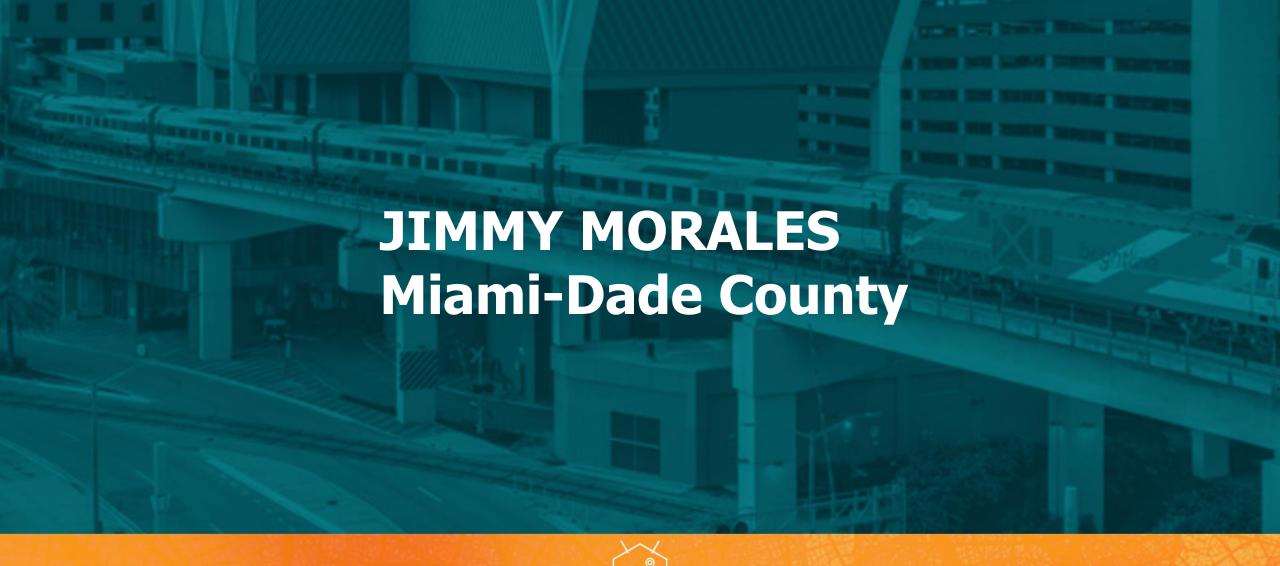


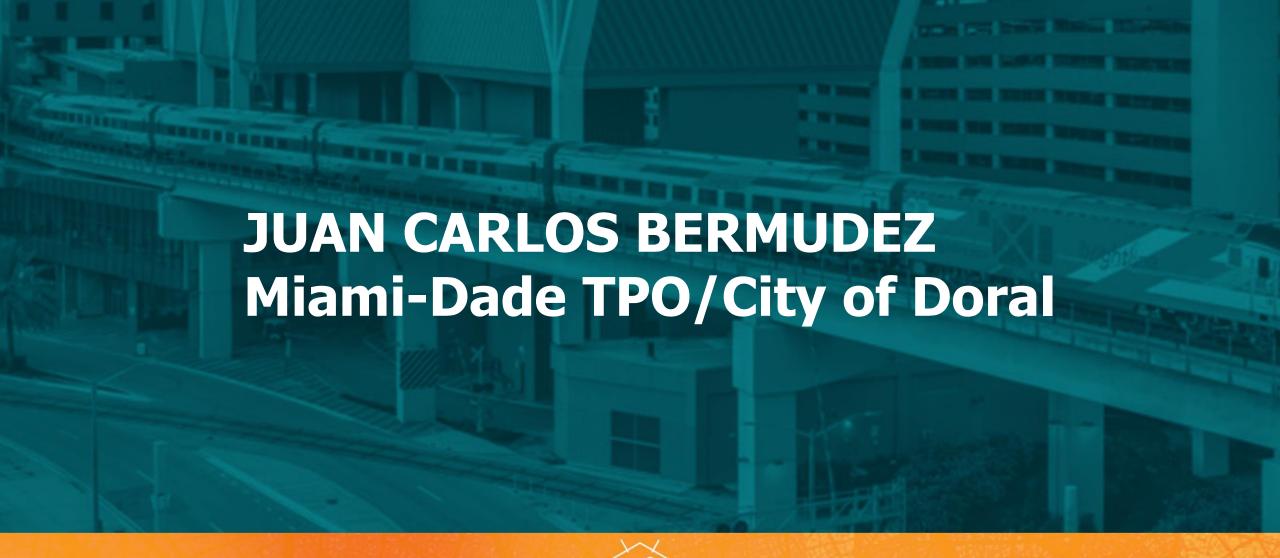
to South Florida















WEDNESDAY AFTERNOON SPEAKERS

AILEEN BOUCLÉMiami-Dade TPO

EULOIS CLECKLEYMiami-Dade County DOT and Public Works

STACY MILLERFlorida DOT (FDOT)

PATRICE GILLESPIE SMITH

Friends of the Underline

JAVIER BETANCOURT Citizen Independent Transportation Trust











to South Florida





TP Governing Board Members Miami-Dade Transportation



Oliver G. Gilbert III Miami-Dade County



Juan Carlos Bermudez City of Doral



Philippe Bien-Aime City of North Miami



Esteban Bovo Jr. City of Hialeah



Danielle Cohen Higgins Miami-Dade County



Jose "Pepe" Diaz Miami-Dade County



René Garcia Miami-Dade County



Perla T. Hantman School Board



Keon Hardemon Miami-Dade County



Rodney Harris Miami-Dade County



Sally A. Heyman Miami-Dade County



Eileen Higgins Miami-Dade County



Vince Lago City of Coral Gables



Steven D. Losner City of Homestead



Roberto Martell Municipal Rep.



