

# Atlantic Isles Lagoon Bridge (Bridge No. 874218) Project Development and Environment (PD&E) Study

From Atlantic Isles West of SR A1A to Atlantic Avenue

*Miami-Dade County, Florida*



Public  
Kick-Off Meeting

OCTOBER 27, 2020

FPID No. 430029-2-22-02

ETDM No. 14413

# Start-up & Welcome

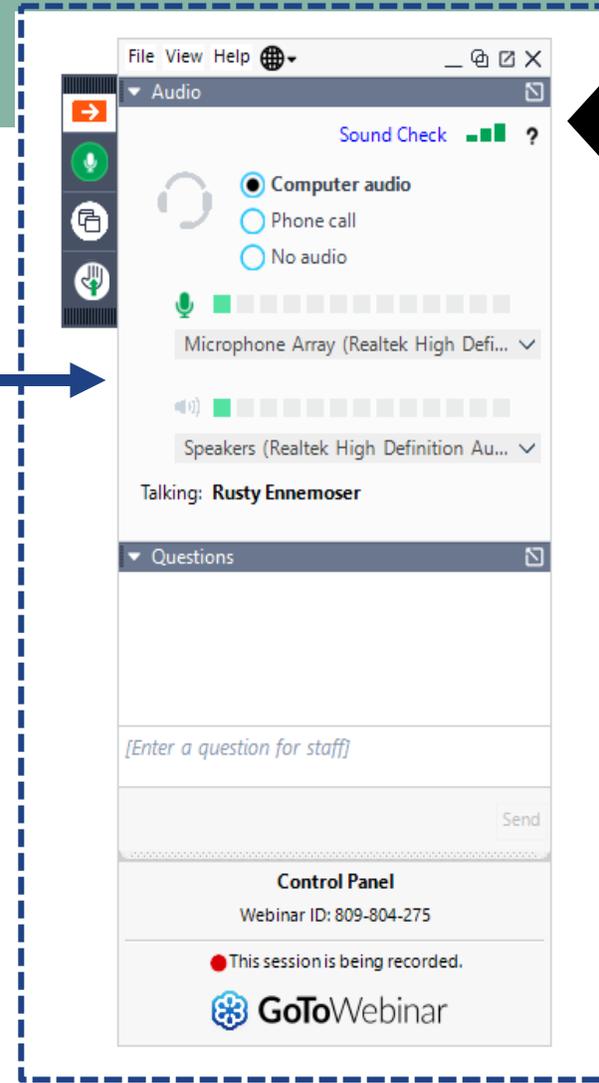
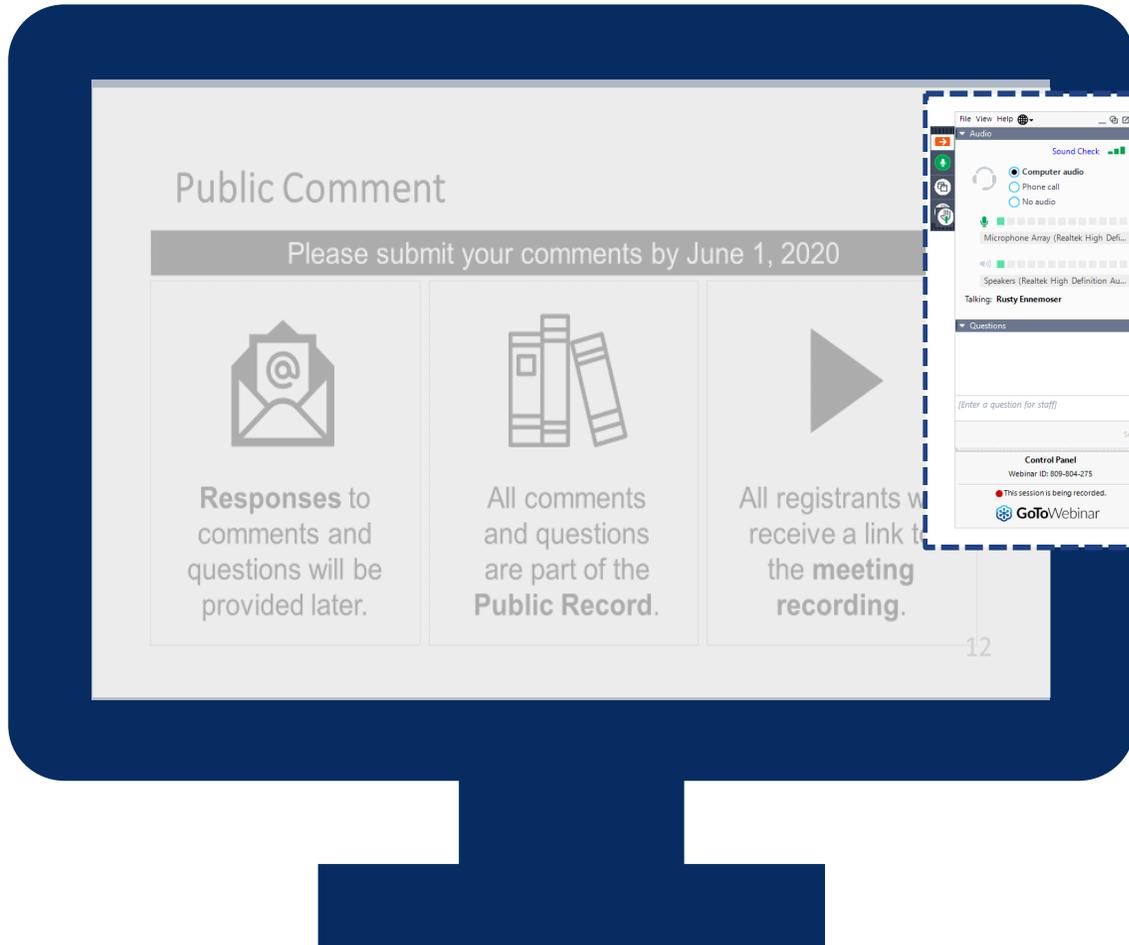


