East-West Corridor Rapid Transit Project Selection of Locally Preferred Alternative



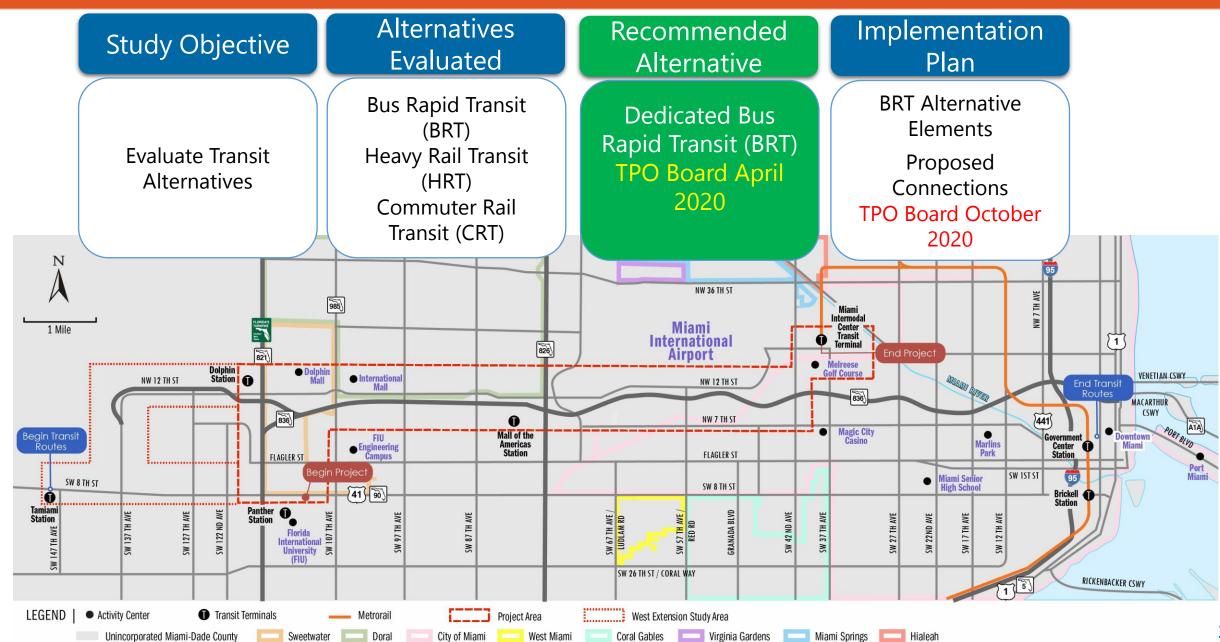
Department of Transportation and Public Works (DTPW)

