



Interstate 195

Project Development & Environment (PD&E) Study

I-195/SR 112 From NW 12th Ave to SR 907/Alton Road
FPID No. 440228-2

Alternatives Public Information Meeting
(Virtual + In-Person)

February 26 & 28, 2024

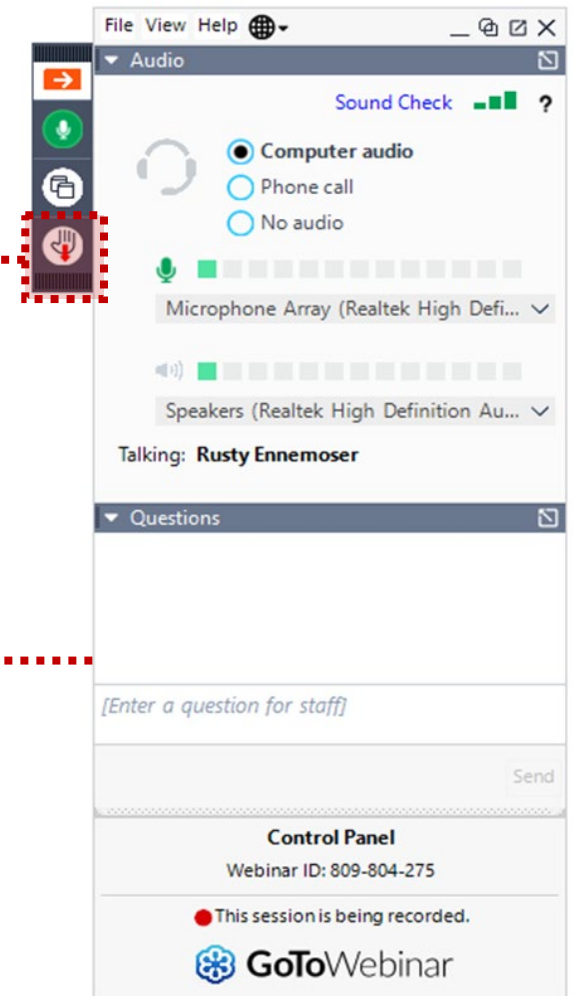


Rules of Engagement

Virtual attendees are **automatically muted** to start the meeting

To provide comments during open discussion period:

- Call 1 (562) 247-8422; access code: 181-987-895
- Use “Raise hand” button during comment period, you will be unmuted in order of raising hands
- Submit comments via the “Questions” Box

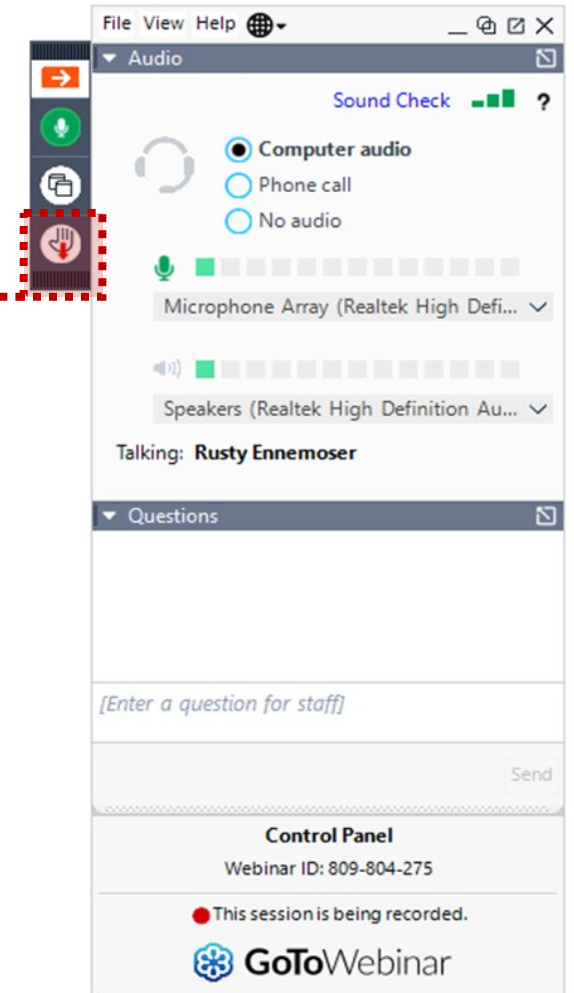


If you are having technical difficulties, please contact:

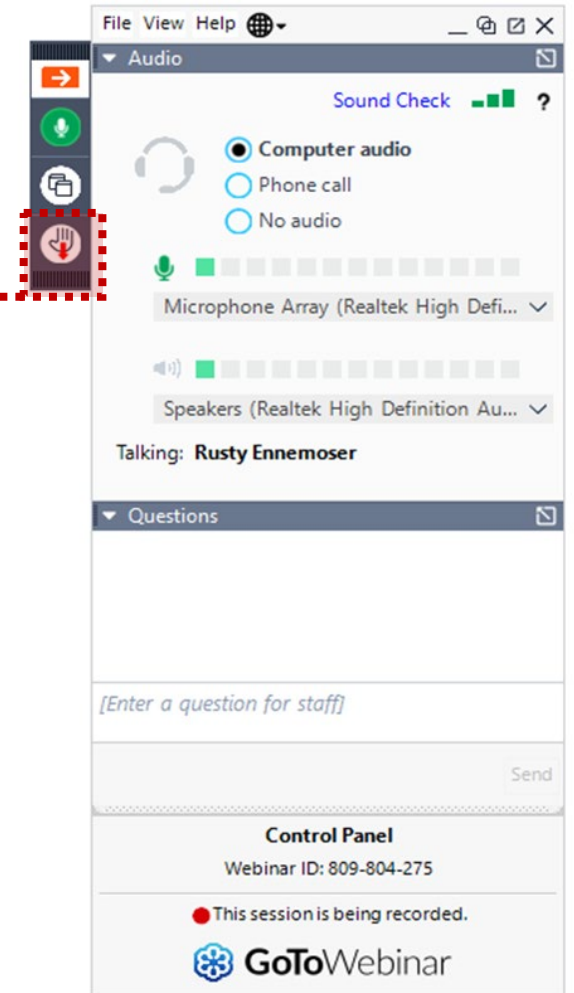
e: vsalinas@mrgmiami.com

p: 786-614-0050

Si necesita traducción durante la reunión, utilice el botón de levantar la mano y un miembro de nuestro equipo le ayudará.



Si w bezwen tradiksyon pandan reyinyon sa a, tanpri peze bouton pou leve men an epi yon moun ki nan ekip nou an va ede ou.



Presenters



FDOT Project Manager:
Ivette Funtanellas, P.E.



Consultant Project Manager:
Robert Linares, P.E.



Environmental Scientist:
Caitlin Hill

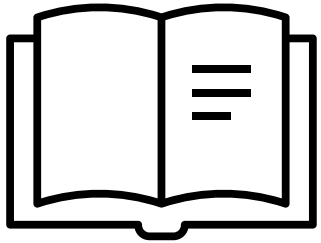


Consultant Project Engineer:
Stefan Escanes, P.E., PTOE

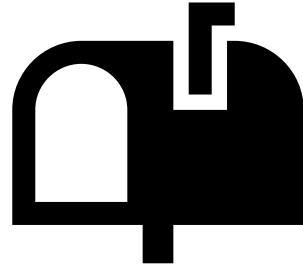


Community Outreach Specialist:
Paulette Summers

Public Notice



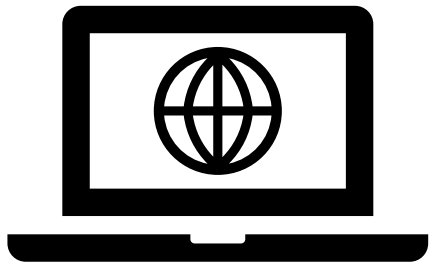
Florida Administrative Register



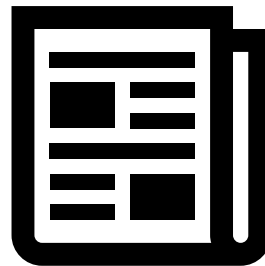
Property owner letters



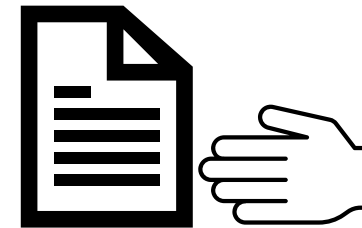
Email to project contacts list



FDOT website



Newspaper



Hand delivery

National Environmental Policy Act (NEPA) Assignment

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration and FDOT.

