



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

Public Kick-Off Meeting

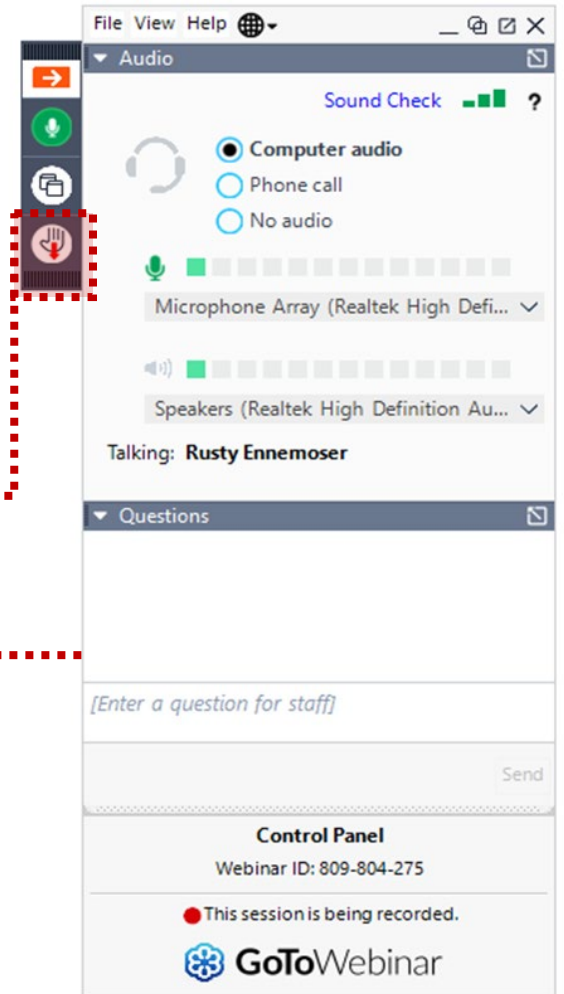
February 8, 2023



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

To provide comments during open discussion period:

- In-person attendees form a line
- 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:
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Presenters



FDOT Project Manager:
Ivette Funtanellas, P.E.

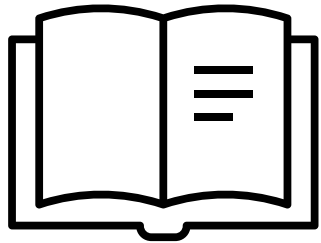


Consultant Project Manager:
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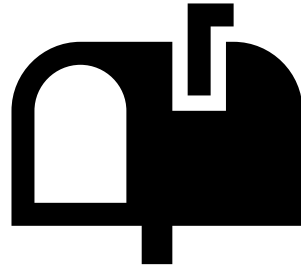


Environmental Scientist:
Caitlin Hill

Public Notice



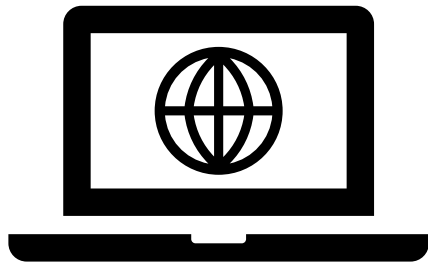
Florida Administrative Register



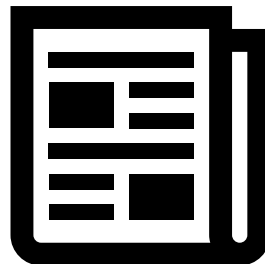
Property owner letters



Email to project contacts list



FDOT website



Newspapers



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

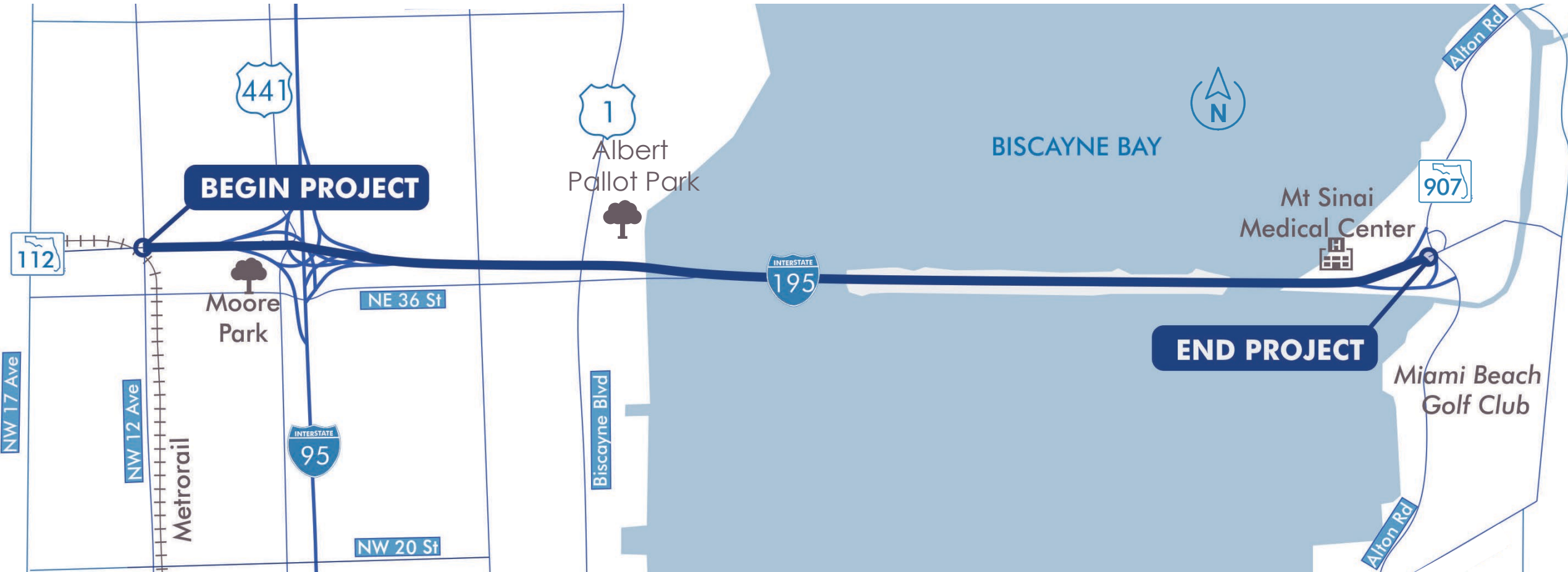
Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons wishing to express concerns relative to FDOT compliance with Title VI may do so by contacting:

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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



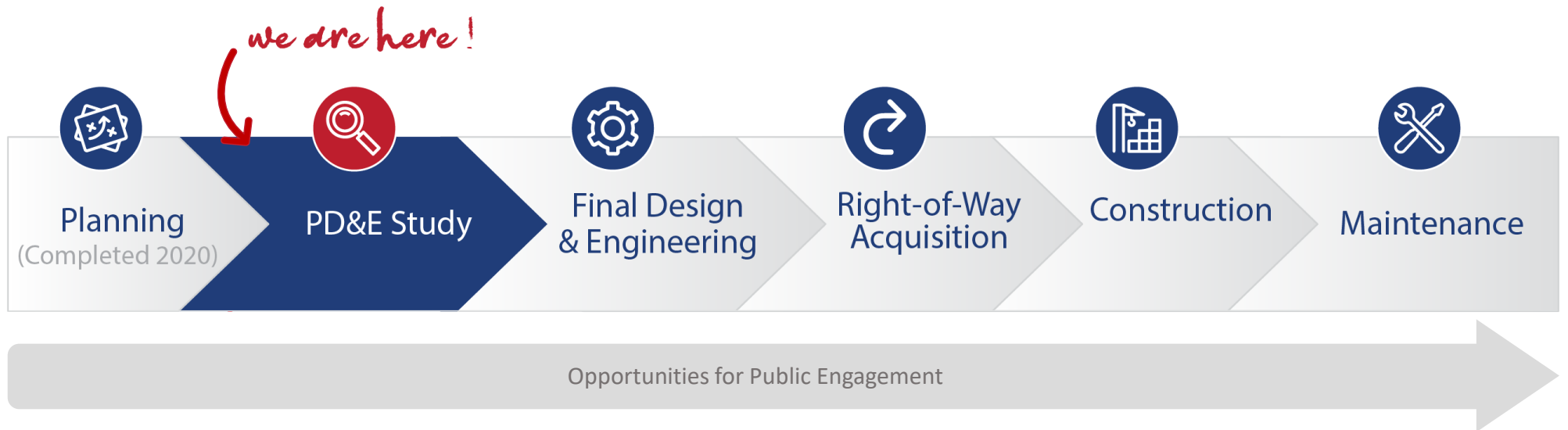
Enhance Multimodal Connectivity



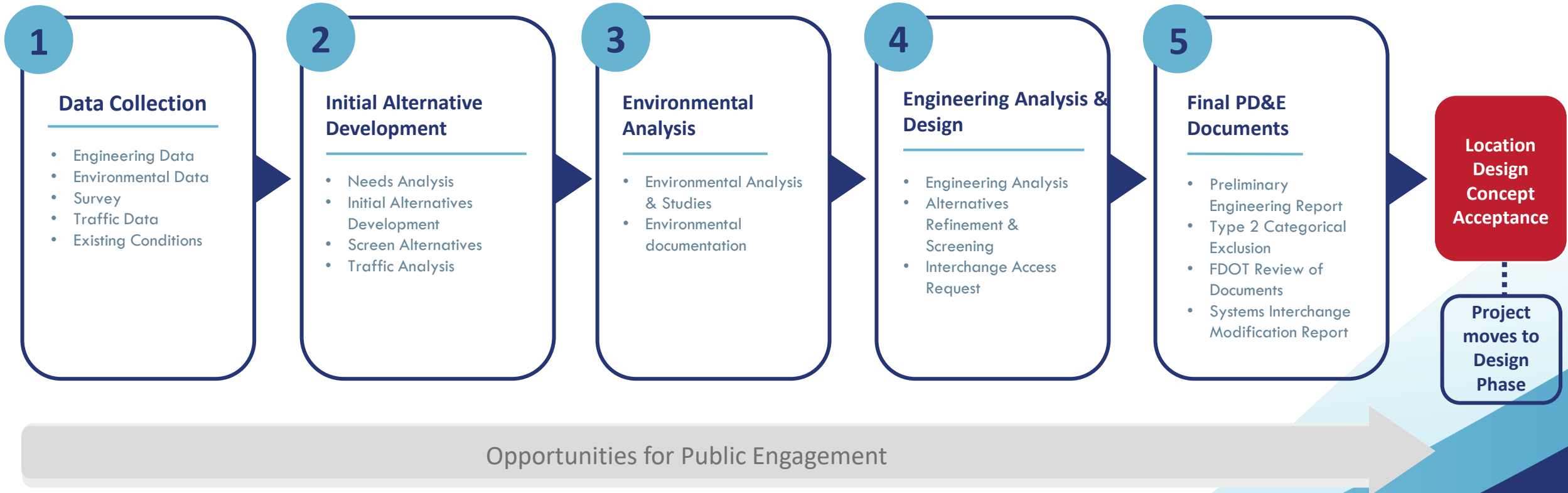
Improve Safety

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

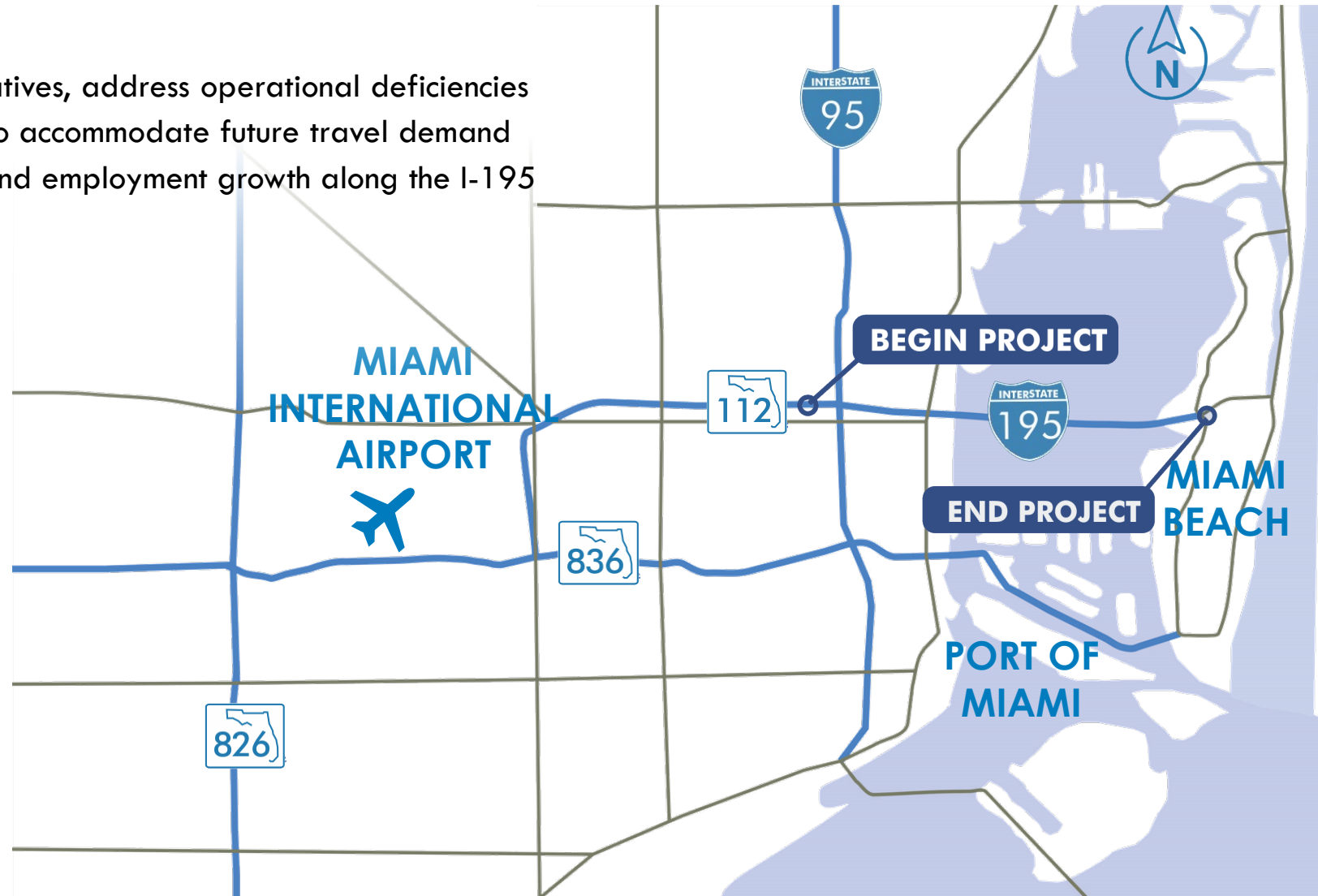


Purpose & Needs

The purpose of this project is to evaluate alternatives, address operational deficiencies and relieve existing/future congestion in order to accommodate future travel demand projected as a result of area-wide population and employment growth along the I-195 corridor.

Needs

- Address existing and future congestion
- Enhance system linkage and improve regional connectivity
- Improve safety conditions
- Enhance multimodal connectivity between the cities of Miami and Miami Beach



