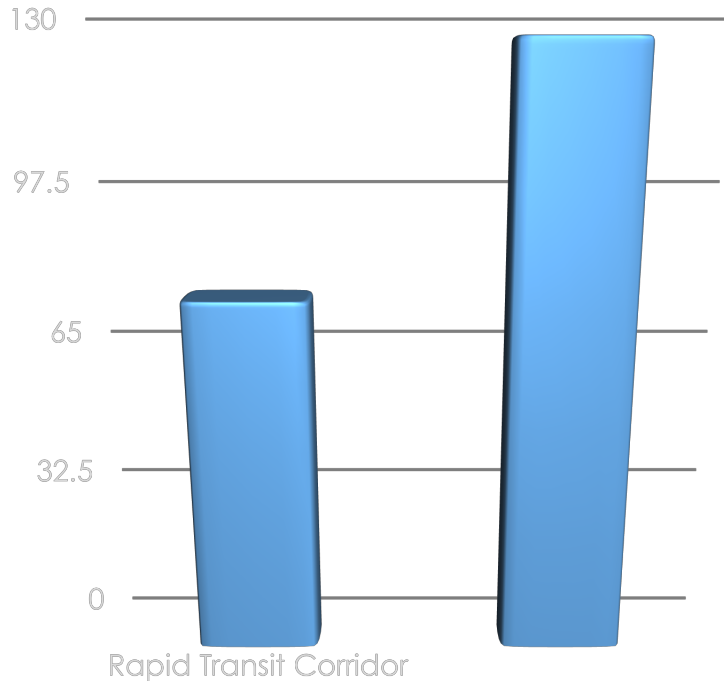
- ✓ Beach Express
 - ✓ Flagler Street
 - ✓ Florida Turnpike
 - ✓ NW Miami-Dade Express
 - ✓ S Miami-Dade Express
 - ✓ SW Miami-Dade Express
- Over 90 miles of express bus network

- Supported by the TPO Governing Board, Miami-Dade County, Municipalities, State and multiple entities



SMART Plan Current Status

New Route Miles



Rapid Transit Corridors:

- ✓ Construction for South Dade Transitway -**2020**
- ✓ LPA for North Corridor - **2018**
- ✓ LPA for East-West Corridor- Spring **2019**
- ✓ LPA for Beach Corridor Summer **2019**
- ✓ LPA for Kendall Corridor Summer **2019**
- ✓ NE Corridor Negotiations with SFRTA, FECCI, MDC

Bus Express Rapid Transit (BERT):

- ✓ LPA for Flagler BERT – Summer **2019**
- ✓ NW Miami-Dade Express & Station – Winter **2019**
- ✓ South Miami Dade Express – Summer **2019**
- ✓ Turnpike South Express - **2020**
- ✓ South Beach Express South - **2020**
- ✓ SW Miami-Dade Express - **2021**
- ✓ Miami Beach North Express – **2022**
- ✓ Miami Beach Express Central - **2022**
- ✓ Turnpike North Express – **2023**



Milestone: Adoption of the South Corridor Locally Preferred Alternative (LPA)

August 30, 2018

RESOLUTION SELECTING THE LOCALLY PREFERRED ALTERNATIVE (LPA) FOR SOUTH DADE TRANSITWAY CORRIDOR OF THE STRATEGIC MIAMI AREA RAPID TRANSIT (SMART) PLAN

THIS BOARD HEREBY **SELECTS BUS RAPID TRANSIT (BRT) AS THE LOCALLY PREFERRED ALTERNATIVE** FOR THE SOUTH DADE TRANSITWAY CORRIDOR OF THE STRATEGIC MIAMI AREA RAPID TRANSIT (SMART) PLAN AND FURTHER **DIRECTS THE TPO EXECUTIVE DIRECTOR TO TAKE ANY AND ALL NECESSARY STEPS AND ACTIONS IN ORDER TO ACCOMPLISH THE CONVERSION OF THE SOUTH DADE TRANSITWAY FROM BRT TO AT-GRADE METRORAIL UPON REACHING AN AVERAGE WEEKDAY RIDERSHIP OF 35,000 DAILY TRIPS ON THE SOUTH DADE TRANSITWAY.**

