Rules of the Road

- This virtual workshop is being recorded.

- All attendees will remain muted throughout the workshop.

- Attendees can submit any questions/comments using the Zoom Webinar chat feature throughout the workshop.

- If you experience technical difficulties, please contact 1-800-418-0524 so that a technical support team member can assist you.

Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.

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SMART M.A.P. 2050 LRTP
Pop-Up Outreach Event

Miami Dade College, Medical Campus
Public Safety Day Event

SMART M.A.P. 2050
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Today's Conversation Roadmap
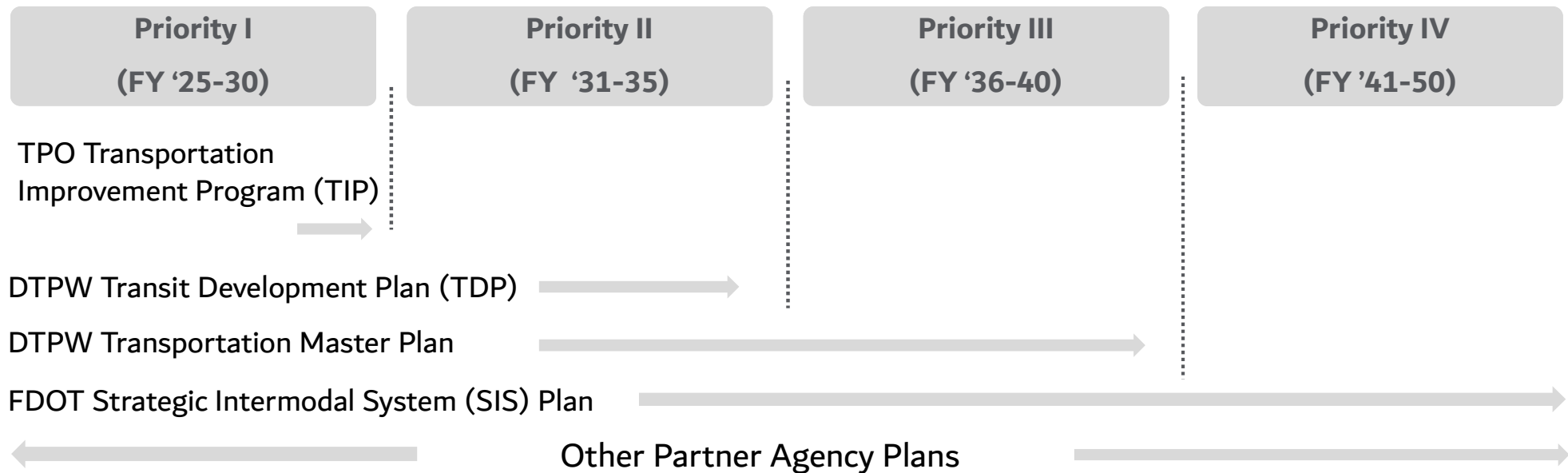
- What is the Long Range Transportation Plan?
- Goals & Objectives Development
- Congestion Management
- Need Planning
- Scenario Planning
- How do we stay involved in this process?
- Final Question & Closing Remarks

Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.

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What is the LRTP?

- Federally mandated for Metropolitan Planning Organizations (MPOs) with populations of >50K residents
- Minimum 20-year horizon, updated every 5-years
- Performance – Driven & Outcome-Based

2050 LRTP Cost Feasible Plan

Priority I (FY '25-30)	Priority II (FY '31-35)	Priority III (FY '36-40)	Priority IV (FY '41-50)

TPO Transportation Improvement Program (TIP)

DTPW Transit Development Plan (TDP)

DTPW Transportation Master Plan

FDOT Strategic Intermodal System (SIS) Plan

Other Partner Agency Plans

Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.

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PERFORMANCE

Goals & Objectives

SMART M.A.P. 2025
Mobility. Accessibility. Prosperity.

MIAMI-DADE TRANSPORTATION PLANNING ORGANIZATION

LONG RANGE TRANSPORTATION PLAN

Goals & Objectives Development

Goals & Objectives Development Process

Step 1: Developed Goals based on Public Outreach and LRTP Steering Committee input

Step 2: Organized Goals by 2050 LRTP Themes

Step 3: Developed supporting Objectives by mode

Step 4: Vetted Goals & Objectives against 2045 Goals & Objectives and federal requirements

SMART 2050 M.A.P. 5
Mobility. Accessibility. Prosperity.

By 2050 Miami-Dade County's Transportation System will include:

Expanded • Enhanced • Emerging Technologies

E-Mass SMART Transportation
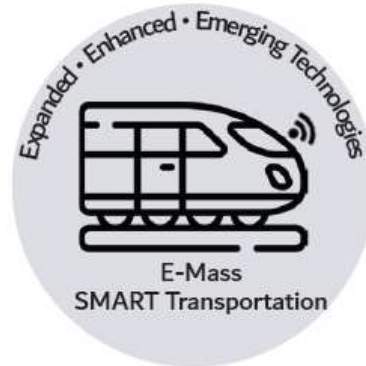
Goals and objectives related to improving and expanding E-mass transit, which includes transit and related technological advances.

Bicycle/Pedestrian/Micromobility

Goals and objectives related to improving and expanding multimodal access to transit and expanding the network of bicycle and pedestrian facilities.

Highway Freight

Goals and objectives related to the smooth functioning of the highway system and the flow of freight traffic.

SMART M.A.P. 2050 LRTP
Goals & Objectives

Congestion Management

Miami-Dade County
Quick Facts

2.7 Million — 2020
3.3 Million — 2050

1.4 Million — 2020
1.8 Million — 2050

ETHNICITY[5]

Hispanic/Latino	1,843,676 (68.14%)
Non-Hispanic/Latino	861,852 (68.14%

INCOME[5]

2020 Median Household Income	$60,938

EDUCATION[5]

No High School Diploma	381,899 (17.73%)
High School Diploma	580,492 (26.96%)
Bachelor's Degree	393,167 (18.26%)
Masters or PhD or Professional Degree	221,013 (10.26%)

