



July 20, 2022

Miami-Dade Department of
Transportation and Public Works



Metromover Comprehensive Wayside System Overhaul (Metromover Upgrade Project)





AGENDA

- 1. Zoom Meeting Guidelines**
- 2. Introductions**
- 3. Metromover System Overview**
- 4. Metromover System Map**
- 5. Project Description**
- 6. Project Scope**
- 7. Project Benefits**
- 8. Project Cost/Schedule**
- 9. Project Phasing**
- 10. What to Expect During Construction**
- 11. Questions**





GUIDELINES

- **In an effort to maintain a safe and respectable forum, we ask that participants abide by the following guidelines during the designated Q&A portion. Violators are subject to removal from meeting.**
- **All participants' microphones will remain muted, unless it is their turn to speak.**
- **Raise hand to ask a question.**
- **Profanity or inappropriate language will not be tolerated.**
- **When speaking, be mindful of background noises.**
- **Speaking time is limited to two minutes.**
- **Violators are subject to removal from meeting.**



WELCOME

Commissioner Eileen Higgins

**Miami-Dade County
Commission District 5
Chair of the Transportation, Mobility,
and Planning Committee (TMPC)**

Nancy Jackson

District Director

Daniel Reyes

District Coordinator





WELCOME

Commissioner Keon Hardemon

**Miami-Dade County
Commission District 3**

Marcus Barfield, M.P.A.

District 3 Coordinator





WELCOME

Eulois Cleckley, Director and CEO

**| Miami-Dade County Department of
Transportation and Public Works (DTPW)**



TEAM INTRODUCTION

Presenters

Jeanette Gorgas

Deputy Public Information Officer (Media Relations Group, LLC)

Oscar Gonzalez

Public Information Officer (Media Relations Group, LLC)

Luis Espinoza

Special Projects (DTPW Communications)



TEAM INTRODUCTION

Project Team

**Josenrique Cueto, P.E., LEED Green Associate, ENV SP
Deputy Director - Chief Project Delivery Officer**

**German Arenes, M.S., P.E., C.B.I.
Chief Construction, Structural Inspection and Analysis (DTPW)**

**Malka Rodriguez
Construction Manager III (DTPW)**

**Glenn Myers, P.E.
Construction Engineering and Inspection (Atkins North America)**

**Casey Haddock
Project Manager (Bombardier Transportation)**



METROMOVER SYSTEM OVERVIEW

Metromover Major Phasing

- **Metromover Service began in 1986 when the Inner Loop was placed into service**
- **Initial service included stops at nine stations via a 1.9-mile guideway throughout Downtown Miami**
- **The system was expanded with the Omni and Brickell Loops in 1994, adding 2.5 miles of guideway and twelve additional stations for a total of twenty-one elevated stations**
- **Fleet of vehicles replaced in the 2000s**