Transportation Planning Organization Governing Board October 22, 2020

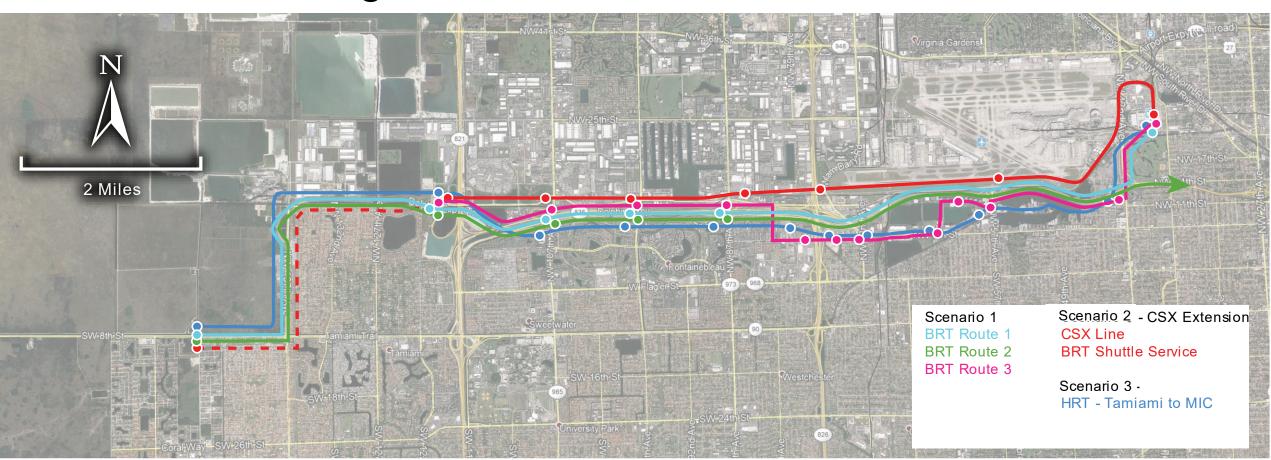








Objectives – Refine Transit Alternatives to enhance connections to and from Tamiami and Dolphin Terminals, Doral, Mall of the Americas/Blue Lagoon, MIC, and Downtown



BRT Alternative

- Reversible Center Dedicated Bus Only Lanes on SW 8th Street and SW 137th Avenue
- Dedicated Bus-on-Shoulder on SR 836 Extension to Dolphin Terminal
- Direct ramp connection to and from Dolphin Terminal and SR 836 Extension by MDX
- At-grade reversible transit only lane at SW 8th Street and SW 137th Avenue intersection
- Center stations on SR 836 at 107th, 97th, and 87th Avenue
- Dedicated transit only ramps between 87th Avenue and 72nd Avenue
- Dedicated transit only lanes on NW 7th Street east of NW 62nd Avenue

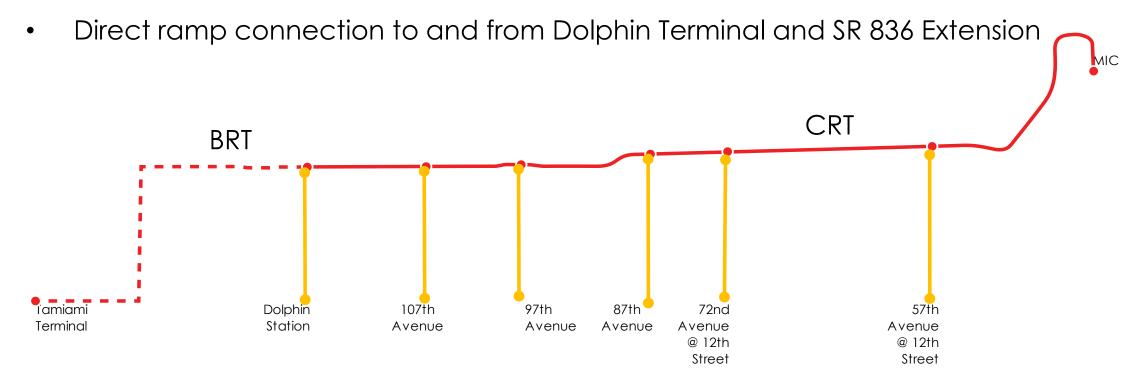


Avenue

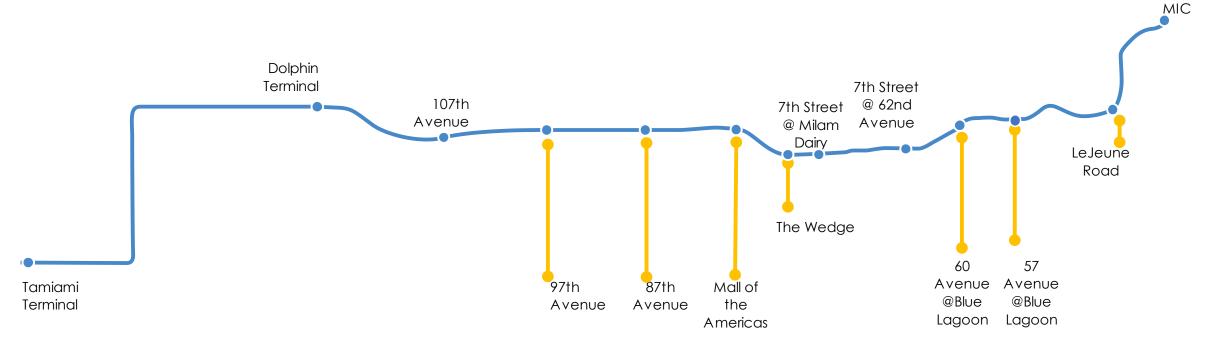
MIC

CRT/BRT Alternative

- Reversible Center Dedicated Bus Only Lanes on SW 8th Street and SW 137th Avenue
- Dedicated Bus-on-Shoulder on SR 836 Extension to Dolphin Terminal
- At-grade reversible transit only left turn lane at the intersection of SW 8th Street and SW 137th Avenue