COMMUTE

Average Commute Time[5]	29.6 minutes
Lane Miles[6]	19,362 miles
Roadway Miles[6]	9,375 miles
Zero Car Households[5]	90,752 (10.06%)
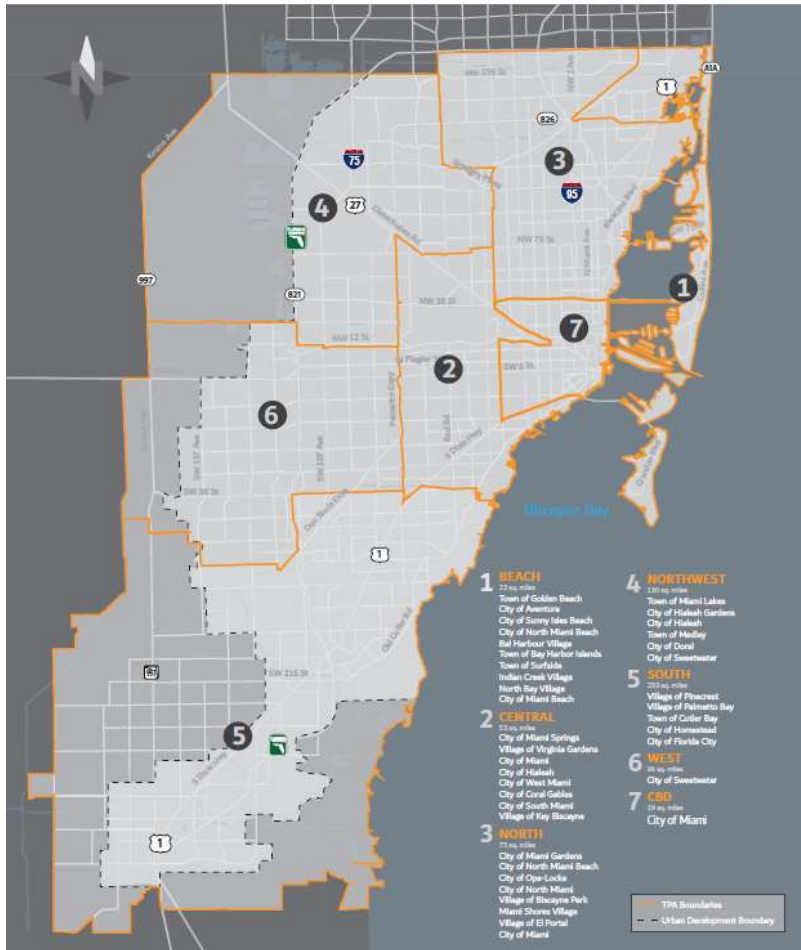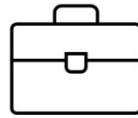
AGE[5]

Average Age	40.67
Under 18	552,057 (20.40%)
18 to 65	1,713,268 (63.32%)
Over 65	440,203 (16.27%)

RACE[5]

White	1,783,928 (65.94%)
Black/African American	457,814 (16.92%)
Native American	5,273 (0.19%)
Asian	43,192 (1.60%)
Other	415,321 (15.35%)

Sources: 2020 US Census and TPO Socioeconomic Forecast Data

1 BEACH
22 sq. miles
Town of Golden Beach
City of Aventura
City of Sunny Isles Beach
City of North Miami Beach
Bal Harbour Village
Town of Bay Harbor Islands
Town of Surfside
Indian Creek Village
North Bay Village
City of Miami Beach

2 CENTRAL
33 sq. miles
City of Miami Springs
Village of Virginia Gardens
City of Miami
City of Hialeah
City of West Miami
City of Coral Gables
City of South Miami
Village of Key Biscayne

3 NORTH
75 sq. miles
City of Miami Gardens
City of North Miami Beach
City of Opa-Locka
City of North Miami
Village of Biscayne Park
Miami Shores Village
Village of El Portal
City of Miami

4 NORTHWEST
130 sq. miles
Town of Miami Lakes
City of Hialeah Gardens
City of Hialeah
Town of Medley
City of Doral
City of Sweetwater

5 SOUTH
203 sq. miles
Village of Pinecrest
Village of Palmetto Bay
Town of Cutler Bay
City of Homestead
City of Florida City

6 WEST
34 sq. miles
City of Sweetwater

7 CBD
19 sq. miles
City of Miami

TPA Boundaries
Urban Development Boundary

Population and Employment Growth & Travel Delay

SMART M.A.P. 2 5
Mobility. Accessibility. Prosperity.

Miami-Dade County Congestion Map

Travel Time Index (TTI) for AM Peak
- TTI < 1.5
- TTI = 1.5 to 2.0
- TTI = 2.1 to 3.0
- TTI > 3.0

Socio-Economic Change (2020 to 2050) by Traffic Analysis Zone
- Population plus Employment No Change
- Population plus Employment Increase (0 - 100)
- Population plus Employment Increase (101 - 1000)
- Population plus Employment Increase (> 1000)

I-75

SR 826

I-95

Florida Turnpike

SR 826

SR 934

US 1

SR 836

US 41

US 41

Population and Employment Growth & Travel Delay

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US 41

US 41

Downtown Miami

I-195

I-95

I-395

US 41

SR 997

Miami-Dade County Congestion Map

Travel Time Index (TTI) for AM Peak
— TTI < 1.5
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Socio-Economic Change (2020 to 2050) by Traffic Analysis Zone
Population plus Employment No Change
Population plus Employment Increase (0 - 100)
Population plus Employment Increase (101 - 1000)
Population plus Employment Increase (> 1000)

Sources:
Travel Time Index (Urban SDK)
2020 Population and Employment (US Census)
2050 Population and Employment (Miami-Dade TPO)

18

Miami-Dade County Congestion Map

— Bike Lanes
— Sidewalks
— Greenways and Trails

Multimodal Network Connectivity

Miami-Dade County Congestion Map
— Bike Lanes
— Sidewalks
— Greenways and Trails

Sources:
Bike Lanes (FDOT and Miami-Dade County)
Sidewalks (FDOT)
Greenways and Trails (FDOT)

Downtown Miami

SMART 2 5
M.A.P.
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High Frequency Transit

Miami-Dade County Congestion Map

SMART Corridors (1/2 Mile Buffer)

Transit Routes (with a minimum headway of 30 mins or less)

High Frequency Transit

Downtown Miami

Miami-Dade County Congestion Map

SMART Corridors (1/2 Mile Buffer)

Transit Routes (with a minimum headway of 30 mins or less)

Sources:
SMART Corridor (Miami-Dade County)
Transit Routes (DTPW)

Miami-Dade County Congestion Map

SMART M.A.P. 25
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Congestion Management Analysis

- Population + Employment Growth
- Multimodal Networks
- High Frequency Transit

Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.