TPO RESOLUTION #31-18

RESOLUTION SELECTING THE LOCALLY PREFERRED ALTERNATIVE (LPA) FOR THE SOUTH DADE TRANSITWAY CORRIDOR OF THE STRATEGIC MIAMI AREA RAPID TRANSIT (SMART) PLAN

WHEREAS, the Interlocal Agreement creating and establishing the Miami-Dade Metropolitan Planning Organization (MPO), for the Miami Urbanized Area, now known as the Transportation Planning Organization (TPO), requires that the TPO 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, which established transit as the "highest priority" in Miami-Dade County. Subsequently, the Governing Board unanimously adopted Resolution #26-16, which approved 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, implementation of the vital rapid transit corridors, in whole or in part, will provide needed transportation alternatives and relief from traffic congestion in Miami-Dade County; and

WHEREAS, the South Dade Transitway Corridor is one of the six (6) SMART Plan rapid corridors, which stretches approximately 20 miles from the Dadeland South Metrorail Station to SW 344th Street in Florida City; and

WHEREAS, under TPO Resolution #47-17, the Governing Board prioritized and advanced the development of the South Dade Transitway Corridor (along with the North Corridor) to Priority I in the Long Range Transportation Plan (LRTP); and

WHEREAS, the South Corridor (formerly known as South Miami-Dade Transit Corridor) includes a long history of transportation planning. In 2006 a locally preferred alternative was selected by the Governing Board (formally the MPO/Resolution #30-06), as a modified enhanced bus rapid transit (BRT) that included a Metrorail extension to SW 104th Street, and a long-range provision of further extending Metrorail south, as ridership demand warrants; and

WHEREAS, the Project Development and Environment (PD&E) studies for the six SMART Plan corridors have been approved and are presently in progress, with the Miami-Dade Department of Transportation and Public Works serving as the lead agency for the South Dade Transitway 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 hereby **selects bus rapid transit (BRT) as the locally preferred alternative for the South Dade Transitway Corridor of the Strategic Miami Area Rapid Transit (SMART) Plan and further directs the TPO Executive Director to take any and all necessary steps and actions in order to accomplish the conversion of the South Dade Transitway from BRT to at-grade Metrorail upon reaching an average weekday ridership of 35,000 daily trips on the South Dade Transitway.**



**SOUTH CORRIDOR
BUS RAPID TRANSIT (BRT)**

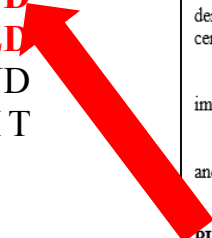
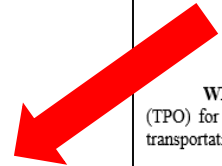
MIAMI-DADE COUNTY

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.**

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;