# About the Virtual Meeting Format



- COVID-19 pandemic
- A State of Emergency is in effect (Executive Order 20-52)
- GoToWebinar online meeting platform
- No cost to the public to log-in or dial-in to the meeting

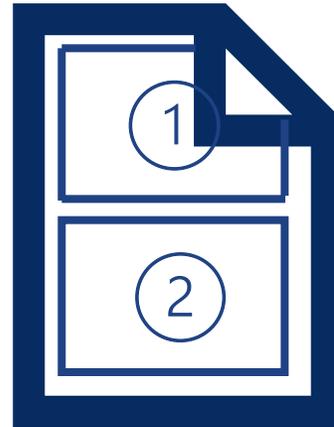
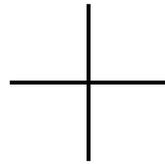
# Technical Information



# Technical Information for Dial-in Attendees

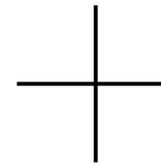


**Dial-in listeners**



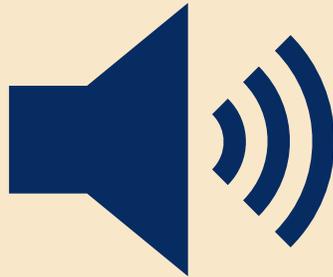
**Paper copy of meeting presentation**

(requested or downloaded before the meeting)



**Presenter will say slide being shown**

# Technical Information (Listen Only mode)



All attendees will be placed in '**Listen Only**' mode throughout the meeting.



Type your comments or questions in the control panel **Questions pane**.



**Responses** to comments and questions will be provided.

# Technical Information (Technical Issues)



This meeting is being recorded.



Type your issue in **Questions pane** on the control panel.

# Meeting Purpose and Speakers



**Dat Huynh**  
FDOT



**Nicole Carter**  
Stantec



**Sunserea Dalton**  
Jacobs



**Irene Varela**  
FDOT



**Amy Strelman**  
Janus Research



**Barbara Culhane**  
FDOT



# Public Notice



Property owner/tenant letters



Emails to project contacts list



FDOT website



Florida Administrative Register



Newspaper



Social media





# Title VI Compliance

Public participation at this Virtual Kick-off Public Meeting was solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting:

Irene I. Varela-Riaz, E.I, F.C.C.M.  
FDOT District 6 Title VI Coordinator  
1000 NW 111 Avenue  
Miami, Florida 33172  
(305) 470 5342  
[irene.varela@dot.state.fl.us](mailto:irene.varela@dot.state.fl.us)

Jacqueline E. Paramore  
State Title VI Coordinator  
605 Suwannee Street  
Tallahassee, Florida 32399-0450  
(850) 414-4753  
[Jacqueline.Paramore@dot.state.fl.us](mailto:Jacqueline.Paramore@dot.state.fl.us)

All inquiries or concerns will be handled according to FDOT procedure and in a prompt and courteous manner.





