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Transportation and Public Works

Presentation

Miami-Dade TPO/Palm Beach TPA Peer Exchange



ABOUT US

Miami-Dade County is the seventh most populous County in the United States, home to a diverse community of approximately 2.8 million residents.

Miami-Dade DTPW develops, coordinates and operates the County's transportation networks with the goal of improving mobility to create a resilient and sustainable community for our residents, businesses and visitors.



WE MANAGE

- Metrobus fleet that runs approximately 28.9 million miles through most areas of Miami-Dade County.
- Electrically-powered, elevated, 25-mile rapid transit Metrorail system.
- 4.4-mile elevated Metromover system.
- Special Transportation Service – STS.
- The County's roads, traffic signals, bridges, canals, sidewalks, street signs, lights and stormwater drainage.



Vision

To be the world's best provider of transportation options.

Mission

Miami-Dade's Department of Transportation and Public Works, through its employees, will enhance the quality of life of Miami-Dade County residents, businesses, and visitors by delivering safe, clean, efficient, reliable, sustainable, and equitable public transportation infrastructure and services.



MOBILITY INITIATIVES

- SMART Program
- Protected Bike Lanes
- Contactless Payment
- Transit Oriented Developments
- The Underline
- Battery-electric buses
- GO Connect
- Better Bus Network