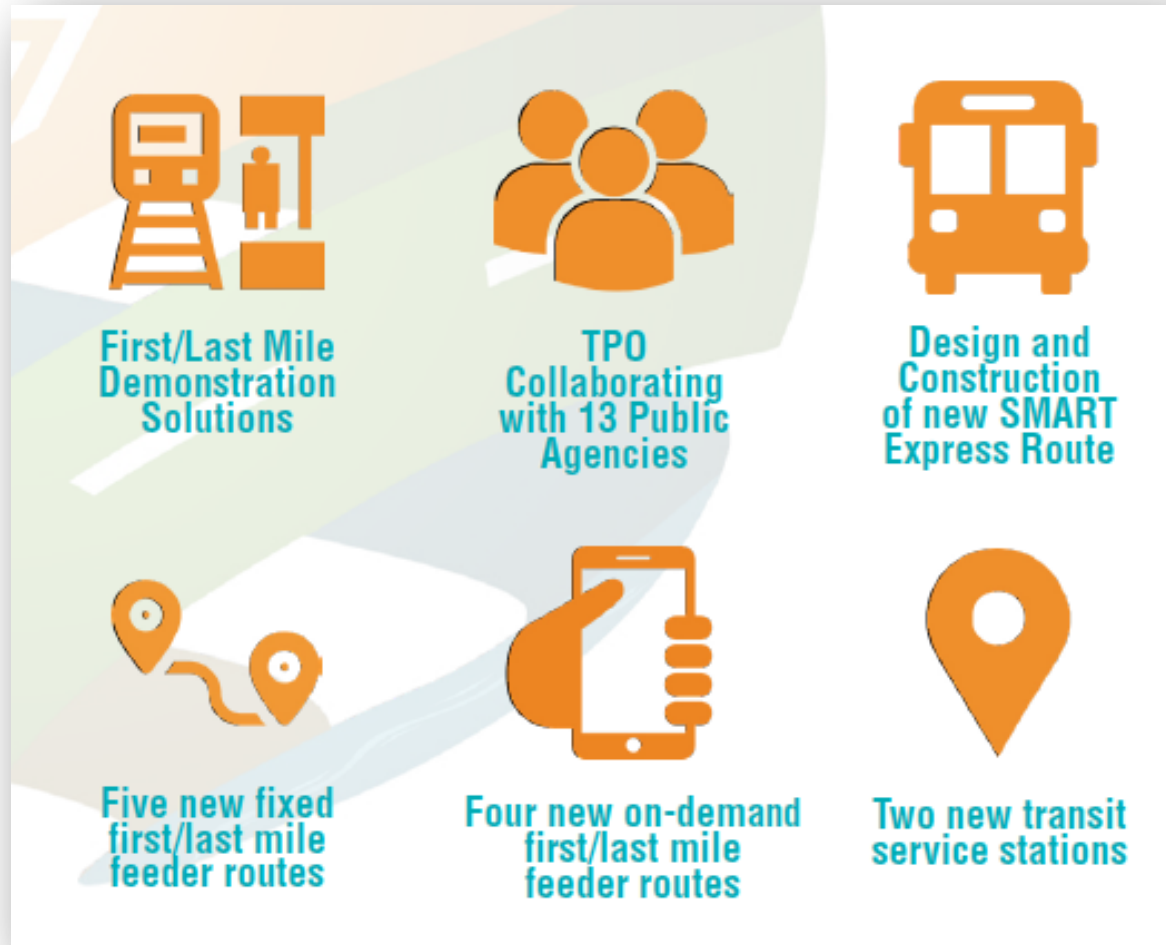
WHEREAS, the TPO Fiscal Priorities Committee (FPC) established the funding framework to advance said demonstration projects, as noted in Exhibit A. **Upon completion of the three-year pilot period, if the SMART Demonstration Project is deemed successful, the appropriate sponsor entity shall bear all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