- HRT Alternative
 - Elevated HRT (Metrorail) on SW 8th Street from Tamiami Terminal to Dolphin Terminal
 - Elevated HRT (Metrorail) along south side of SR 836 from Dolphin to MIC via Mall of the Americas



Evaluation Parameters

- Cost
 - Construction/Capital Costs
 - Operating & Maintenance Costs
 - Cost Effectiveness
- Mobility
 - Mode shift from auto to transit
 - Ridership/Trip on Project
 - Travel Time
- Environmental Effects
 - Noise impacts
 - Potential number of parks affected
 - Contamination/Hazardous sites impacts

	BRT Refined	HRT Refined	CRT Refined
	Alternative 2	Alternative 3	Alternative 4
I	Route 1 - Tamiami Terminal to MIC Route 2 - Tamiami Terminal to Downtown Route 3 - Dolphin Station to MIC	Tamiami Terminal to MIC (no transfer to Dadeland South Station)	BRT Shuttle - Tamiami Terminat to Dolphin Station CRT - Dolphin Station to the MIC





- Recommended Alternative BRT Alternative
 - Competitive travel times
 - Estimated ridership ~7,000 to 11,000 riders per day
 - Greater flexibility than rail for future expansion
 - Iconic stations that
 - encourage TOD and economic development
 - provide gateway to City of Doral
 - Compatible with implementation of CSX as future transit improvement
 - West Kendall connection via SW 157th Avenue widening
 - Federal & State funding opportunity

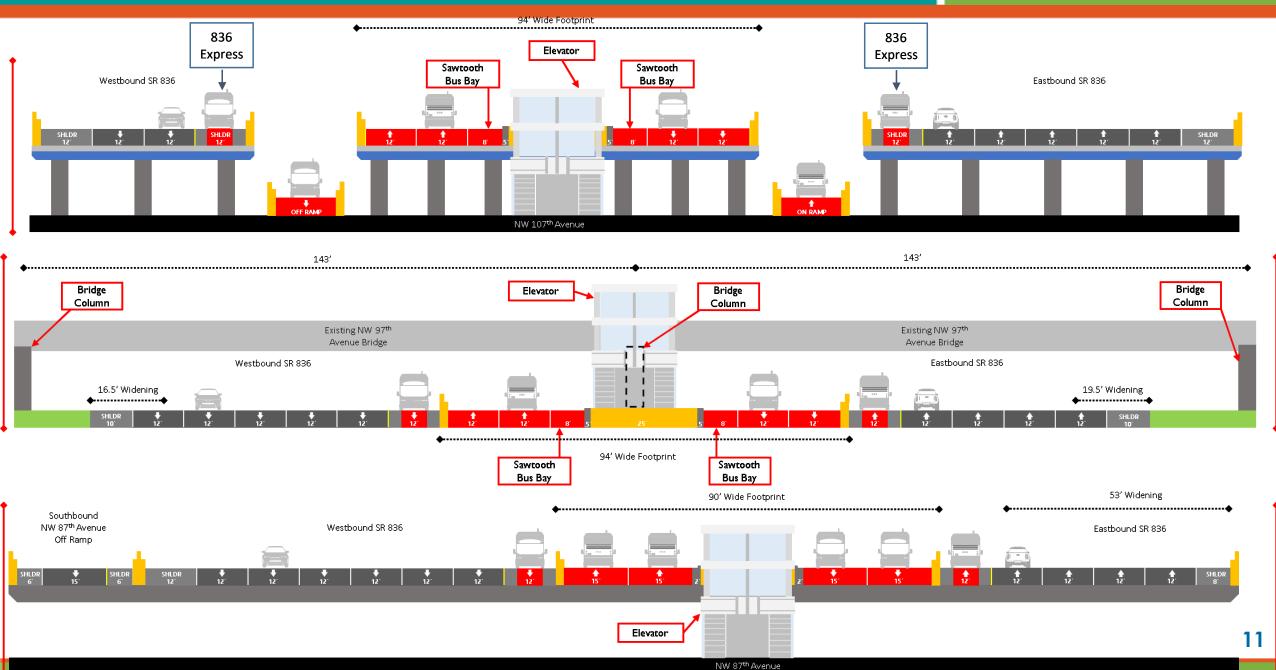
Leverage Federal Dollars – Project Phases