Joe A. Martinez Miami-Dade County



Kionne L. McGhee Miami-Dade County



Jean Monestime Miami-Dade County



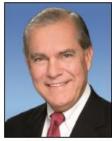
Raquel A. Regalado Miami-Dade County



David Richardson City of Miami Beach



Rebeca Sosa Miami-Dade County



Sen. Javier D. Souto Miami-Dade County



Francis Suarez City of Miami









Eulois Cleckley, Director and CEO Miami-Dade County Department of Transportation & Public Works



Stacy L. Miller, P.E., District Secretary Florida Department of Transportation District Six



Javier A. Betancourt, Executive Director Citizens' Independent Transportation Trust



SMART Plan SMART Region

Six (6) Rapid Transit Corridors

- ✓ Beach
- ✓ East-West
- ✓ Kendall
- ✓ North
- ✓ Northeast
- ✓ South

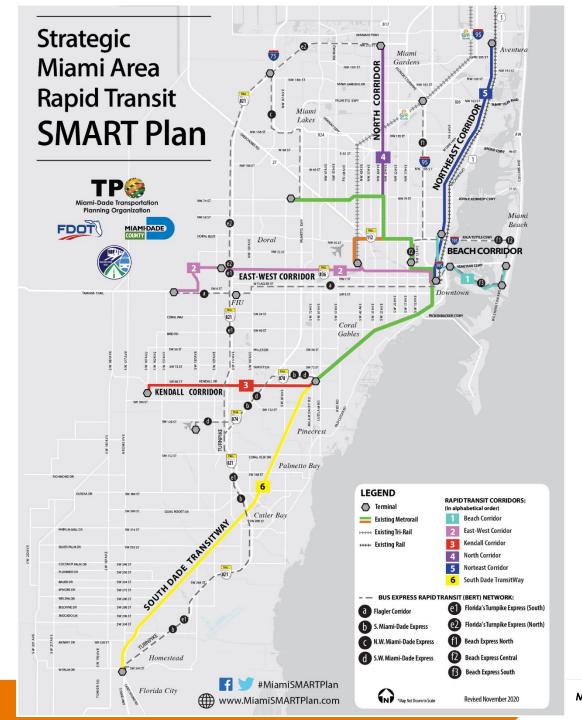
- (1) Project Development & Environment Phase
- (2) Implementation Plan for each corridor

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





Strategic Miami Area Rapid Transit (SMART) Plan

THE THREE PILLARS

CHOICE

COMMUNITY

THE SMART PLAN

CONNECTIVITY

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 to other areas of the County.

SMART PLAN FACTS

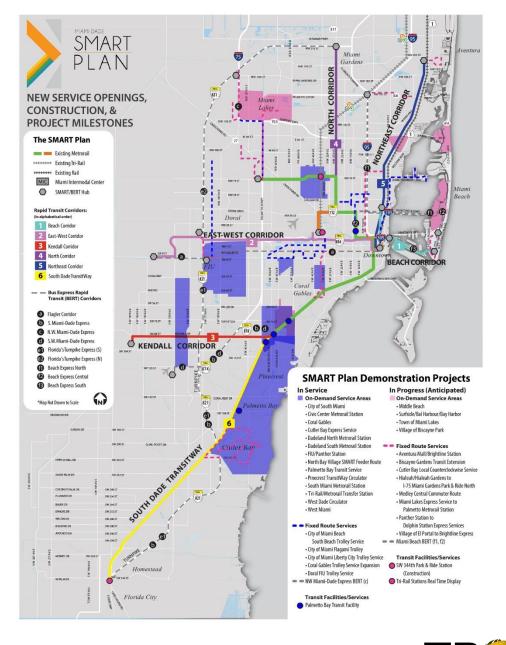
7 MILLION RESIDENTS

More than half of the County's population live within 2-miles of SMART Plan Corridors. 855,000 JOBS —

Are located within a 2-mile radius of SMART Plan Corridors.

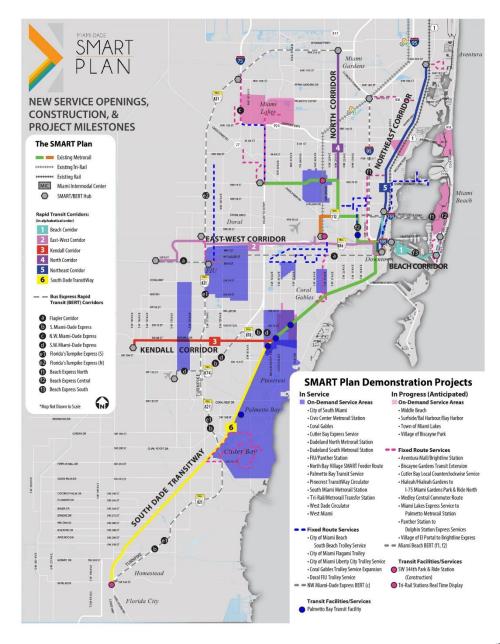
In Service Demonstration **Program Projects**

- City of Miami Beach South Beach Trolley Service November 2017
- City of Miami Flagami Trolley July 2018
- City of Miami Liberty City Trolley Service August 2019
- Doral FIU Trolley Service August 2018
- Coral Gables On-Demand Service January 2019
- Pinecrest Transitway Circulator January 2019
- North Bay Village SMART Feeder Route July 2019
- Palmetto Bay Transit Service July 2019
- Palmetto Bay Transit Facility March 2019
- West Miami On-Demand Service August 2020
- FIU/Panther Station On-Demand Service September 2020
- Area On-Demand Services:
 - South Miami Metrorail Station October 2020
 - Dadeland North Metrorail Station October 2020
 - Dadeland South Metrorail Station October 2020
 - Civic Center Metrorail Station February 2021
- Cutler Bay Express Service December 2020
- City of South Miami On-Demand Service December 2020
- Aventura Mall/Brightline Station May 2021
- West Dade Circulator On-Demand Service February 2021
- Coral Gables Trolley Service Expansion
- Tri-Rail/Metrorail Transfer Station On-Demand Service August 2021



In Progress **Demonstration Program Projects**

- Miami Lakes Express Service to Palmetto Metrorail Station Fall 2021
- Village of El Portal to Brightline Express Service Fall 2021
- Medley Central Commuter Route Fall 2021
- Biscayne Gardens Transit Extension Fall 2021
- Surfside/Bal Harbour/Bay Harbor On-Demand Service Fall 2021
- Panther Station to Dolphin Station Express Service Fall 2021
- Hialeah/Hialeah Gardens to I-75 Miami Gardens Park & Ride Fall 2021
- Cutler Bay Local Counterclockwise Service Spring 2022
- Middle Beach On-Demand Service Approved June 2021
- Tri-Rail Stations Real Time Displays Approved June 2021
- Village of Biscayne Park On-Demand Service Approved June 2021
- SW 344th Park & Ride Station (Construction) 2024