METROMOVER SYSTEM OVERVIEW

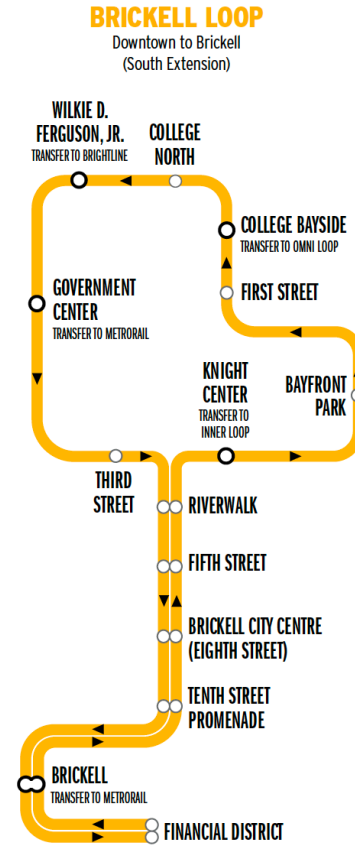
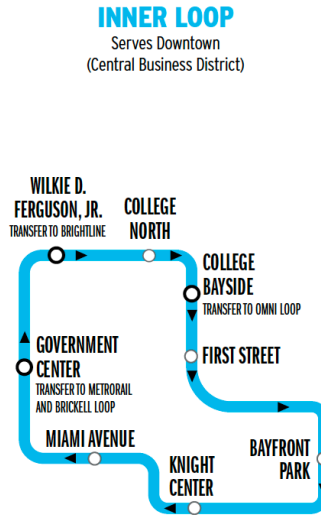
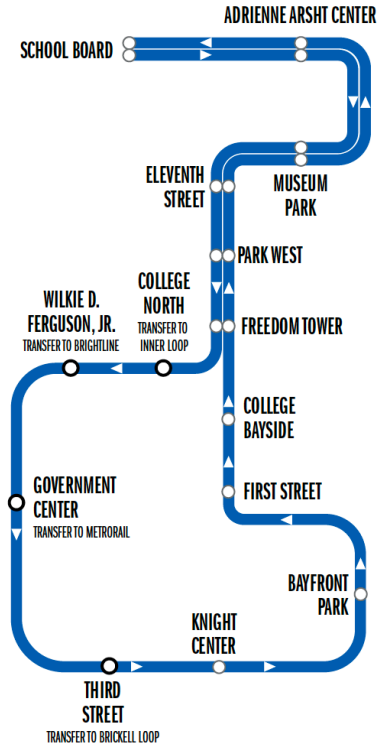
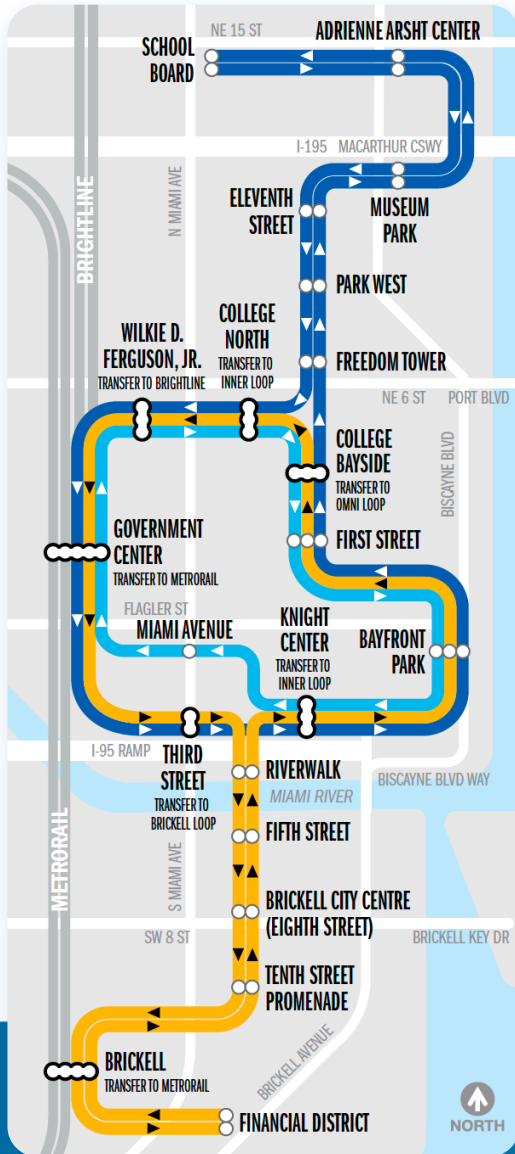
Metromover Service

- The system serves thousands of passengers and ties together the communities that make up greater downtown Miami via 4.4 miles of track.
- The system provides direct service between offices, residences, shopping districts, parks, historic sites, greenways, sports and transportation facilities.
- The system currently operates daily from 5 a.m. to midnight with the schedule being coordinated to coincide with the Metrorail schedule.





METROMOVER SYSTEM MAP



LEGEND

- OMNI LOOP
- INNER LOOP
- BRICKELL LOOP
- STATION SERVING SINGLE LOOP
- STATION SERVING MULTIPLE LOOPS
- RECOMMENDED TRANSFER STATION
- DIRECTION OF TRAVEL
- METRORAIL & BRIGHTLINE



PROJECT DESCRIPTION

- **The system is aging, and the original signaling, control, and power sub-systems are in need of upgrading**
- **Modernizing the system is crucial to maintaining quality and reliability**
- **Department of Transportation and Public Works (DTPW) developed Solicitation RFP-1307 to modernize the system and have issued a Contract**
- **This Contract is titled the Metromover Comprehensive Wayside System Overhaul Project (Metromover Upgrade) and includes:**
 - **Design of the improvements to modernize the system, and**
 - **Construction to implement these improvements**



PROJECT SCOPE

- **Over the course of the next three years, the project will renovate subsystems including:**
 - **The Automatic Train Control System**
 - **Data Transmission System with Supervisory Control and Data Acquisition**
 - **Power Distribution System elements (e.g., low voltage breakers, protective relays, ground switches)**
 - **Track switch equipment**
 - **Central Control equipment**
 - **The fleet of 27 Metromover vehicles will also be refurbished to be compatible with the new operating systems**