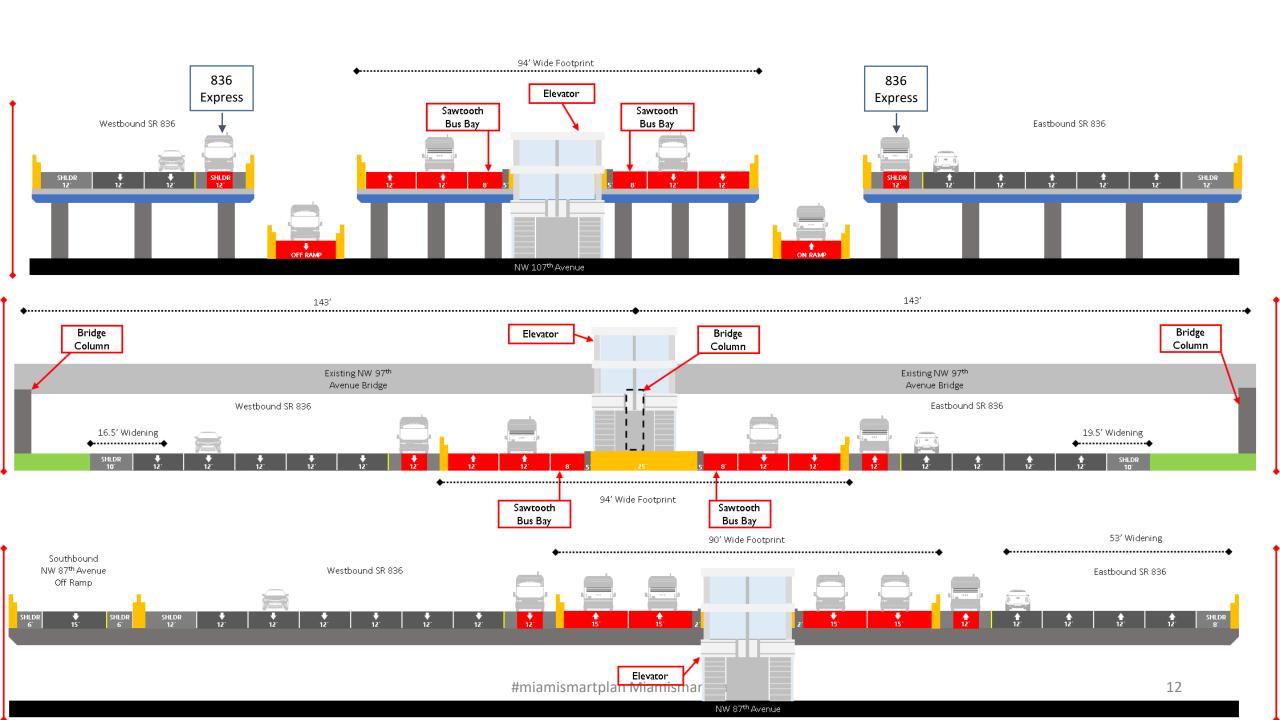
BRT Alternative

- Implement in two phases eligible for Small Starts
- Eligibility Criteria:
 - Capital Cost \$300M
- Federal Funding up to \$100M
- Proposed Phasing:
 - Phase 1 BRT Route 1 Tamiami to MIC and Route 2 Tamiami to Downtown. Estimated Capital Cost Approx. \$265 million
 - Phase 2 BRT from Dolphin to MIC. Estimated Capital Cost Approx. \$153 million

