

# Atlantic Isle at West of SR A1A Bridge No. 874218 Project Development and Environment (PD&E) Study

*Miami-Dade County, Florida*



PUBLIC  
HEARING

MARCH 21, 2024

# WELCOME!

The Public Hearing will begin at 7:00 p.m.

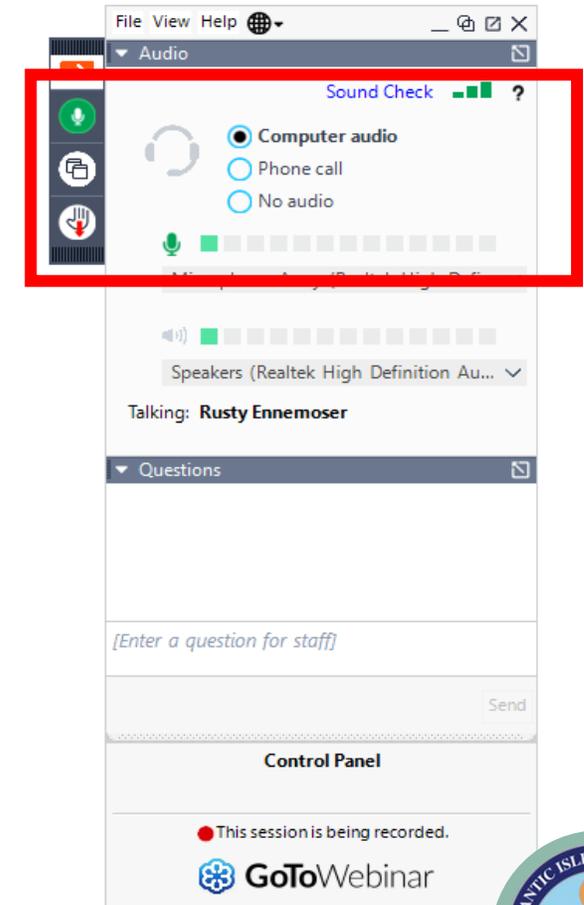
# Public Hearing Translation

Si usted necesita traducción durante el evento por favor levante su mano o puede pedir ayuda de traducción a través del chat y un miembro de nuestro equipo lo asistirá.

Si w bezwen tradiksyon pandan reyinyon an tanpri leve men w oswa ou ka mande asistans tradiksyon atravè chat epi yon manm ekip nou an ap edew.

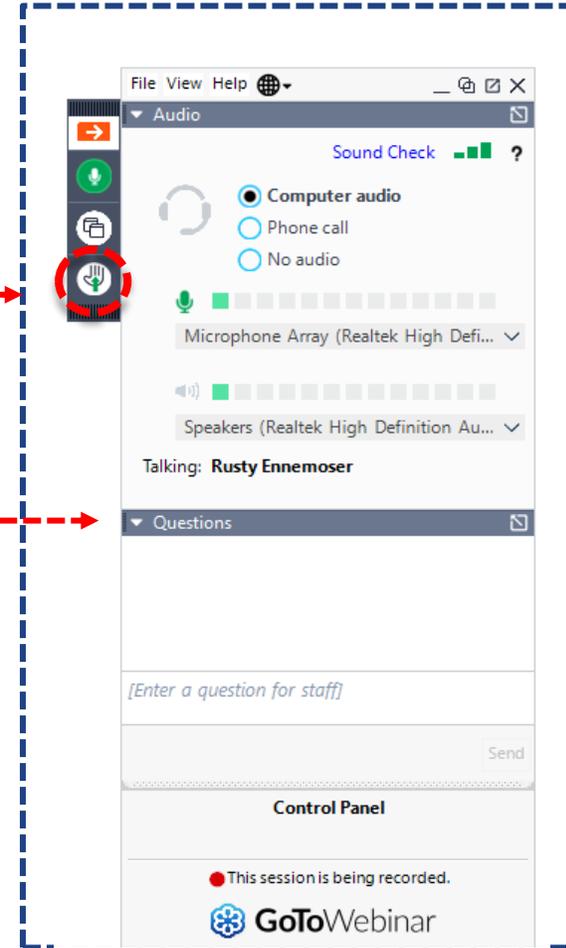
# Public Hearing Engagement

- Public Hearing is being recorded
- Presentation followed by a formal comment period
- Presentation is available on the project website at: <http://www.southflroads.com/atlanticislesbridge>
- Project team will remain until 8:00 p.m.
- Can't hear the audio? Check computer speaker settings in the control panel
- For Technical Assistance: Call 1-800-418-0524
  - Or dial-in to this hearing 1-562-247-8422 and use Access Code: 905-880-793