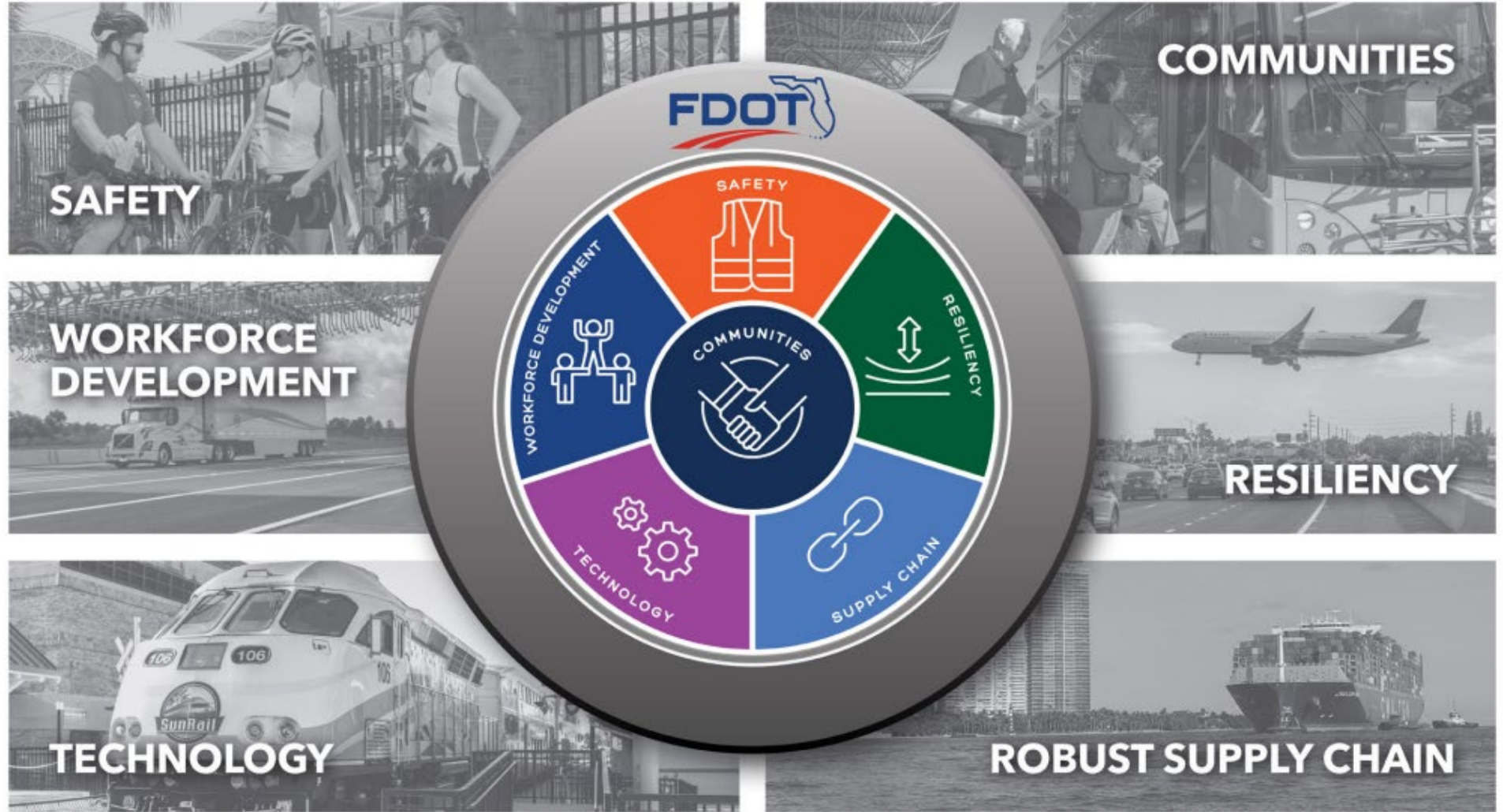
Title VI of the Civil Rights Act of 1964

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons wishing to express concerns relative to FDOT compliance with Title VI may do so by contacting:

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District Six Title VI Coordinator
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Miami, Florida 33172
(305) 470-5219
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Stefan Kulakowski
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All inquiries or concerns will be handled according to FDOT procedure and in a prompt and courteous manner.



Study Area



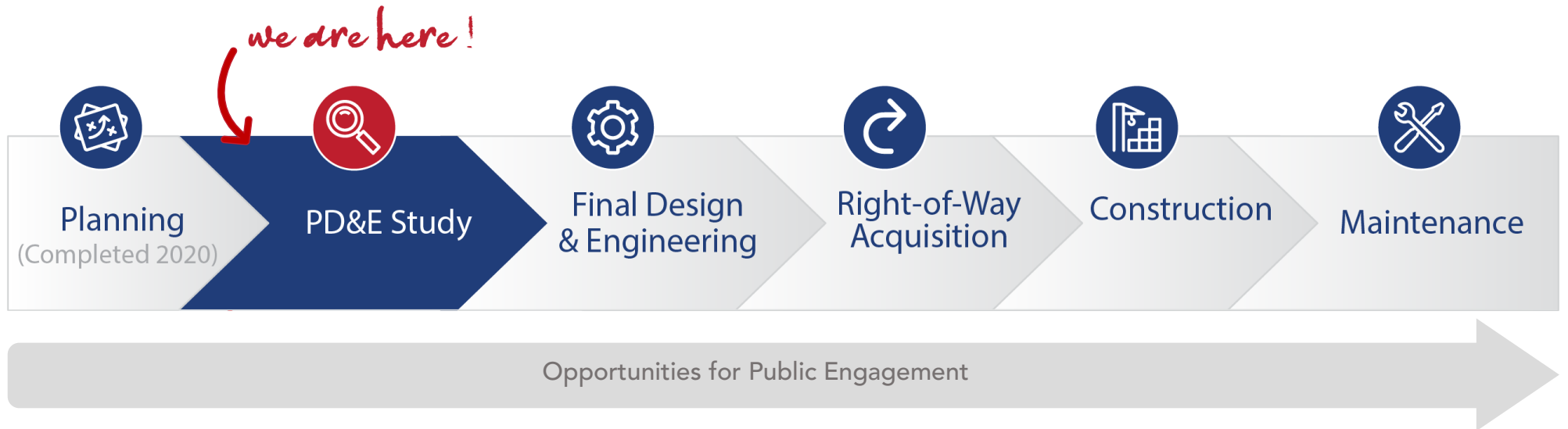
-  Address Operational Deficiencies
-  Enhance System Linkage/Regional Connectivity

-  Enhance Multimodal Connectivity

-  Improve Safety

What is a PD&E Study?

A Project Development and Environment (PD&E) Study is a blending of engineering analysis, environmental analysis, and public involvement activities. The process is used by engineers and planners to determine the location and conceptual design of the preferred roadway improvements.



PD&E Study Process

1

Data Collection

- Engineering Data
- Environmental Data
- Survey
- Traffic Data
- Existing Conditions

2

Initial Alternative Development

- Needs Analysis
- Initial Alternatives Development
- Screen Alternatives
- Traffic Analysis

3

Environmental Analysis

- Environmental Analysis & Studies
- Environmental documentation

4

Engineering Analysis & Design

- Engineering Analysis
- Alternatives Refinement & Screening
- Interchange Access Request

5

Final PD&E Documents

- Preliminary Engineering Report
- Type 2 Categorical Exclusion
- Interchange Access Request

Location Design Concept Acceptance (LDCA)

Project moves to Design Phase

Opportunities for Public Engagement

Background

Transportation Demand

According to the Miami-Dade Transportation Planning Organization, Long Range Transportation Plan, Miami-Dade County population is expected to increase by 67% and employment by 38% by 2045. Several existing capacity and operational deficiencies were identified which are projected to be exacerbated in the future if no improvements are made.

System Linkage

I-195/SR 112 is a Strategic Intermodal System corridor that connects to I-95 and provides critical connection for Miami Beach. Access to the I-95 express lanes is also a critical need for areas east of I-95 and Miami Beach.



Background

Safety

Several locations within the corridor are on FDOT's high crash list with multiple crash clusters indicative of safety concerns that need to be addressed.

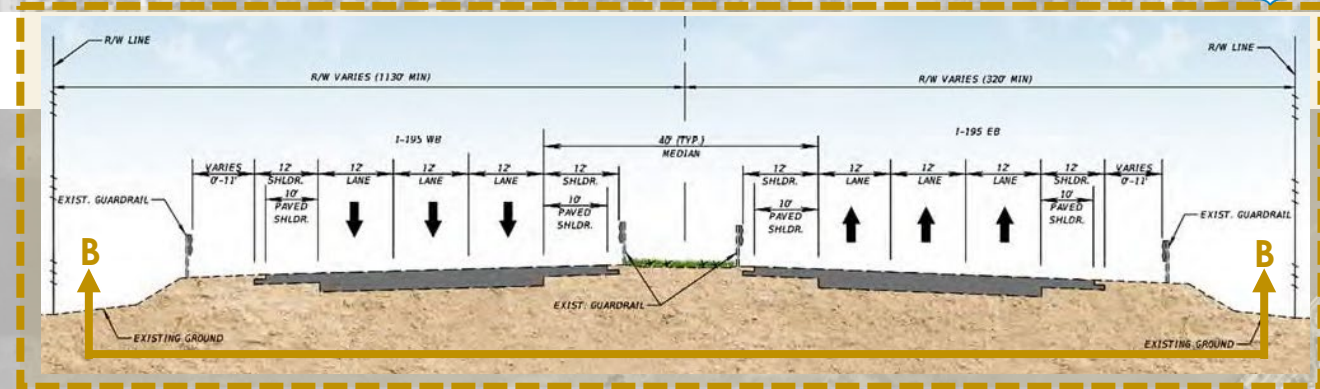
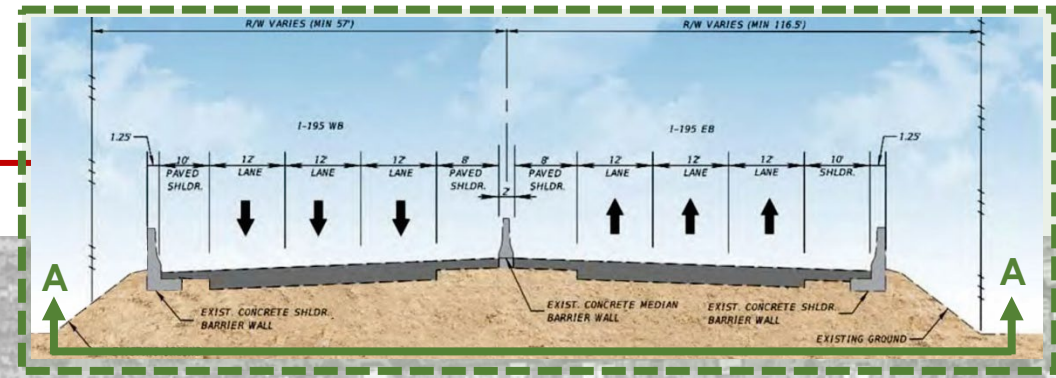
Multimodal

