

2016 Achievements

Table of Contents

Appointment of the Miami-Dade MPO Executive Director	1
Establishment of Permanent MPO Governing Board Committees	1
The SMART Plan	1
2017 Transportation Improvement Program (TIP)	4
2017 Unified Planning Work Program (UPWP)	4
Municipal Grant Program	5
Transportation Alternatives Program	5
Studies Completed	5
Connected & Autonomous Vehicles (CAV)	7
Freight Economy Roundtable	8
Regional Travel Survey for Southeast Florida	8
Copenhagen, Denmark Study Tour	9
Peer Exchanges	9
Participation in Major Activities	10
Environmental Justice, Transportation Disadvantaged, and Educational Activities	10
Social Media and Website Enhancements	10
New Staff	11

Appointment of the Miami-Dade MPO Executive Director

The Miami-Dade Metropolitan Planning Organization (MPO) Governing Board successfully appointed Ms. Aileen Bouclé, AICP, as their new Executive Director. Ms. Bouclé oversees the planning process for Miami-Dade County's complex transportation network, which includes the implementation of policies established by the MPO Governing Board, and directing, managing, and planning for projects and programs that enhance Miami-Dade County transportation. The MPO's five-year Transportation Improvement Program (TIP) is the most robust in the State with over \$7 Billion of proposed transportation improvements representing Intermodal, Highway, Transit, Aviation, Seaport and non-motorized projects.

With over twenty years of public agency and private sector experience, Ms. Bouclé has extensive knowledge and expertise in the transportation planning process, including project development and environment, as well as local, state and federal funding requirements. Ms. Bouclé has advanced federal authorization and grants on numerous transportation projects in Miami-Dade County, including the 95 Express, which significantly increased the usage of commuter express bus service in South Florida. Ms. Bouclé has a Master of Science Degree in Environmental and Urban Systems, with a specialty in Transportation Planning, as well as a Bachelor of Business Administration from Florida International University. She is also a Certified Professional Planner with the American Planning Association Institute of Certified Planners (AICP). In addition, Ms. Bouclé is a graduate of the American Association of State Highway and Transportation Officials (AASHTO) National Transportation Leadership Institute at Indiana University, as well as a graduate of the FDOT Freight Logistics Academy at the University of North Florida.

Establishment of Permanent MPO Governing Board Committees

The Miami-Dade MPO Governing Board passed a Resolution amending Rule 35H- I. I 5 of the Internal Rules of the Miami-Dade MPO establishing three permanent MPO Committees as follows:

- 1. Executive Policy Committee composed of five (5) to seven (7) MPO Board Members;
- 2. Transportation and Mobility Committee composed of seven (7) to nine (9) MPO Board Members; and
- 3. Fiscal Priorities Committee composed of seven (7) to nine (9) MPO Board Members.

The SMART Plan

The Miami-Dade MPO Governing Board officially adopted and endorsed the Strategic Miami Area Rapid Transit (SMART) Plan. The SMART Plan proposes to advance six Rapid Transit Corridors, along with a network system of Bus Express Rapid Transit (BERT) service, in order to implement mass transit projects in Miami-Dade County. Moving forward, the MPO Governing Board directed the Miami-Dade MPO Executive Director to work with the MPO Fiscal Priorities Committee (FPC) to determine the costs and potential sources of funding for Project

Development and Environment (PD&E) studies for the projects, and to also take all necessary steps to implement the SMART Plan.

Over the summer, the Miami-Dade MPO Governing Board approved amendments to the 2040 Long Range Transportation Plan (LRTP) and the Fiscal Year 2017 Transportation Improvement Program (TIP) to include in Priority I the Project Development and Environmental (PD&E) phase for the East-West, South Dade Transitway, and Beach Corridors. With the direction and leadership of the MPO Governing Board, now all six SMART corridors are being advanced through the PD&E process simultaneously. This action now ensures these SMART corridors will be eligible for state and federal funding. Moving forward, stakeholders, including the general public, businesses, and elected officials, will be a part of the PD&E efforts.