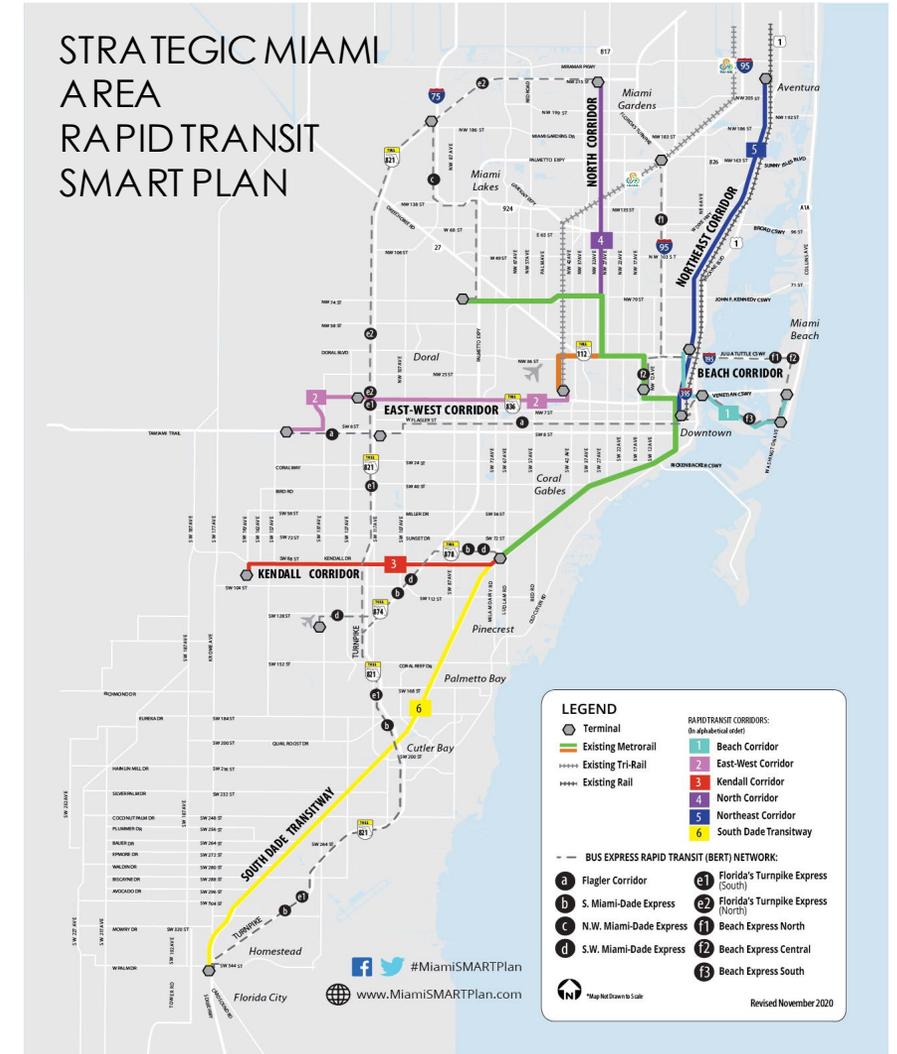




SMART PROGRAM IMPLEMENTATION

The SMART Program represents a vision for our region that is both strategic and far-reaching, creating a system of multiple transportation options by leveraging existing infrastructure, and integrating technology at the highest levels.

The program is comprehensive, proactive and supports the future population and employment growth.





PROTECTED BIKE LANES

Miami-Dade County is working on building the first Micromobility Network in the heart of downtown Miami.

Benefits

- This will change the way cyclists and pedestrians get around safely in downtown.
- The Downtown Miami Micromobility Network will provide approximately 3 miles of new separated bicycle lanes.
- The plan is to expand this and other networks throughout Miami-Dade County.



