

SMART PLAN | UPDATE

2018 TRANSPORTATION SUMMIT

MIAMI-DADE COUNTY |
DEPARTMENT OF TRANSPORTATION + PUBLIC WORKS

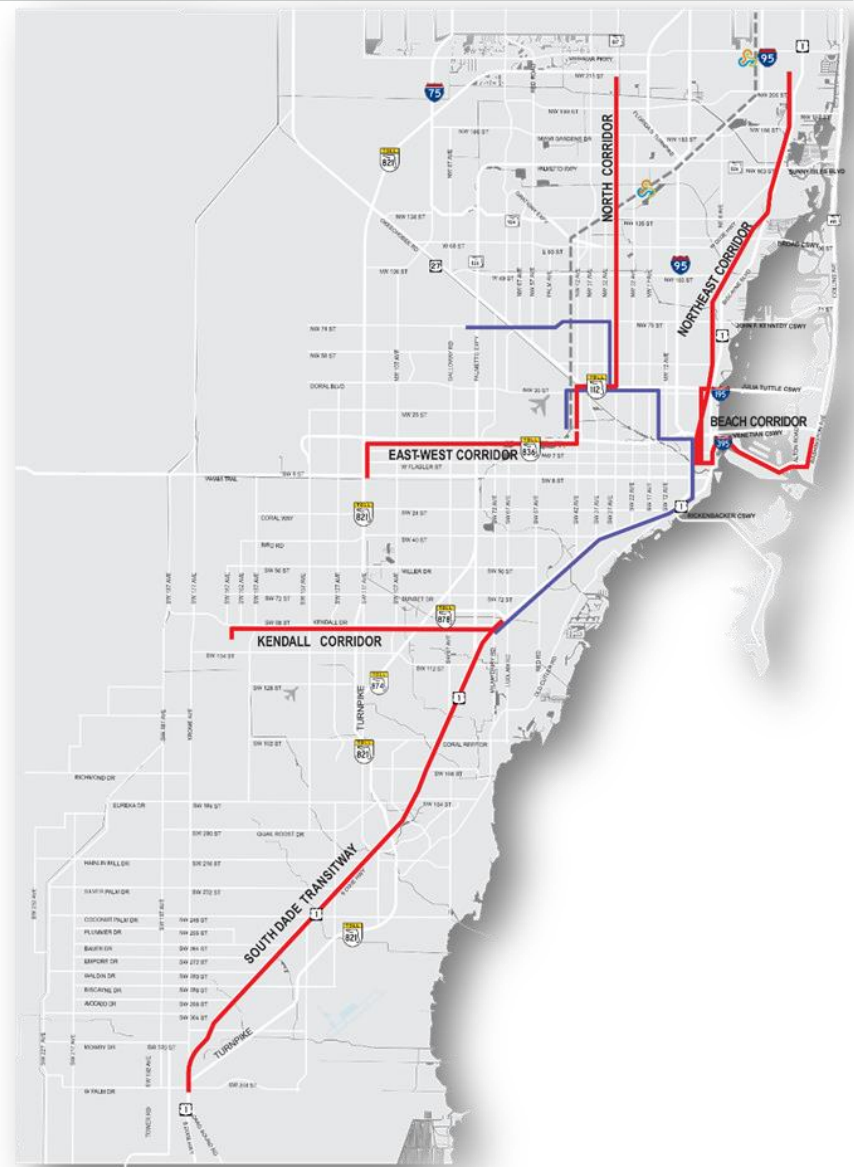
presented by **Alice N. Bravo, PE, Director**

JANUARY 26, 2018



STRATEGIC MIAMI AREA RAPID TRANSIT (SMART) PLAN

Corridor Name	Corridor Length (miles)	NEPA Lead Agency
Beach Corridor	9.7	DTPW
East-West Corridor	11	DTPW
Kendall Corridor	10	FDOT-6
North Corridor (NW 27th Avenue)	12	FDOT-6
Northeast Corridor (Tri-Rail Coastal Link)	13.5	FDOT-4; DTPW
South Corridor	20	DTPW



RAPID TRANSIT PD&E STUDY



BUS RAPID TRANSIT (BRT)

LIGHT RAIL TRANSIT (LRT)



HEAVY RAIL TRANSIT (HRT)

HEAVY RAIL AT-GRADE

PREMIUM TRANSIT STUDY

STUDY LIMITS

SR-94/Kendall Drive/SW 88th Street
from SR-997/Krome Avenue/SW177th
Avenue to Dadeland North Metrorail
Station.

LENGTH

10.7 miles

UNIQUE MARKETS

Local communities and major malls.

KENDALL CORRIDOR | PROPOSED VIABLE ALTERNATIVES

CURBSIDE LANES BRT

High-capacity, frequent service, and retains median. Limited right turns.