Over the fall, the Miami-Dade MPO Governing Board took action approving an amendment to fiscal year 2016 and 2017 Transportation Improvement Program (TIP) to allocate federal funds in the amount of \$7,180,000.00 for activities related to the implementation of the SMART Plan. In addition, the Miami-Dade County Board of County Commissioners (BCC) passed the following resolutions supporting the SMART Plan:

- → <u>BCC Resolution #R-1040-16</u> directing the County Mayor, in consultation with the MPO and partner agencies, to prepare a report for consideration by the Board analyzing the feasibility and effectiveness of utilizing tax increment financing to help fund the SMART Plan transportation infrastructure projects.
- → <u>BCC Resolution #R-1059-16</u> directing the County Mayor, in consultation with the MPO and partner agencies, to evaluate land uses in the unincorporated and incorporated areas within, and within a half-mile of, the corridors designated by the Miami-Dade MPO for the SMART Plan; identify opportunities in those areas to encourage transit-oriented and transit-supportive development; and prepare and submit a report.

The six corridors are now moving through Step 3 Project Development (PD) phase with the following lead agencies:

RAPID TRANSIT CORRIDORS						
CORRIDORS LISTED IN ALPHABETICAL ORDER	FROM	то	LEAD AGENCY			
Beach Corridor	Midtown Miami	Miami Beach Convention Center	DTPW*			
East-West Corridor	Miami Intermodal Center	Florida International University	DTPW			
Kendall Corridor	Dadeland area Metrorail Stations	SW 167 th Avenue	FDOT** District 6			

North Corridor	Martin L. King, Jr. Metrorail Station	NW 215 th Street	FDOT District 6
Northeast Corridor	Downtown Miami	City of Aventura	FDOT District 6 & 4
South Dade TransitWay	Dadeland South Metrorail Station	Florida City	DTPW

*DTPW – Miami-Dade Department of Transportation & Public Works

**FDOT – Florida Department of Transportation

SMART Support

MPO staff has been reaching out to stakeholders to discuss the benefits of the Plan that will increase the mobility of our future population and employment growth. During these discussions, support was garnered from such entities as follows:

- Board of County Commissioners (BCC)
- Citizens Independent Transportation Trust (CITT)
- Citizens Transportation Advisory Committee (CTAC)
- Greater Miami Chamber of Commerce (GMCC)
- Latin Builders Association, Inc. (LBA)
- Miami Beach Chamber of Commerce
- Miami-Dade County League of Cities (MDCLC)
- Miami-Dade Expressway Authority (MDX)
- South Florida Regional Council (SFRC)
- South Florida Regional Transportation Authority (SFRTA)

SMART Outreach

MPO staff has directly interacted with the community with information on the SMART Plan in order to increase awareness and public participation in the process. Residents are being reminded that during the Project Development Phase for each of the six corridors more detailed analysis will be completed in order to determine the most appropriate transit solution for each corridor. Also, project stakeholders, including the general public, businesses, and elected officials, will be engaged during the process. MPO staff has reached out to the following entities to receive input and build community support:

- American Airlines
- Chamber South Transportation Committee
- Coconut Grove Community Advisory Committee
- Community Action Agencies (CAA):
 - Edison
 - Goulds

- Miami Beach
- o Naranja
- Wynwood
- Coral Gables Chamber of Commerce
- Florida Department of Transportation Executive Committee
- Florida International University (FIU)
- Florida Transportation Commission (FTC)
- Gold Coast Chapter of Institute of Transportation Engineers (GCCITE)
- Greater Miami & the Beaches Hotel Association (GMBHA) Monthly Meeting
- Jackson Memorial Hospital North, South, and Main Campuses
- Latin Builders Association, Inc. (LBA) Building Transportation Legislative Breakfast
- Miami-Dade City and County Management Association (MDCCMA)
- Miami-Dade County League of Cities (MDCLC) 6th Annual Best Practices Conference
- Miami NEAT Streets Advisory Committee
- National Association of Women in Construction (NAWIC)
- South Dade Managers Meeting Realtors Commercial Association (RCA) Super Conference
- Richmond Alliance
- United Teachers Stewards

A SMART video was produced to inform and educate the general public on how the Plan came to be and it's next steps moving forward. A series of specific videos are anticipated to be developed for each corridors' unique characteristics and process of development.