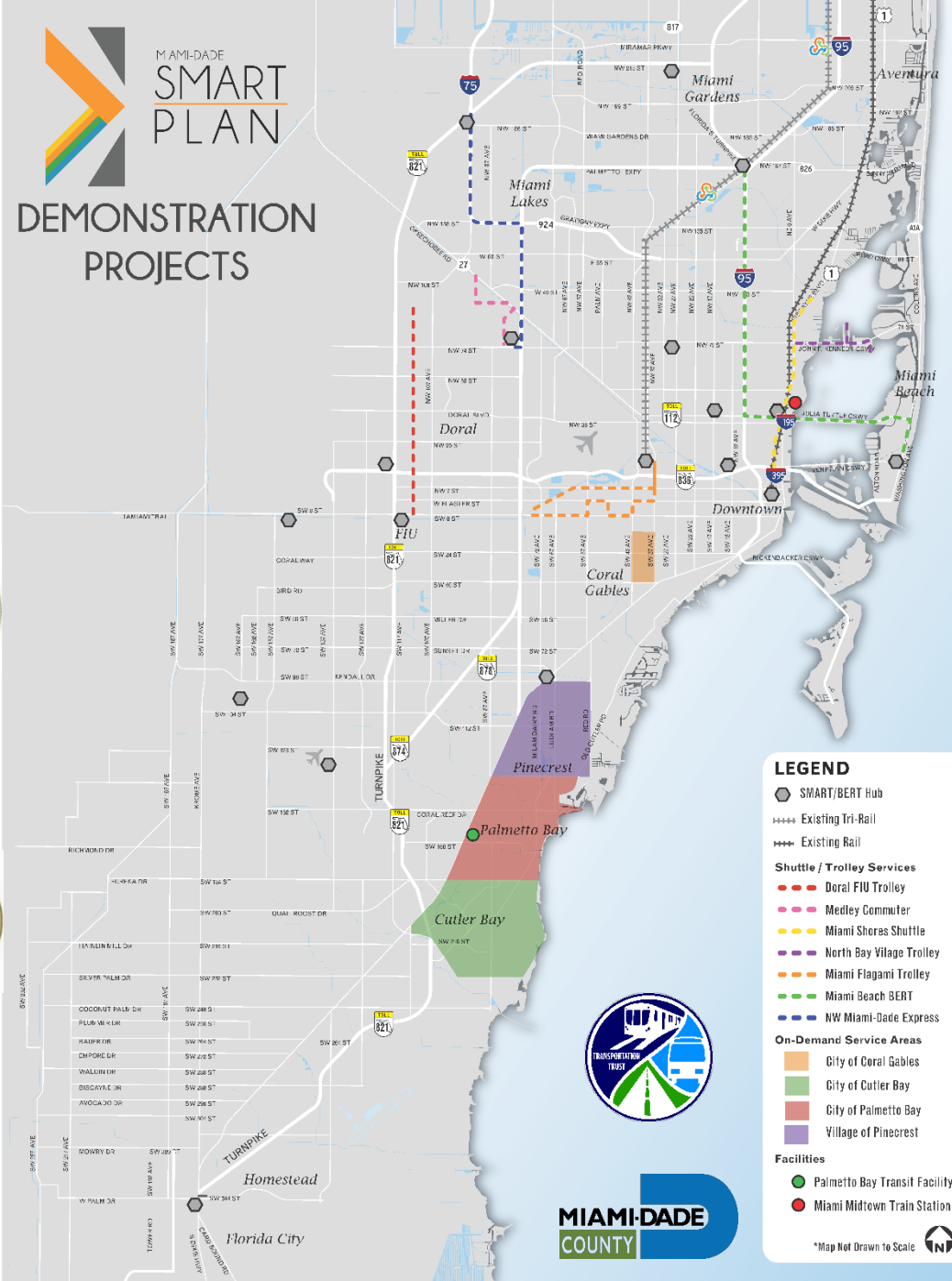
SMART Demonstration Projects





MIAMI-DADE SMART PLAN

DEMONSTRATION PROJECTS



LEGEND

- SMART/BERT Hub
- Existing Tri-Rail
- Existing Rail
- Shuttle / Trolley Services**
 - Doral FIU Trolley
 - Medley Commuter
 - Miami Shores Shuttle
 - North Bay Village Trolley
 - Miami Flagami Trolley
 - Miami Beach BERT
 - NW Miami-Dade Express
- On-Demand Service Areas**
 - City of Coral Gables
 - City of Cutler Bay
 - City of Palmetto Bay
 - Village of Pinecrest
- Facilities**
 - Palmetto Bay Transit Facility
 - Miami Midtown Train Station

*Map Not Drawn to Scale

SMART Demonstration Projects

Express bus to South Beach? Tri-Rail in Design District? New transit plans in the works

BY JOEY FLECHAS AND KYRA G...
 jflechas@miamiherald.com
 kgurney@miamiherald.com
 May 24, 2018 10:39 AM
 Updated 3 hours 4...

Cities seek to pinpoint major clusters of riders for Northeast rail route

By KATHERINE LEWIN

Members of the Transportation Planning Organization Board have asked representatives of the 15 municipalities that will be contiguous to a new Northeast transit corridor for Miami to move in and out of the...

have spaces for a station along the Northeast Corridor shared their possible spots for construction and their concerns and plans for each. Miami Shores and Biscayne Park are the only two municipalities contiguous to the Northeast Corridor that do not have a station.

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-95.