There is a lack of bicycle and pedestrian connectivity between Miami and Miami Beach. A separate bicycle and pedestrian facility that connects to existing facilities within Miami and Miami Beach will be evaluated. The project will also evaluate options that enhance transit opportunities.



Existing Conditions

- Limited Access Expressway
- 3 Lanes per direction
- Interchanges
 - I-95/SR 9
 - N Miami Avenue
 - US 1/Biscayne Blvd
 - SR 907/Alton Road
- Right-of-Way Constraints
- Causeway over Biscayne Bay



Biscayne Bay



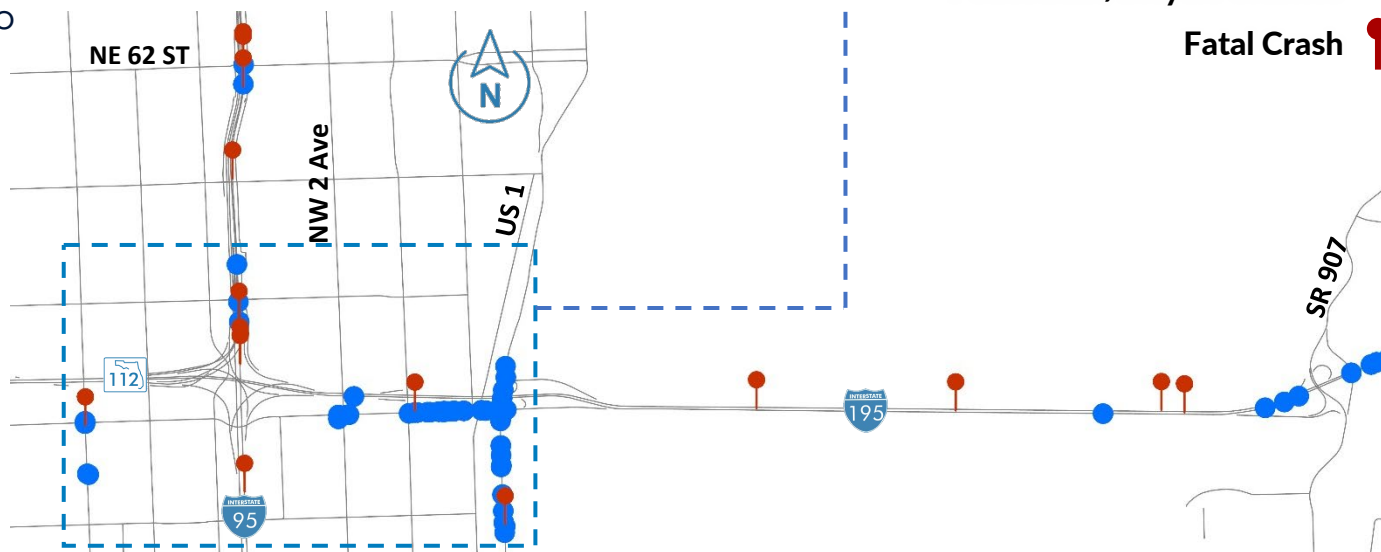
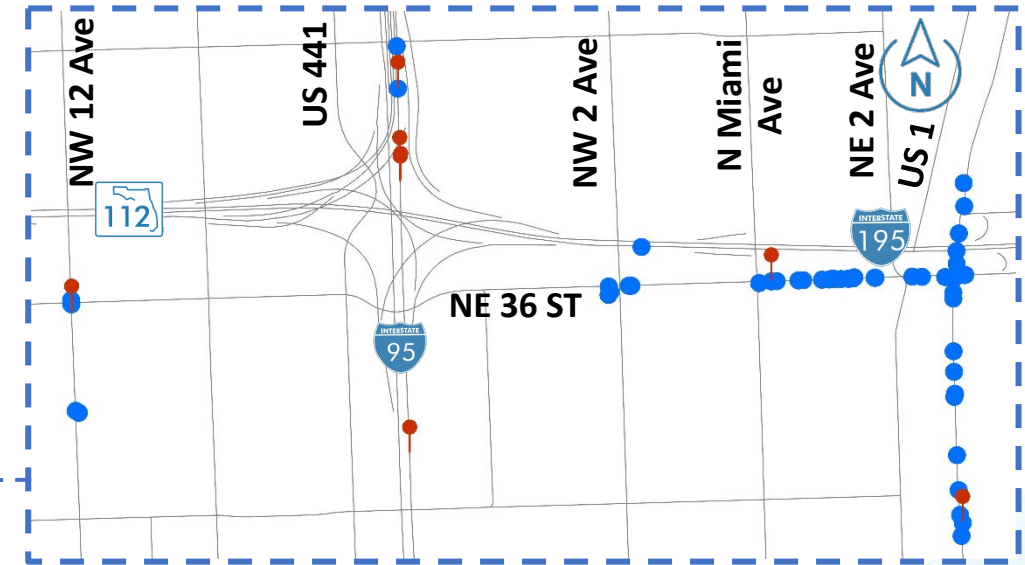
Existing Conditions: Safety

Crash Data

- 7,899 Total 5-Year Crashes (2017-2021)
- Crash Clusters
 - I-95 (within the I-195 interchange): 759 Crashes
 - I-195 at US-1 Interchange: 409 Crashes
 - I-195 from Alton Rd Ramps to 41st Street: 537 Crashes

Safety Analysis

- Safety Analysis Guidebook for PD&E Studies
- Quantitative Safety Analysis per Interchange Access Request User Guide (IARUG)
- Target Zero

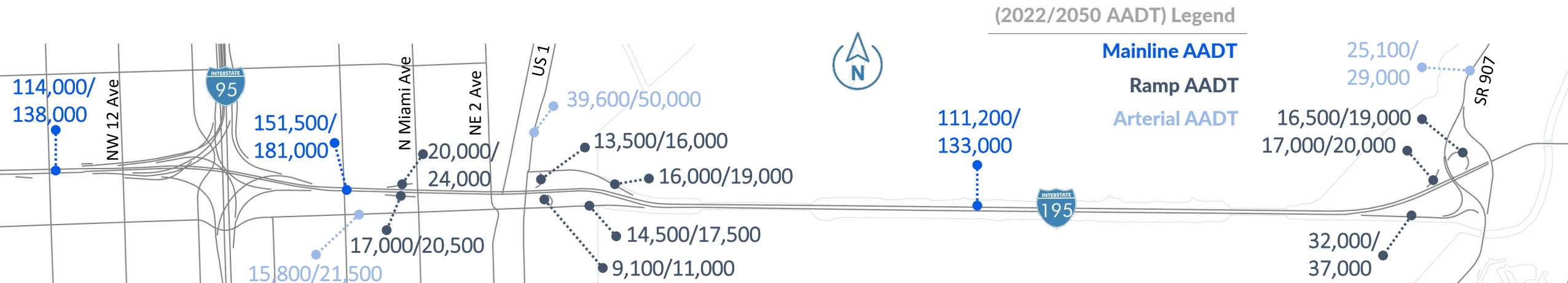


Traffic Analysis

- Traffic Data Collected - Fall-Winter 2022
- Traffic Projections – Design Year 2050
- Traffic Analysis – On-going
 - I-195 Mainline & Interchange Improvements
 - Surface Street Operational Improvements
 - Transit Travel Time
- Systems Interchange Modification Report (SIMR)



Looking West along I-195 at N. Miami Ave



Alternatives Development

No Build

Assumes no improvements are made and does not address any of the corridor needs

Transportation Systems Management and Operations (TSM&O)

Build Alternatives

PD&E Alternatives build off the Corridor Planning Study Refined Build Concept and evaluate:

- Direct Connections to the I-95 Express Lanes
- Interchange Improvements
 - N Miami Avenue
 - Biscayne Boulevard
 - SR 907/ Alton Road
- Surface Street Improvements
- Multimodal
 - Enhance transit opportunities
 - Dedicated pedestrian and bicycle facilities



Alternatives Selection Process

1

Initial Evaluation

> No Build > TSM&O/ITS > Major Alternatives

2

Tier 1: Develop Conceptual Alternatives

Systemwide Concepts

> Express Lanes Connectivity
> Transit Enhancements
> Multimodal Enhancements

Interchange Specific Concepts

> I-195 at I-95 > I-195 at Biscayne Blvd
> I-195 at N. Miami Ave > I-195 at Alton Rd

3

Tier 2: Build Alternatives Evaluation

> Alternative 1 > Alternative 2 > Alternatives Public Information Meeting

4

Tier 3: Alternative Refinement Evaluation

> Preferred Alternative > Public Hearing

Alternatives Improvements Overview

- Four (4) Focus Areas of Improvements

Focus Area 1 (FA 1)

I-95 Interchange

NW 12 AVE



Focus Area 2 (FA 2)

N. Miami Ave/Biscayne Blvd

N Miami Ave



Biscayne Blvd

NE 36 St



Focus Area 3 (FA 3)

Causeway



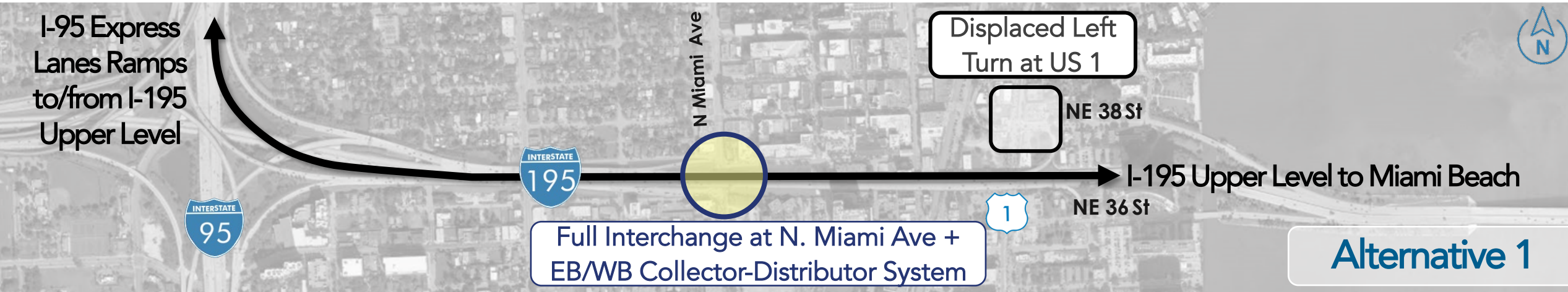
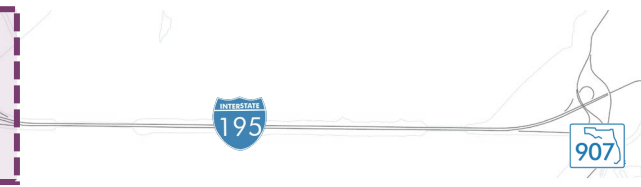
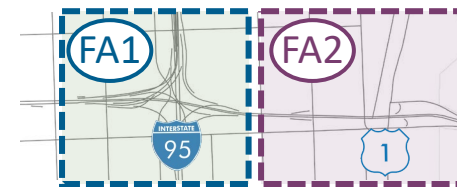
Focus Area 4 (FA 4)

Alton Rd/Mt. Sinai

Alton Rd



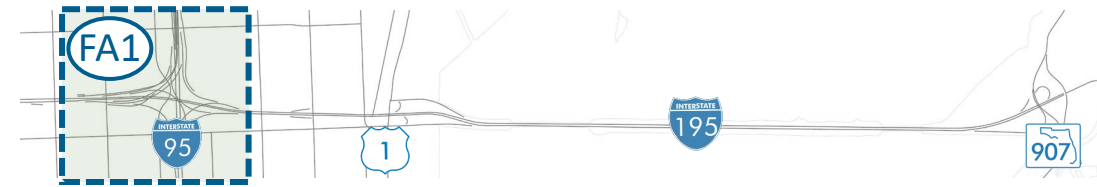
Alternatives Improvement Overview: Focus Areas 1 and 2



Bus-on-Shoulder
Upper & Lower Levels



Alternative 1: I-195/SR 112 at I-95 Interchange Improvements

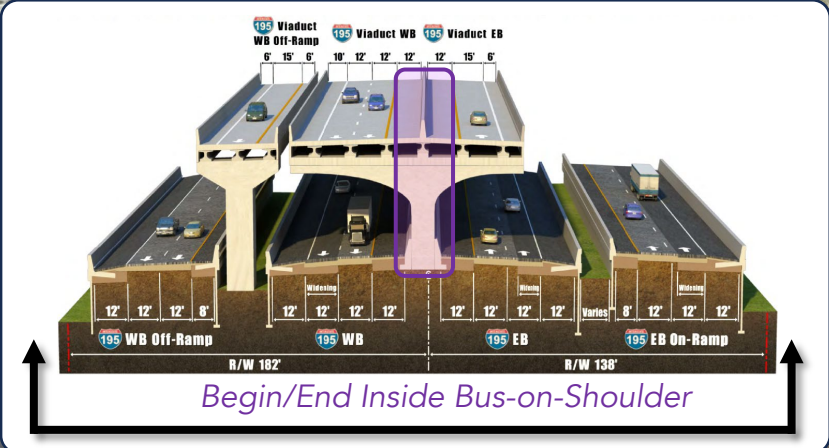


I-95 Express Lanes Connections to/from I-195 Upper Level

Westbound I-195 Upper Level to I-95 General Purpose

Begin/End Bus-on-Shoulder

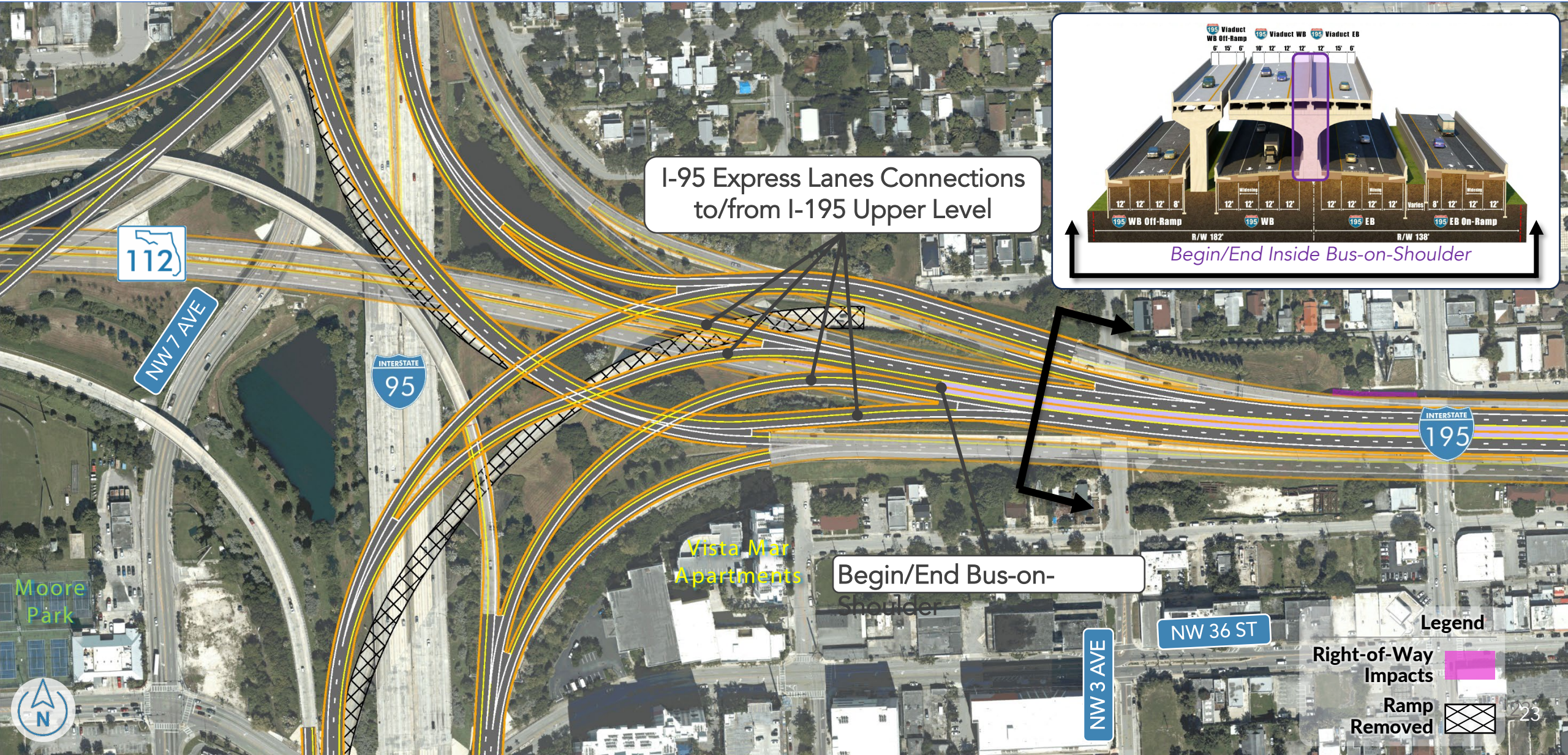
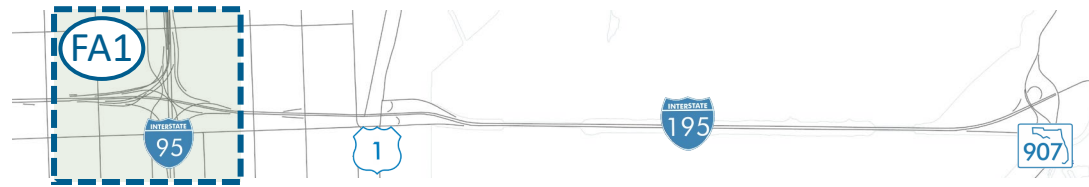
I-95 General Purpose Ramp to Eastbound I-195 Upper Level