Downtown Miami
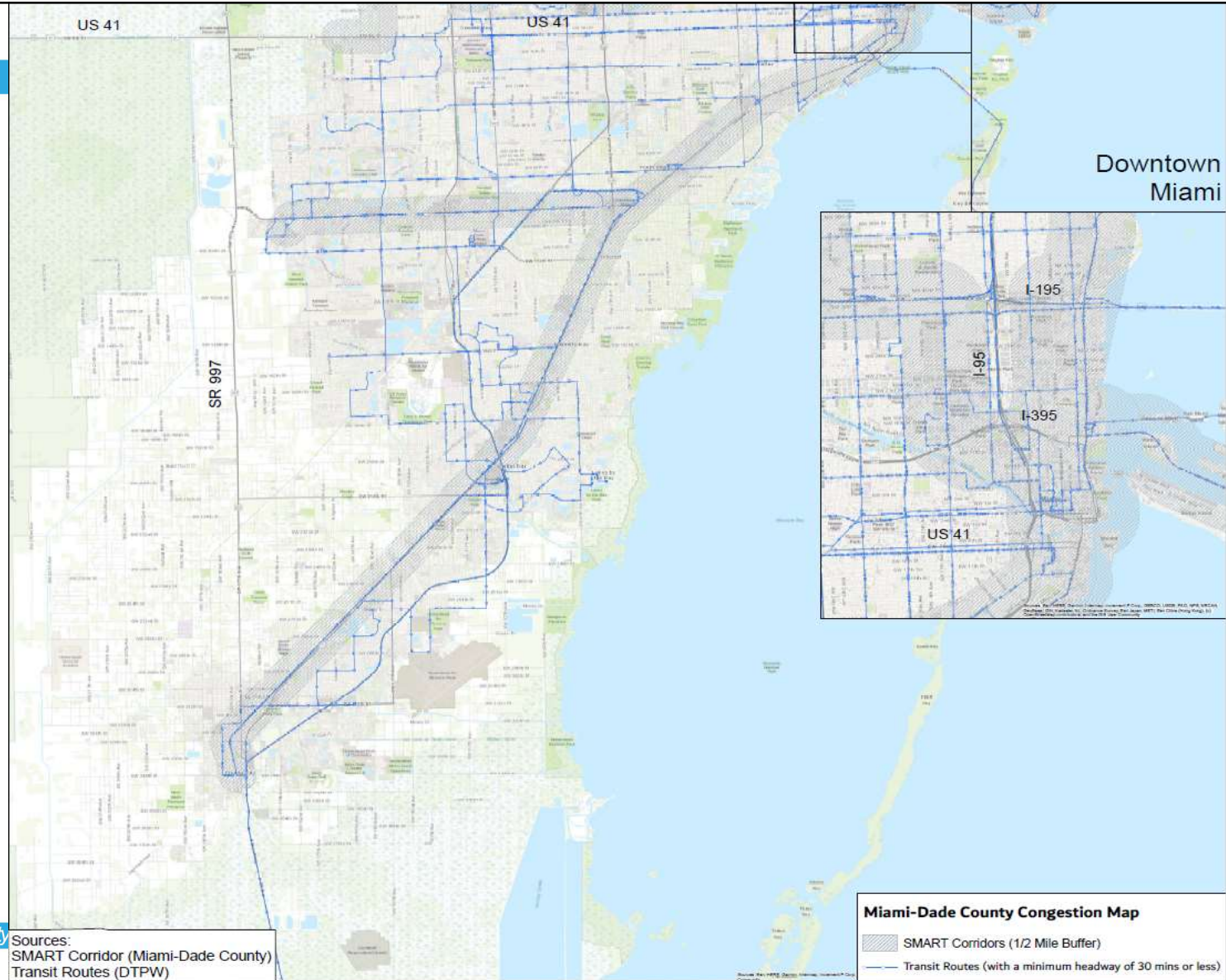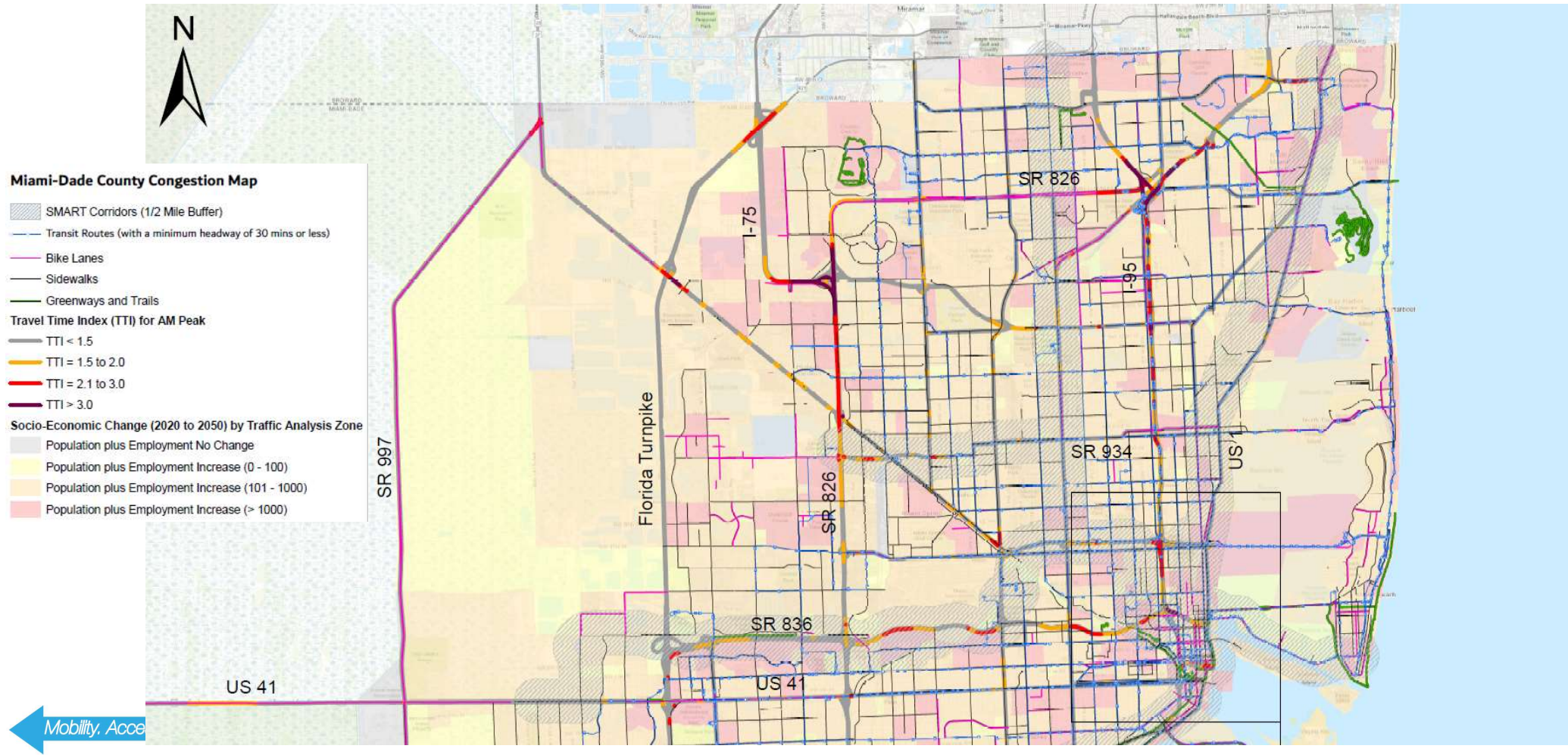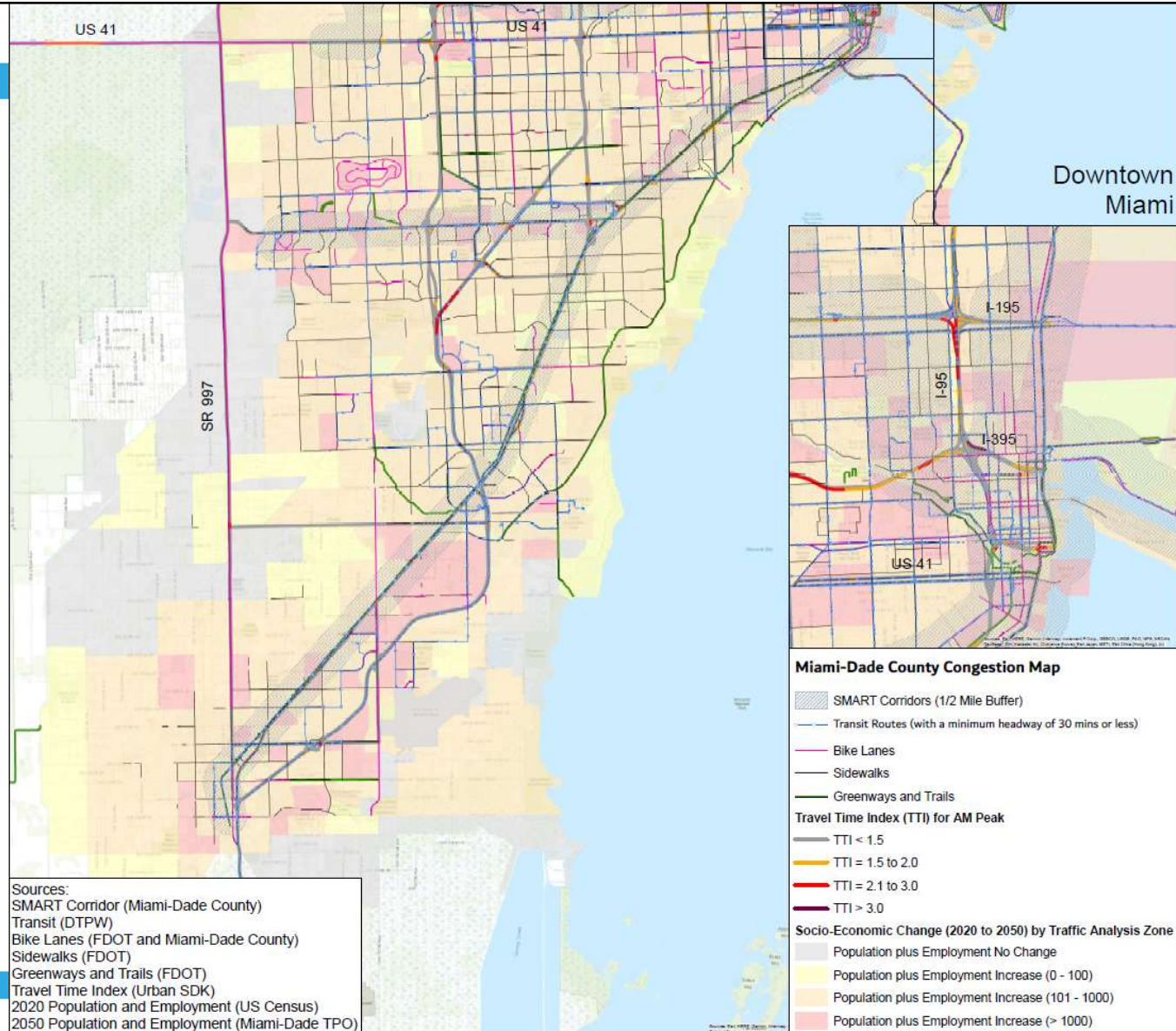
Miami-Dade County Congestion Map