2017 Transportation Improvement Program (TIP)

The Miami-Dade MPO Governing Board approved the FY 2017-2021 TIP during their May 19, 2016 meeting. The TIP details the programming of all intermodal, highway, transit, seaport, aviation, commuter rail, and non-motorized transportation projects, totaling over \$7.4 billion, to be implemented during the 2017-2021 fiscal period in Miami-Dade County. The document represents the culmination of a cooperative and comprehensive planning effort that takes place annually aimed at specifying priority solutions to the many transportation needs in our county. In addition a Citizen's Version is developed to accompany the TIP.

2017 Unified Planning Work Program (UPWP)

The Miami-Dade MPO Governing Board approved the FYs 2017 & 2018 UPWP, which describes the transportation planning activities to be managed by the MPO in and for Miami-Dade County. Tasks included in this document are scheduled to be conducted during the fiscal period beginning July 1, 2016 and ending on June 30, 2018. The document outlines the planning projects budget and activities that will support the comprehensive and multimodal transportation improvement program approved for the metropolitan area in the adopted Year 2040 Miami-Dade Long Range

Transportation Plan Update (LRTP). The public is solicited every year to submit ideas to be considered for inclusion in the UPWP through a "Call for Ideas" campaign each fall.

Municipal Grant Program

The Municipal Grant Program (MGP) was developed to have municipalities within Miami-Dade County submit transportation planning proposals to the MPO to receive funding on a competitive basis. Participation in the program requires a minimum 20% funding commitment from the municipality. This past year the following municipalities were selected totaling \$384,000.00 in funding:

- Doral One-Way Street Conversions Study
- Miami Beach Intermodal Hubs Feasibility Study
- North Miami Optimizing NOMI Express Routes
- Doral Trolley Route Expansion Study
- Medley Multimodal Mobility Opportunities Study
- Cutler Bay Complete Streets Corridor Analysis
- Aventura Unified Master Plan for Pedestrian and Bicycle Connectivity
- Miami Lakes Complete Streets Implementation Plan

Transportation Alternatives Program

Each year the MPO solicits projects proposals from eligible sponsors for funding through the Transportation Alternatives Program (TAP). For the 2016 Transportation Alternatives Program (TAP) application cycle, twenty-three projects were submitted to the MPO in the 2016 application cycle. The MPO and FDOT coordinated on the review and prioritization of the project applications. This included technical evaluations, TAP Review Committee scoring, input from the MPO's citizens committees, applicant's presentation and the applicant's history delivering federally-funded projects. Priority projects are being funded to the level of the available funds. In total, seventeen projects totaling \$13M are being requested for approval for inclusion in the 2018 Tentative Work Program. Projects that are eligible for funding through TAP include bicycle and pedestrian facilities, vegetation management, environmental mitigation, and rehabilitation of historic transportation facilities, among others.

Studies Completed

Aerial Cable Transit (ACT) Feasibility Study

This study evaluated feasibility of Aerial Cable Transit (ACT) systems such as Gondola or Gondola Monorail to connect Florida International University (FIU), Miami Intermodal Center (MIC), Marlins Park, Health District, Downtown Miami, and Miami Beach. The study will also include a preliminary evaluation of alternate project delivery mechanisms such as various forms of Public-Private Partnership (P3).

Bicycle Wayfinding System Study

This study developed guidelines for an improved countywide bicycle network by providing an improved bicycle wayfinding system. Bicycle wayfinding includes signage to key destinations, as well as a bicycle route numbering system that allows users to easily navigate the available facilities and travel throughout the county on designated roadways. An improved bicycle wayfinding system may also aid in future facility planning.

City of Miami Beach Boardwalk/Beachwalk Feasibility Study

This study was conducted to improve the quality of pedestrian and bicycle access to existing segments of the Atlantic Greenway Network.

City of Miami Little Havana Bicycle/Pedestrian Mobility Study

The Little Havana Bicycle Pedestrian Mobility Plan will benefit the City of Miami in developing an implementation plan to achieve its complete streets goals and non-motorized mobility objectives in conjunction with the Miami Comprehensive Neighborhood Plan. This will identify a safe, convenient, and accessible series of pedestrian and bicycle facilities and related improvements.

City of North Miami Downtown Multimodal Traffic Circulation Plan

The City of North Miami completed the NE 125th Street Corridor Multi-Modal Improvements Study to objectively evaluate options for multi-modal mobility, access, and safety improvements for approximately one half of a mile of the NE 125th Street Corridor between NE 6th Avenue and NE 10th Avenue.