PROJECT BENEFITS

- **Once completed, the Metromover upgrades will:**
 - **Improve system RELIABILITY which will help reduce service disruptions**
 - **Increase vehicles frequency which will REDUCE WAIT TIMES for riders**
 - **Allow for more flexibility of routes; new alternate routes may be introduced to meet service demands and get passengers to desired locations quicker**
 - **Extend lifespan of the system to another 30 years by rehabilitating the track**





PROJECT COST/SCHEDULE



PROJECT COST

\$152,920,983



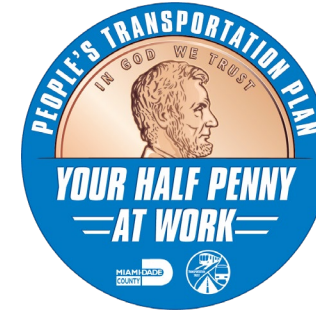
PROJECT SCHEDULE

Project Start: May 2021

Construction Start: July 2022

Anticipated Construction Completion: May 2025

FUNDING PARTNERS

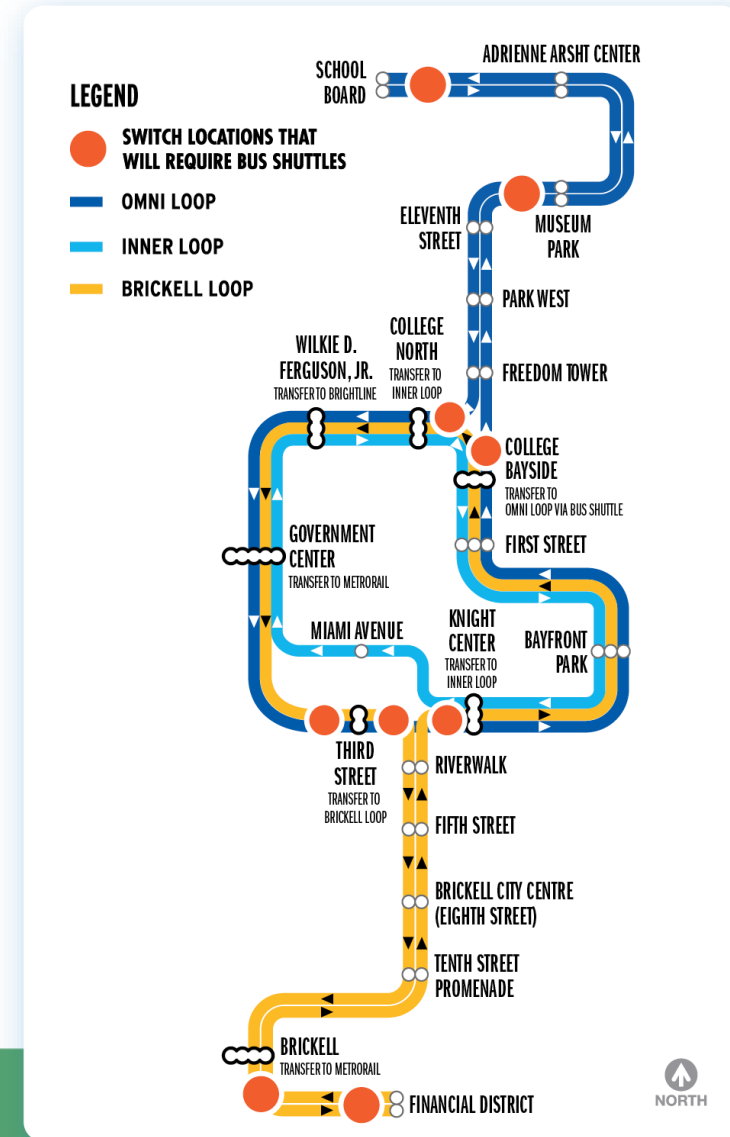


**Federal Transit
Administration**



PROJECT PHASING – SWITCH REFURBISHMENT

- Switch modernization work (July 2022 through November 2023)
 - To minimize delays, some of the track switch refurbishment will be completed during non operating hours between midnight and 5 a.m.
 - Extended track/station closures will be limited to Saturdays from 5 a.m. to 11 a.m.
 - Bus shuttles will be provided during extended closure periods
- Roadway lane closures will be implemented when there is track work over roadways