Miami-Dade County SMART Demonstration Program Quarterly Monitoring Reports

RIDER SATISFACTION:

- ✓ Ridership per Quarter
- Ridership Growth Percentage

RETURN ON TRANSIT INVESTMENT:

- Cost Per Revenue Mile: Average Cost per Revenue Mile for the Reporting Period
- Route Productivity: Average Weekday Scheduled Revenue Hours for Reporting Period





The Miami-Dade Transportation Planning Organization (TPO), in partnership with the Florida Department of Transportation the Citizen's Independent Transportation Trust, the Department of Transportation and Public Works and municipalities throughout Miami-Dade County has coordinated to advance the SMART Plan with the opening of numerous SMART Plan Demonstration projects. These demonstration projects focus on increasing first-last mile connectivity to existing and future SMART Plan transit stations and on-demand and enhanced integration of transit services at county and municipal levels.



The FIU/Panther Station On Demand Service provides First-Last Mile On-Demand Transit Service connectivity to a 2-mile service area around FIU/Panther Station. Service area includes the Fontainebleau neighborhood to the north, SW 40 Avenue to the south, SW 97 Avenue to the east and SW 117 Avenue to the west.

Provides connectivity to Panther Station and the East-West Corridor

SERVICE SCHEDULE DN DEMAND SERVICE Monday - Friday 7:00 AM - 7:00 PM TPO APPROVAL June 20, 2019 (TPO Resolution #37-19)		TOTAL FUNDING \$405,000	FUNDING SUMMARY Funded FY 2021 (Service Development Program) State Funded	
Name of the state	The state of the s	SW 37th Ave SW 102nd Ave SW 107th Ave SW 117th Ave		



The Miami-Dade Transportation Planning Organization (TPO), in partnership with the Florida Department of Transportation, the Citizen's Independent Transportation Trust, the Department of Transportation and Public Works and municipalities throughout Miami-Dade County has coordinated to advance the SMART Plan with the opening of numerous SMART Plan Demonstration projects. These demonstration projects focus on increasing first-last mile connectivity to existing and future SMART Plan transit stations and on-demand and enhanced integration of transit services at county and municipal levels.



The Flagami Trolley provides for an increase in trolley operations in the City of Miami by providing and promoting multimodal transportation options via its connections to the Little Havana Trolley Route, the City of Coral Gables Trolley and the Miami Intermodal Center which connects to Tri-Rail, Greyhound, Airport MIA Mover and Amtrak.

Provides connectivity to Miami Intermodal Center, with connections to Metrorail and Tri-Rail

FUNDING SUMMARY TPO APPROVAL FLAGAMI TROLLEY Funded FYs 2019, 2020 & 2021 June 21, 2018 \$3,600,000 (Service Development Program) Monday - Saturday (TPO Resolution #30-18) 6:30 AM - 11:00 PM State Funds









Concurrent Activities

Planning & Environmental Studies

Land Use
Scenario &
Visioning
Planning Studies

SMART Plan

Financial Models

Demonstration Projects

Land Use Scenario Planning – The Process



2010 & 2040 Socioeconomic Databases

LAND USE **STRATEGIES**

Federal Transit Administraton (FTA) New Starts Evaluation Guidelines

SCENARIO BUILDING

Two Series of Charrettes and Three Scenarios

RIDERSHIP **FORECASTING**

How does this affect transit ridership?

SCENARIO REFINEMENT

Refine Alternatives

Land Use Policy Changes



North Corridor Preferred Land Use Scenario

110,900 (2040) to **124,500 (PS)**

An increase of **13,600** in population or **12 % higher** than in 2040



30,200 (2040) to **76,000** (PS) An increase of **45,800** jobs or over **2x higher** than in 2040

South Corridor Preferred Land Use Scenario

72,900 (2040) to **97,400 (PS)**

An increase of **24,500** in population or **33 % higher** than in 2040



60,200(2040) to **79,800** (PS) An increase of **19,600** jobs or 32% **higher** than in 2040



THANK YOU!