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

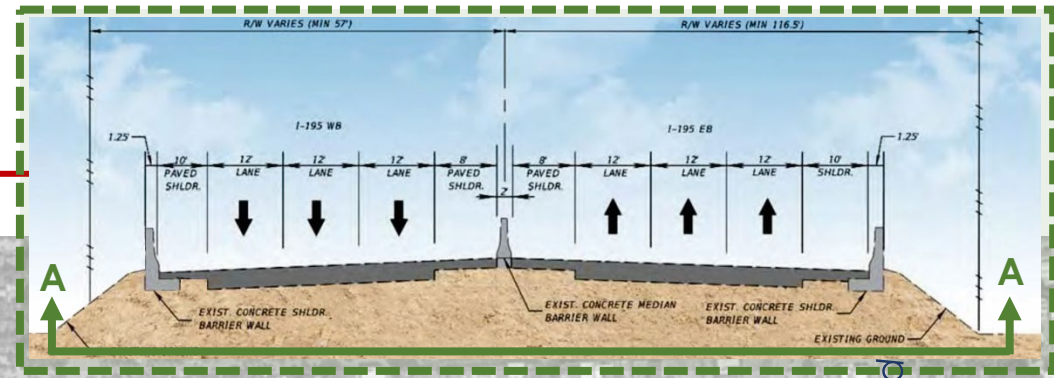
Multimodal

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



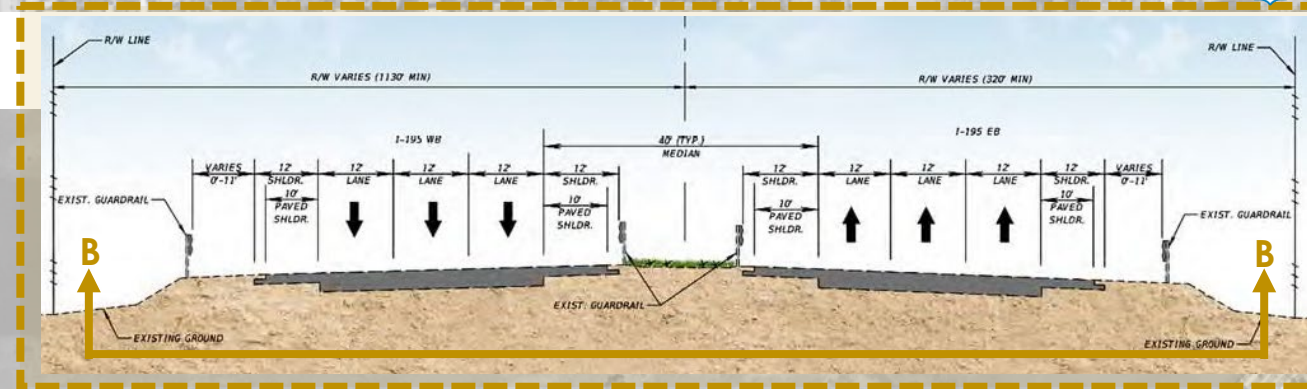
N Miami Avenue



Biscayne Blvd



Biscayne Bay



Alton Road

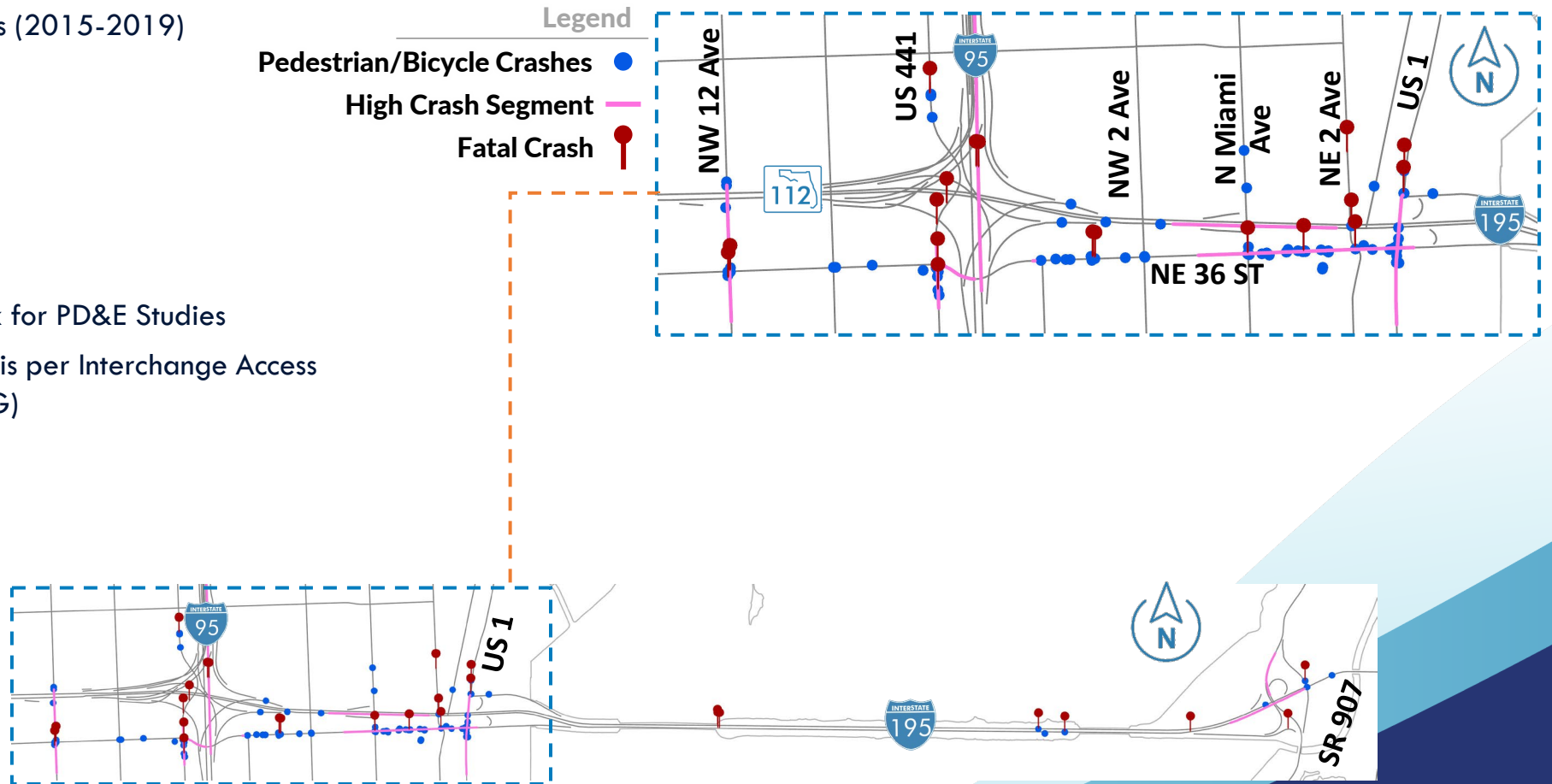
Existing Conditions: Safety

Crash Data

- 3,461 Total 5-Year Crashes (2015-2019)
- FDOT High Crash List
 - Number of Segments: 7
 - Number of Spots: 37