# PRESENTATION TEAM



Project Manager: Irene Varela

Environmental Lead: Nicole Carter

Cultural Resources Lead: Amy Streelman

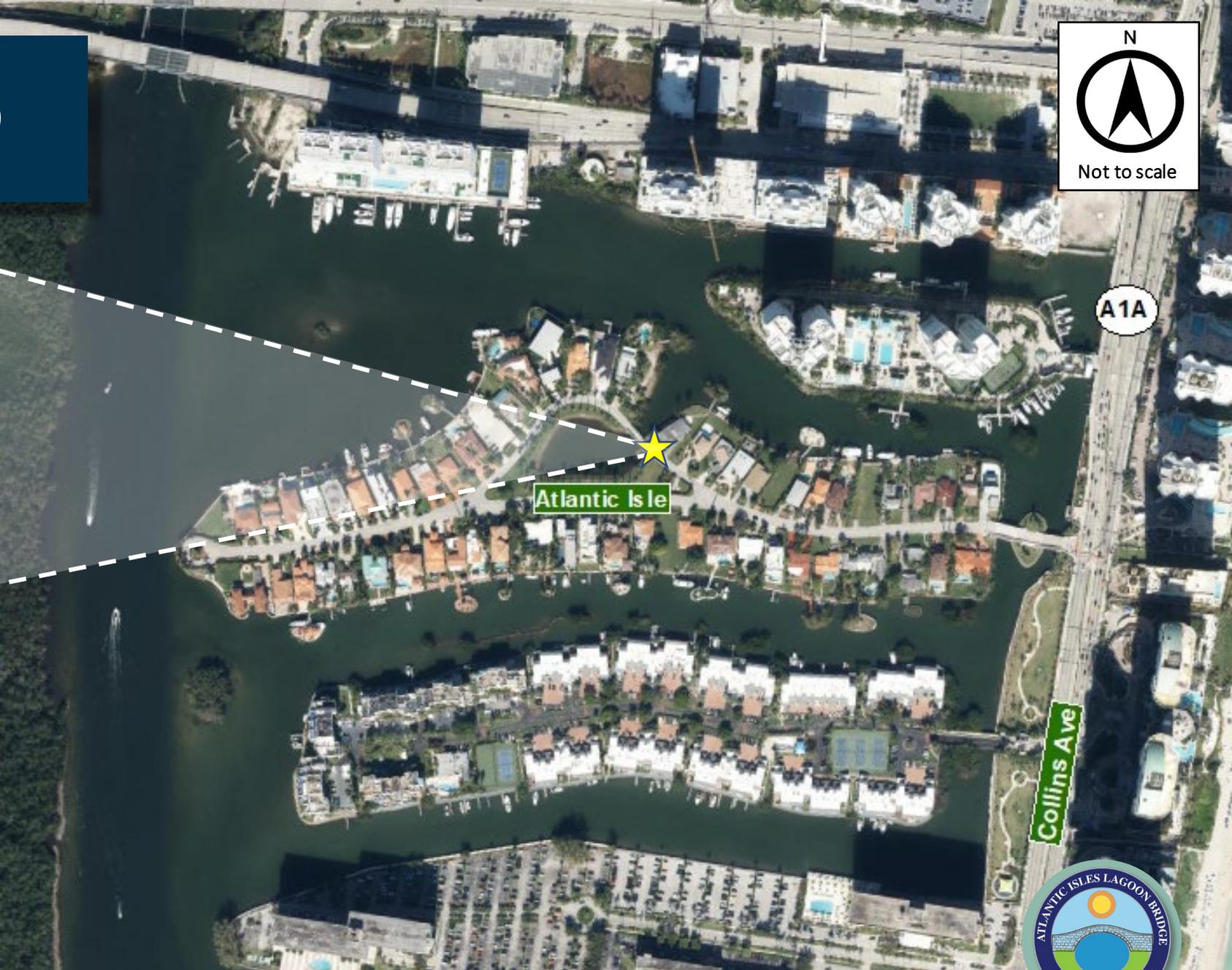


# AGENDA

- ✓ **Introduction**
  - Project Location and Description
  - Project Background
- ✓ **Study Process**
- ✓ **Purpose and Need**
- ✓ **Existing Conditions**
- ✓ **Key Environmental Resources**
- ✓ **Project Schedule**
- ✓ **Public Involvement**
- ✓ **Contact Information**



# Project Location Map



# Project Study Area

- Atlantic Isles Lagoon Bridge (Bridge no. 874218) located along Atlantic Avenue in the Atlantic Island west of A1A/Collins Avenue
- One-way, low-level fixed bridge
- Bridge was determined National Register of Historic Places (NRHP)-eligible
- Atlantic Isles is two-way east and west located south of Atlantic Avenue
- Study area includes Atlantic Avenue and area west and east of intersections with Atlantic Isles



# Project Background

- ✓ September 2016 – Routine Bridge Inspection
- ✓ December 2016 – Proof of Concept Report
- ✓ May 2018 – Bridge Rehab Technical Memorandum
- ✓ August 2019 – Project Development and Environment (PD&E) Study Scoping Report
- ✓ February 2020 – Efficient Transportation Decision Making Programming Screen
- ✓ Summer 2020 – PD&E Study Initiated



PROJECT DEVELOPMENT AND ENVIRONMENT (PD&E) STUDY  
Scoping Report

Atlantic Isles Lagoon Bridge (Bridge No. 874218)  
In the City of Sunny Isles Beach, Miami-Dade County, Florida  
FPN No. 430029-2-22-02  
Prepared for:  
Florida Department of Transportation, District 6  
August 2019