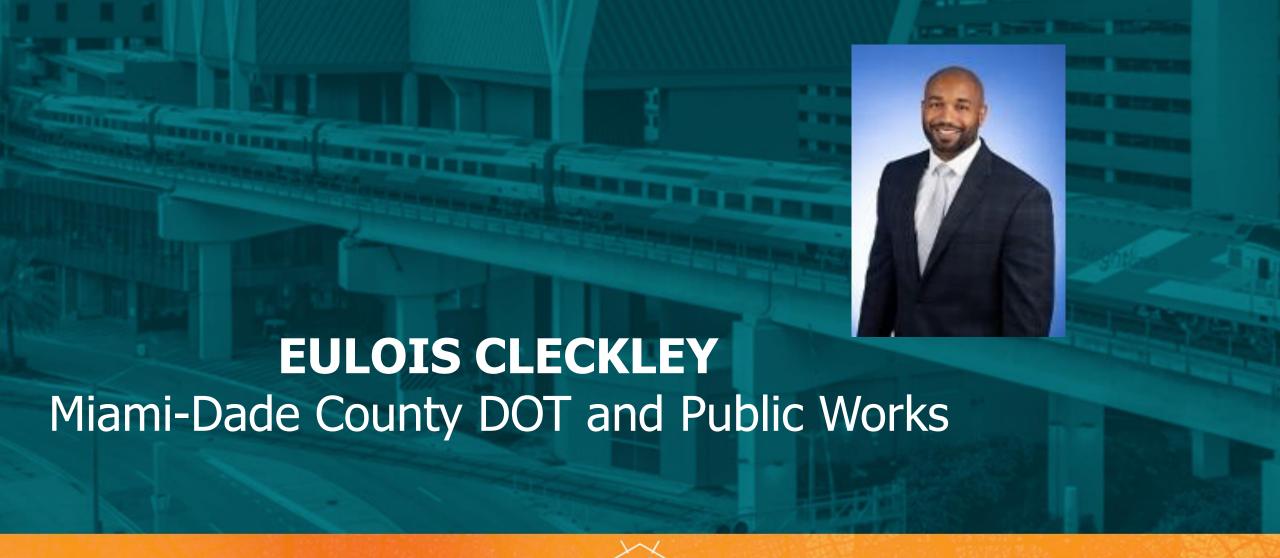
Aileen Bouclé, AICP Executive Director

www.MiamiDadeTPO.org



















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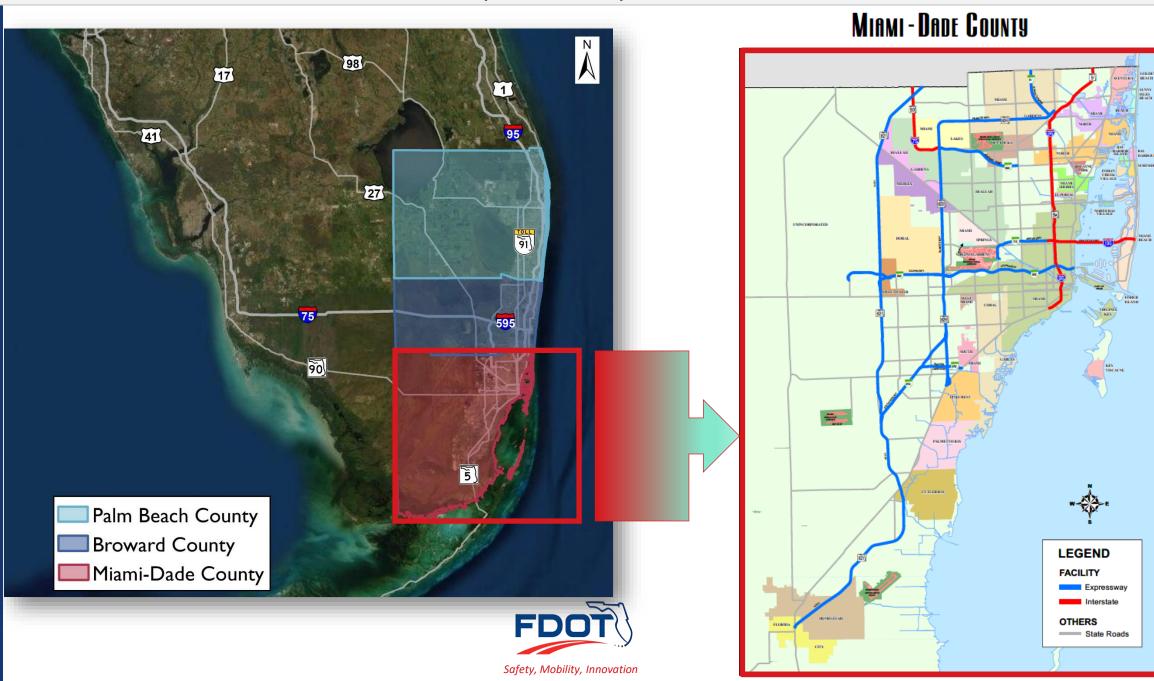
to South Florida



Tri-County Major Corridors Map







Express Lane Network







Florida Department of Transportation





Express Bus Program



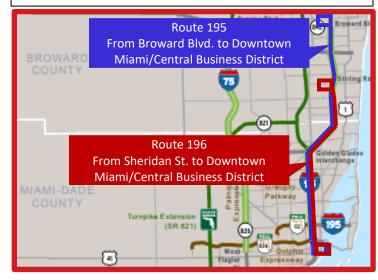
- The Express bus services provide transit users with a reliable and rapid transit option that takes advantage of Express Lanes while reducing roadway congestion for vehicles.
- FDOT District Six provides funding to Miami-Dade County Department of Transportation and Public Works (DTPW) for operation of express bus routes
- The routes below service the following major attractions in Miami-Dade and Broward County:

I-75 Express Bus Service (Western Miami-Dade County)



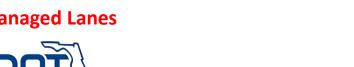
Buses run on I-75 & SR 826 Managed Lanes

■ I-95 Express Bus Service (Eastern Broward to Miami-Dade)

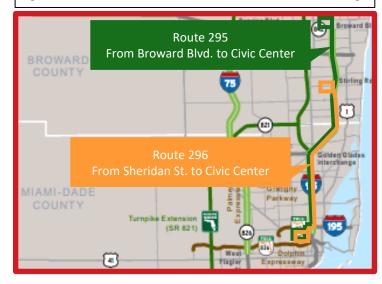


Buses run on I-95 Managed Lanes

Safety, Mobility, Innovation



▼● I-95 Express Bus Service (Eastern Broward to Miami-Dade)



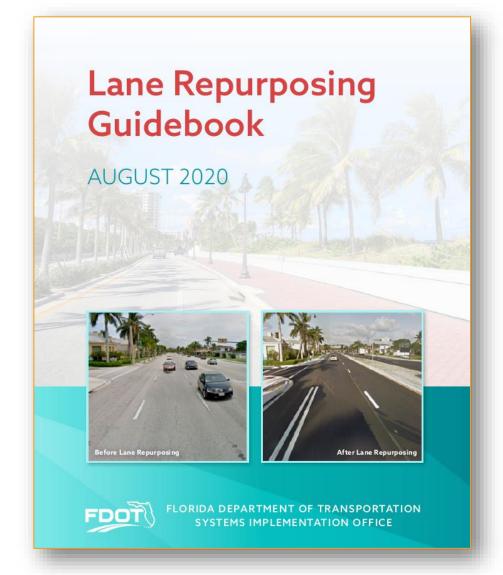
Buses run on I-95 Managed Lanes

Lane Repurposing



What is Lane Repurposing?

- Also known as a road diet, lane reduction, or lane elimination.
- It reassigns roadway space to achieve safety and mobility for all users.
- It can contribute to the economic development and livability for the community.
- Common uses are:
 - separated or buffered bicycle lanes,
 - wider sidewalks,
 - landscaping,
 - on-street parking,
 - transit bulb-outs,
 - traffic calming,
 - transit lanes, and
 - · pedestrian refuge islands.