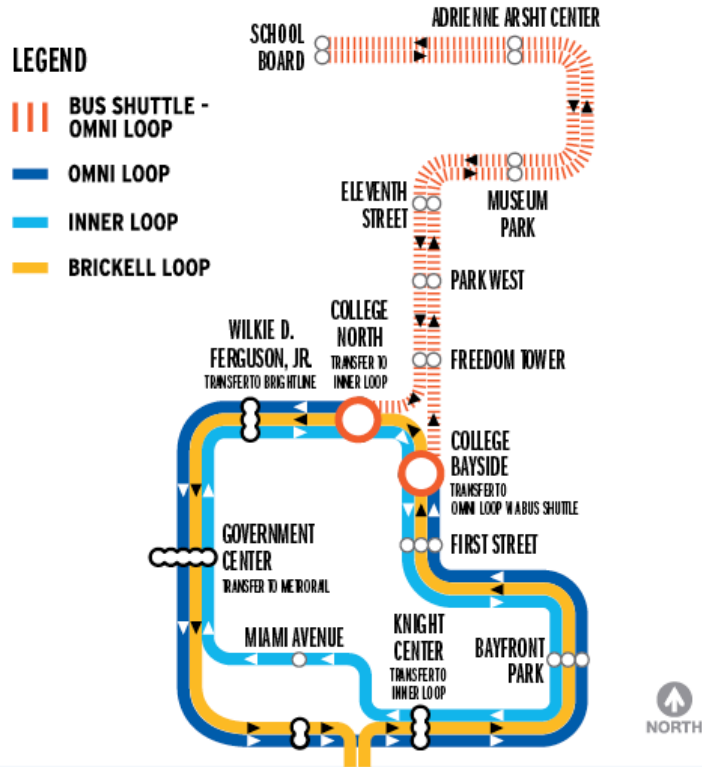




PROJECT PHASING – SWITCH REFURBISHMENT

ANTICIPATED TRACK/STATION CLOSURES THROUGH DECEMBER 2022

TRACK CLOSURE - OMNI LOOP



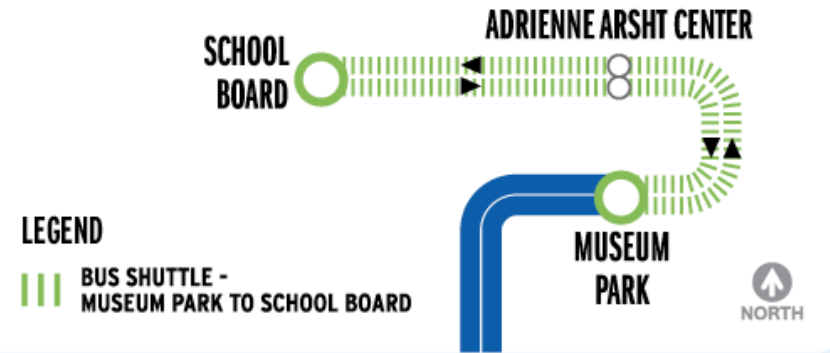
BUS SHUTTLE SCHEDULE - MUSEUM PARK TO SCHOOL BOARD FROM 5 A.M. TO 11 A.M.

SATURDAY, AUGUST 13, 2022
SATURDAY, AUGUST 20, 2022
SATURDAY, SEPTEMBER 10, 2022
SATURDAY, SEPTEMBER 24, 2022
SATURDAY, OCTOBER 8, 2022

BUS SHUTTLE SCHEDULE - OMNI LOOP FULL OMNI LOOP CLOSURE FROM 5 A.M. TO 11 A.M.

