



# PUBLIC OUTREACH MEETING

## METROMOVER COMPREHENSIVE WAYSIDE SYSTEM OVERHAUL (METROMOVER UPGRADE PROJECT)

PRESENTED BY

**MIAMI-DADE COUNTY**

**DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS (DTPW)**

JULY 11, 2023



# Agenda



1. Zoom Participant Meeting Guidelines
2. Introductions
3. Metromover System Overview
4. Project Description
5. Project Scope
6. Project Benefits
7. Project Schedule/Budget Update
8. Construction Update
9. Inner Loop Long Term Closure
10. Questions



# GUIDELINES



**To maintain a safe and respectable meeting, we ask that participants abide by the following guidelines during the designated Q&A portion after the presentation takes place:**

- All virtual participants' microphones will remain muted, unless it is their turn to speak. Raise hand to ask a question.
- Speaker cards for in person attendees will be collected prior to the Q&A portion.
- Profanity or inappropriate language will not be tolerated.
- 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)**

## Eddie Marti Kring

**District Director**

## Daniel Reyes

**District Coordinator**



# WELCOME



## Commissioner Keon Hardemon

**Miami-Dade County  
Commission District 3**

## Marcus Barfield, M.P.A.

**District 3 Coordinator**

## Rosenny Augustine

**District 3 Intergovernmental Affairs Coordinator**



# WELCOME



**Eulois Cleckley, Director and CEO**

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



# TEAM INTRODUCTION



## Project Team

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

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

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

**Construction Engineering and Inspection: ATKINS North America**

**Contractor: Alstom**

# TEAM INTRODUCTION



## Presenters

**Oscar Gonzalez**

**Public Information Officer (Media Relations Group, LLC)**

**German A. Arenes-Oliva, M.S., P.E., C.B.I.**

**Chief Construction, Structural Inspection and Analysis (DTPW)**

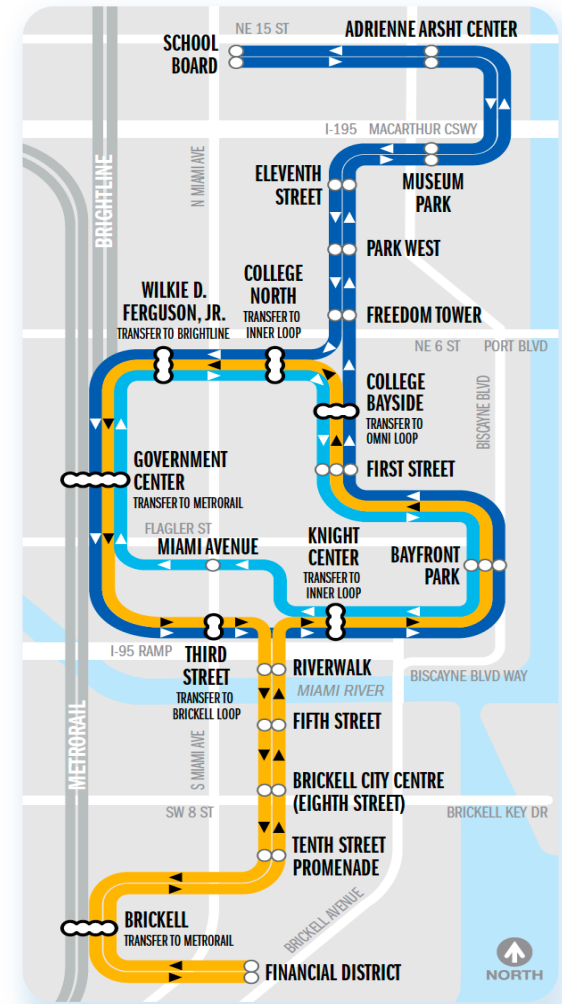


# METROMOVER SYSTEM OVERVIEW



## 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.



# PROJECT SCOPE



- The system is aging, and the original signaling, control, and power sub-systems need upgrading. Modernizing the system is crucial to maintaining quality and reliability
  - 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