Atlantic Isle Bridge Rehabilitation

**Memorandum**  
**of Bridge 874218**  
**at West of SR A1A**

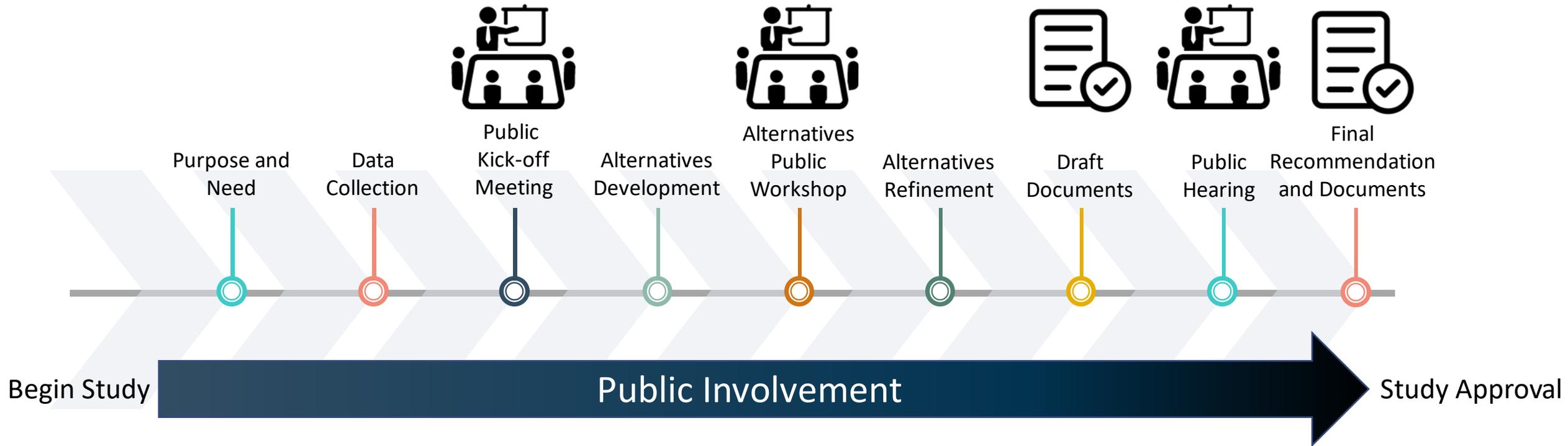
0029-1-32-01  
Prepared for:  
**District of Transportation District 6**  
**4, 2018**  
Prepared by:  
**z & Associates**

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Florida Department of Transportation – District 6



# What is a PD&E Study?



# Purpose and Need

A photograph of a stone arch bridge spanning a lagoon. The bridge is made of rough-hewn grey stone and has a single large arch. The water in the lagoon is calm and reflects the sky and the bridge. In the background, there are palm trees and modern buildings under a clear blue sky. The foreground shows a grassy bank on the left and a rocky shoreline on the right.