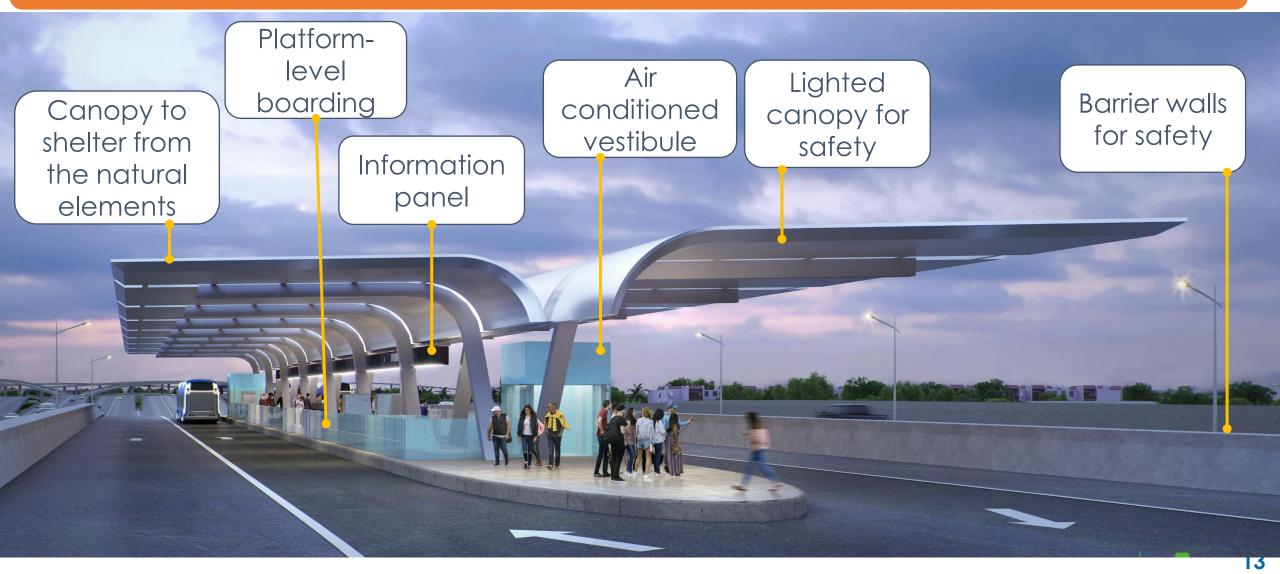
State-of-the-Art Facilities – Center Station Features

- BRT Bus lanes in median of SR 836
- Maintains inside shoulder dedicated lanes for 836 Express point to point service
- Constructed within MDX right-of-way
- Allows for development of iconic center station platforms
- Facilitates safe transfer between local buses and trolleys
- Provides for pedestrian friendly and short walking distances between park-and-ride lots and platforms
- Provides for other future additional transit modes such as Commuter Rail on the CSX tracks
- Facilitate future implementation of Automated/Connected Vehicle technology
- Enhances safety:
 - Eliminates conflicts with vehicles entering and existing SR 836 with the right shoulder-running operation
 - Requires no street or BRT lanes crossing





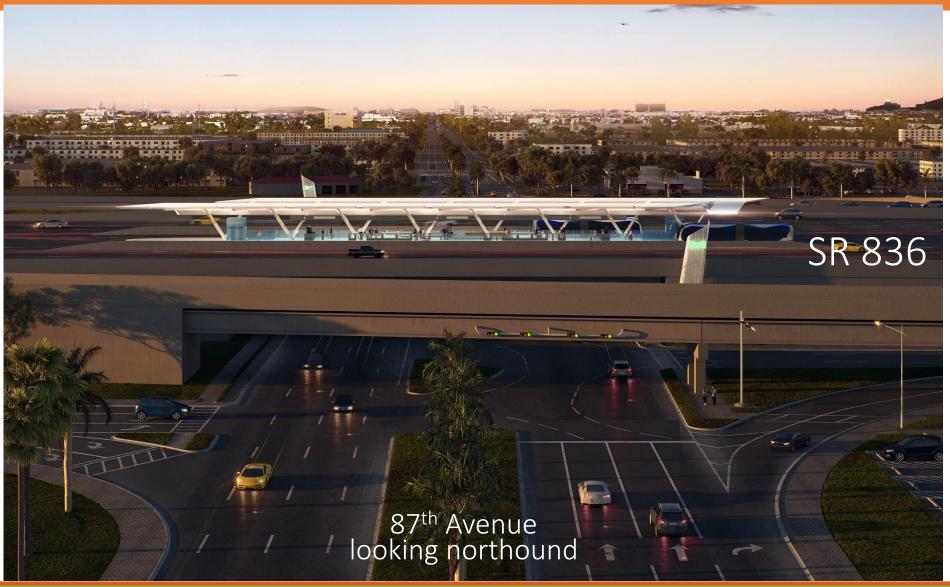
State-of-the-Art Facilities – SR 836/Dolphin Expressway