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

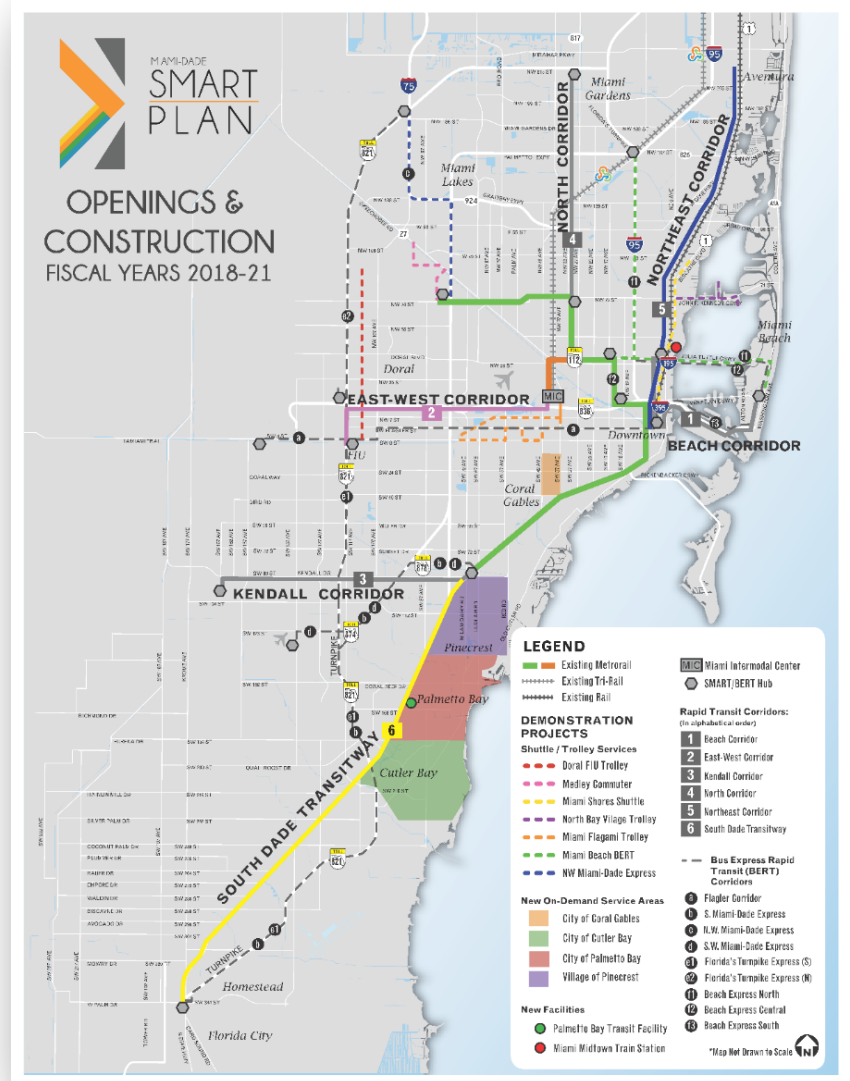
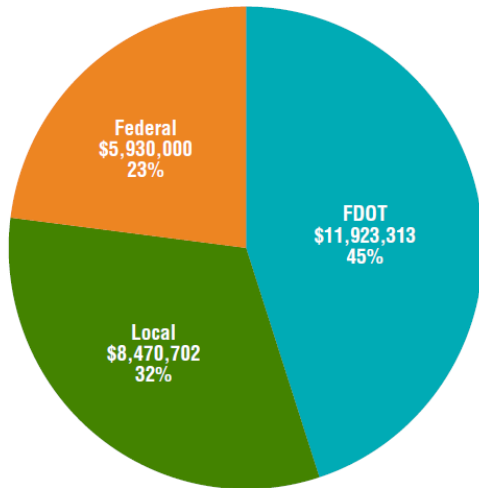
Funding is to be issued in fiscal 2019 (which begins October 2018). Half of the funding must come from the local sponsor, with the other half the responsibility of the Miami-Dade Transportation Planning Organization (which may also seek federal or state funding).

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.

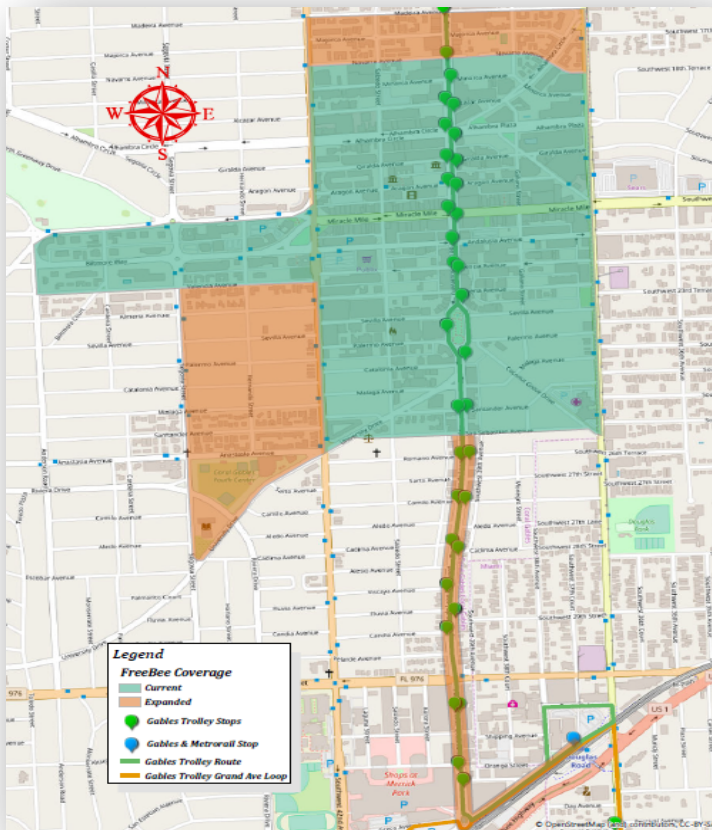
SMART Demonstration Projects Current Status