- Rehabilitation of the bridge

- Improve safety of the bridge to be functional for the public

- Improve existing bridge deficiencies



# Project Goals



**Minimize  
Environmental Impacts**



**Minimize Effects  
To Significant  
Cultural Resources**

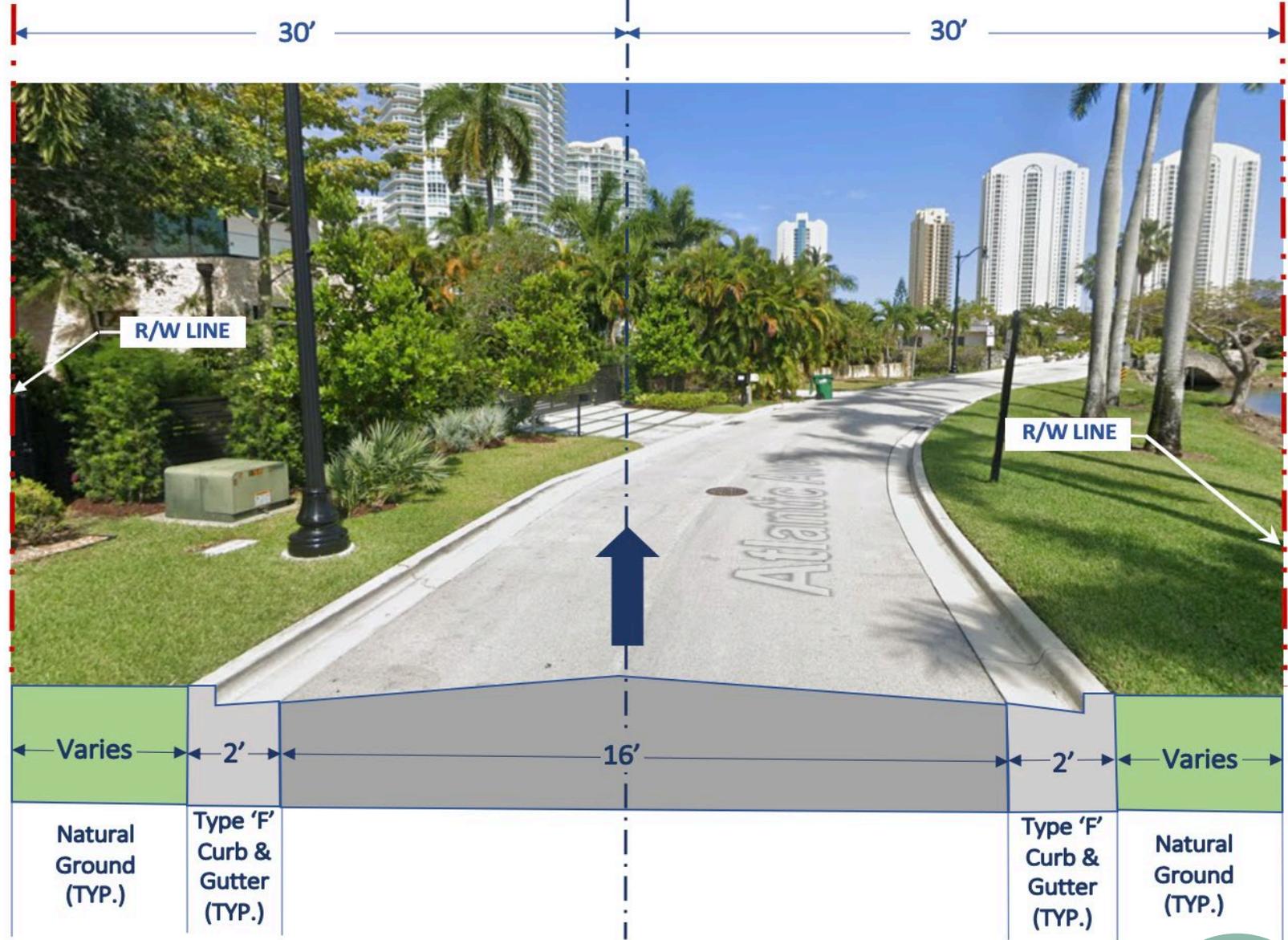


**Enhance Safety**

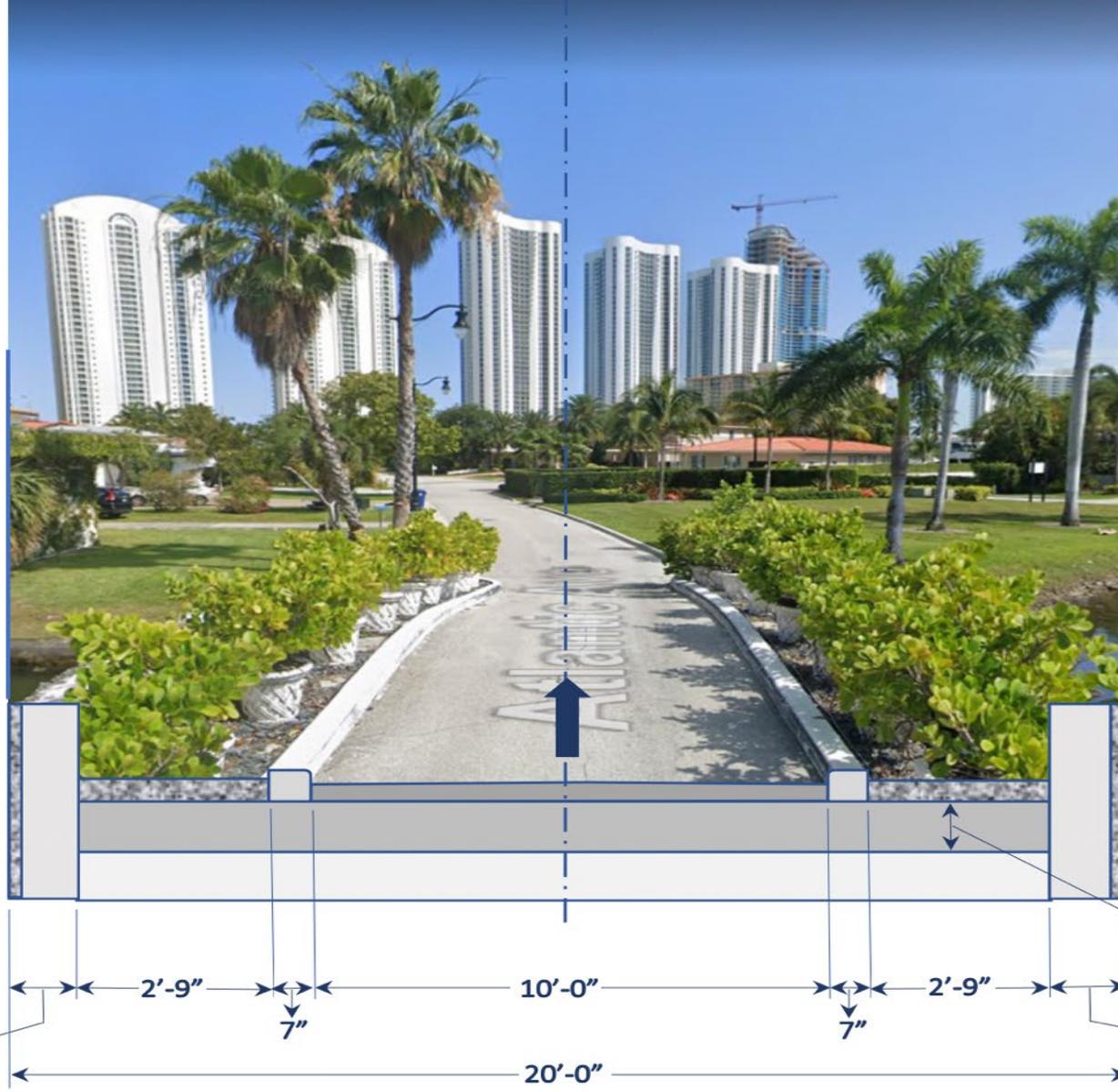


**Improve Mobility**

# Existing Typical Section of Atlantic Avenue



# Existing Typical Section for Bridge Bridge No. 874218



1'-8" Barrier Wall with Oolitic Limestone Surfacing

Limerock Fill Varies From 8.5"-1'-1"

1'-8" Barrier Wall with Oolitic Limestone Surfacing



# Existing Conditions



- Constructed in 1925
- Single span reinforced concrete arch of varying thickness
- Bridge Health Index = 60.48 out of 100
- Functionally Obsolete with structural deficiencies (sufficiency rating of 40.9) and posted weight restrictions





# Alternatives to be Considered

- No-Action
- Bridge Rehabilitation
- Bridge Replacement
- Maintain Historic Bridge as Pedestrian Bridge