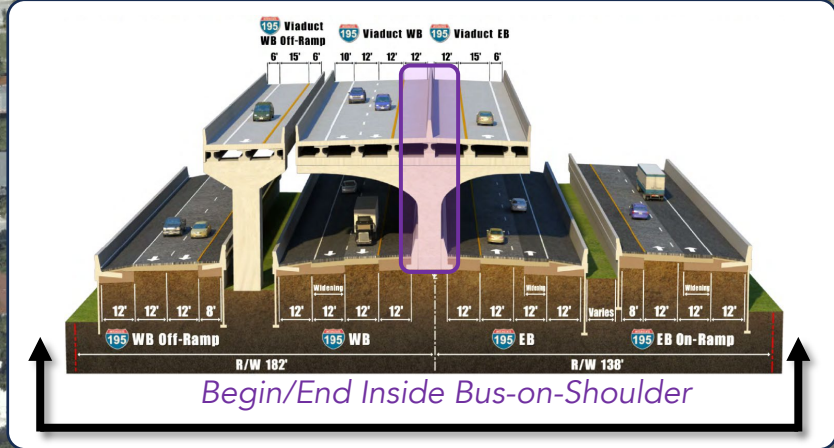
Legend

- Right-of-Way Impacts
- Ramp Removed

Alternative 2: I-195/SR 112 at I-95 Interchange Improvements



I-95 Express Lanes Connections to/from I-195 Upper Level



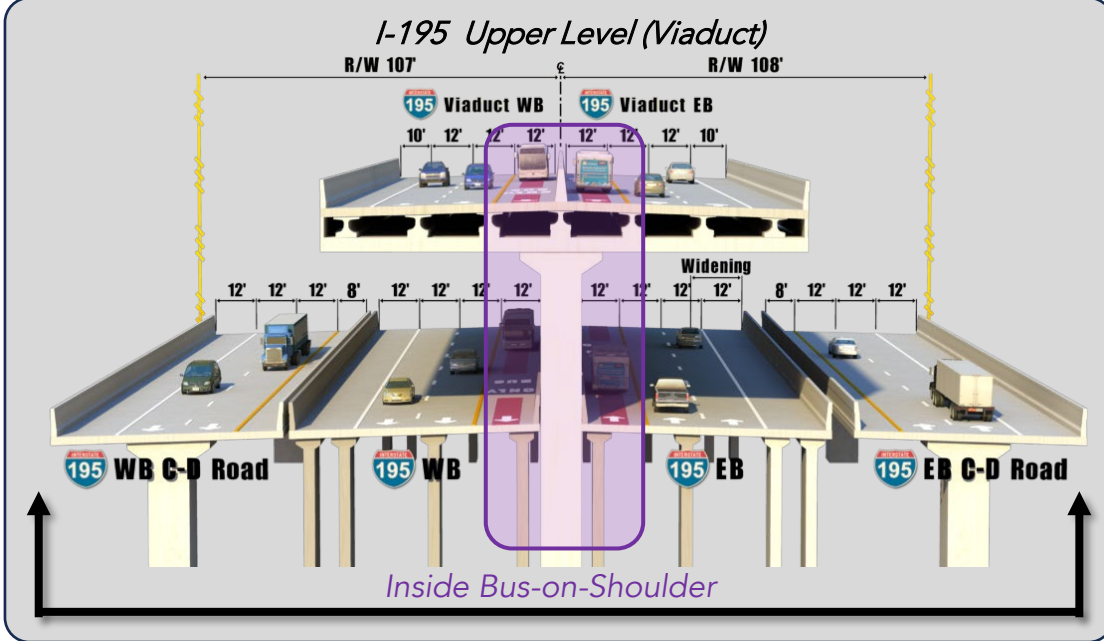
Begin/End Bus-on-Shoulder

Legend

- Right-of-Way Impacts [Pink Box]
- Ramp Removed [Hatched Box]

Alternative 1: N. Miami Avenue & US 1 Improvements

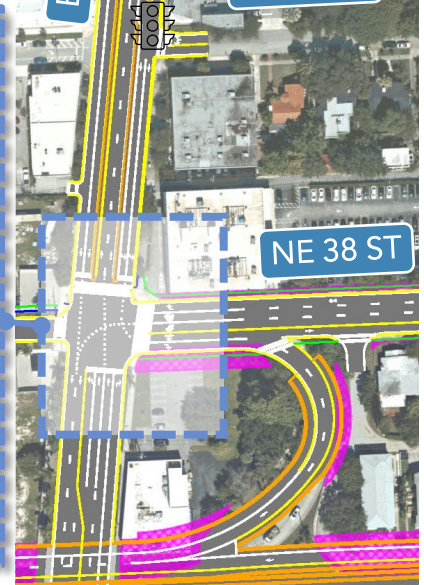
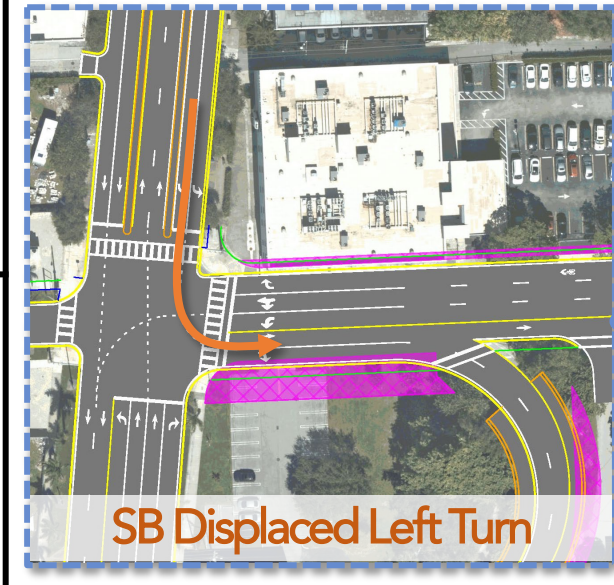
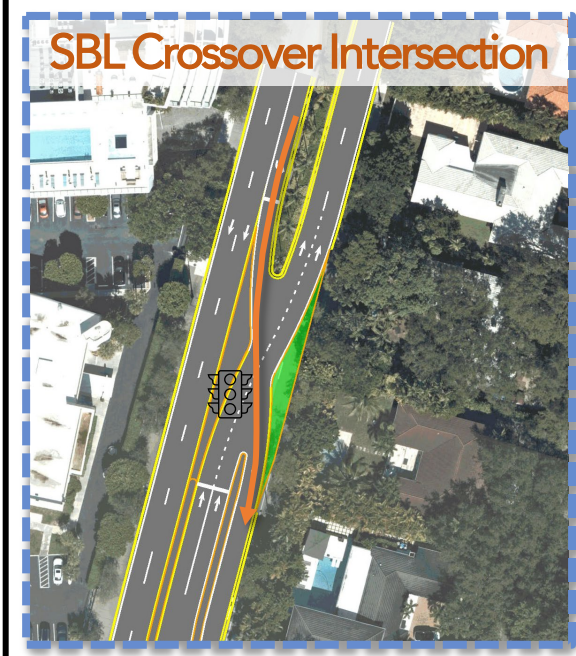
Typical Section with Upper Level and Collector-Distributor System