MEDIAN LANES BRT

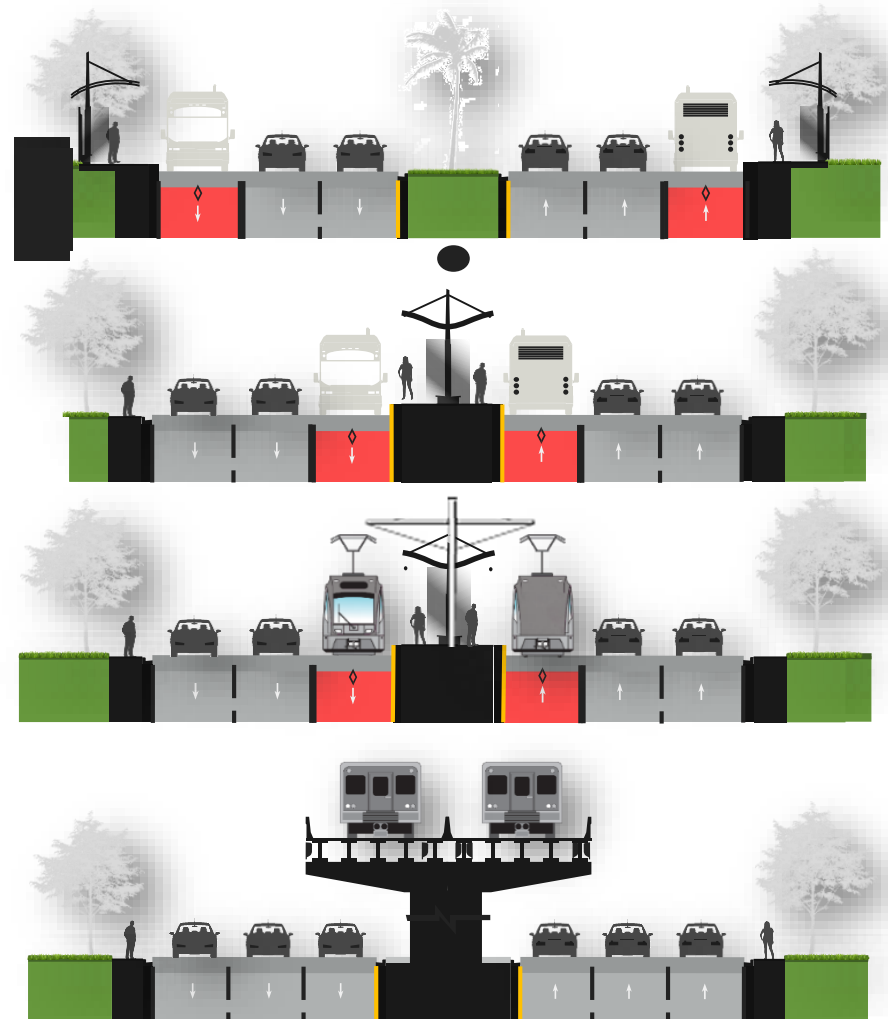
Easier access to driveways and entrances. Convenience to passengers having stations in the median. Limited left turns.

MEDIAN LANES RAIL

Easier access to driveways and entrances, convenience to passengers having stations in the median. Limited stops and left turns.

ELEVATED RAIL

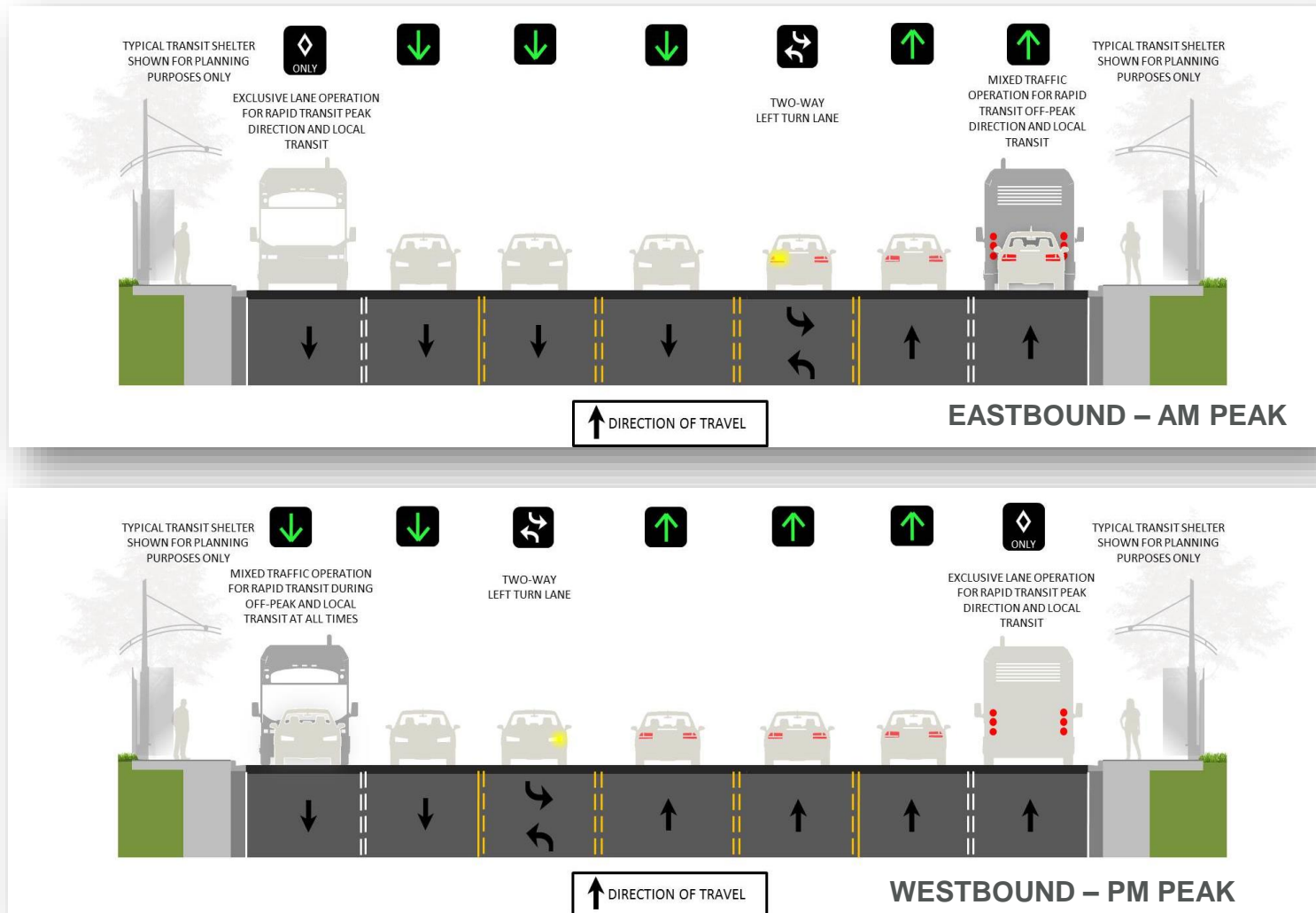
High-capacity with limited impacts to general local traffic. Part of an expanding network but provides limited stops and has to build ridership.