City of South Miami Pedestrian Safety and Mobility Infrastructure Implementation Plan – Complete Streets Manual

This study solicited public involvement to develop policies that would implement the City of South Miami's efforts to enhance its transportation system and mobility choices for residents and visitors. Final "Complete Street" policies involve the integration of all aspects of mobility, including vehicular, bicycle, pedestrian and transit.

CSX East-West Rail Feasibility Study

This study evaluated and assessed the feasibility of implementing premium passenger rail service primarily along the existing CSX corridors east-west segment (Lehigh Spur) to serve the western portions of Miami-Dade County.

Countermeasures for Bicycle/Pedestrian High Crash Locations Study

This study develops countermeasure strategies for locations where traffic crashes involving pedestrians and cyclists have occurred and facilitate a process for continuing non-motorized safety monitoring analysis and improvements.

Guidelines for Municipal Transit Programs in Miami-Dade County

This study provides basic service and design guidelines for various Municipal Transit Programs (MTP) in Miami-Dade County to facilitate safe, secure, reliable, attractive, efficient, and integrated transit services.

Non-Motorized Network Connectivity Plan

The Miami-Dade Non-Motorized Network Connectivity Plan aimed to identify and fill critical gaps in the County's non-motorized transportation network.

Public-Private Partnership Roadmap to Project Implementation Study

Using Public-Private Partnerships (P3) to deliver transportation infrastructure can offer a number of advantages to a sponsoring agency. Included are the ability to use additional financial resources plus operating efficiencies provided by the private sector to expedite developing and preserving public infrastructure.

Regional Bicycle Route Planner Study

This study developed several extensions and data updates for the Bicycle Route Planner (BiKE).

Reversible Lanes along Thoroughfares Study

The objective of this study was to identify potential thoroughfares in Miami-Dade County where a reversible lanes system could be successfully implemented and to evaluate the feasibility of implementing said system, particularly during peak commute travel times with the intent of addressing traffic congestion in a cost-effective manner. The two corridors chsen were

Snapper Creek Trail Segment B Master Plan

This study developed a viable concept for a non-motorized connection generally following the Snapper Creek Canal right-of-way between the K-Land Park (9475 SW 88 Street) and the Red Road Linear Park at SW 57th Avenue and SW 88th Street.

Connected & Autonomous Vehicles (CAV)

Autonomous Vehicle Exhibition

The Miami-Dade MPO held a one-day event in the lobby area of the Stephen P. Clark Government Center in Downtown Miami showcasing the Florida Department of Transportation, Embry-Riddle Aeronautical University, and the University of South Florida's autonomous vehicle (AV) "Plan B" and AV simulator. During the morning, a Transportation Fair complemented the AV Exhibition with participation from our various transportation partners. Then, in the afternoon, the Miami-Dade MPO Governing Board meeting continued in the lobby area where participants were addressed and educated about AV by MPO Chairman Jean Monestime, Miami-Dade County Mayor Carlos Gimenez, Miami-Dade MPO Executive Director Aileen Bouclé, and FDOT Assistant Secretary Brian Blanchard. After the ceremony and adjournment of the meeting, MPO Members and the general public viewed "Plan B" and tested out the AV simulator.

CAV Task Force

Out of the successful impleentaion of the AV Exhibition, the Miami-Dade MPO Governing Board passed a resolution tasking the Miami-Dade MPO Executive Director with forming a Task Force to explore CAV opportunities in Miami-Dade County. The first meeting was held in September with the mission to enhance interagency dialogue and collaboration, and to facilitate CAV project development and deployment within Miami-Dade County. Members from applicable local transportation agencies attended alongside businesses from the private sector including: Ford Motor Company Innovation Lab, Intelsat, Kymeta Corporation, Lear Corporation, Local Motors, NuTonomy, Inc., and Assurant. Future CAV Task Force meetings are being held in 2017 to continue the important discussion of developing CAV pilot projects in our county.