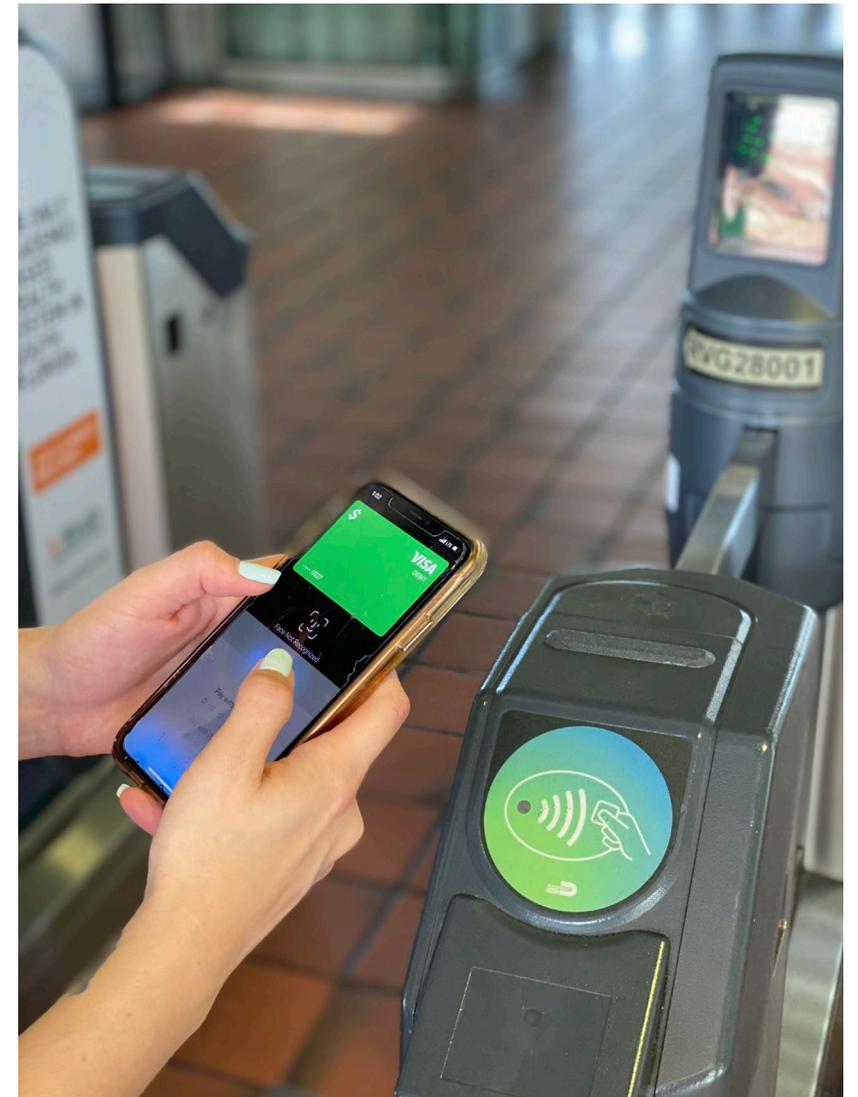


CONTACTLESS PAYMENT

- DTPW launched contactless payment in 2019.
- Riders pay directly at Metrorail fare gates and Metrobus fare boxes using their contactless-enabled bankcards or digital wallets instead of buying an EASY Card or EASY Ticket.

Benefits:

- It's easy to use. Simply tap and go on Metrorail or Metrobus.
- Payment includes fare-capping which guarantees a maximum cost of \$5.65-equivalent to the cost of a 1-Day Pass.
- Payment options include contactless enabled credit and bank cards, Apple Pay, Google Pay, Samsung Pay and Fitbit.





TRANSIT ORIENTED DEVELOPMENTS

- Transit Oriented Developments (TOD) provide better access to jobs and housing for people of all ages and incomes.
- TODs help to enhance connectivity for area residents and businesses.

Benefits

- Reduce the number of household drivers.
- Lower congestion, air pollution and greenhouse emissions.
- Create walkable communities that accommodate healthier lifestyles.
- Increase transit ridership and fare revenue.
- Expand mobility choices that reduce dependence on the automobile.



Some of the TODs currently under construction

- Link at Douglas (Douglas Rd. Metrorail Station)
- Vox Miami (South Miami Metrorail Station)
- Grove Central (Coconut Grove Metrorail Station)
- Miami WorldCenter (Freedom Tower Mover Station)



THE UNDERLINE

The Underline will transform 120 acres of County owned land below existing Metrorail guideway into a world-class, multimodal urban trail.

The trail runs from the Miami River to the Dadeland South Metrorail Station.

Three construction phases

- **Phase 1** – The Brickell Backyard – ½ mile: Opened Feb 26, 2021.
- **Phase 2** – Under Construction – 2.14 miles: connects to Vizcaya Metrorail Station.
- **Phase 3** – Under procurement – 7.36 miles: connects to Dadeland South Metrorail Station.

Amenities

Outdoor Gym, half-court basketball, mini pitch soccer, fitness equipment, running track and more.



The Underline Phase 1



The Underline Phase 2



BATTERY-ELECTRIC BUSES

- Miami-Dade County has 799 active buses.
- The County is currently testing for service its first all-electric bus.
- Another 74 electric buses, manufactured in the US, are slated to start arriving in Miami this year.
- Once all 75 electric buses are delivered, 10 percent of DTPW's Metrobus fleet will consist of zero-emission vehicles.
- Proterra battery-electric buses feature zero tailpipe emissions, saving approximately 230,000 pounds of greenhouse gases annually.





GO CONNECT

Launched in the fall 2020, Go Connect is an on-demand public transit service.

Through this new service, we are using technology to expand access to public transit.

Benefits:

- Increases accessibility by adding app-based, flexible on-demand service.
- Serves first-and-last mile connections.
- Vehicles are wheelchair accessible.
- Cost \$2.25.

By the numbers

- Average Monthly Rides: 5,150.
- Average Pickup Time: <10 min and 13.2 min (peak time).



GO Connect zone coverage areas

Dadeland/South Miami, West Kendall, Cutler Bay, and Civic Center – including Wynwood Arts District.



BETTER BUS NETWORK

- In 2021, the much-anticipated Better Bus Network received a green light from the Board of County Commissioners to move forward.
- The new network will improve and re-imagine the existing Metrobus network to better serve the community.

Project goals

- Connect residents to more opportunities.
- Increase access to our main job centers, government and health services, and education centers.
- Create a more affordable community by delivering frequent and reliable bus lines to help reduce their dependence on cars.
- Deliver more equitable service to communities of concern.





THANK YOU