# Natural Environment

- Natural Resources
  - Biscayne Bay Aquatic Preserve
  - Outstanding Florida Waters
  - Essential Fish Habitat
  - Federally listed species
    - Johnson’s Seagrass Critical Habitat
    - Manatee
    - Smalltooth Sawfish
    - Florida bonneted bat
    - American Crocodile
    - Sea turtles
    - Corals



# Right-of-Way Considerations



- Right-of-Way impacts expected to be minimal and further evaluated during PD&E Study
- No relocations or impacts to residential buildings anticipated



# Physical Environment

- Minimal potential for contamination involvement
- No impacts to noise and air



# Environmental Analysis

- Agency Coordination
  - Early and consistent coordination throughout PD&E and Design Phases
  - Interagency meetings
  - Consulting Agencies
    - USFWS, FFWC, NMFS, and SFWMD
  - Cooperating Agencies



US Army Corps  
of Engineers®





# Cultural Resources

## What is Section 106 of the National Historic Preservation Act (NHPA)?

### Section 106 Evaluation of Adverse Effects:

- Avoidance
- Minimization
- Mitigation

### Area of Potential Effect (APE)

- Defined based on the improvements proposed as part of alternatives being considered
- Cultural Resources Assessment Survey (CRAS) will document resources within APE.
- FMSF forms will be prepared as part of this effort and each resource will be evaluated according to the National Register of Historic Places Criteria



# Cultural Resources

- Bridge was determined NRHP-eligible
- Concrete arch deck
- Early example of an arch deck bridge
- Historic features included Oolitic limestone towers
- Maintains historic aesthetic features and much of original fabric
- Aesthetic value in the rare shallow arch and limestone facing



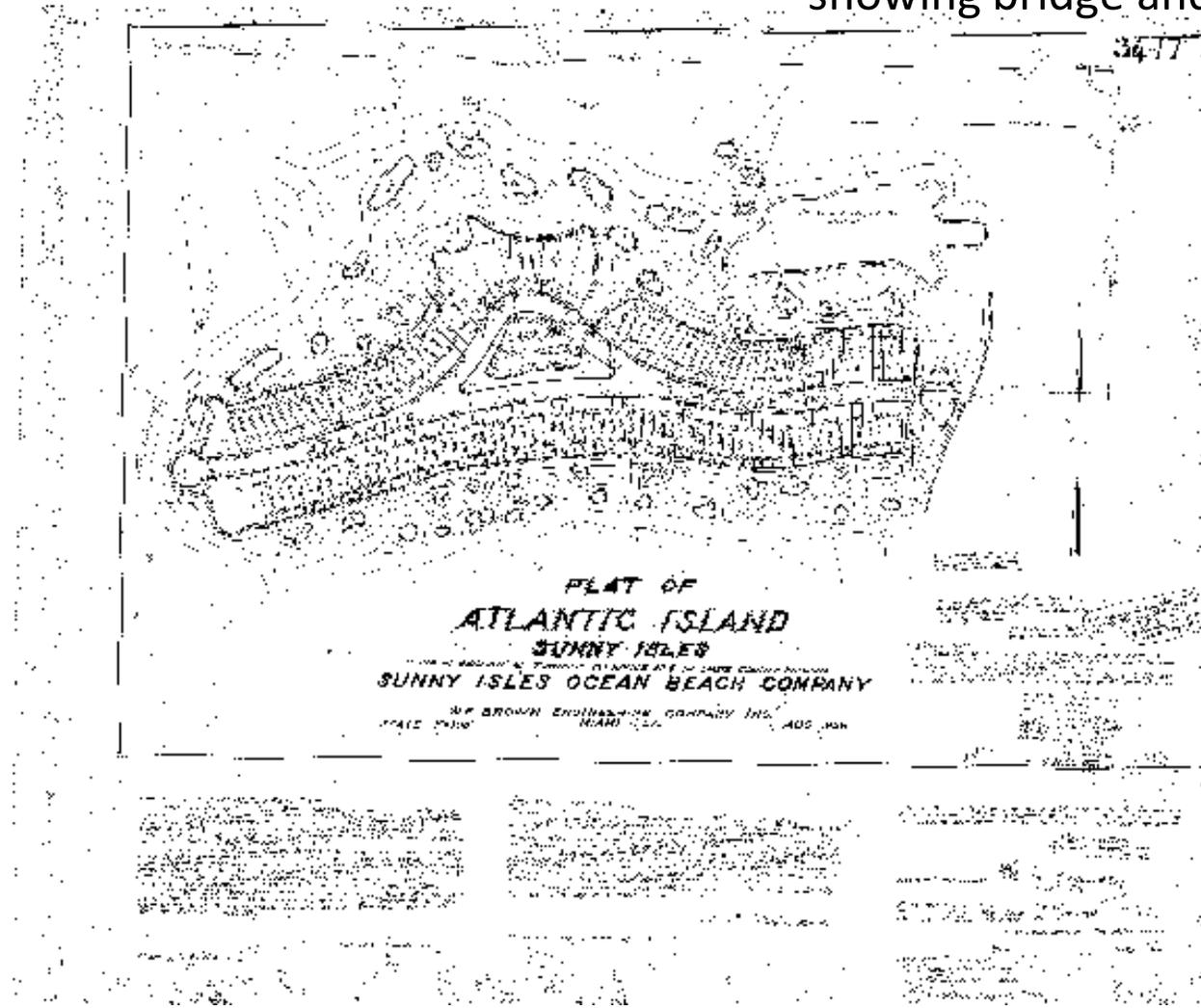
# Cultural Resources – Lake of the Isles