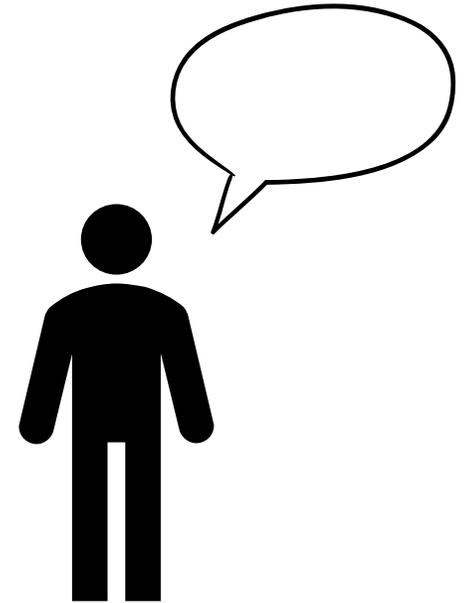
# Public Hearing Engagement

- Virtual Attendees are Automatically Muted
- Comments from virtual attendees:
  1. Oral comments:
    - Click “Raise hand” and you will be unmuted
  2. Written comments:
    - Type comment in “Questions” Box
- Include your full name and address with comment
- Dial-in (audio only) attendees will not be able to provide comments during the hearing. To provide comments, call 305-470-5420 or email Victoria Vogt at [Victoria.Vogt@dot.state.fl.us](mailto:Victoria.Vogt@dot.state.fl.us)



# Public Hearing Engagement

- Comments from in-person attendees:
  1. Submit written comments using provided comment forms
  2. Comment directly to the court reporter
  3. Complete a speaker card to provide oral comment
- Include your full name and address with comment
- Oral comments limited to **three(3) minutes**
- No responses provided during formal comment period (minor clarifications only)
- Responses provided after 10-day comment period ends
- All comments will become part of the Public Hearing Record and all forms of comments carry the same weight



# Atlantic Isle at West of SR A1A Bridge No. 874218 Project Development and Environment (PD&E) Study

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# Start-up & Welcome

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.



# Elected Officials

We would like to recognize any federal, state, county, or city officials who may be present.

Please stand or select the raise hand feature on the control panel.





# Title VI Compliance

Public participation at this hearing is 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:

Tish Burgher  
FDOT District 6  
1000 NW 111 Avenue  
Miami, Florida 33172  
(305) 470 5277  
[Tish.Burgher@dot.state.fl.us](mailto:Tish.Burgher@dot.state.fl.us)

Stefan Kulakowski  
State Title VI Coordinator  
605 Suwannee Street  
Tallahassee, Florida 32399-0450  
(850) 414-4742  
[Stefan.Kulakowski@dot.state.fl.us](mailto:Stefan.Kulakowski@dot.state.fl.us)

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



# Public Hearing Purpose and Information

## *Laws and Regulations*

This public hearing is being held in accordance with:

- **Section 120.525, F.S.** – Meetings, hearings, and workshops
- **Section 286.011, F.S.** – Florida’s Government in the Sunshine Law
- **Section 339.155, F.S.** – Transportation planning
- **Americans with Disabilities Act of 1990 (ADA)**
- **Title VI of the Civil Rights Act of 1964** and Other Nondiscrimination Laws
- **49 CFR Part 24**, Uniform Relocation Assistance and Real Property Acquisition for Federal and Federally-Assisted Programs
- **40 CFR Part 1506**, Other Requirements of NEPA



# Public Hearing Format

## 1 Open House

- View study materials
- Speak directly with study team
- Provide comments

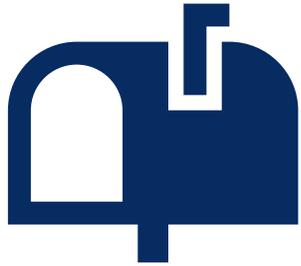
## 2 Presentation

- Explains purpose and need
- Study alternatives
- Preferred Alternative
- Benefits and impacts

## 3 Comment Period

- Provide oral or written comments
- Provide comments to court reporter (in-person)
- Responses provided at a later date
- **All comments carry the same weight**

# Public Notice



Property owner/tenant letters



Emails to elected/appointed officials and interested parties



FDOT website  
[www.southflroads.com/atlanticislesbridge](http://www.southflroads.com/atlanticislesbridge)