Safety Analysis

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

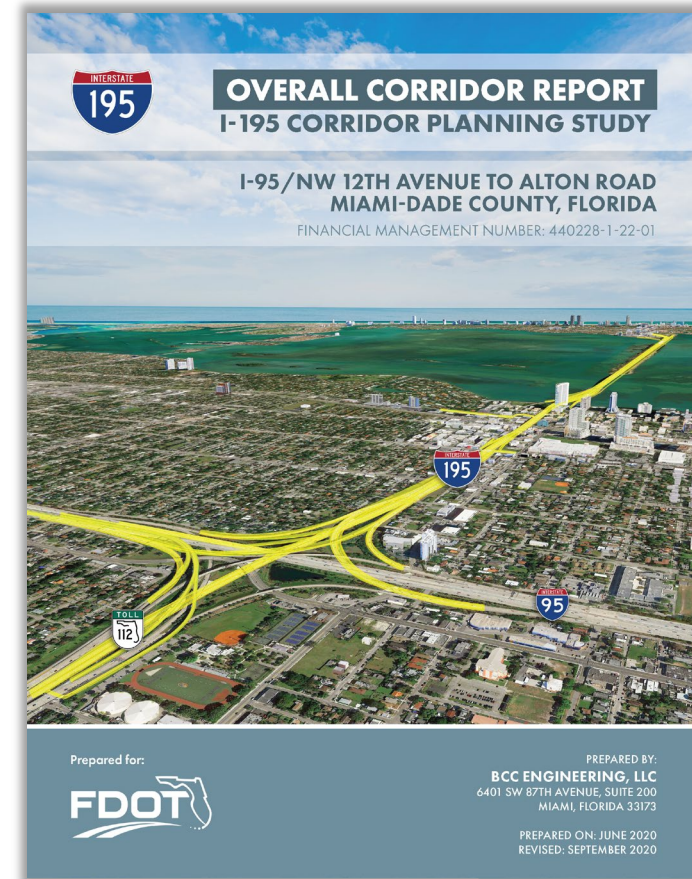


Previous Findings

I-195 Corridor Planning Study completed June 2020

Developed and evaluated several alternatives

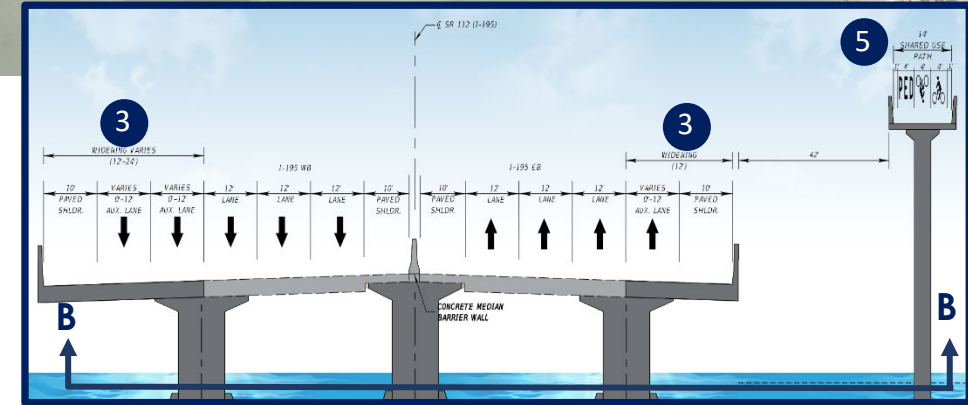
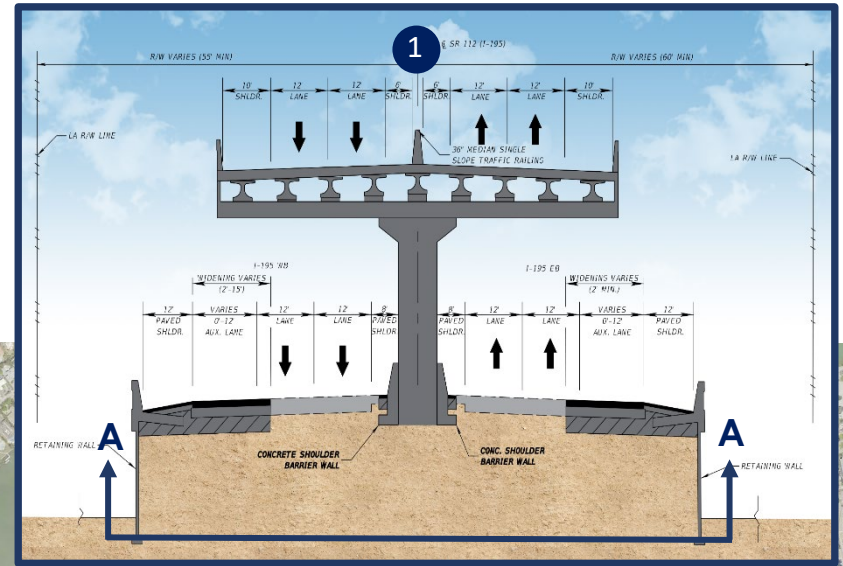
- Alternative 3 was recommended as the Refined Build Concept
- Comprehensive Public Outreach
- Public Workshop
- Elected Official Briefings
- Neighborhood and small group meetings
- Project Advisory Team