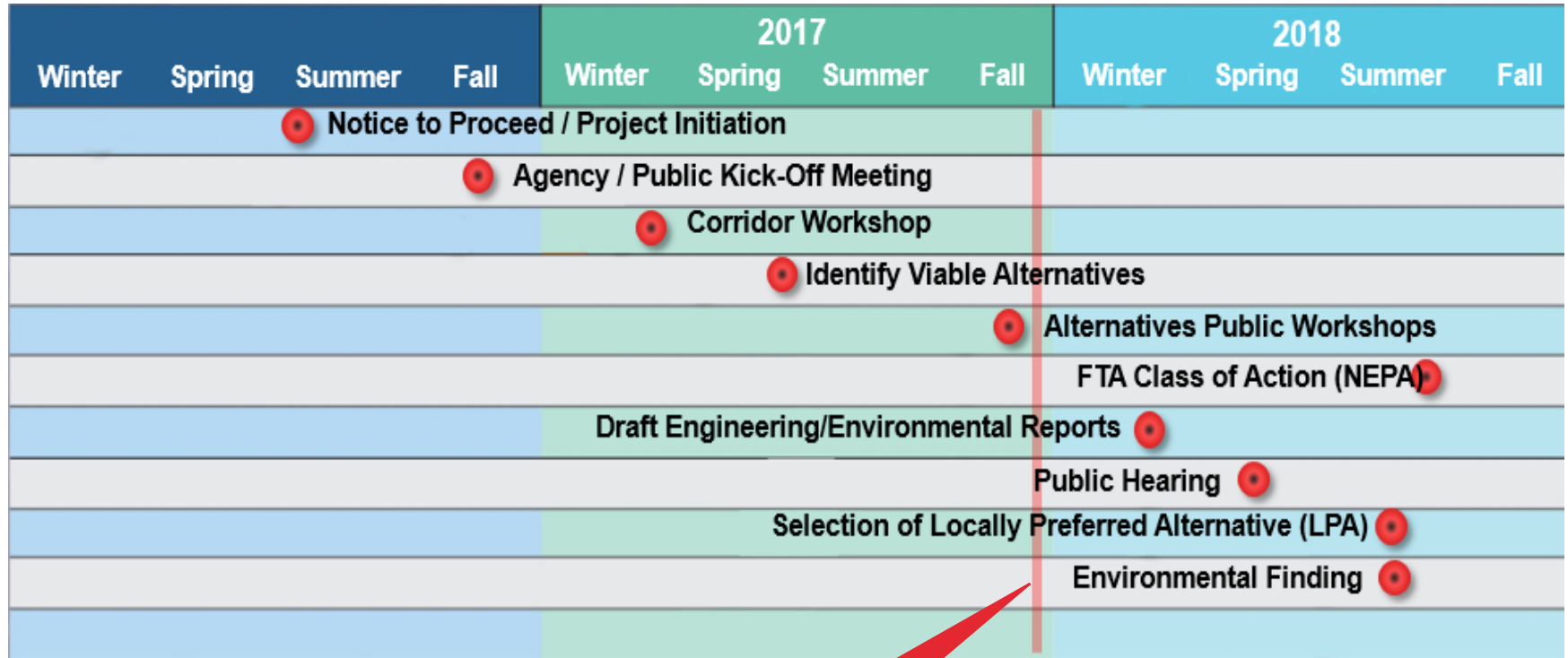
KENDALL CORRIDOR | PROPOSED VIABLE ALTERNATIVES

CURBSIDE BRT LANES WITH REVERSIBLE CENTER LANE

High-capacity, frequent service, and retains peak period peak direction capacity.