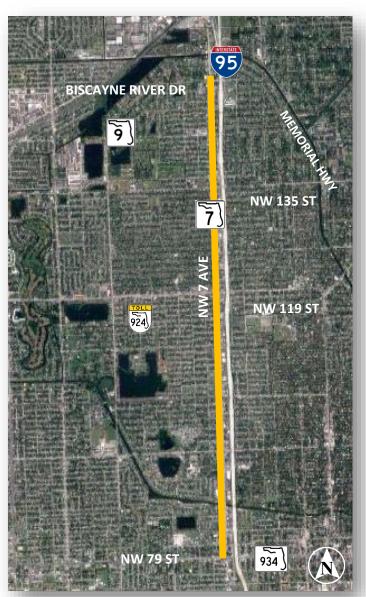
SR 7 from North of NW 79th Street to South of Biscayne Canal (5 miles)

Improvements

- Reduce speed limit from 40 mph to 35 mph to improve safety
- Repurpose outside travel lanes to provide on-street parking and bicycle lanes
- Incorporate raised landscaped medians
- Add pedestrian improvements including bulb-outs at select signalized intersections and special emphasis crosswalks

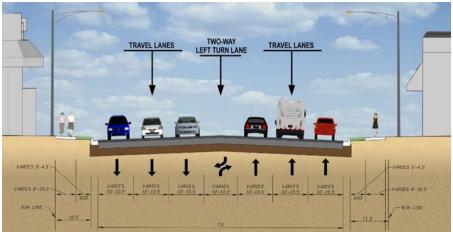
Next Step: Before and After Study





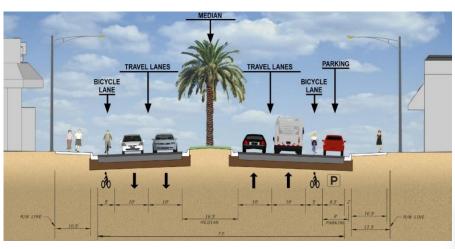
SR 7 from North of NW 79th Street to South of Biscayne Canal

Before Lane Repurposing





After Lane Repurposing



North of NW 79th Street to NW 119th Street Section



District 6 Projects Overview

- SR 7 / US 441 / NW 7th Avenue Completed and Implemented
- SR 968 / SW 1st Street Completed and Implemented
- SR 5 / US 1 / Biscayne Boulevard Biscayne Green *In process*
- SR 934 / NE 79th Street / John F. Kennedy Causeway *In process*
- SR 907 / W 63rd Street Study Completed/Project not Implemented
- SR A1A / S Roosevelt Boulevard Study Completed/Project not Implemented



I-395/SR 836/I-95 Design Build Project and Underdeck



Florida Department of Transportation





Florida Department of Transportation







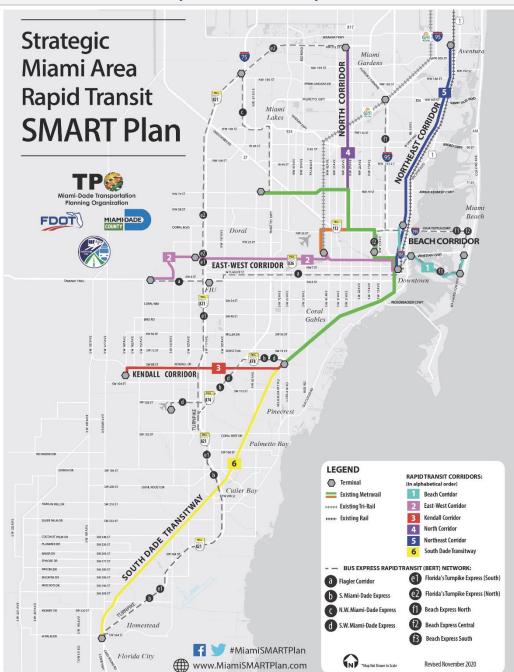




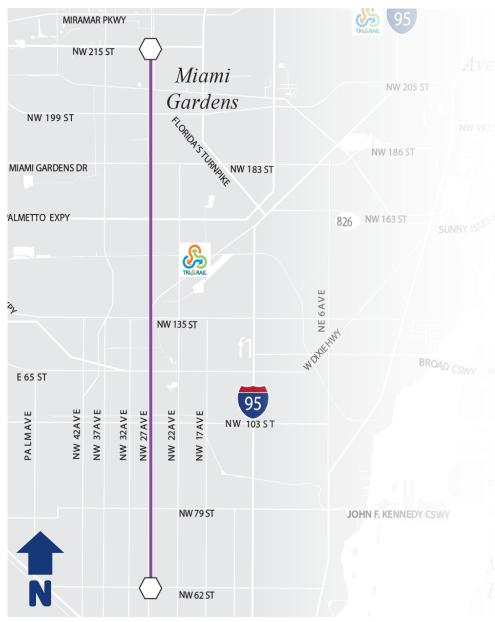
Strategic Miami Area Rapid Transit (SMART) Plan FDOT-Led Corridors



Florida Department of Transportation







- Study Limits: NW 27th Ave from NW 215th St to NW 62nd (Martin Luther King Jr Metrorail Station)
- Length: 10 Miles
- Unique Markets: Intercounty, colleges, special event venues

PD&E Study Results Summary Adopted LPA – Elevated Heavy Rail	
Capital Cost Estimate*	\$1.9 Billion
Operations and Maintenance Cost Estimate (Annual)	\$49.4 Million/yr.
2022 Estimated New Transit Riders per Day	7,500

^{*2018} Dollars, includes right-of-way costs

^{*}PD&E Study on hold as of May, 2020, pending completion of DTPW RFP



Project Facts:

Study Limits: SR-968/Flagler Street from SR 821/HEFT to SR 5/US 1/Biscayne Blvd.