SATURDAY, NOVEMBER 12, 2022
SATURDAY, DECEMBER 10, 2022

PARTIAL TRACK CLOSURE - MUSEUM PARK TO SCHOOL BOARD

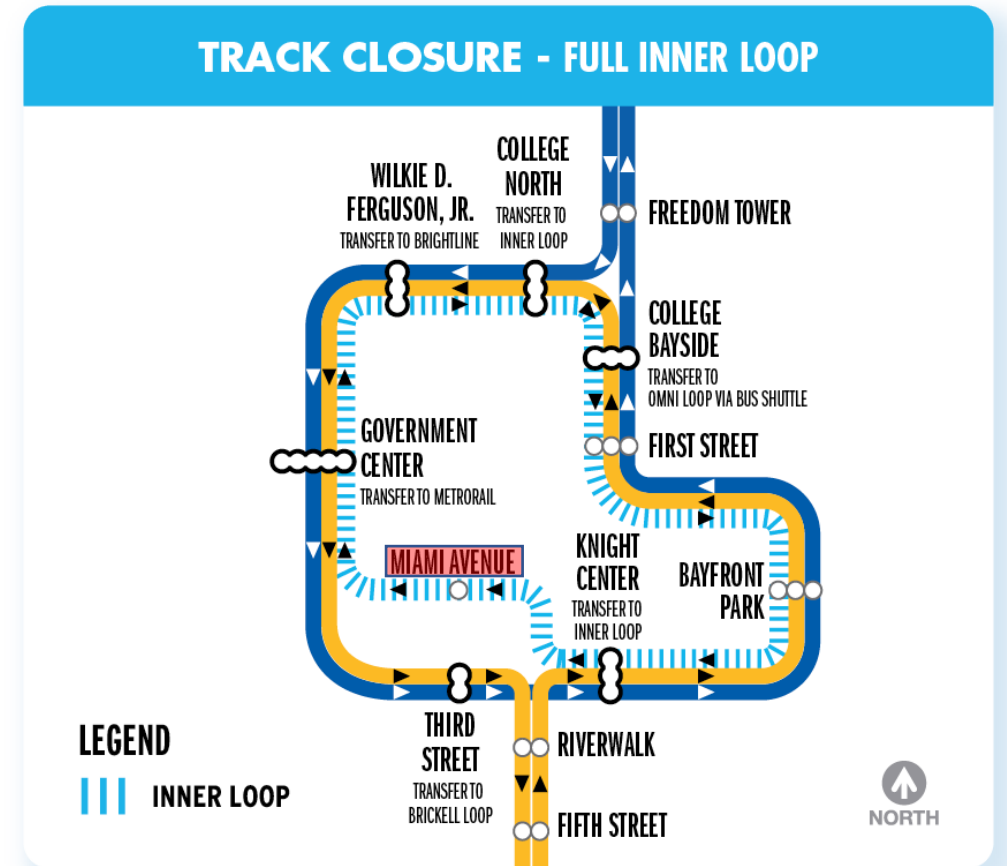


NOTE: Schedule subject to change due to unforeseen circumstances or weather



PROJECT PHASING – INNER LOOP LONG TERM CLOSURE

- Inner Loop is scheduled to close from August 2023 through December 2024 for system upgrades
- Omni and Brickell Loops will service all Inner Loop Stations except for the Miami Avenue Station
 - A bus shuttle will be implemented from the Knight Center to the Government Center
- As vehicles are retrofitted, they will be tested and stored at the inner loop



NOTE: Schedule subject to change due to unforeseen circumstances or weather



PROJECT PHASING – INNER LOOP LONG TERM CLOSURE

- **Once 13 vehicles have been retrofitted, the Inner Loop will open, and the Omni and Brickell Loops will be switched to the new operating system**
- **The three loops will initially operate with the newly retrofitted 13 vehicles**
- **As each of the remaining 14 vehicles are retrofitted, they will be introduced into the three loops**





WHAT TO EXPECT DURING CONSTRUCTION

- **Bus shuttles implemented during extended closures of track/stations:**
 - Possible longer travel times
- **Complete closure of the Inner Loop**
 - Possible longer travel times
 - Access to Miami Avenue Station only through bus shuttle
- **Increased time between vehicles as they are taken out of service for refurbishment**
- **Possible noise associated with night track work**
- **Closures of roadways under the tracks while overhead work is being performed**
- **Temporary sidewalk detours when work is being performed overhead**



QUESTIONS & ANSWERS

REMINDERS

- **Raise hand to ask a question - if dialing in, press *9**
- **Profanity or inappropriate language will not be tolerated**
- **When speaking, be mindful of background noises**
- **Speaking time is limited to two minutes per speaker**
- **Violators are subject to removal from meeting**



QUESTIONS AFTER THE MEETING

- Visit the project web page for updates, miamidade.gov/moverupgrade
- Email moverupgrade@miamidade.gov to ask additional questions and to sign up for project alerts
- Emailed questions will be addressed after the meeting
- Project information line: 786-837-4881

The image features a tropical beach scene with palm trees and a building in the background. The scene is split into two color schemes: a green-tinted left side and a blue-tinted right side. The text "THANK YOU" is centered across the image in a large, white, sans-serif font. The background shows a sandy beach in the foreground, a low stone wall, and a multi-story building with many windows behind a line of palm trees.

THANK YOU