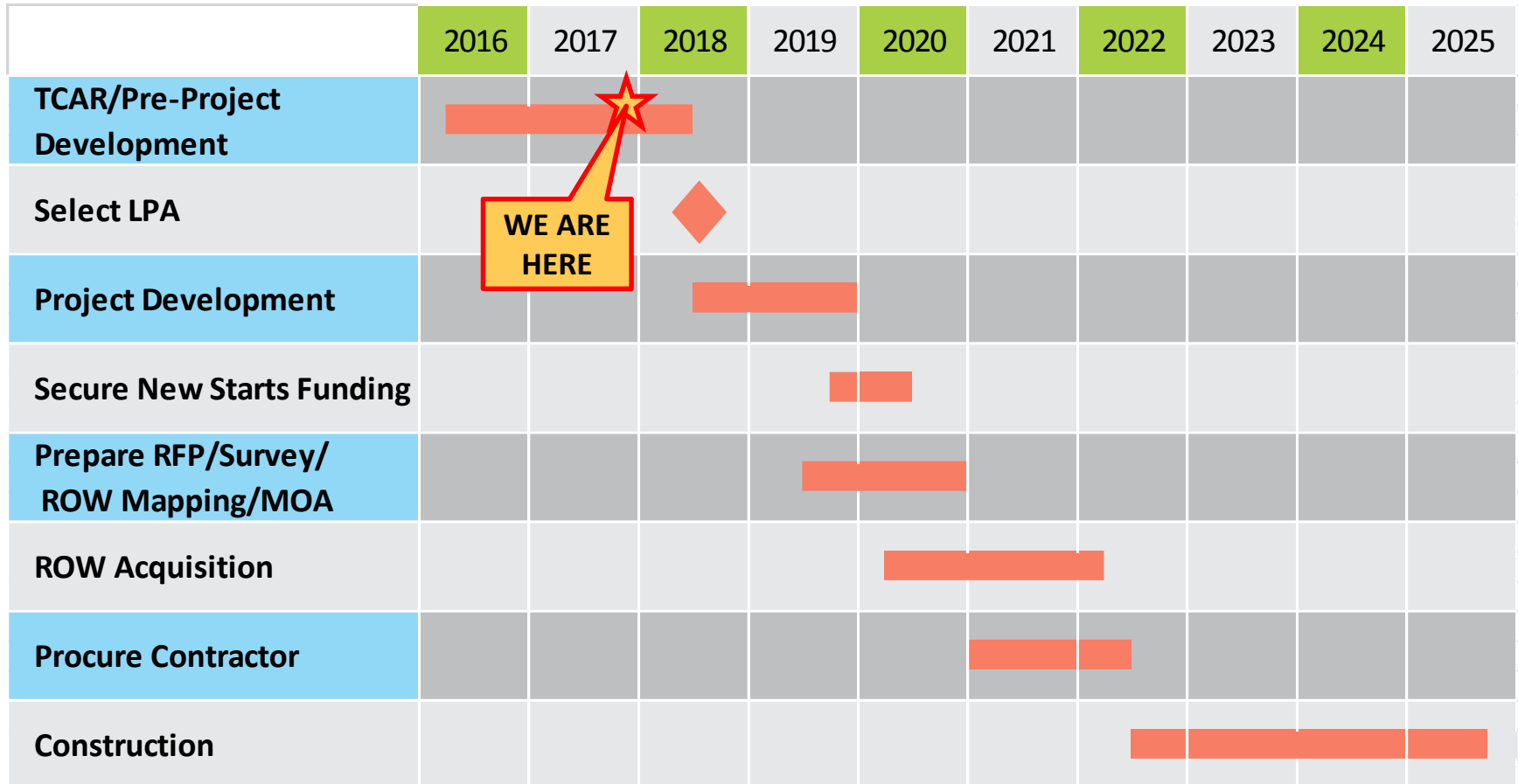


KENDALL CORRIDOR | PROJECT MILESTONE SCHEDULE

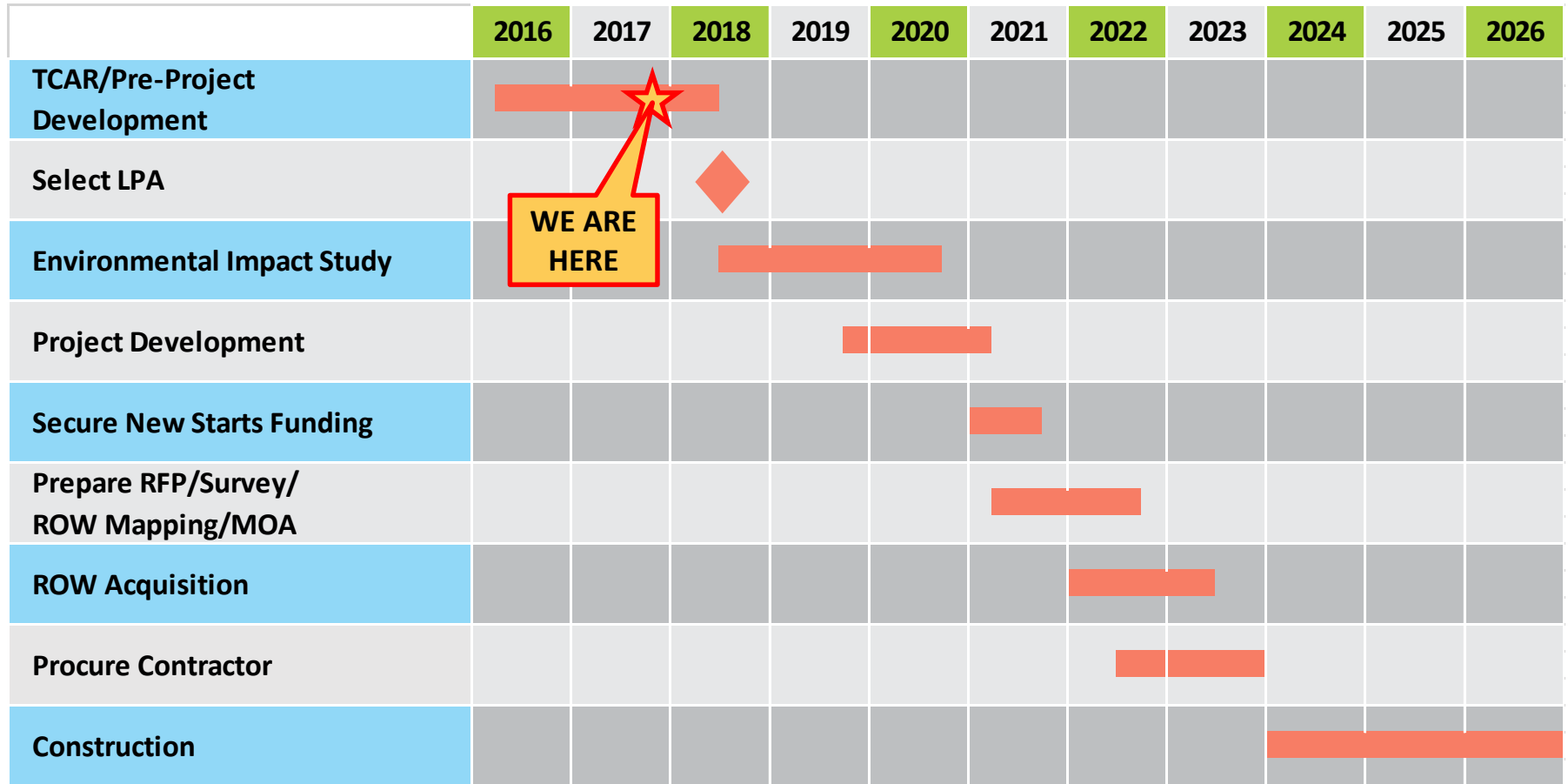


**WE ARE
HERE**

KENDALL CORRIDOR | CATEGORICAL EXCLUSION SCHEDULE



KENDALL CORRIDOR | ENVIRONMENTAL IMPACT STUDY SCHEDULE



NORTHEAST CORRIDOR | DESCRIPTION



STUDY LIMITS

From Downtown Miami to City of Aventura

LENGTH

14 Miles

UNIQUE MARKETS

Regional destinations, major employment centers and malls.

FIVE ADDITIONAL STATIONS

- ▶ Aventura
- ▶ North Miami Beach
- ▶ North Miami
- ▶ Upper Eastside
- ▶ Midtown/Design District

THE SOUTHERN MOST SEGMENT OF THE TRCL PROJECT



TRI-RAIL COASTAL LINK | DESCRIPTION