State-of-the-Art Facilities – SR 836/Dolphin Expressway



State-of-the-Art Facilities – SR 836/Dolphin Expressway



State-of-the-Art Facilities – SR 836 – 87th Avenue Station



NW 87th AVE STATION

State-of-the-Art Facilities – NW 7th Street



State-of-the-Art Facilities – NW 7th Street



Who Benefits

110,000

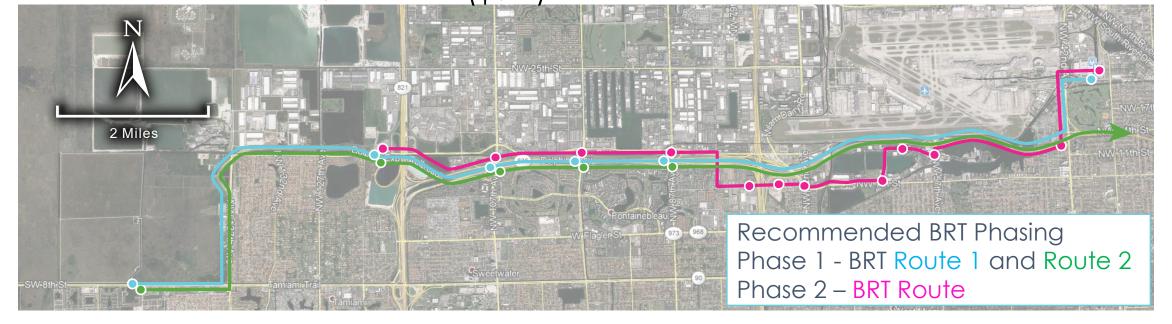
People

102,000

Employees

- Dolphin TOD
- West Kendall
- City of Doral
- City of Sweetwater
 - City of Miami
- Florida International University
 - Flagami
- Miami International Airport
- Miami Intermodal Center
 - Fountainebleu
 - Mall of the Americas
 - Dolphin Mall
 - Blue Lagoon
 - Downtown Miami

- Leveraging Leveraging Leveraging Federal Dollars
- •Funding Plan for the Recommended Alternative BRT
 - Two Small Starts Projects Phase 1 (\$265M) & Phase 2 (\$153M)
 - Funding for BRT Phase 1 included in Financial Plan Fiscal Priority Committee July 2020
 - •Federal Funds 33% / State Funds 33% / Local Funds 33%
 - O+M Cost will be funded by local funds Phase 1 (\$17.2M) & Phase 2 (\$6M)



Public Engagement

Meetings to Date

- Agency Kick-off Meeting June 13, 2017
- Public Kick-off Meeting June 15, 2017
- Corridor Workshops 2 workshops
- Alternatives Workshops 2 workshops
- Project Advisory Group Meetings 2 meetings
- One-on-One Meetings (21 meetings)
- Partnership Meetings (9 meetings)
- Presentations to Municipalities
 - City of Doral
 - City of Sweetwater
 - City of Miami

Spring 2020 Meetings

- Project Advisory Group (PAG)
 - One-on-one meetings
 - Partnership Meetings
- •TPO Sub-committee Meetings
 - TPO Governing Board Meeting



Summer 2020 Meetings

- One-on-one briefings
- Partnership Meetings
- •TPO Governing Board Meeting

Resolutions of Support

- Citizen Independent
 Transportation Trust (CITT)
- Bicycle and Pedestrian
 Advisory Committee (BPAC)
- •Freight Transportation Advisory Committee (FTAC)
- Citizen Transportation Advisory Committee (CTAC)

Schedule



We are here

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