1st/Last Mile Demonstration Projects:

- ✓ City of Miami Flagami - **2018**
- ✓ Coral Gables Flex Service via Electric Vehicles - **2018**
- ✓ Doral/FIU - **2018**
- ✓ Funding for NE Corridor Demonstration Station - **2018**
- ✓ North Bay Village SMART Feeder Route - **2019**
- ✓ Cutler Bay Express Service - **2019**
- ✓ Medley Central Commuter Route - **2019**
- ✓ Miami Shores SMART Feeder Route - **2019**
- ✓ Palmetto Bay Transit Service & Station - **2019**
- ✓ Pinecrest TransitWay Circulator - **2019**



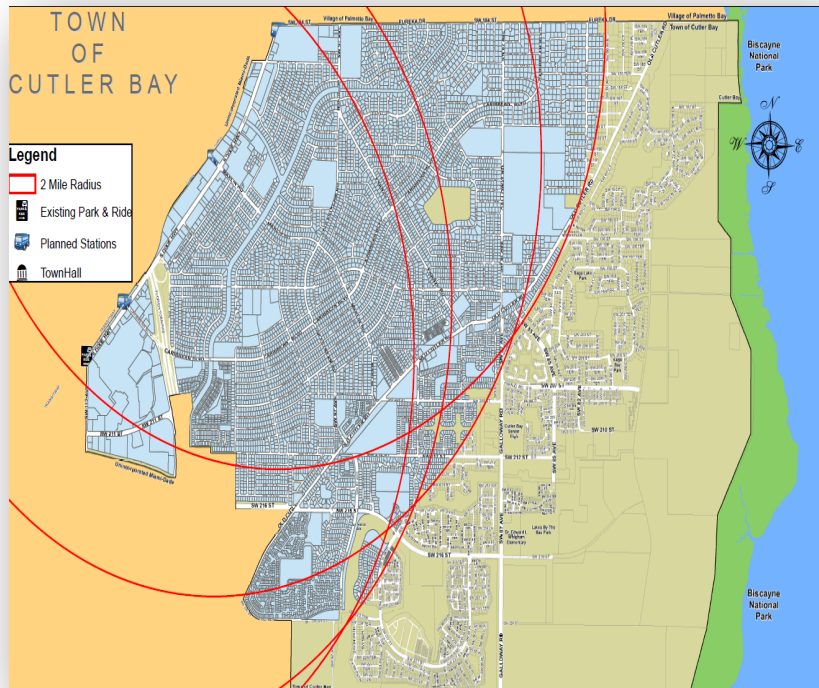
City of Coral Gables Flex Service via Electric Vehicles End of 2018 - Anticipated Service