NEW COMMUTER RAIL

85-mile commuter rail service from Miami to Jupiter as an integrated extension of Tri-Rail.

STATIONS

25 stations to be evaluated during Project Development phase.

Co-located stations with AAF in Miami, Ft. Lauderdale and West Palm Beach (under construction).

TRACKS

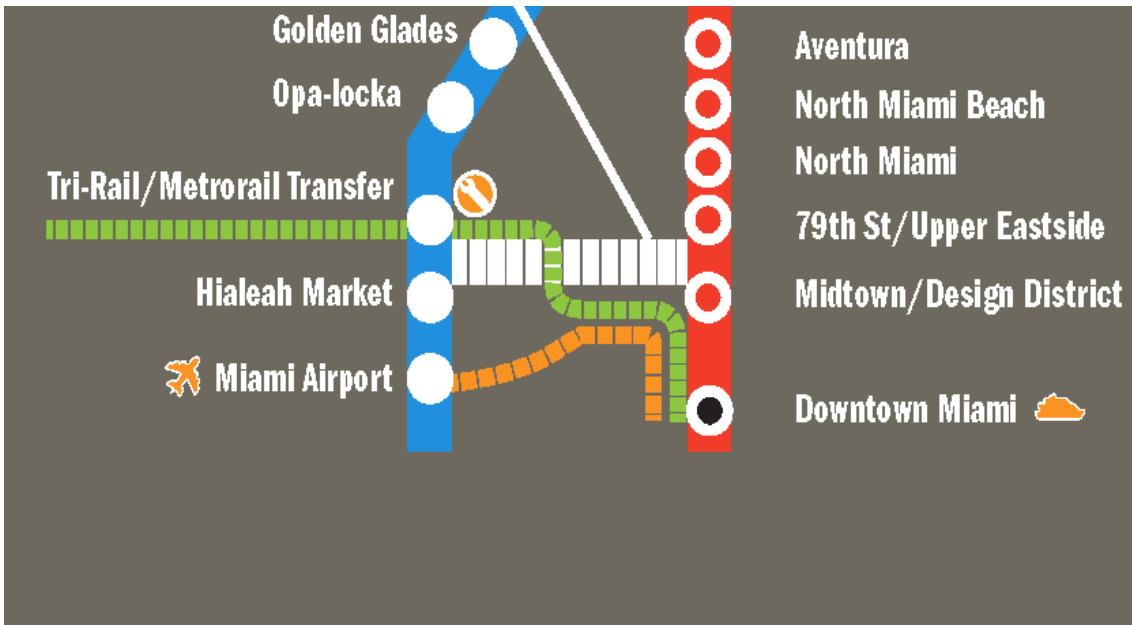
Shared tracks with FEC freight and All Aboard Florida (AAF) - Brightline Intercity Passenger Service.

PHASED IMPLEMENTATION

Phased project implementation likely based on availability of local matching funds.

PROJECT GOVERNED BY PARTNERSHIP MEMORANDUM OF UNDERSTANDING (MOU) EXECUTED IN 2013.