Legend

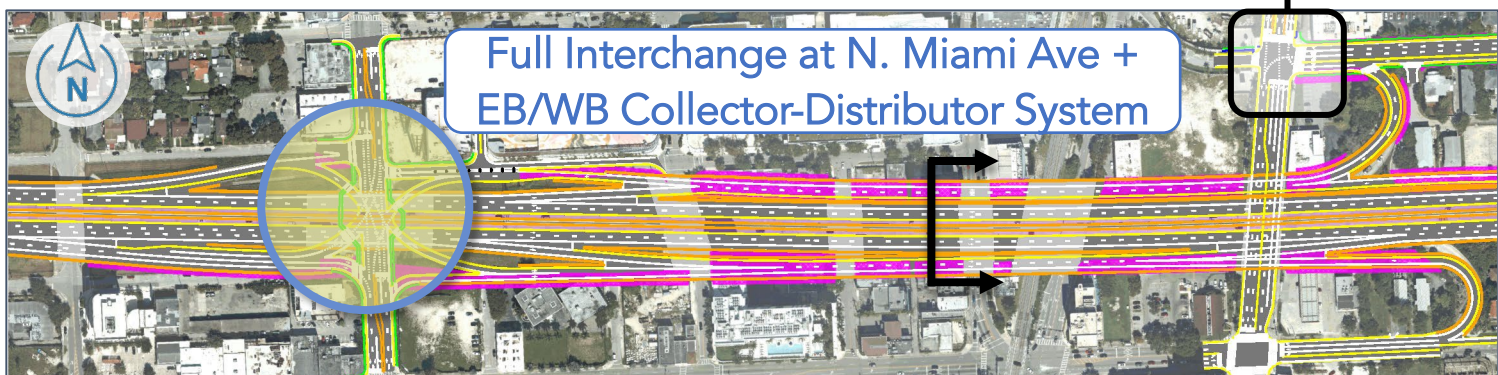
Right-of-Way Impacts

New Traffic Signal

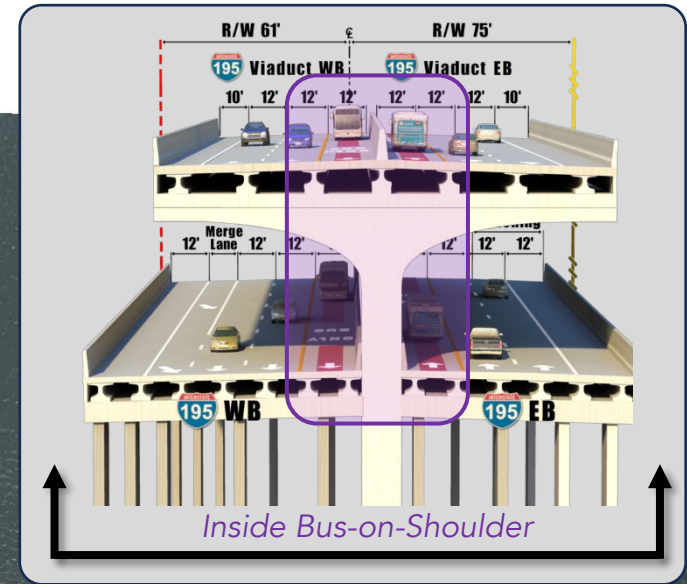
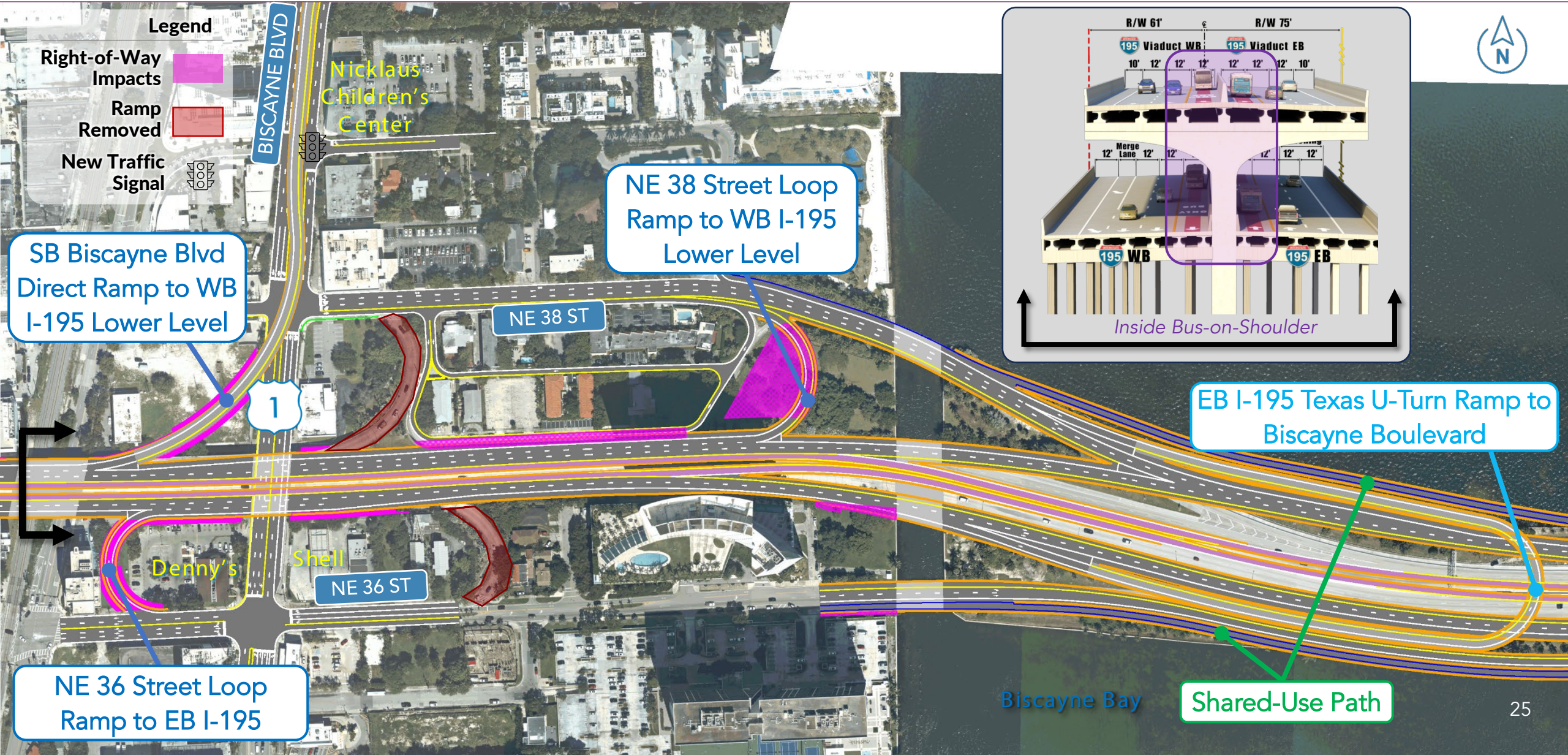
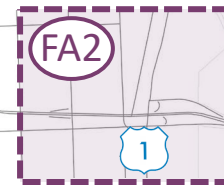


Displaced Left Turn at US 1

Full Interchange at N. Miami Ave + EB/WB Collector-Distributor System



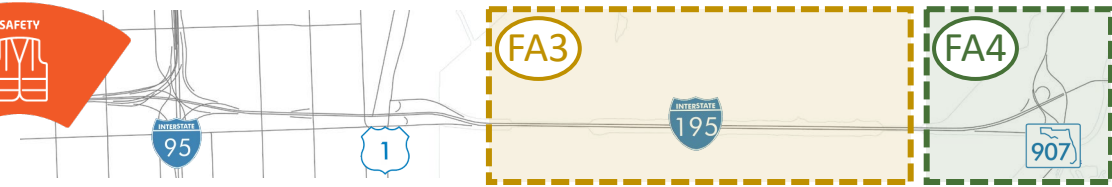
Alternative 2: US 1/Biscayne Blvd Interchange Improvements



EB I-195 Texas U-Turn Ramp to Biscayne Boulevard

Shared-Use Path

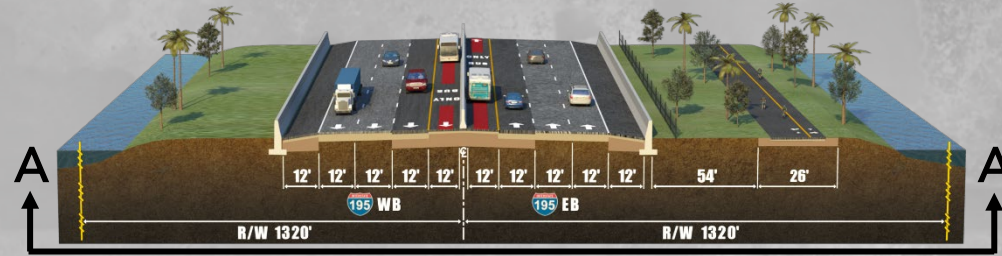
Alternatives Improvement Overview: Focus Areas 3 and 4



Alternative 1



Shared-Use Path Crossover



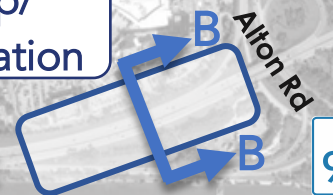
Bus-on-Shoulder

South Side Shared Use-Path

NB Triple Left Turns



WB On-Ramp/
Mainline Separation

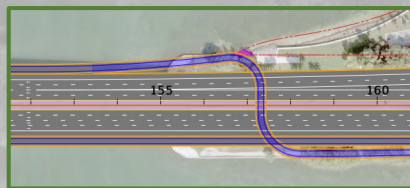
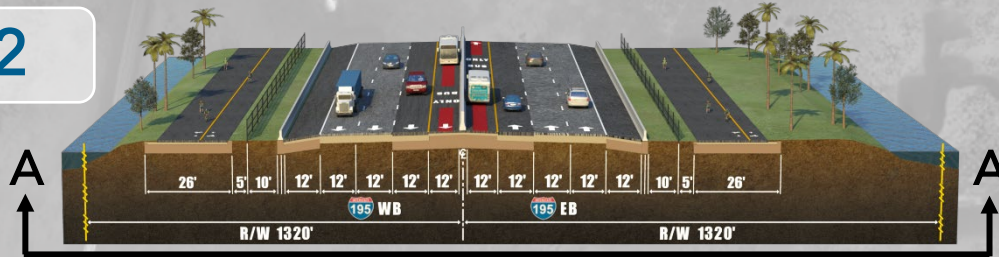