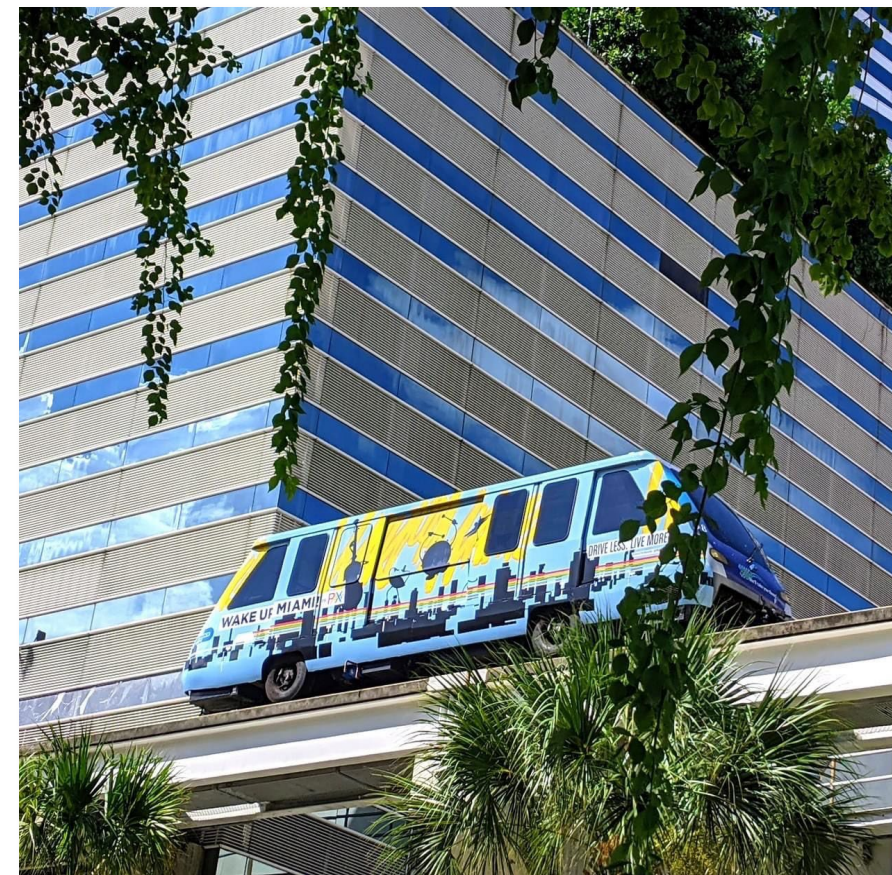




# PROJECT BENEFITS



- 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 SCHEDULE & BUDGET UPDATE



## SCHEDULE



CONTRACT TIME:  
1460 Days

CONTRACT DAYS USED:  
721 Days

## BUDGET



CONTRACT AMOUNT:  
\$152,920,983.22

INVOICED:  
\$52,079,442.09

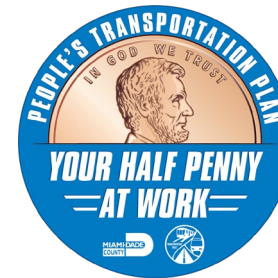
## PROJECT SCHEDULE

**Project Start:** May 2021

**Construction Start:** July 2022

**Anticipated Construction Completion:** 2025

## FUNDING PARTNERS



**Federal Transit  
Administration**

# CONSTRUCTION UPDATE – SWITCH REFURBISHMENT



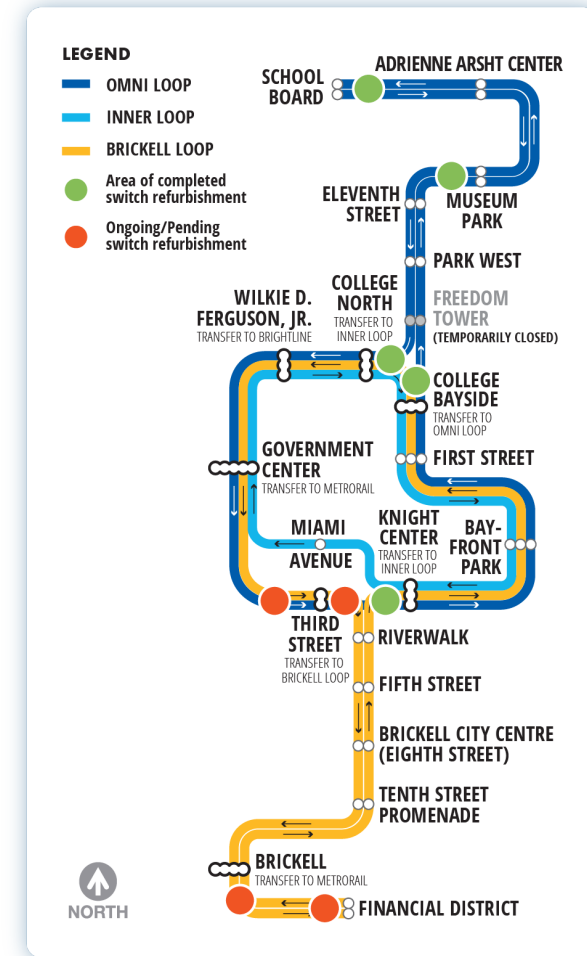
## ONGOING SWITCH MODERNIZATION WORK

### GUIDEWAY EQUIPMENT

Guideway Equipment Design, Procurement and Switch Installation

54.1%

- A total of 12 of the 25 switches have been refurbished
- To minimize delays, some of the track switch refurbishment is being done during non-operating hours between midnight and 5 a.m.
- Late opening of stations is being limited to Saturdays from 5 a.m. to 2 p.m.
- Bus shuttles will be provided during extended closure periods
- Roadway lane closures will be implemented when there is track work over roadways





# CONSTRUCTION UPDATE: SWITCH REFURBISHMENT



## ANTICIPATED TRACK/STATION LATE OPENINGS THROUGH OCTOBER 2023

- Saturday, July 22
- Saturday, August 5
- Saturday, August 19
- Saturday, September 9
- Saturday, September 23