CAV Working Group

A partnership has developed between the Miami-Dade Metropolitan Planning Organization (MPO), Miami-Dade's Department of Transportation and Public Works (DTPW), Florida Department of Transportation (FDOT) District Six, Miami-Dade Expressway Authority (MDX), and Florida International University (FIU) to work on developing CAV technologies in Miami-Dade County. The Miami-Dade MPO Governing Board passed a resolution "supporting the Miami-Dade County Department Of Transportation And Public Works (DTPW) application for designation as participant in the United States Department of Transportation (USDOT) Automated Vehicle "Proving Grounds" Pilot Program. As a result, the CAV Working Group submitted a grant proposal to the USDOT to establish a Proving Ground for the safe and secure testing, deployment and operation of CAV technologies in Miami-Dade County, while providing new management tools for its leaders to increase predictability and economic prosperity, enhance the quality of life, improve road user safety and experience, and move toward a sustainable future.

Freight Economy Roundtable

The Miami-Dade MPO, with USDOT Secretary Anthony Foxx and Federal Highway Administration (FHWA) Administrator Gregory G. Nadeau, held the "Administrator's Beyond Traffic Roundtable", which was held to discuss issues related to Miami-Dade County's freight economy. FHWA has been holding regional, policy-specific roundtables with state and local transportation representatives, the business community, safety and environmental advocates, and freight stakeholders. The roundtables are a platform to discuss national, state and local freight economic opportunities and impacts, including elements of national and state freight plans and related performance measures. This was an opportunity to share ideas, insights and experiences to improve freight movement nationally and in our region.

Regional Travel Survey for Southeast Florida

A select number of households located throughout Palm Beach, Broward, and Miami-Dade Counties will be randomly contacted by mail to participate in the Regional Travel Survey sponsored by the Southeast Florida Transportation Council (SEFTC). Whether you travel from

place to place by car, train, bus, bicycle or any other mode, participation in this study will inform the transportation decisions made over the years to come.

The survey begins data collection in mid-September and will continue through the early part of 2017. Participation is easy and voluntary, and information collected is strictly confidential and secure.

Copenhagen, Denmark Study Tour

This October teams from nine Knight communities joined an annual study tour of Copenhagen, Denmark, supported by the Knight Foundation. For five days, 27 civic leaders and innovators visited the Danish capital, a city that consistently ranks in the top five of the most livable cities in the world. Among the tour participants, they experienced how Copenhagen designs and programs its parks and other public spaces to attract residents and will explore how well the city accommodates both pedestrians and bicyclists. The study tour is an annual event organized by 8-80 Cities, a nonprofit that focuses on creating "more vibrant, healthy, and equitable communities." This year's teams represented the cities of Miami, Tallahassee and West Palm Beach, Florida; Detroit, Michigan; Duluth, Minnesota; Macon, Georgia; Milledgeville, Georgia; Philadelphia, Pennsylvania; and San Jose, California.

Co-hosted the FDOT Intermodal Systems Development (ISD) Team

The Miami-Dade MPO, FDOT D6, and the Miami-Dade Department of Transportation & Public Works (DTPW) joined together to co-host the FDOT's ISD Team over a two day site visit in Miami. The team is comprised of staff from the seven FDOT Districts around the State of Florida, along with staff from FDOT Central, including Jim Wood and Gerard O'Rourke, Chief State Planner and Freight Logistics and Passenger Operations Administrator, respectively. The tour was packed with site visits utilizing Metrorail, Metrobus, and Metromover to PortMiami, the Port Tunnel, the SR 826/SR 836 Interchange project, the NW 25th Street Viaduct project, the Miami Intermodal Center (MIC), Miami International Airport (MIA), the MiamiCentral Brightline Station, the Underline, the 95 Express Lanes, the Miami River Walk, and the MPO Governing Board meeting. The group toured and viewed major developments, and experienced, first hand, the challenges and opportunities of mobility management in the most populous and urbanized area of the state.