Length: 20 Miles

SW 2 TH ST / CORAL WAY

LECEND |

Unique Markets: Local mmunities, major malls, educationa acilities, central business district, majer attractions

Flagler Street Corridor * Activity Center

Tier 3 Refined BRT Alternative: Definition per TPO Resolution #97-2021

Florida International

[41] 90

Project Status:

2019 – Business Access Transit BAT lanes identified as recommend alternative

2021 - Reversible Lane Analysis Completed and TPO endorsement of recommended alternative (with certain exceptions)

(Resolution #07-2021) Miami International Airport

Spring 2022 DOT presentation to TPO Board

823

Safety, Mobility,

NW 7 TH ST FLAGLER ST SW 8 TH ST 90 41 SW 24 TH ST / CORAL WAY

Mixed Traffic Operation T

FDOT

973

Dedicated BAT Lanes

15

(A1A)

RICK NBACKER CSWY

Port of Miam

Project Facts:

• **Study Limits:** SR-94/Kendall Drive/SW 88th Street from SR 997/Krome Avenue/SW 177th Avenue to Dadeland North Metrorail Station

• **Length:** 10 Miles

 Unique Markets: Local communities, major malls, hospitals

Project Status:

Spring 2022- FDOT presentation to TPO Board

Next Steps:

- Selection of LPA (TBD)
- PD&E Completion (TBD)





Bus on shoulder BOS segment on Julia Tuttle Causeway/ I-195



Project Status:

- November 2021- Executed Memorandum of Agreement (MOA) between FDOT and DTPW for bus on shoulder operations on Julia Tuttle Causeway
- **December 2021** FDOT Interim Projects Completed
 - Includes improvements to outside shoulders of Julia Tuttle Causeway
- December 2021 Route 241/Tuttle Limited service started
- December 2023 Anticipated construction completion FDOT Ultimate project
 - Includes improvements to inside shoulders of Julia Tuttle Causeway



ACHIEVING ZERO TAKES EVERYONE WORKING TOGETHER







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to South Florida



WEDNESDAY AFTERNOON SPEAKERS

PATRICK GODDARD
Brightline

ALEXANDER ESPOSITOCircuit

MATT HAGGMAN
Miami-Dade Beacon Council







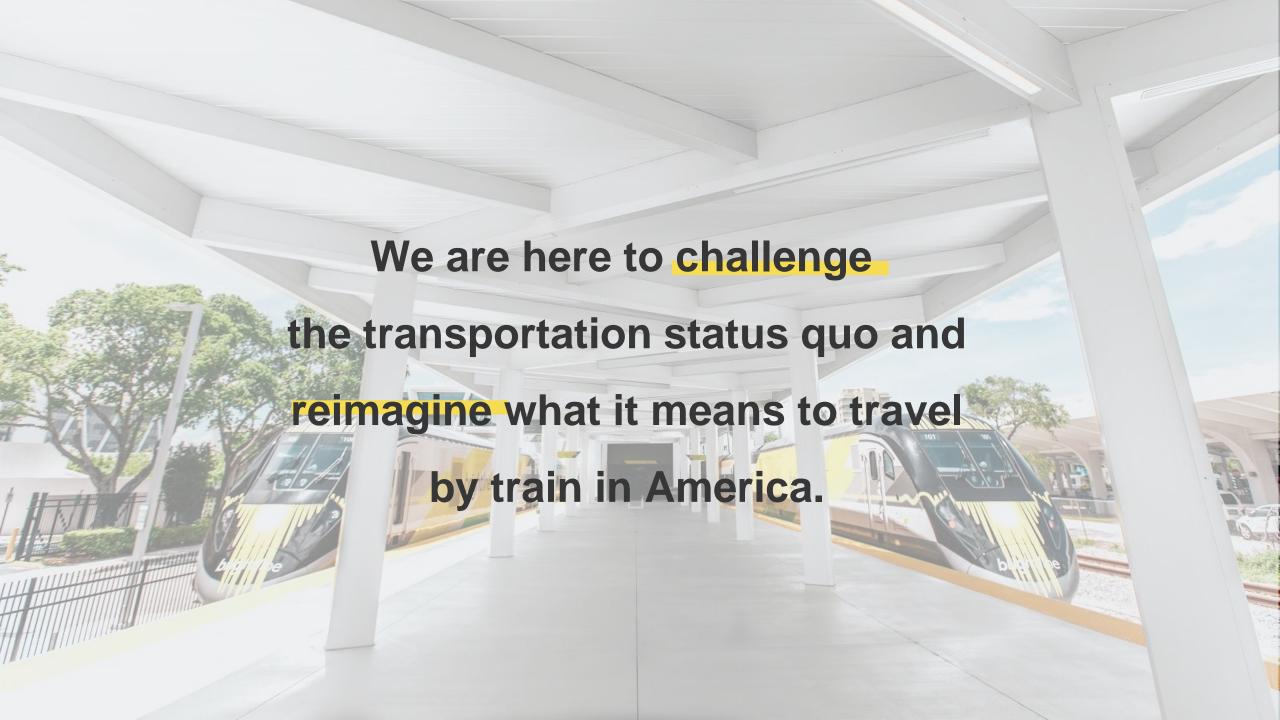




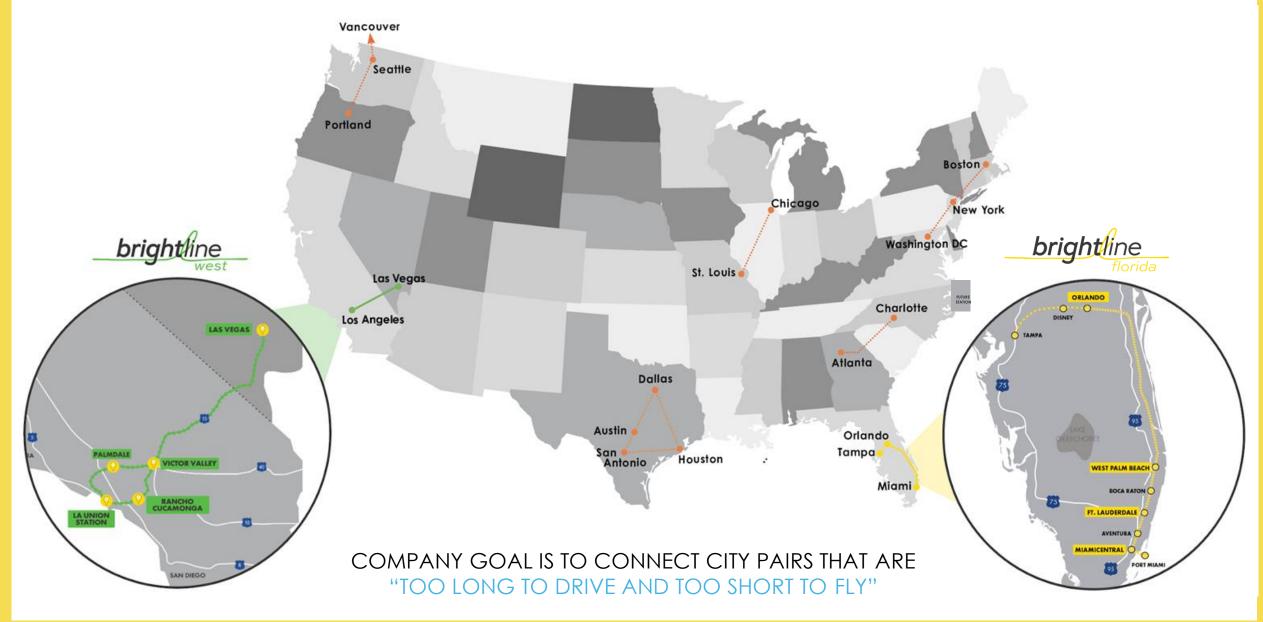
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to South Florida