WB On-Ramps Barrier Separation

Bus-on-Shoulder



Alternative 2



Shared-Use Path Crossover

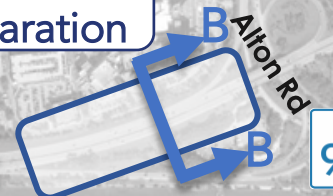
Bus-on-Shoulder

North & South Side Shared Use-Path

NB Triple Left Turns



WB On-Ramp/
Mainline Separation



Engineering Analysis

Drainage:

- Stormwater runoff flows into Biscayne Bay Aquatic Preserve an Outstanding Florida Water (OFW)
- 13 total drainage basins within the project area
- Water quality treatment capacity available within the existing right-of-way
- Preparation of High-Water Memorandum for resiliency initiatives & coordination with agencies

Structures:

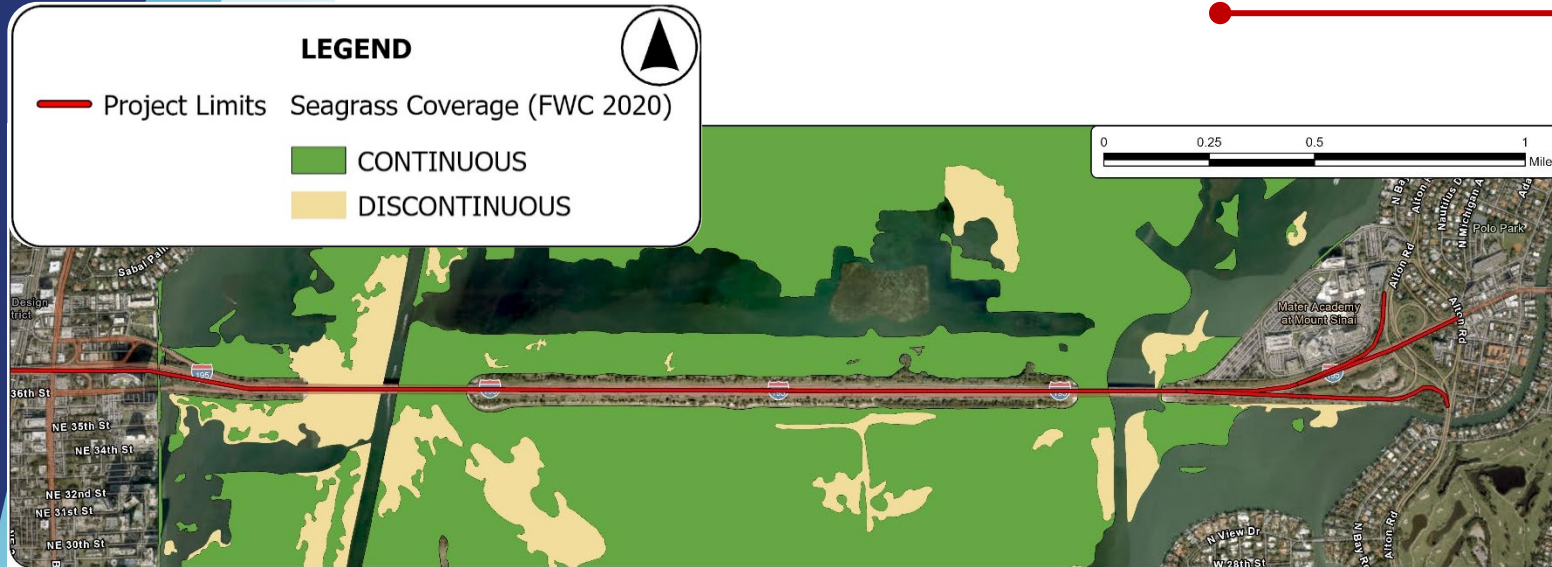
- New I-195 Upper Level (Viaduct)
- 10 to 20 New Interchange Ramps
- Widening of Causeway Bridge(s)

Right-of-Way: Impact on 4.8 Acres (ALT 1) and Impact on 1.9 Acres (ALT 2)

Project Phasing: Identify short-term and long-term improvements



Potential Environmental Impacts



Natural Resources Evaluation

- **Essential Fish Habitat**
 - Seagrass
 - Corals
- **Wildlife and Habitat**
 - Florida Bonneted Bat
 - Biscayne Bay Aquatic Preserve
 - USFWS Consultation Areas
 - Habitat Areas of Particular Concern
 - Critical Habitat (Manatee)
- **Other Surface Waters**
 - Outstanding Florida Water



Potential Environmental Impacts

Sociocultural Effects Evaluation

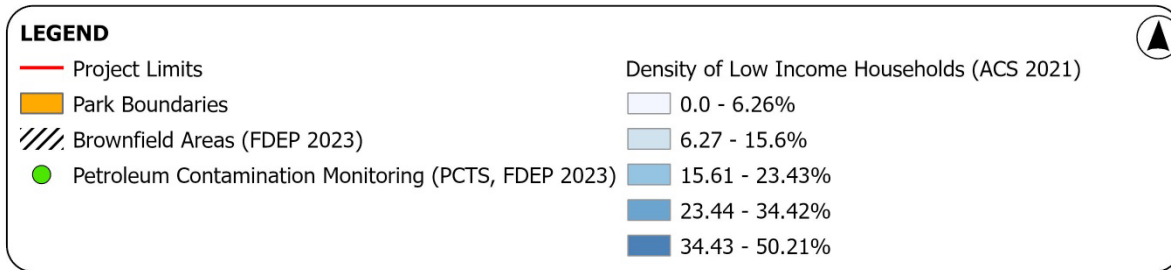
- Protected populations exist within the study area
 - Low Income and Minority

Recreational Section 4f

- Moore Park and Albert Pallot Park

Contamination Screening Evaluation

- 2 Brownfield areas and 16 petroleum contamination monitoring sites



Resiliency

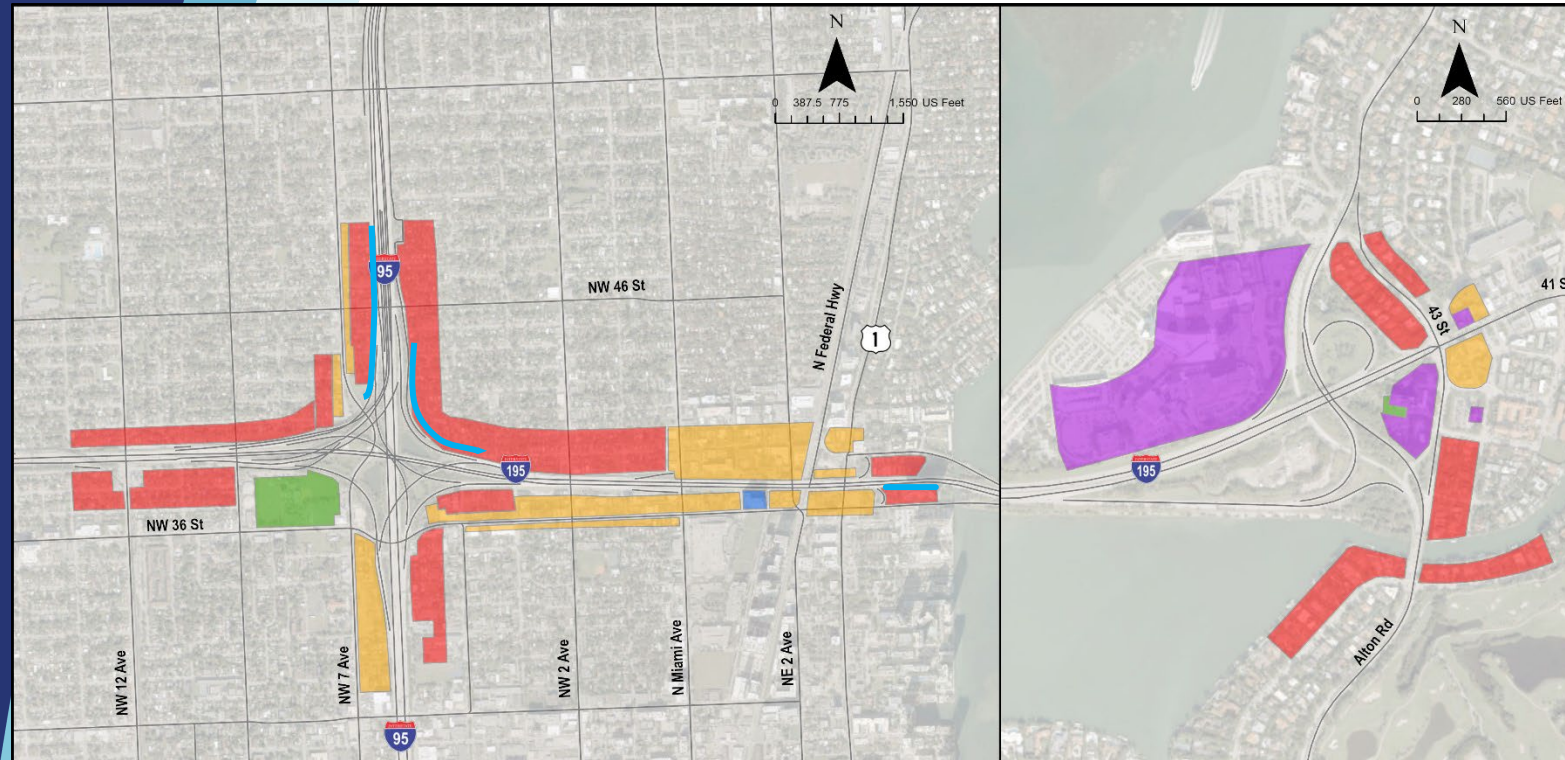
- Resiliency initiatives
 - (USACE, MDC) Back Bay Coastal Storm Risk Management Feasibility Study
 - (MDC) Biscayne Bay Watershed Management Board and Task Force
 - (City of Miami Beach) Citywide Living Shoreline Viability Assessment
 - (MDC, FDEP, Biscayne Bay Aquatic Preserve, The Nature Conservancy) Biological Restoration to Enhance Water Quality
- Identifying resiliency opportunities