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

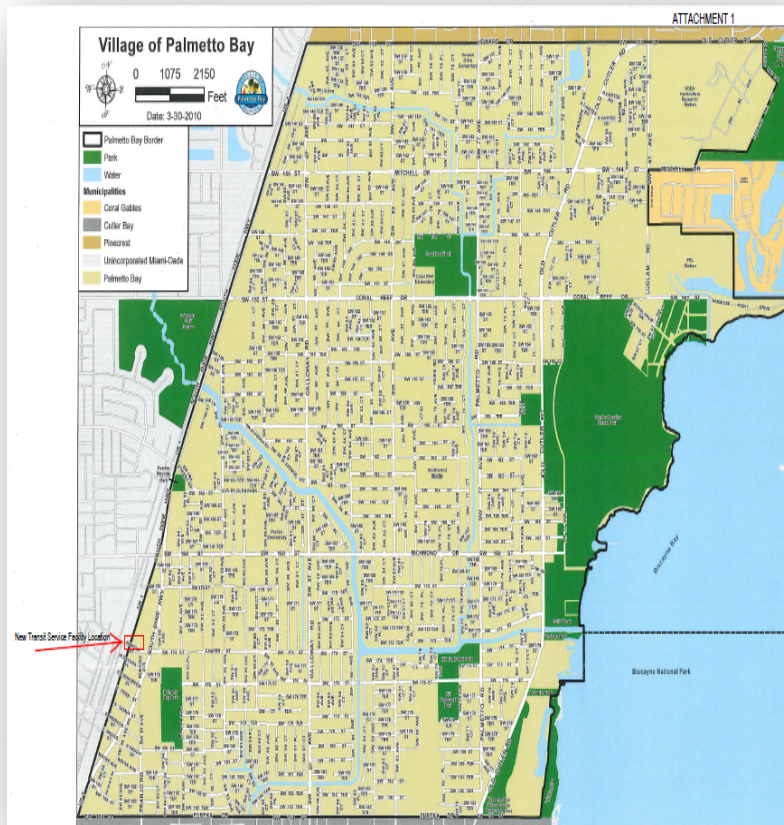
On-Demand Service

Town of Cutler Bay Cutler Bay Express Early 2019 – Anticipated Service



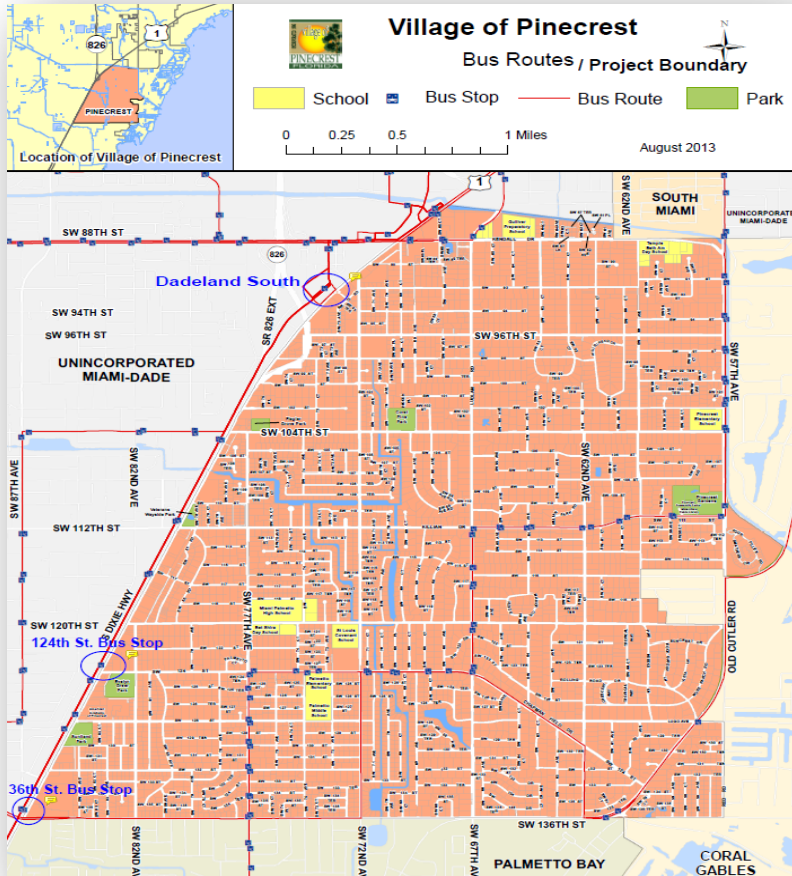
- First/Last Mile Connection
- Direct connections to South Dade Transitway, Dadeland South Metrorail
- Congestion relief & parking relief at Dadeland South Metrorail Station

Village of Palmetto Bay New Transit Service and Station Early 2019 – Anticipated 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 Early 2019 – Anticipated Service



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

On-Demand Service

SMART Supporters All 34 Municipalities!



Miami-Dade Transportation
Planning Organization

Questions & Discussion



**Aileen Bouclé, AICP
Executive Director**

www.MiamiDadeTPO.org



#MiamiSMARTPlan