<https://www.fdotmiamidade.com/I195CorridorPlanningStudy.html>

Previous Findings

2020 Corridor Planning Study Outcomes



System Improvements

- 1 Four-lane viaduct
- 2 Connections to/from I-95 General Purpose and Express Lanes
- 3 Widens Julia Tuttle Causeway
- 4 Provides full interchange at North Miami Avenue

Additional Improvements

- 5 Shared-Use Path along the Causeway to SR 907/Alton Road
- 6 Widens SR 112
- 7 Intersection improvements ramp terminals
- 8 Widening of on and off ramps
- 9 I-195 westbound Connector-Distributor Road

we are here!

Engineering

- Traffic/Interchange Access Report (IAR)
- Re-evaluate corridor study findings
- Develop alternatives as needed
- Engineering Analysis

Documentation

- Type II Categorical Exclusion
- Systems Interchange Modification Report (SIMR)
- Preliminary Engineering Report
- Phased Improvements
- Future Cost Estimate

Environment

- Biscayne Bay
- Section 4(f)
- Noise
- Historic resources
- Social impacts

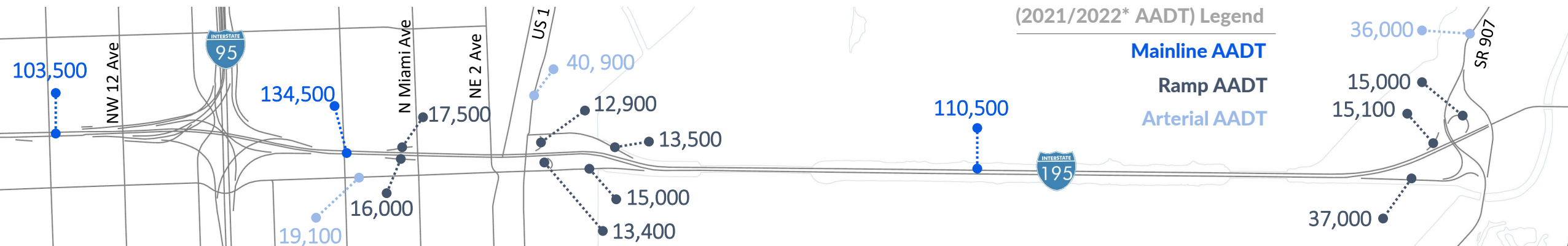
Public Involvement

- Public Meetings (Kick Off, Alternatives Workshop, Public Hearing)
- Project Advisory Team
- Community Advisory Group
- Stakeholder/Small Group Meetings
- Elected and agency official coordination



Next Steps: Traffic

- Traffic Data Collected Fall-Winter 2022
- Analysis Of:
 - I-195 Mainline Improvements
 - Operational (Queue, weaving, congestion issues)
 - Multimodal Improvements
 - Interchange Improvements
 - I-195 Access
 - I-95 Express Lane Access
 - Operations
 - Surface Street Operational Improvements
- Systems Interchange Modification Report (SIMR)



*Florida Traffic Online 2021 and Fall/Winter Data Collection in 2022

Next Steps: Alternatives Development

No Build – Assumes no improvements are made and does not address any of corridor needs

Transportation Systems Management and Operations (TSM&O)

Build Alternatives

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

1. Direct Connections to the I-95 Express Lanes
2. Interchange Improvements
 - NW 12 Avenue
 - N Miami Avenue
 - Biscayne Boulevard
 - SR 907/ Alton Road
3. Surface Street Improvements
4. Multimodal
 - Enhance transit opportunities
 - Dedicated pedestrian and bicycle facilities



Next Steps: Engineering Considerations

Drainage

- Stormwater runoff flows into Biscayne Bay Aquatic Preserve (Outstanding Florida Water)(OFW))
- Maximize water quality treatment capacity within existing right-of-way
- Consider resiliency initiatives
- Coordination with City of Miami, City of Miami Beach, Miami-Dade County

Structures

- I-95 Interchange
- Causeway
- Interchanges
- Mainline Bridges

Cost Estimates

Right-of-Way

Project Phasing

- Identify short- and long-term improvements



Next Steps: Environment

Biscayne Bay

- Aquatic Preserve
- Critical Habitat for Manatee
- Outstanding Florida Water (50% greater treatment)

Essential Fish Habitat

- Seagrass, Corals, Mangroves and many other types
- Habitat Areas of Particular Concern
- In-water surveys conducted in September
 - Seagrass coverage was observed throughout the survey area
 - Areas beneath bridges are general sandy and barren
 - Healthiest seagrass locations protected from main flushing/navigational channels (near Milton Park and Alton Rd)

U.S. Fish and Wildlife Services Consultation Areas

- Manatee
- Florida Bonneted Bat potential habitat characterization
- Snail Kite, Piping Plover, Crocodile and Atlantic Coastal Plants

Water Quality

- Biscayne Sole Source Aquifer



Environment

Recreational Section 4(f)