Bringing modern eco-friendly intercity rail to the U.S.





Building smarter and more prosperous communities

As urban life evolves and the demand for smarter, more efficient cities becomes higher, mobility networks like Brightline play a key role in the long-term prosperity of the areas they serve.



Boost of private capital toward infrastructure development



New & expanded job markets



Greater connectivity to economic centers



Increased real estate value through Transit Oriented Development













Brightline +

Our new door-to-door service, powered by our app and supported by a new fleet of Brightline branded vehicles.

brightline













Phase 2: On Track to Orlando











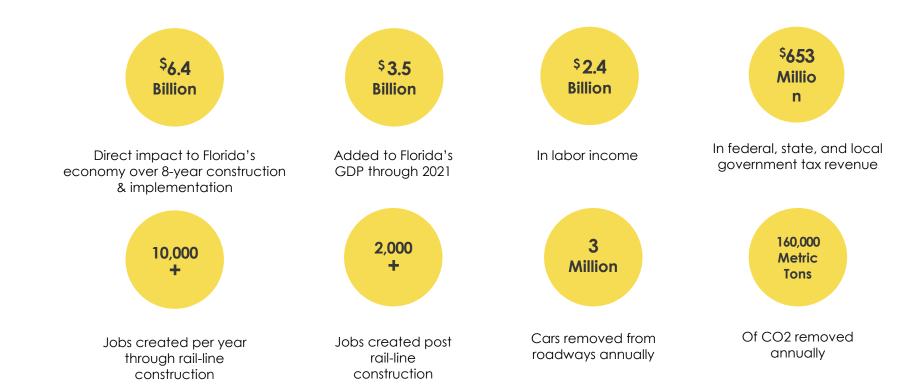


brightline

Phase 2: Ongoing Work SR 528 Corridor - Orlando to Cocoa



Creating economic benefits to the nation's 3rd largest state



SOURCE: The Washington Economics Group was retained to provide a comprehensive, economic impact analysis study, utilizing widely accepted methodologies and specific and accurate input of data, which encompasses the construction of the rail infrastructure and Transit-Oriented Development.



Thank You







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CIRCUIT

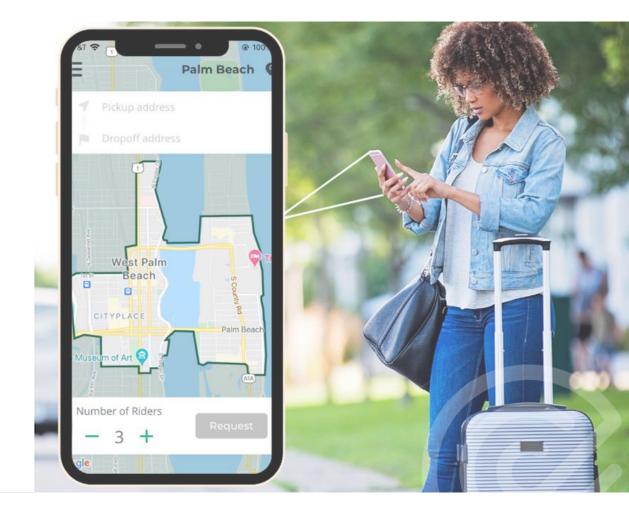
On-Demand, EV Mobility Solutions

That Change How Cities Move



Our Mission

Transforming short distance transportation with techenabled, shared, EV mobility solutions.







Traffic is harming our communities, environment and quality of life

62% of GHG emissions

produced by cities, mainly due to the transportation sector (UN)

56h average time

US commuters spend in traffic/year (CNN)

\$305bn/year US

cost of congestion (INRI) as cities grow faster than their infrastructure



Short Distance Trips are a Big Problem



TNCs (Uber & Lyft)

160% increase in urban traffic (Schaller) 40% increase in costs YOY (NYTimes)



Antiquated Local Transit

Declining bus ridership since 2013 (NYTimes) Indirect for Riders, Expensive for Providers

1/3 of all vehicle trips (150bn/yr) in the US are 2 miles or less (USDOT)





Personal cars

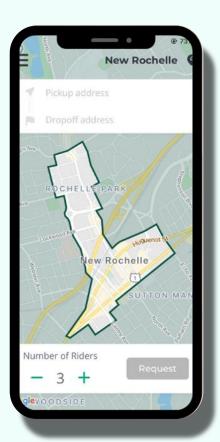
76% of americans still drive themselves to work (Citylab)



Our Solution

Helping to solve **the last-mile problem** that's driving the urban transportation crisis

We work with cities and private companies to build and deploy on-demand, electric shuttle solutions.