- SMART Corridors (1/2 Mile Buffer)
- Transit Routes (with a minimum headway of 30 mins or less)
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- Sidewalks
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Travel Time Index (TTI) for AM Peak

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Socio-Economic Change (2020 to 2050) by Traffic Analysis Zone

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- Population plus Employment Increase (> 1000)

Sources:
SMART Corridor (Miami-Dade County)
Transit (DTPW)
Bike Lanes (FDOT and Miami-Dade County)
Sidewalks (FDOT)
Greenways and Trails (FDOT)
Travel Time Index (Urban SDK)
2020 Population and Employment (US Census)
2050 Population and Employment (Miami-Dade TPO)

Needs Plan

What's in the Needs Plan?

Current and future transportation needs

No financial constraints

Projects feed into the Cost Feasible Plan

Join at

slido.com
#2050LRTPVCW2

Rank which mode of transportation needs the most funding or investment in the future?

A. Bicycle/Pedestrian Infrastructure

B. Transit (Buses, trolleys, Metromover, Metrorail, Commuter Passenger Rail)

C. Airport/Seaport

D. Freight (Highway & Railroad)

Rank which type of bicycle infrastructure would you like to see implemented the most in Miami-Dade County?

A. Trails and Greenways

B. Protected Bicycle Lanes

C. Conventional Bicycle Lanes

D. Shared Use Paths

Rank the type of improvements needed for transit to be more accessible?

A. Improved bus, trolley, Metromover, Metrorail, and Passenger Rail frequency

B. More transit coverage and better routes

C. Improved buses and trolley stops/shelters.

D. Cleaner buses, trolleys, as well as Metromover and Metrorail train cars
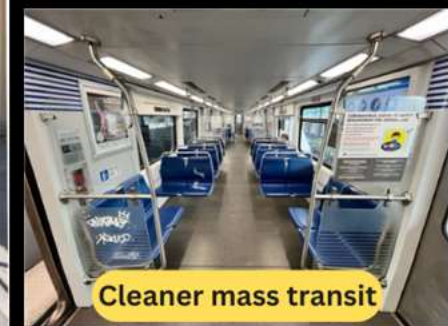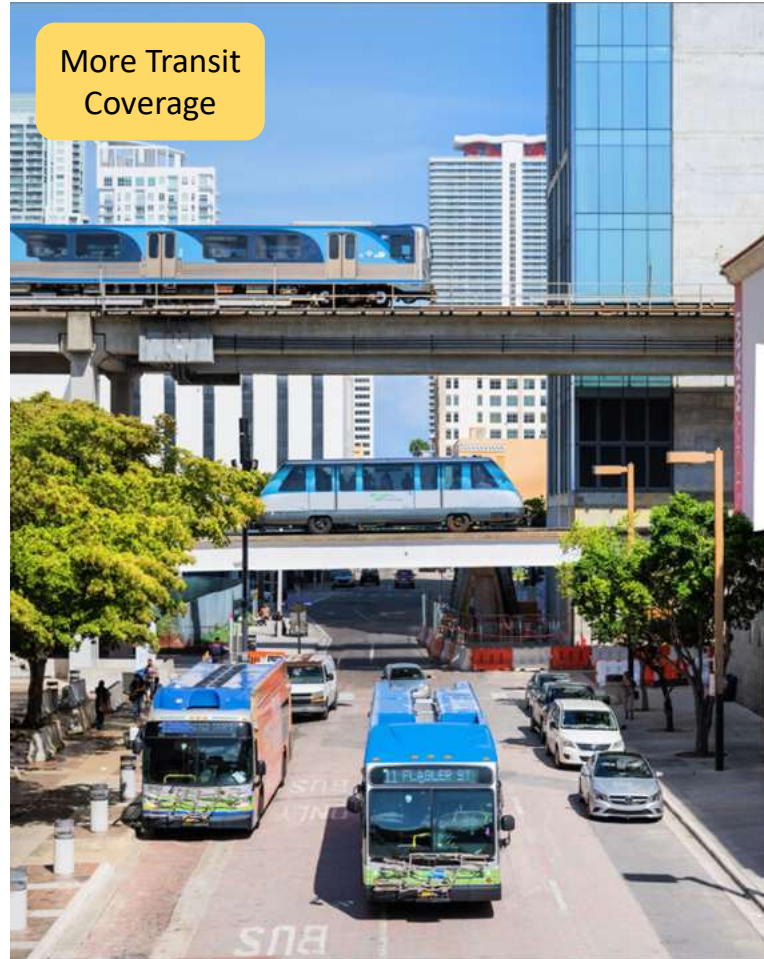
Rank which emerging technologies do you think require most attention in the future?