- Moore Park

Special Populations

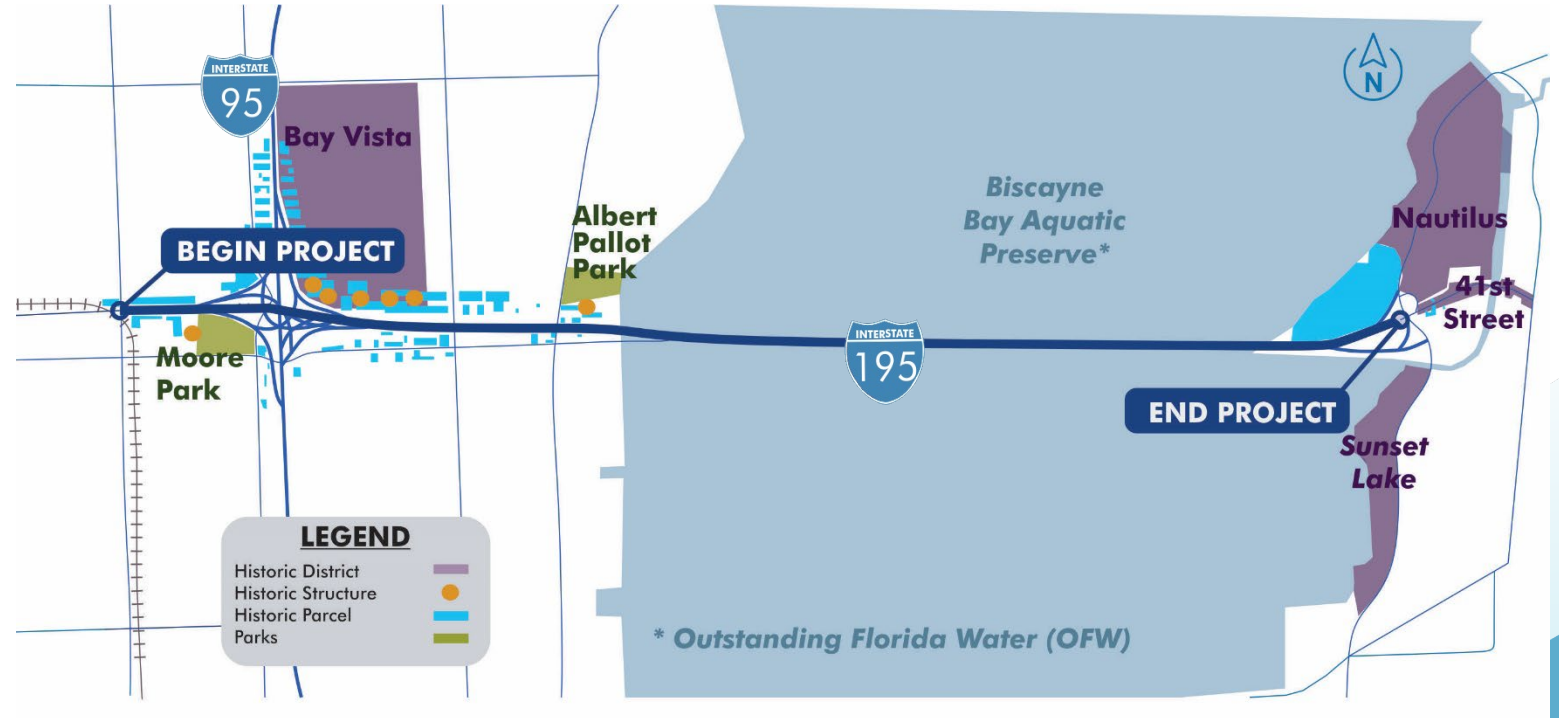
- 21% below poverty line
- 84% minority

Community

- Adjacent residential and business land uses

Cultural Resources

- Historic Districts
 - The Bay Vista
 - Nautilus
 - Sunset Lake
 - 41st Street
- Historic resources
 - 6+ individually significant resources
 - 170 previously recorded historic resources, 800+ unrecorded historic resources





Noise

- Two existing noise barriers
- Multiple sensitive noise sites
 - High rise residential
 - Low density residential
 - Recreational resources
- Evaluate noise impacts from the project and determine if additional noise abatement is warranted
- Evaluate potential construction noise and vibration impacts