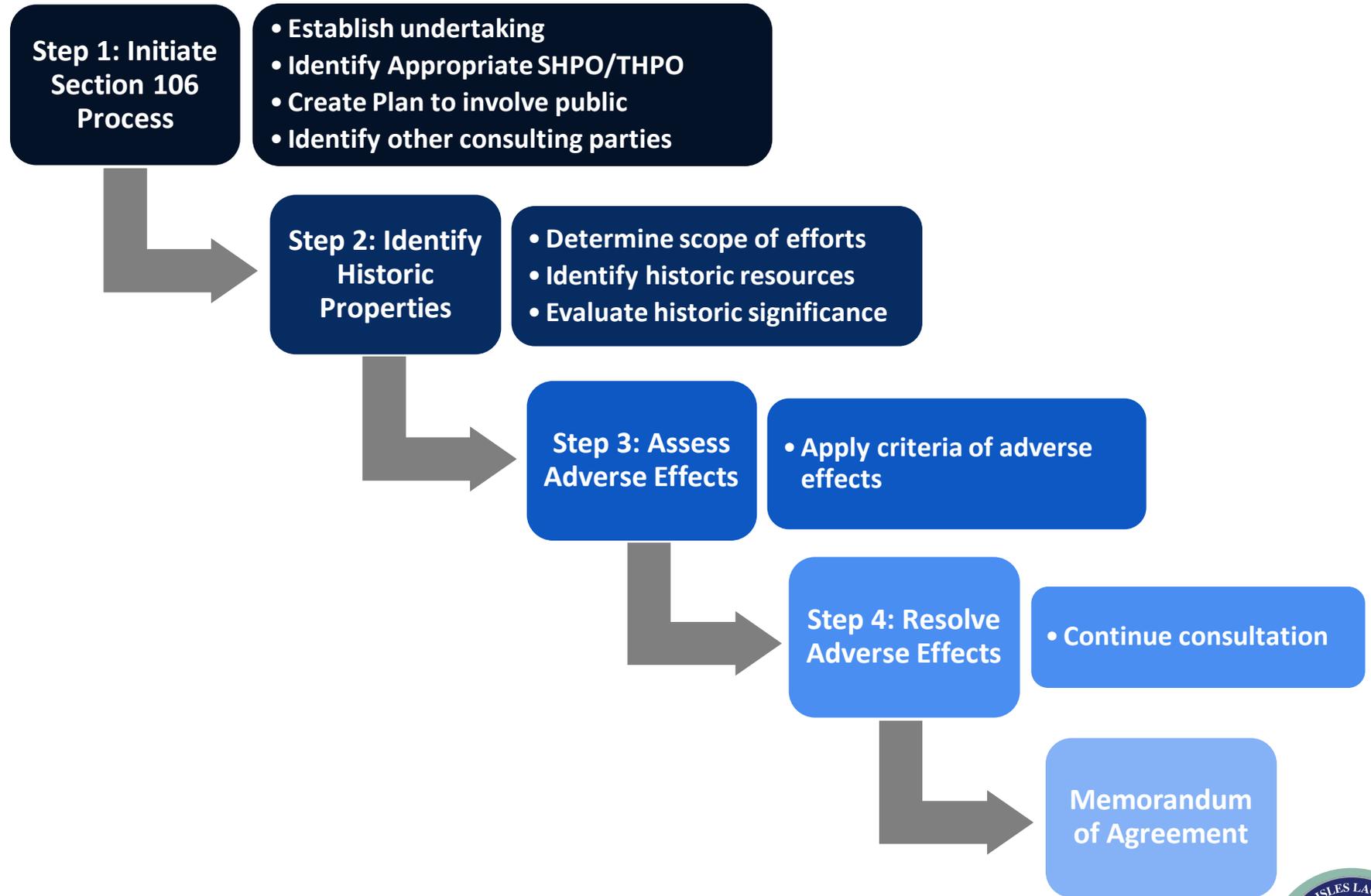
- Historic lake and immediately surrounding landscape are potential cultural resources
- Connection with the overall design of the island and the bridge
- Documentation and evaluation is ongoing