A. Autonomous Vehicles (AVs)

B. Electric Vehicles (EVs) and charging stations

C. Drone deliveries

D. Smart Freight
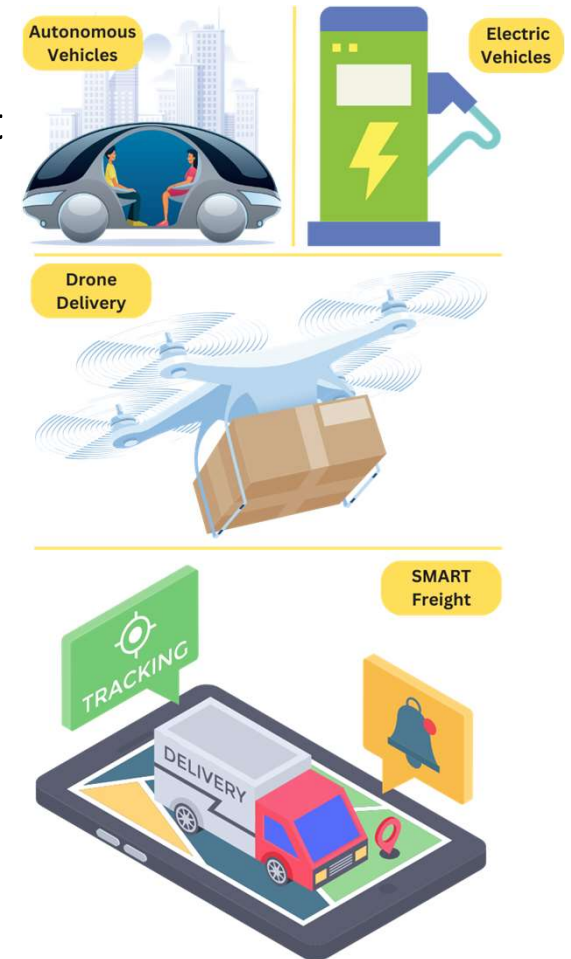
Rank the freight improvements are necessary to make Miami-Dade County more competitive?

A. Truck Parking

B. Warehousing Districts

C. Better Railway Access and Connections to Airports/Seaports

D. Improvements at Railyards and Distribution Centers

https://arcg.is/1vSzSq

Scenario Planning

What is Scenario Planning?

Identify key future trends and uncertainties.

2.7 Million	2020	
3.3 Million	2050	

1.4 Million	2020	
1.8 Million	2050	

What is Scenario Planning?

Identify key future trends and uncertainties.

Analyze the potential impacts on the transportation system.

Miami-Dade County by Transportation Planning Area

- ▨ SMART Corridors (1/2 Mile Buffer)
- — Transit Routes (with a minimum headway of 30 mins or less)
- — Bike Lanes
- — Sidewalks
- — Greenways and Trails

Travel Time Index (TTI) for AM Peak
- — TTI < 1.5
- — TTI = 1.5 to 2.0
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Socio-Economic Change by Traffic Analysis Zone
- Population plus Employment No Change
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- Population plus Employment Increase (> 1000)

SMART 2 5 M.A.P.
Mobility. Accessibility. Prosperity.

Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.

What is Scenario Planning?

Identify key future trends and uncertainties.

Analyze the potential impacts on the transportation system.

Develop a set of plausible future needs that address these trends and uncertainties.

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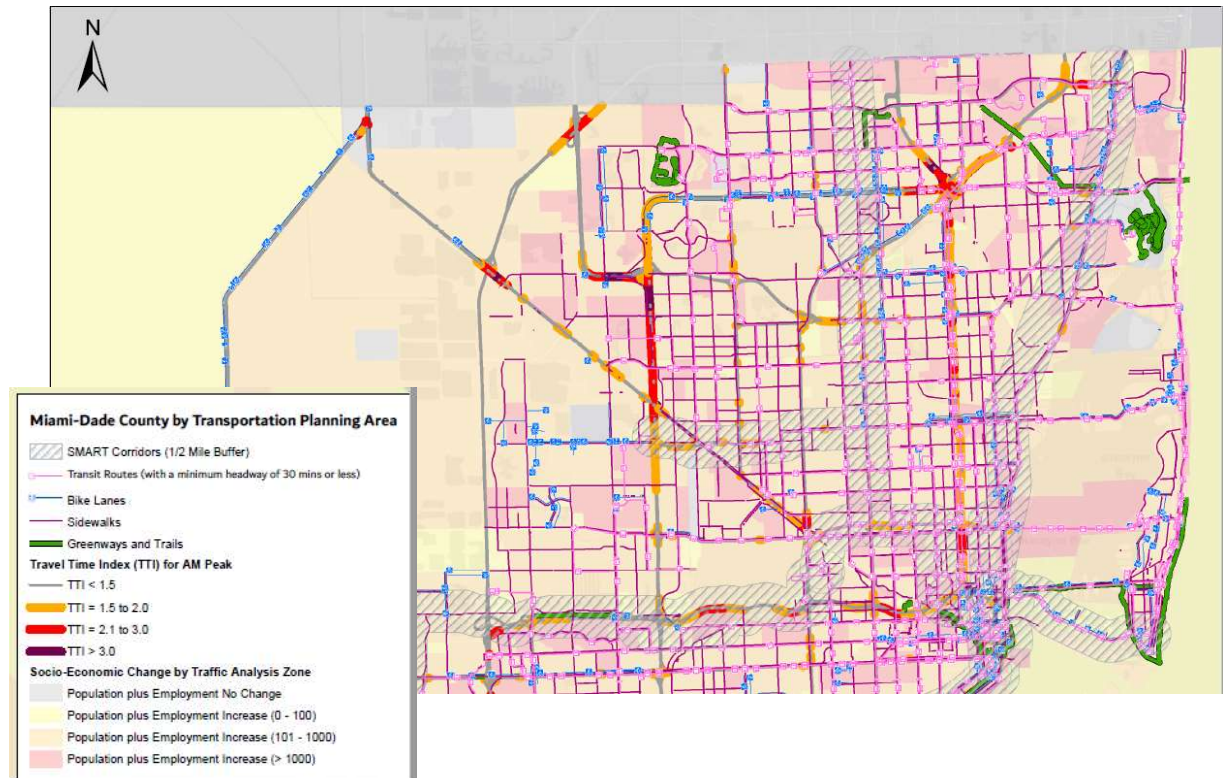
Identify strategies for adapting to change.