NORTHEAST CORRIDOR | STATUS



STATUS

CORRIDOR PRIORITIZATION

TPO Prioritization through the SMART Plan

NEPA EFFORTS

Over 30% completed

ACCESS & FUNDING

Conducted negotiations on access and local O&M funding

NEXT STEPS

LOCAL FINANCING PLAN

Develop Local Finance Plan including O&M

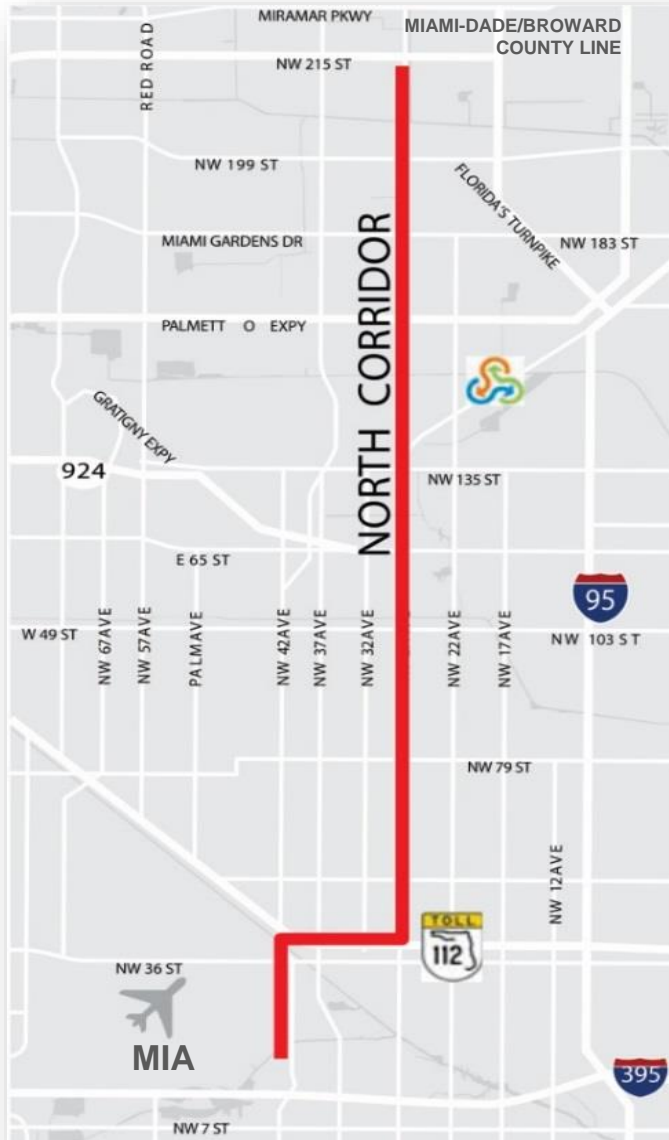
FEC ACCESS AGREEMENT

TBD after Brightline Service begins

PROJECT DEVELOPMENT

Pending access agreement & Local Financing Plan

NORTH CORRIDOR | DESCRIPTION



NW 27TH AVENUE

STUDY LIMITS

NW 27th Avenue from NW 215th Street to NW 38th Street & SR-112 from NW 27th Avenue to the Miami Intermodal Center (MIC) at Miami International Airport (MIA).

LENGTH

13 Miles

UNIQUE MARKETS

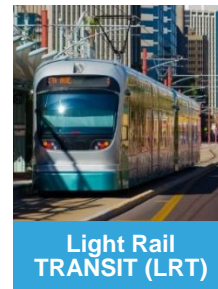
Intercounty, colleges, special event venues.



BUS RAPID TRANSIT
(BRT)



HEAVY RAIL
TRANSIT
(HRT)



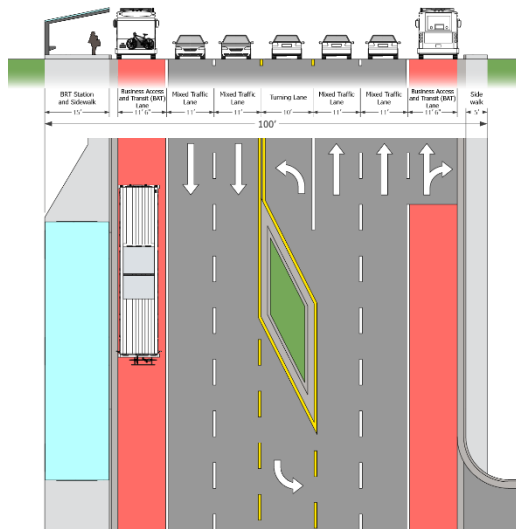
Light Rail
TRANSIT (LRT)