Resiliency

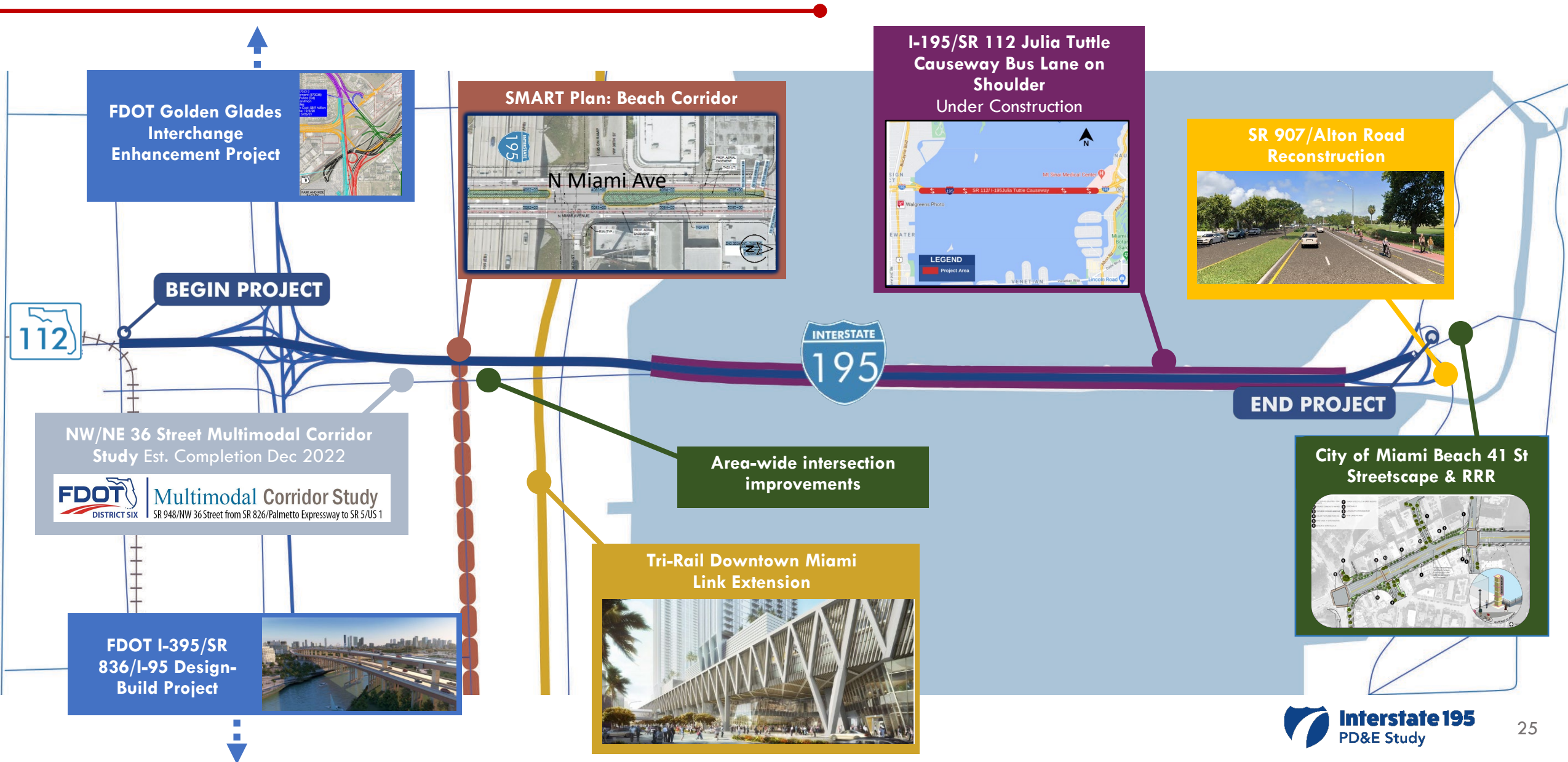
Coordination with ongoing resiliency projects and goals for the area

- US Army Corps of Engineers (USACOE)
 - Miami-Dade Back Bay Coastal Storm Risk Management Study
 - Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER)
 - Central and Southern Florida (C&SF) System Section 216 Flood Resiliency Study (with SFWMD)
- City of Miami Beach
- City of Miami
- Miami-Dade County
 - Chief Bay Officer
 - Biscayne Bay Watershed Management Advisory Board
- Biscayne Bay Commission



- **Historical estuary**
- **Largest estuary in Florida**
- **Only large, subtropical, protected bay within continental U.S.**

Coordination



Public Involvement

Continue and Expand Outreach Efforts from Corridor Planning Study (CPS)

- Local Agency Coordination
 - City of Miami
 - City of Miami Beach
 - Miami-Dade County
 - Miami-Dade TPO
- Project Advisory Team (PAT) and Community Advisory Group (CAG)
 - Three Meetings each
- Stakeholder Meetings (available upon request)
- Public Meetings
 - Kick-Off Meeting (*Today*)
 - Alternatives Workshop (*anticipated 4th Quarter 2023*)
 - Public Hearing (*anticipated 4th Quarter 2024*)





Next Steps

- Traffic Analysis (ongoing)
- Alternatives Development
- Alternatives Public Information Meeting (4th Quarter 2023)

Contact Us

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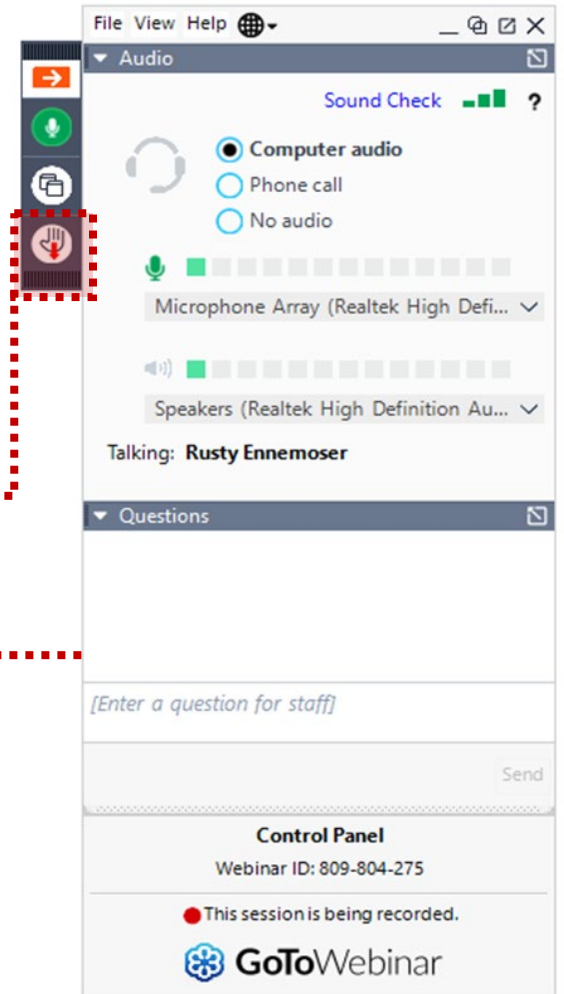


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