- Saturday, October 7
- Saturday, October 21

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

**METROMOVER UPGRADE**





# CONSTRUCTION UPDATE: VEHICLE REFURBISHMENT



Photos showing Metromover vehicle being prepared for transport to the Alstom facility in Pittsburgh and vehicle 46 refurbishment work and testing



# CONSTRUCTION UPDATE: OTHER WORK



## GUIDEWAY FACILITIES

Guideway Systems Design, Issue POs for Switches and Accept Delivery of Switch Parts

99%

## POWER DISTRIBUTION SYSTEMS (PDS) FACILITIES

PDS Facilities Design, Procurement, Installation and Commissioning

42.7%

## CENTRAL CONTROL FACILITIES

Central Control Facilities Design, Procurement, Installation, Commissioning and Training

38.0%

## GUIDEWAY EQUIPMENT

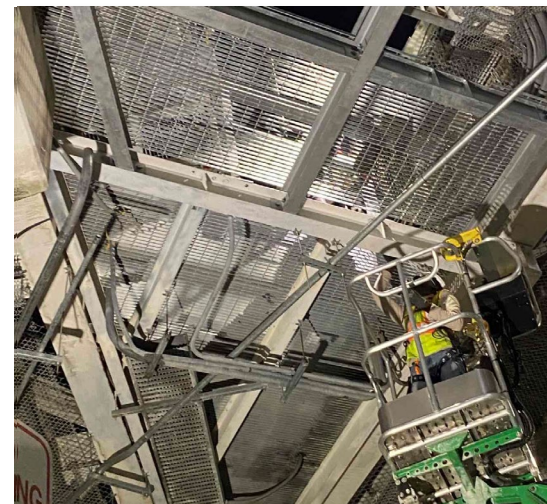
Guideway Equipment Design, Procurement and Switch Installation

54.1%

## AUTOMATED TRAIN CONTROL (ATC) EQUIPMENT

ATC Design, Documentation, Procurement, Quality and Safety Documentation, and SCADA Install and Cutover

32.5%





# 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
- System closing earlier than normal, opening later than normal and/or possible weekend closures

## COMPREHENSIVE COMMITMENT TO INFORM THE PUBLIC: SERVICE ADJUSTMENTS AND PROJECT UPDATES

- Public Kickoff Meeting on July 20, 2022
- Service alerts via the GO Miami-Dade App
- Earned media coverage
- One-on-one in person surveys