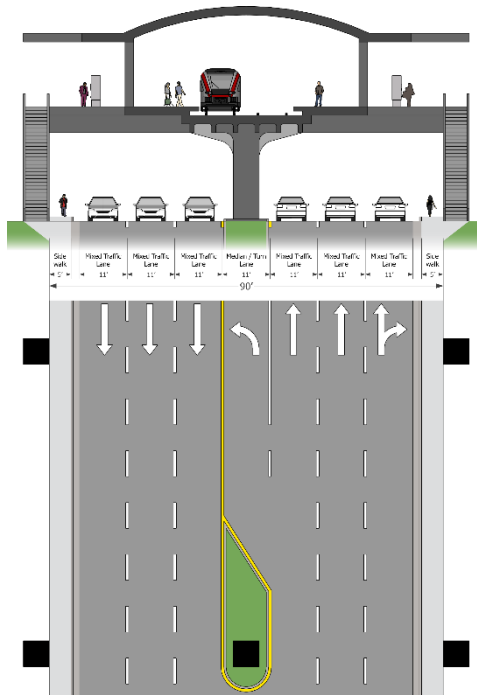
HEAVY RAIL
AT-GRADE

NORTH CORRIDOR | ALTERNATIVES ADVANCED TO TIER II

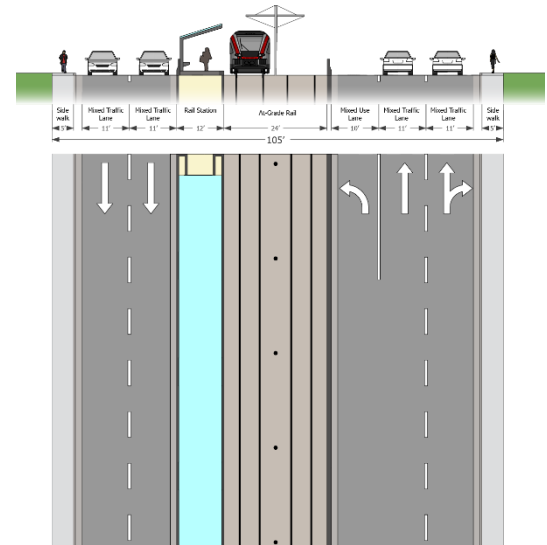
NW 27TH AVENUE



BUILD ALTERNATIVE #1
CURBSIDE
BUS RAPID TRANSIT (BRT)



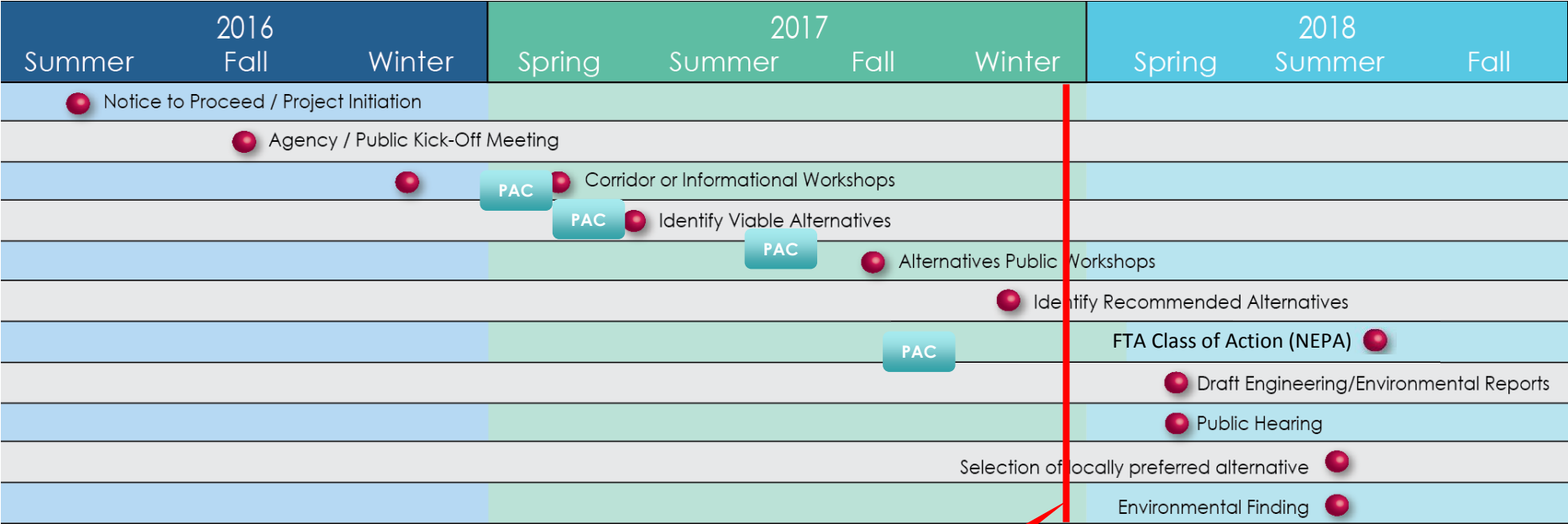
BUILD ALTERNATIVE #2
ELEVATED RAPID RAIL



BUILD ALTERNATIVE #3
MEDIAN AT-GRADE RAIL

NORTH CORRIDOR | PROJECT MILESTONE SCHEDULE

NW 27TH AVENUE



WE ARE
HERE



RAPID TRANSIT PROJECT

STUDY LIMITS

From Miami Design District to Miami Beach Convention Center.

LENGTH

9.7 Miles

UNIQUE MARKETS

Hotels, colleges, major employment centers, and special event venues.