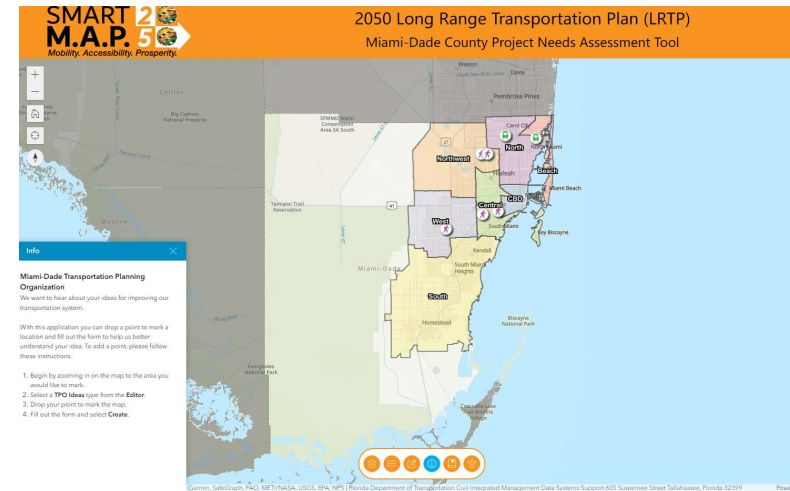# What is Scenario Planning?

Identify key future trends and uncertainties.

Analyze the potential impacts on the transportation system.

Develop a set of plausible future needs that address these trends and uncertainties.

Identify strategies for adapting to change.

Develop a shared vision for the future.

Overarching Strategies for Miami-Dade's Future

Planning efforts will consider:

- Equity
    Access for all communities, incomes, ages, and abilities

- Telework
    Where possible, people will continue to work remotely

- Infrastructure Vulnerability
    Future affects of sea level rise, extreme heat, etc. on transportation system

SMART 20
M.A.P. 5
Mobility. Accessibility. Prosperity.

EXISTING PLUS COMMITTED	2045 COST FEASIBLE	SMART STEP	SMART PROGRAM PLUS	SMART FREIGHT	SMART TECH

PRESUMED FUNDING LEVELS

Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.

Scenario 1:
Existing + Committed (E+C)

KEY CONSIDERATIONS:

- In 2050, our economic resources are consistent with forecasted levels.
- We are able to maintain existing facilities plus the projects that have construction funds **committed through 2028** (last year of currently adopted TIP).

Scenario 2:
2045 Cost Feasible

KEY CONSIDERATIONS:

- In 2050, our economic resources are consistent with forecasted levels.
- We can advance the projects committed in the E+C scenario, **and the SMART Program projects listed in the 2045 Cost Feasible Plan.**

Scenario 3
SMART STEP

KEY CONSIDERATIONS:

- In 2050, our economic resources are consistent with forecasted levels.

- We can advance the projects committed in the E+C scenario, and the SMART Program projects listed in the 2045 Cost Feasible Plan.
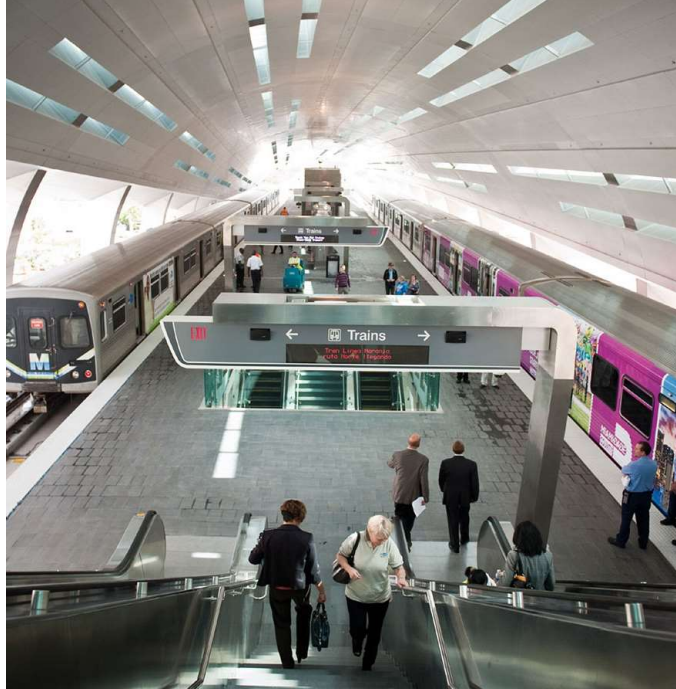
- **We can identify and allocate funding to the next generation of SMART STEP projects focusing on the first/last mile.**

Scenario 4
SMART Plus

KEY CONSIDERATIONS:

- In 2050, our economic resources are consistent with forecasted levels.

- We can advance the projects committed in the E+C scenario, and the SMART Program projects listed in the 2045 Cost Feasible Plan.

- **We can identify and allocate funding to the next generation of SMART Plus projects, focusing on e-mass transit.**

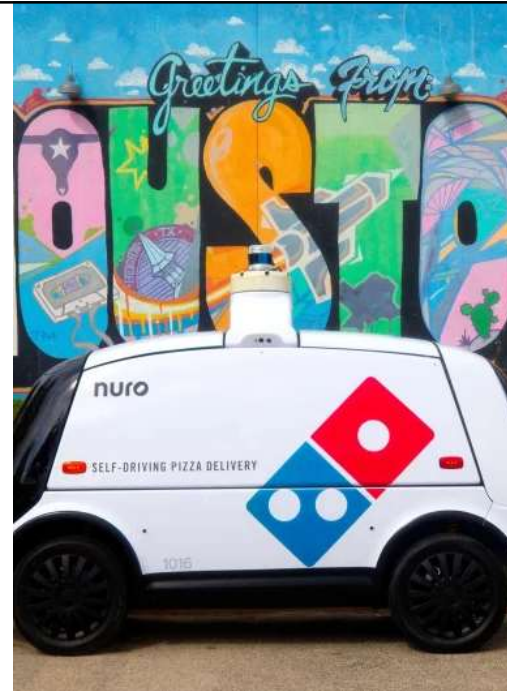## Scenario 5
SMART Freight

KEY CONSIDERATIONS:

- In 2050, our economic resources are consistent with forecasted levels.