# Cultural Resources

1928 Plat of Atlantic Island-  
showing bridge and lake



# Section 106 Process

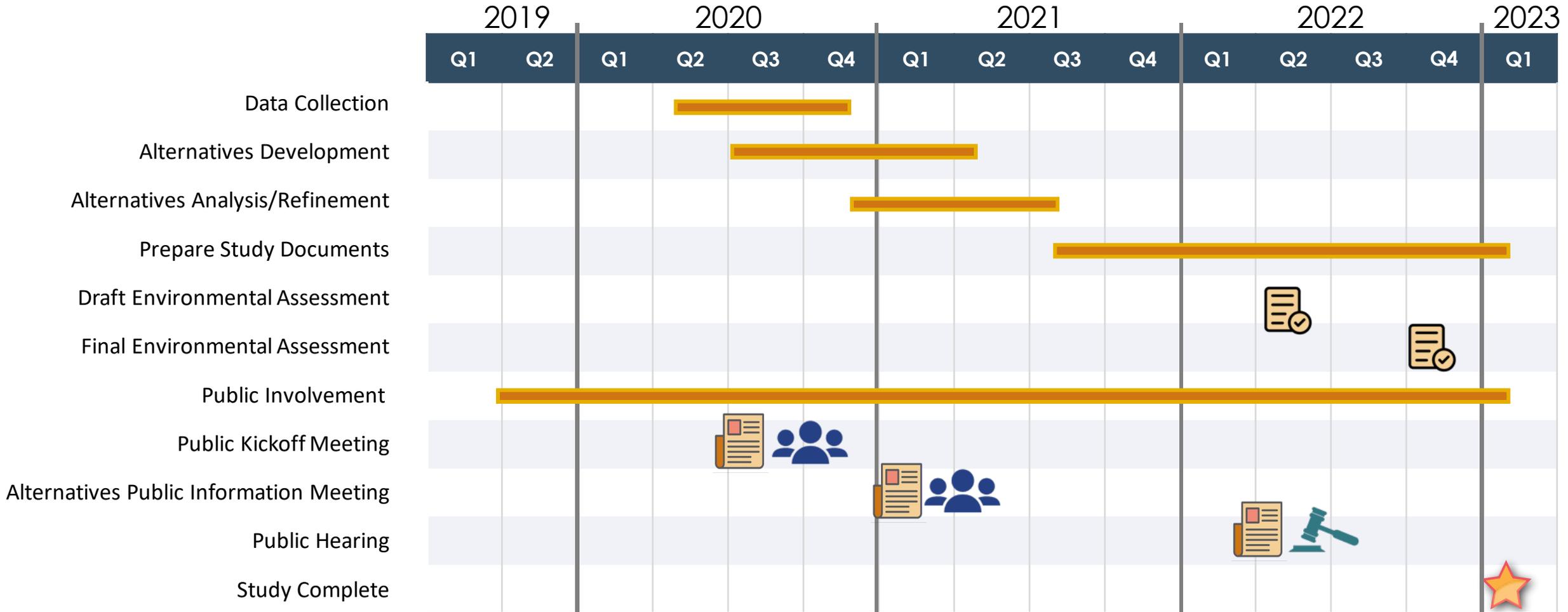


# Cultural Resources

- Establish Area of Potential Effect (APE) - in progress
- Conduct Cultural Resource Assessment Survey (CRAS) - in progress
- Evaluate Determination of Effects
- Consultation with Agencies and Local Parties
- Memorandum of Agreement - if significant resources are adversely affected
- If there is a determination of adverse effect to significant resources, Section 4(f) of the Department Transportation Act will apply. A Programmatic or Individual Statement Documentation will be prepared to document there is no prudent or feasible alternative to the proposed improvements will be prepared.



# Schedule



# Public Involvement

## State

- Florida Department of Environmental Protection
- State Historic Preservation Officer
- Florida Fish and Wildlife Conservation Commission

## Federal

- Army Corps of Engineers
- U.S. Fish and Wildlife Service
- National Marine Fisheries Service

## Regional/Local

- City of Sunny Isles Beach
- Miami-Dade County
- South Florida Water Management District



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FLORIDA DEPARTMENT OF STATE  
DIVISION OF  
*Historical Resources*



**NOAA  
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[sfwmd.gov](http://sfwmd.gov)



# Public Involvement - Stay Informed



## Public Meetings

Kick-Off Meeting  
Alternatives Public Meeting



## Informing the public

Press Releases  
Public Notices  
Newsletters  
Mailings



## Public Hearings

Formal Presentation  
Comments by the public



## Website

<http://www.fdotmiamidade.com/atlanticislesbridge>





# Contact Information

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FDOT Project Manager  
1000 NW 111 Avenue  
Miami, Florida 33172  
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Monica Diaz  
Community Outreach Specialist  
Infinite Source Communications Group  
Phone: (305) 573-0089  
Email: [monica@iscprgroup.com](mailto:monica@iscprgroup.com)



# Public Comment (Question pane & raise hand)

## During Meeting



Typed via  
**Questions**  
pane



Spoken  
via **Raise**  
**Hand**  
**button**

## After Meeting

1. monica@iscprgroup.com 

2. Att. Irene Varela  
1000 NW 111 Avenue  
Miami, FL 33172 

3. (305) 573-0089 

<http://www.fdotmiamidade.com/atlanticislesbridge>

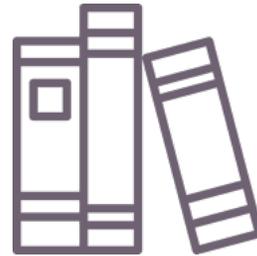


# Public Comment (continued)

Please submit your comments by November 3, 2020



**Responses** to comments and questions will be provided later.



All comments and questions are part of the **Public Record**.



All registrants will receive a link to the **meeting recording**.



# Public Comments



# Conclusion

**Thank you!** Please complete our **exit survey!**

## 15 more minutes



Type comments or questions in the **Questions pane** on the control panel.

## After meeting

1. monica@iscprgroup.com 

2. Att. Irene Varela  
1000 NW 111 Avenue  
Miami, FL 33172 

3. (305) 573-0089 

**<http://www.fdotmiamidade.com/atlanticislesbridge>**



# Thank You for attending!



Public  
Kick-Off Meeting

OCTOBER 27, 2020