LEGEND

Potential Resiliency Projects

- Living Seawall (USACE, MDC)
- Living Shoreline (Miami Beach)
- Living Shoreline (USACE, MDC)
- Mangrove Planting Area (Miami Beach)
- Mangrove Restoration (USACE, MDC)
- Venetian Basin Sponge Nursery (MDC, FDEP, FL Sea Grant, TNC)





LEGEND

FHWA Noise Activity Categories (Types of Noise Sensitive Sites)

- Category B Exterior Residential
- Category C Exterior Recreational
- Category D Interior
- Category E Exterior Other
- Category B/E Mixed Use
- Existing Noise Walls

Noise

- Noise Sensitive Areas
 - High rise residential
 - Low density residential
 - Mixed-use residential/commercial
 - Recreational resources
- Alternatives anticipated to impact up to three (3) existing noise barriers

Next Steps:

- Existing Traffic Noise Monitoring data collection for potentially impacted areas
- Evaluate noise impacts from the project and determine if additional noise abatement is warranted
- Evaluate potential construction noise and vibration impacts

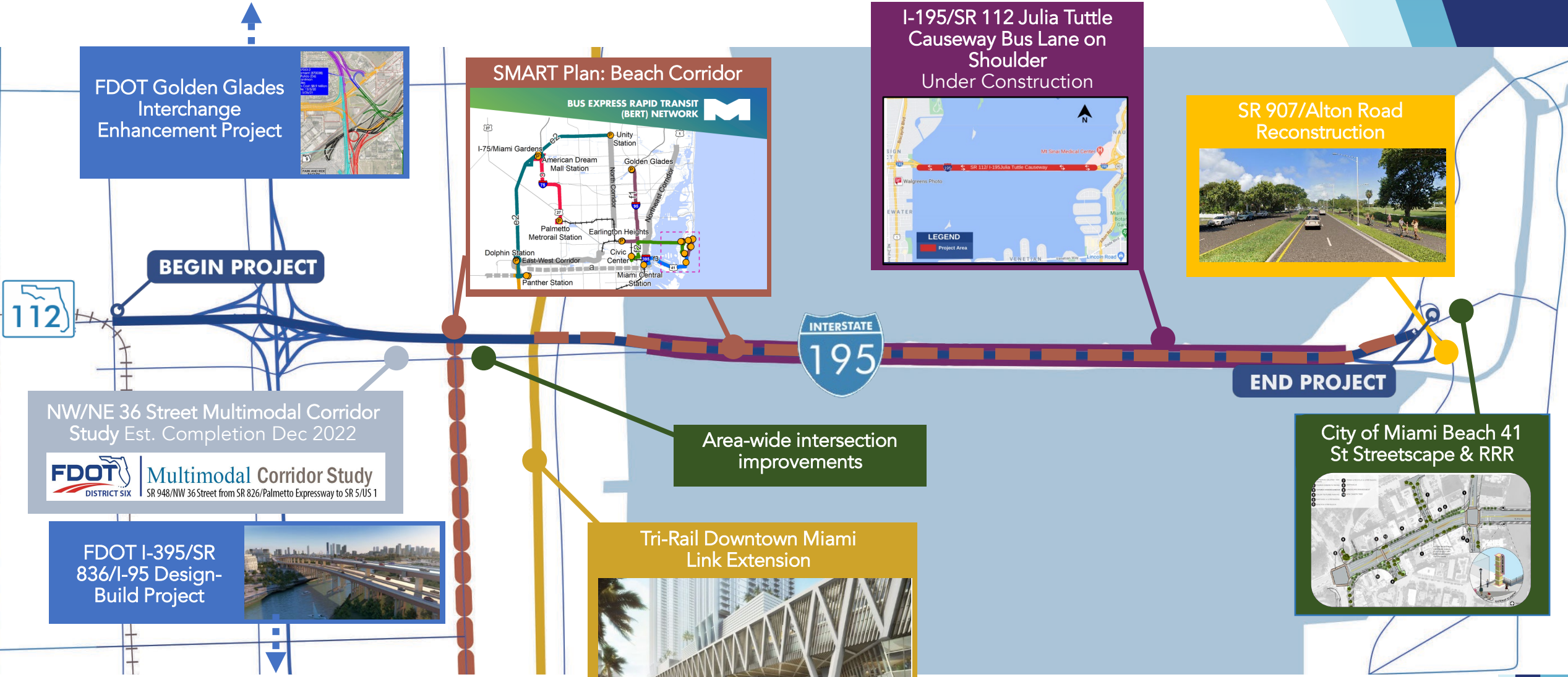
Public Involvement



- Continue and Expand Outreach Efforts from Corridor Planning Study (CPS)
- Local Agency Coordination
 - City of Miami & Miami Beach
 - Miami-Dade County
 - Miami-Dade TPO
 - Bicycle/Pedestrian Advisory Committee (BPAC) *(February 13, 2024)*
 - Transportation Planning Technical Advisory Committee (TPTAC) *(February 21, 2024)*
 - Transportation Aesthetics Review Committee (TARC) *(February 21, 2024)*
 - Citizens' Transportation Advisory Committee (CTAC) *(February 21, 2024)*
- Project Advisory Team (PAT) and Community Advisory Group (CAG)
 - PAT #1 *(November 2, 2022)*; PAT #2 *(February 15, 2024)*; PAT #3 *(anticipated 4th Quarter 2024/1st Quarter 2025)*
 - CAG #1 *(April 3, 2023)*; CAG #2 *(February 22, 2024)*; CAG #3 *(anticipated 4th Quarter 2024/1st Quarter 2025)*
- Stakeholder Meetings (available upon request)
- Public Meetings
 - Kick-Off Meeting *(February 8, 2023)*
 - Alternatives Public Information Meeting *(February 26 & 28, 2024)*
 - Public Hearing *(anticipated 1st Quarter 2025)*



Coordination

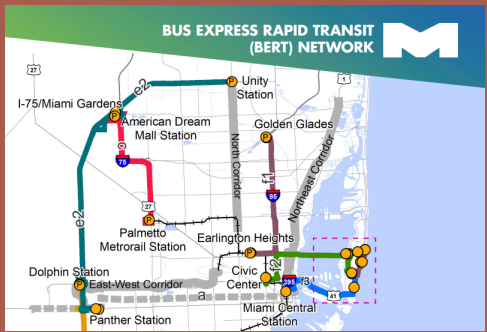


FDOT Golden Glades Interchange Enhancement Project



SMART Plan: Beach Corridor

BUS EXPRESS RAPID TRANSIT (BERT) NETWORK



I-195/SR 112 Julia Tuttle Causeway Bus Lane on Shoulder Under Construction



SR 907/Alton Road Reconstruction



City of Miami Beach 41 St Streetscape & RRR



Tri-Rail Downtown Miami Link Extension



NW/NE 36 Street Multimodal Corridor Study Est. Completion Dec 2022

FDOT | Multimodal Corridor Study

DISTRICT SIX | SR 948/NW 36 Street from SR 826/Palmetto Expressway to SR 5/US 1

FDOT I-395/SR 836/I-95 Design-Build Project





Next Steps

- Engineering & Environmental Documentation
- Selection of Preferred Alternative
- Public Hearing (1st Quarter 2025)

Contact Us

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<https://www.fdotmiamidade.com/i195pdestudy.html>



Interstate 195

PD&E Study

I-195/SR 112 From NW 12th Ave to Alton Road/SR 907

Thank you!