# PUBLIC OUTREACH



- Interactive digital map with real-time service information deploying soon
- Social media posts
- Email distribution of project updates:  
To sign up:  
[moverupgrade@miamidade.gov](mailto:moverupgrade@miamidade.gov)
- Project information hotline:  
786-837-4881



# PUBLIC OUTREACH



- Distribution of materials at station platforms
- Rider Tips inside vehicles and platforms
- Project website: [miamidade.gov/moverupgrade](https://miamidade.gov/moverupgrade)



**METROMOVER RIDER ALERT**

**ON SATURDAY, JUNE 10, 2023, ALL FULL LOOP STATIONS WILL OPEN AT 2 P.M. OR EARLIER FOR UPGRADE WORK. THE INNER LOOP STATIONS WILL OPERATE REGULAR SCHEDULE.**

Free bus shuttle service between stations, as noted in the map, will be available until the stations open.

The Miami-Dade County Department of Transportation and Public Works (DTPW) is working to upgrade your metromover system to ensure reliability and reduce wait times.

**EL SÁBADO 10 DE JUNIO DEL 2023, TODAS LAS ESTACIONES DEL MODULO DE CIRCUITO COMPLETO (FULL LOOP) ABRIRÁN A LAS 2 P.M. O ANTES DEBIDO A LAS OBRAS DE MODERNIZACIÓN. LAS ESTACIONES DEL CIRCUITO INTERIOR (INNER LOOP) FUNCIONARÁN SEGUN SUS HORARIOS HABITUALES.**

El servicio gratuito de autobuses entre las estaciones, como se indica en el mapa, estará disponible hasta que abran las estaciones.

El Departamento de Transporte y Obras Públicas (DTPW) del condado de Miami-Dade está trabajando en la modernización del sistema del metromover para garantizar la confiabilidad y reducir los tiempos de espera.

**SAMDI 10 JUN 2023, TOUT ESTAYON SQU MOD SIKU KOMPLE (FULL LOOP) LA VA OUVRE A 2 P.M. O AVANT. LES STATIONS DU CERCLE INTERIEUR (INNER LOOP) FONCTIONNERONT SELON LEURS HORAIRES HABITUELS.**

Le service gratuit de autobus entre les stations, comme se indique sur la carte, sera disponible jusqu'à ce que les stations ouvrent.

Le Département des Transports et des Travaux Publics (DTPW) du comté de Miami-Dade est en train de moderniser le système de métromover pour assurer la fiabilité et réduire les temps d'attente.

**USE SA CHANGE. MOUVI PRISTE. MIAZOO TO.**

**ORÉ OTORIS NAVET SIKU KOMPLE (FULL LOOP) - 2001 5 A.M. BIV 2 P.M.**

**SAMDI 10 JUN 2023**

**USE SA CHANGE. MOUVI PRISTE. MIAZOO TO.**

**PROJECT INFORMATION / INFORMACIÓN SOBRE EL PROYECTO / ENFOMAYON PWOJE**

**miamidade.gov/moverupgrade**

**786.837.4881**

**moverupgrade@miamidade.gov**

**GO Miami-Dade Transit**

**311 or 305.468.5900**

**TTY/Florida Relay: 711**

**MIAMI-DADE COUNTY**

**Important Message**

On Saturday, July 8, all Metromover Full Loop stations will open at 2 p.m. Latest news

Metromover is working [Full Loop mode](#) through June 2023 for upgrade work. Become familiar with these [FAQs](#) and [Latest news](#).

**Metromover Upgrade Project**

Share: 1 2

**CONTACT US**

**TRANSPORTATION AND PUBLIC WORKS**

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786-468-5675

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Request Public Records

# QUESTIONS & ANSWERS



## REMINDERS

- In-person attendees will ask questions when your name is called from the microphone in the center aisle.
- Everyone is asked to please be as brief as possible to allow time for others.
- For virtual attendees, click the Zoom hand icon to ask a question – if dialing in, press \*9
- When speaking on Zoom, be mindful of background noises



# QUESTIONS AFTER THE MEETING



- Visit the project web page for updates, [miamidade.gov/moverupgrade](https://miamidade.gov/moverupgrade)
- Email [moverupgrade@miamidade.gov](mailto: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



# THANK YOU