Shared, On-Demand Shuttle Services

- Shared rides in geo-fenced coverage areas
- On-demand ux with quality control, jobs, traffic reduction

Turnkey Solutions for B2B & B2G Partners

- App, Vehicles, W2 Drivers, Insurance, Management and Data
- Solutions deployed in 60 days or less

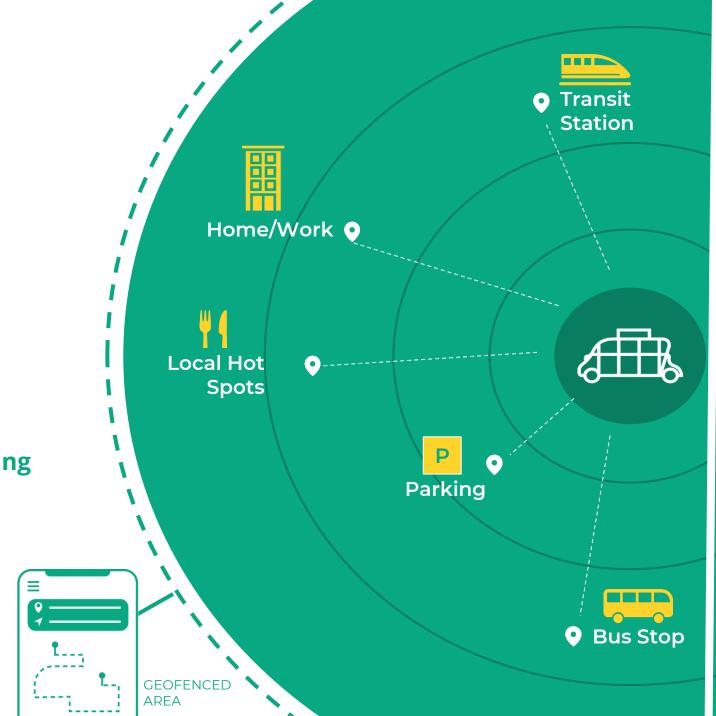
Greener, Cheaper, Easier

- 100% Electric
- 5X less to operate than buses or TNCs
- Accessible and Free/Low Cost for riders

The First/Last Mile

Balancing Rider Preferences with City Needs

- **CONNECT & COMPLEMENT**Rides to Trains and Bus Lines
- SHARED RIDES
 On-Demand with Less VMTs
- PARK ONCE
 30% of Urban Traffic caused by looking for parking.
- SUSTAINABILITY
 100% Electric



Cities, Agencies, Private Partners



PPP Service Contracts



Smarter, greener, cheaper than traditional options



Combating congestion, connecting with parking, reducing VMTs and GHGs



First-mile/last-mile connections















Subsidized by Advertising Partners



Brand Engagement + Outdoor Media



Award Winning Campaigns

Capturing Rider Experience



360 Degree Marketing

Outdoor Media, Experiential, Digital Marketing



Local Businesses, Local Targeting

Using App Data to Drive Returns















People Like Options Many Ways to Move 2 Miles



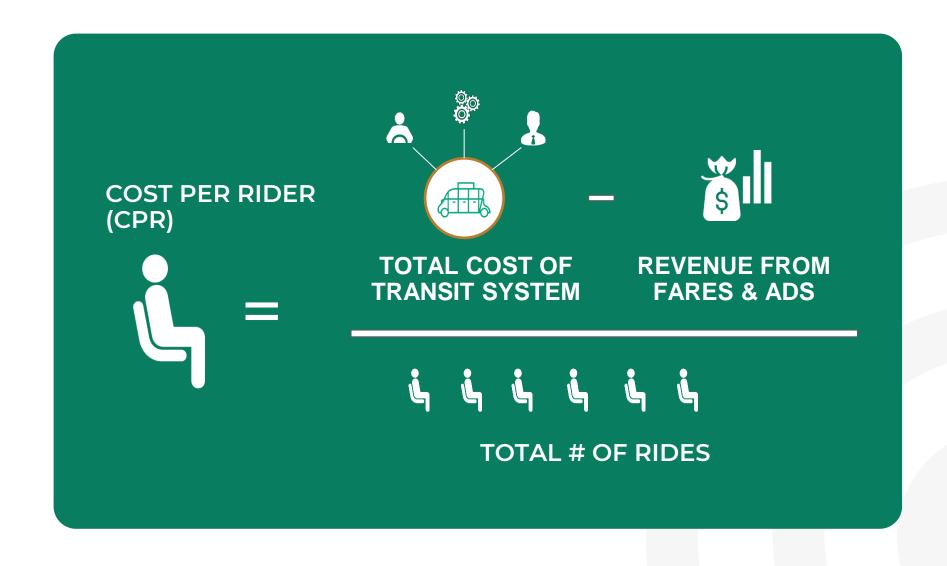






More Riders Reduce Costs

Increase Ridership, Reduce Cost Per Rider



Circuit City Programs in FL



Market Highlights

HOLLYWOOD BEACH

- 15k riders/month
- 30% Savings / 80% CPR Savings
- Over 1500 Grocery Boxes delivered during Covid



POMPANO BEACH

- 2000+ riders/car/Month
- \$2.28 Cost Per Rider (all In)
- Lowest CPR of any known ondemand system in US



WEST PALM BEACH

- WPB DDA + City + Brightline +Ben + Local Advertisers
- Ridership growing over 15%/month in 2022



Connecting the Region

with Brightline+

BRIGHTLINE+

- Miami, Ft Lauderdale, West Palm Beach
- GEMs, Teslas, Vans
- End-to-End Customer Experience
- Riders / Car / Month







Making an Impact









- 5M Rides, 0 Gas
- Reducing Congestion &
 Emissions with shared rides
- S20 Metric Tons of CO2 Avoided in 2021



Local Economies

- Local Jobs W2, Paid, Trained Employees
- Promoting Local Businesses
- Data for Planning
- Low-Cost Options for Cities
- For every \$1 a City spends on transportation it can expect a \$5 return in economic activity - APTA



Access & Mobility

- < \$5 Fare for all</p>
- Connections for commuters, LMI neighborhoods.
- ADA options available
- Access for unbanked users
- Reducing transit deserts, commuting costs and times



Thank You! Let's **Connect**



Alex@ridecircuit.com 516.446.8513



Social Handles

Ridecircuit

@Ride_Circuit

















WEDNESDAY AFTERNOON SPEAKERS

PATRICK GODDARD
Brightline

ALEXANDER ESPOSITOCircuit

MATT HAGGMAN
Miami-Dade Beacon Council





WEDNESDAY PM FIELD VISIT

ALI SOULE
Brightline

JONATHAN HOPKINS
Brightline

Dr. NANCY GASSMANCity of Fort Lauderdale

Dr. JENNIFER JURADOBroward County

JENNI MOREJON

Fort Lauderdale Downtown Development Authority







to South Florida