AUTOMATED
PEOPLE MOVER
VEHICLE (APM)



LIGHT RAIL TRANSIT
(LRT)



AUTONOMOUS
VEHICLE



BUS RAPID TRANSIT
(BRT)



HEAVY RAIL
TRANSIT
(HRT)

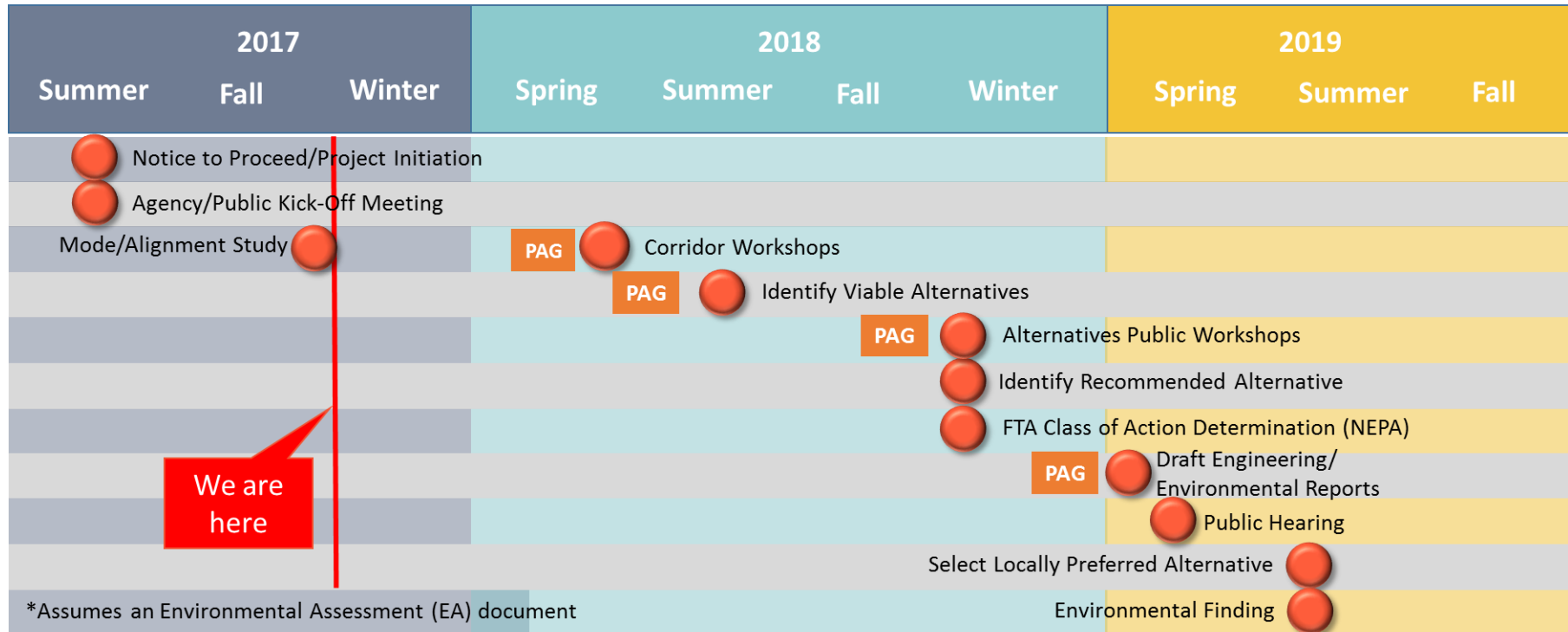


MONORAIL



AERIAL CABLE
TRANSIT (ACT)

BEACH CORRIDOR | PROJECT MILESTONE SCHEDULE



EAST-WEST CORRIDOR | DESCRIPTION



RAPID TRANSIT PROJECT

STUDY LIMITS

From Florida International University (FIU) to Miami Intermodal Center (MIC) at Miami International Airport (MIA).

LENGTH

10 Miles

UNIQUE MARKETS

Colleges, major malls and employment centers, and MIA.



BUS RAPID TRANSIT
(BRT)



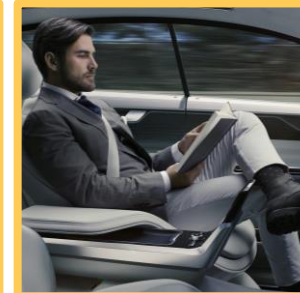
LIGHT RAIL TRANSIT
(LRT)



COMMUTER RAIL



HEAVY RAIL TRANSIT
(HRT)



AUTONOMOUS
VEHICLE



HYPERLOOP

EAST-WEST CORRIDOR | PROJECT MILESTONE SCHEDULE



SOUTH CORRIDOR | DESCRIPTION



Note: Row acquisition at SW 211th Street (target property) has been initiated.

RAPID TRANSIT PROJECT

STUDY LIMITS

From Florida City to Dadeland South Metrorail Station.

LENGTH

20 Miles

UNIQUE MARKETS

Colleges, hospitals, and major malls.



LIGHT RAIL TRANSIT (LRT)



HEAVY RAIL TRANSIT (HRT)



BUS RAPID TRANSIT (BRT)



AUTONOMOUS VEHICLE

SOUTH CORRIDOR | PROJECT MILESTONE SCHEDULE

2017			2018				2019	
Summer	Fall	Winter	Spring	Summer	Fall	Winter	Spring	Summer
● Notice to Proceed/Project Initiation/Class of Action Determination								
	● Agency/Public Kick-Off Meeting							
	● FTA Issues Class of Action - Environmental Assessment (EA) for Rail Options							
	PAG ● Corridor Workshops/Initiate EA							
		● Identify Viable Alternatives						
			PAG ● Alternatives Public Workshops					
				● Identify Recommended Alternative				
					PAG ● Draft Engineering/Environmental Reports			
						● Public Hearing		
							● Select Locally Preferred Alternative	
							● Environmental Finding	

**WE ARE
HERE**

ENVIRONMENTAL ASSESSMENT (NEPA)

FTA requires an Environmental Impact Study(EIS) for rail options which takes no less than 2 years.

NEPA CLEARANCE

FTA has issued NEPA clearance for BRT– no further NEPA required.