Peer Exchanges

- San Diego's Regional Planning Agency (SANDAG)
- San Diego Metropolitan Transit System (MTS)
- San Francisco Metropolitan Transportation Commission (MTC)
- Houston Galveston City Council
- Atlanta Regional Commission (ARC)
- Metropolitan Atlanta Rapid Transit Authority (MARTA)

- Denver Regional Council of Governments (DRCOG)
- Denver Regional Transportation District (RTD)
- New York Metropolitan Transportation Council (NYMTC)

Participation in Major Activities

- Age-Friendly Workshop
- Bike 305's "Bike to Work" Event
- Bike Friendly Miami-Dade
- Chamber South's "Transportation Solutions Breakfast"
- City of Doral Grand Opening of NW 97 Avenue
- Florida Department of Transportation's (FDOT) "Trade and Logistics Academy"
- FDOT Intermodal Systems Development (ISD) Team Touring Event
- North American Traffic Monitoring Expo and Conference
- PARK(ing) Day Miami
- "Put it Down" Campaign
- Public Transit Day (Inaugural)
- Snapper Creek Trail Segment B Master Plan Public Meeting
- South Florida Transportation Safety Event
- Town Hall Meeting for the South Dade Busway
- Walk to School Day Event at Country Club Middle School
- Walk to School Day Event Miami Lakes K-8
- WLRN Topical Currents "Miami-Dade Traffic And Transit Issues And How Road Projects Are Coordinated And Managed"

Environmental Justice, Transportation Disadvantaged, and Educational Activities

- Highlighted in Federal Highway Administration's (FHWA) Fostering Livable Communities Newsletter
- Presented during an Environmental Justice (EJ) Tools Peer Exchange Webinar
- Assisting the Miami-Dade County Transportation Disadvantaged (TD) Program
- Supporting FDOT District Six's Aggressive Driving Awareness Campaign
- Supporting DTPW and PAXY's "Wake Up Miami! Musical Interlude"

Social Media and Website Enhancements

- Facebook, Twitter, YouTube, Instagram, SlideShare, Texting Service available
- Incorporated the live Twitter feed on the website's homepage
- Maintaining over 1,000 documents on the website, which are a library accessed by users nationally

 Added new program webpages to grow the site, such as: the SMART Plan, the CAV Program, and the Freight & Logistics Planning Program

New Staff

Regina Serrano

Ms. Serrano serves as the MPO's Special Projects & Community Outreach Coordinator. She is a communications and civic engagement specialist, with over 20 years of experience providing outreach in both the private and public sector. As former staff to elected officials, Ms. Serrano has excellent working relationships with federal, state, and local officials, and the leadership of community base organizations throughout South Florida. Relying on her network of community contacts, she will promote awareness of the Miami-Dade MPO's Strategic Miami Area Rapid Transit (SMART) Plan and other high impact transportation projects. She will also develop special events to increase public involvement in the planning processes and share the vision of the MPO Governing Board.

Maria Teresita Vilches-Landa

Ms. Vilches-Landa serves as the MPO's Transit and Regional Manager. In her current position, she is working in the advancement of the Miami-Dade MPO's Strategic Miami Area Rapid Transit (SMART) Plan. She will also be involved in the update and maintenance of the state-of-the-art transportation model for the region using the Southeast Regional Planning Model (SERPM). She has worked in the Transportation field for over 17 years in both the private and public sector. Ms. Vilches-Landa graduated from Florida International University with a Bachelor in Science in Civil Engineering and a Master in Science in Environmental Engineering and is a registered Professional Engineer.

Vivian G. Villaamil, J.D.

Ms. Villaamil serves as the MPO's Governmental Affairs Analyst. She coordinates closely with federal, state, and local agencies to help advance transportation mobility in Miami-Dade County, with an emphasis on the Strategic Miami Area Rapid Transit "SMART" Plan. She has over thirty years of experience in various planning disciplines, including transportation and land use. She has worked in the private sector and for the past twenty-one years with Miami-Dade County Public Schools where she served as the intergovernmental liaison and was instrumental in promoting pedestrian and bicycle safety initiatives, including the Safe Routes to School Program. Ms. Villaamil has a Juris Doctor Degree from the University of Miami.

Bradley Woodson

Mr. Woodson serves as the MPO's Intergovernmental Affairs Coordinator. He formerly worked for Chairman Jean Monestime's office compiling detailed reports for current and future projects at Miami International Airport, PortMiami, and the transportation infrastructure within Miami-Dade County. Mr. Woodson will now be working with the grant application process for Miami-Dade MPO projects, specifically within the Core Capacity funding sector. He will be performing

research for potential projects within municipalities around the country. Mr. Woodson graduated with his Bachelor's Degree in Public Administration from University of Central Florida.