- We can advance the projects committed in the E+C scenario, and the SMART Program projects listed in the 2045 Cost Feasible Plan.

- **We can identify and allocate funding to SMART Freight projects focusing on safe roads and expedited freight delivery.**

Scenario 6
SMART Tech

KEY CONSIDERATIONS:

- In 2050, our economic resources are consistent with forecasted levels.
- We can advance the projects committed in the E+C scenario, and the SMART Program projects listed in the 2045 Cost Feasible Plan.
- **We can identify and allocate funding to new SMART Tech projects focusing on implementation of innovative transportation technology.**

SMART 2045
M.A.P.
Mobility. Accessibility. Prosperity.

EXISTING PLUS COMMITTED

2045 COST FEASIBLE

SMART STEP

SMART PROGRAM PLUS

SMART FREIGHT

SMART TECH

Tell us your ideas for the future of Miami-Dade County's Transportation System at upcoming events!

Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.   Mobility. Accessibility. Prosperity.

PAST ADOPTED PLANS

Adopted 2010

Adopted 2015

Adopted 2020

2050 RTP VISION

ADVANCING THE REGION.

A RTP that **addresses the changing needs** of our region including **emerging technologies, resilient infrastructure, ensuring transit supportive land uses**, and **more transportation options** providing access to desired destinations.

This Plan will summarize **regional needs,** gather support for **adopted policies,** and refine the **blueprint for implementation**. The RTP advocates for a **flexible and equitable reallocation of funds** to implement the priorities of the region.
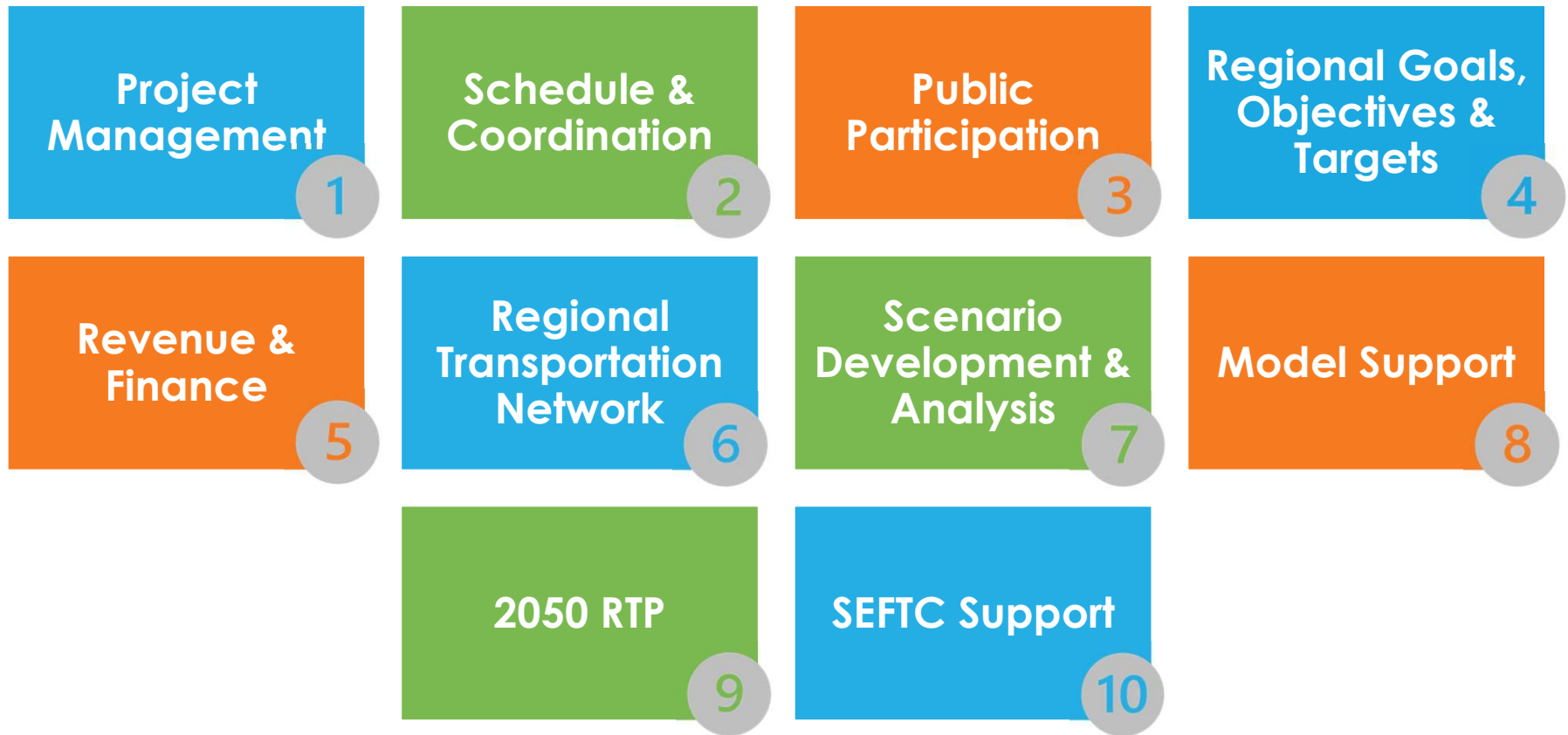
2050

PARTICIPATING MPOS / FUNDING AGENCIES

TPO — Miami-Dade Transportation Planning Organization

Broward MPO — Metropolitan Planning Organization

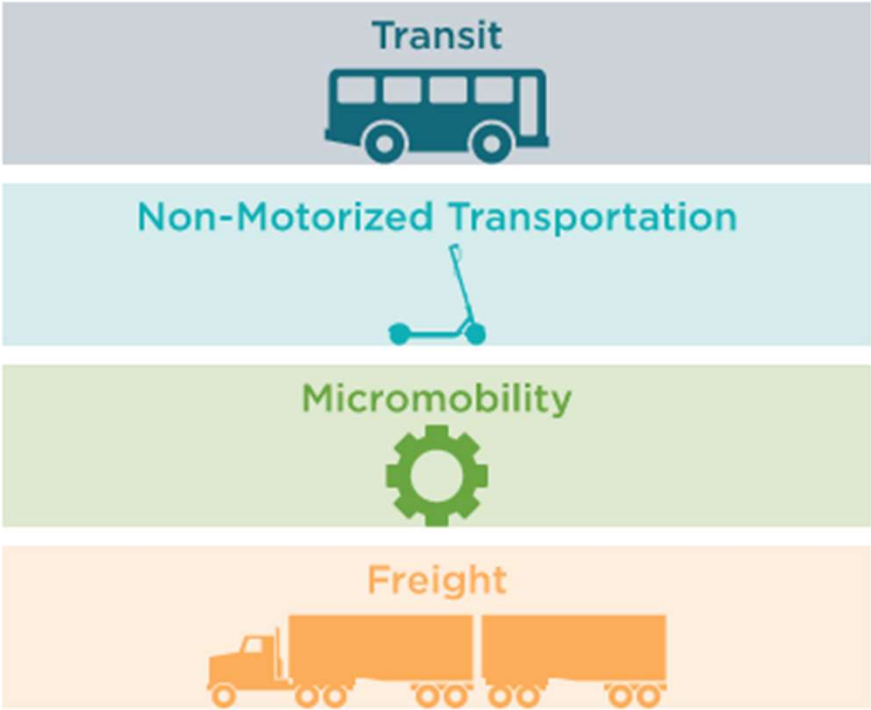**PALM BEACH** Transportation Planning Agency

Other Advisory Agencies

- Florida Department of Transportation (FDOT) Districts 4 and 6

- South Florida and Treasure Coast Regional Planning Councils (SFRPC & TCRPC)

- South Florida Regional Transportation Authority (SFRTA)

- Miami-Dade County Department of Transportation & Public Works (DTPW)

- Broward County Transit (BCT)

- Palm Tran

2050

SCOPE OF WORK

Project Management 1	**Schedule & Coordination** 2	**Public Participation** 3	**Regional Goals, Objectives & Targets** 4
Revenue & Finance 5	**Regional Transportation Network** 6	**Scenario Development & Analysis** 7	**Model Support** 8
	2050 RTP 9	**SEFTC Support** 10	

Adoption Anticipated Summer 2025

2050

Left Panel

You Are Cordially Invited!

**Miami-Dade Transportation Planning Organization
SMART M.A.P. 2050 Long Range Transportation Plan (LRTP)
Community Wrokshops**

Virtual Community Workshop
Tuesday, September 26, 2023 | 11:00 AM-12:00 PM
https://tinyurl.com/2050LRTPVOE2

In-Person Community Workshops
Various dates and locations | 5:00 PM - 7:00 PM
RSVP is Encouraged: *https://tinyurl.com/2050LRTPEvents1*
Please see TPA map on the other side for locations.

Central
Tuesday, October 3, 2023
Coral Gables Branch Library, 3443 Segovia Street, Coral Gables, FL 33134

North
Thursday, October 5, 2023
North Dade Regional Library, 2455 NW 183rd Street, Miami Gardens, FL 33056

South
Thursday, October 12, 2023
South Dade Regional Library, 10750 SW 211th Street, Cutler Bay, FL 33189

Beach
Tuesday, October 17, 2023
Gateway Park, 151 Sunny Isles Boulevard, Sunny Isles, FL 33160

West
Wednesday, October 18, 2023
Westchester Regional Library, 9445 Coral Way, Miami, FL 33165

Northwest
Thursday, October 19, 2023
Wilde Community Center, 1701 W 53rd Terrace, Hialeah, FL 33012

Central Business District (CBD)
Thursday, November 2, 2023
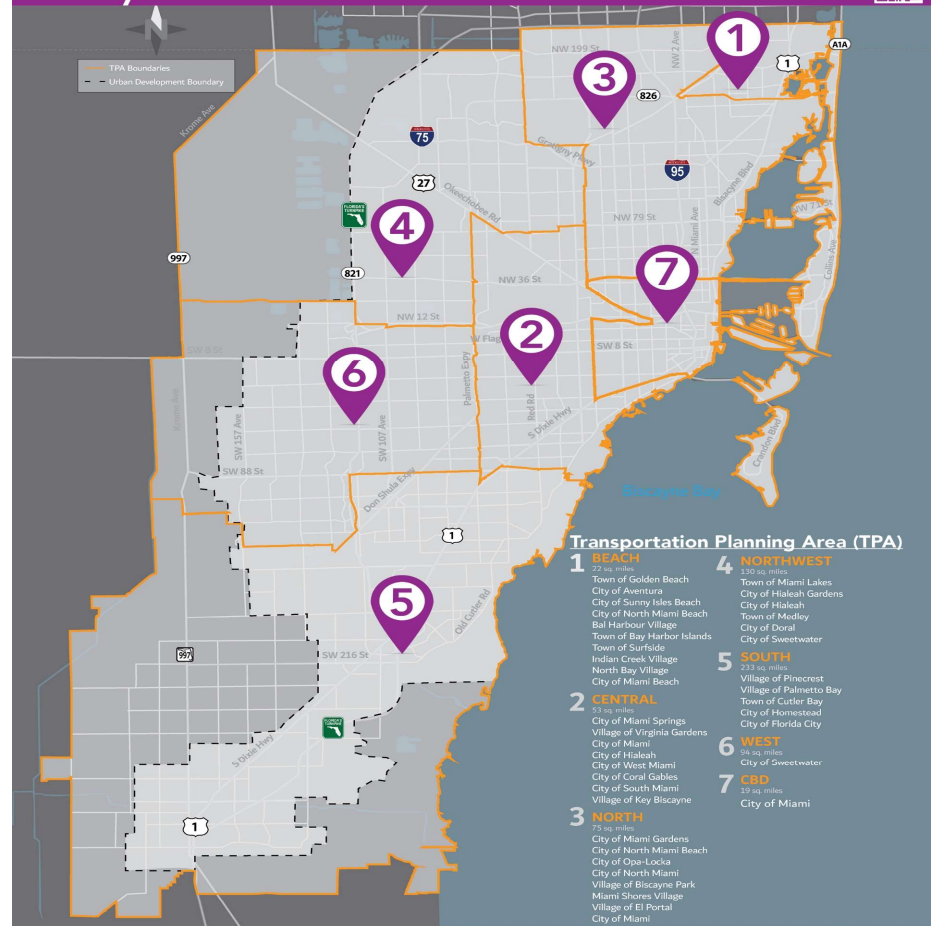*Overtown Performing Arts Center, 1074 NW 3rd Avenue, Miami, FL 33136*

#MiamiDadeIn2050 #MiamiDadeTPO | www.miamidadetpolrtp2050.com

Right Panel

MIAMI-DADE TRANSPORTATION PLANNING ORGANIZATION
2050 LONG RANGE TRANSPORTATION PLAN - *COMMUNITY WORKSHOPS*

TPA Boundaries
Urban Development Boundary

Transportation Planning Area (TPA)

1 BEACH
22 sq. miles
Town of Golden Beach
City of Aventura
City of Sunny Isles Beach
City of North Miami Beach
Bal Harbour Village
Town of Bay Harbor Islands
Town of Surfside
Indian Creek Village
North Bay Village
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2 CENTRAL
53 sq. miles
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Village of Virginia Gardens
City of Miami
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4 NORTHWEST
130 sq. miles
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6 WEST
94 sq. miles
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19 sq. miles
City of Miami

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2050 SMART M.A.P. MANAGEMENT TEAM

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STAY INVOLVED & LEARN MORE AT

https://miamidadetpolrtp2050.com