Florida Administrative Register



Newspaper



Social media



# Hearing Purpose and Study Team



**Victoria Vogt**



**Colleen Ross**



**Max Imberman**



**Joy Castro**



# AGENDA

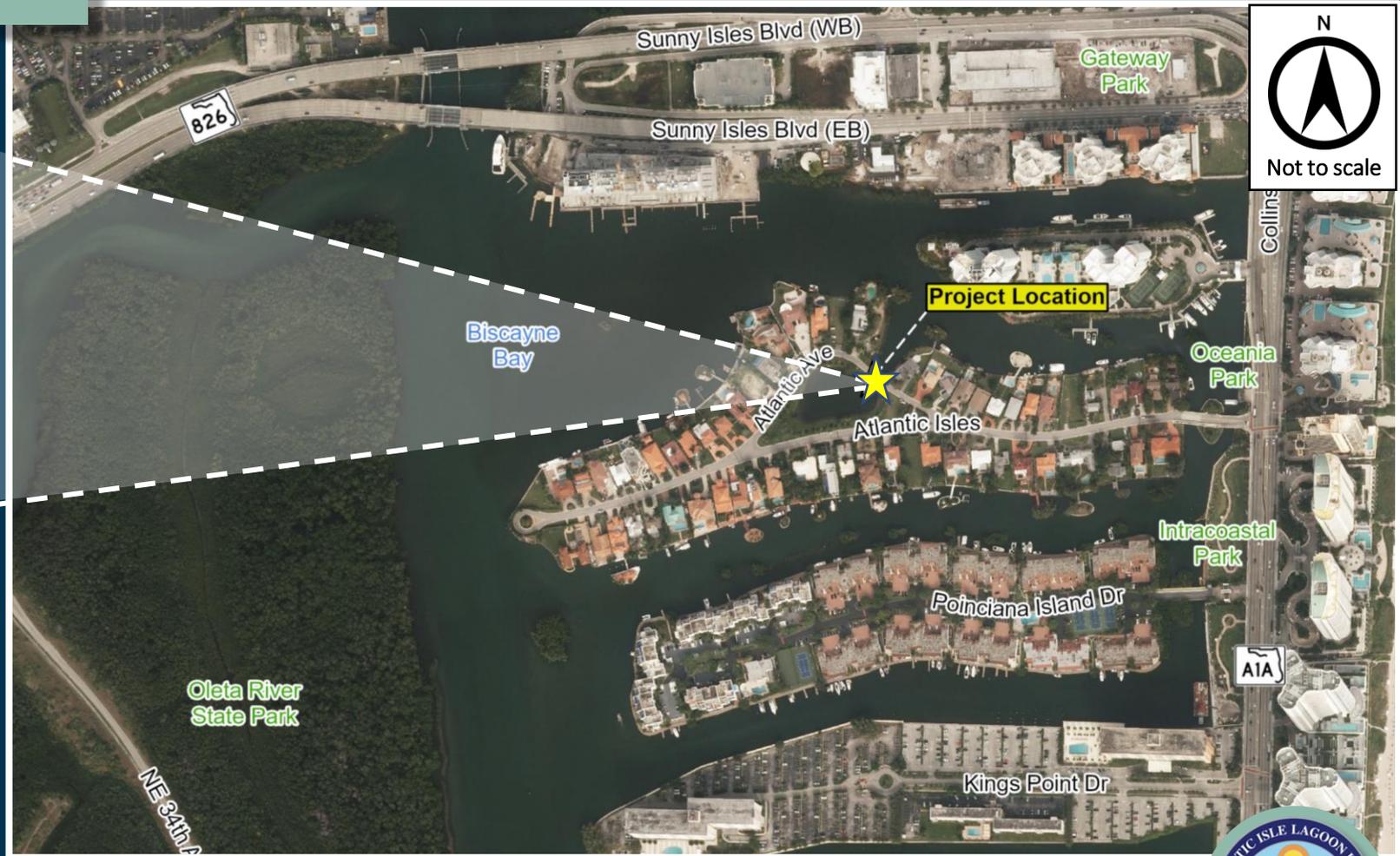
- ✓ Introduction
- ✓ PD&E Study Process
- ✓ Purpose and Need
- ✓ Existing Conditions
- ✓ Alternatives Analysis
- ✓ Public Outreach
- ✓ Preferred Alternative
- ✓ Environmental Documents
- ✓ Contact Information
- ✓ Public Comments



# Project Location Map



- Located on Atlantic Island
- City of Sunny Isles Beach
- Atlantic Isle residential community
- Island surrounded by Biscayne Bay
- Bridge spans Atlantic Isle Lagoon



# Project Study Area

- Two local streets within Study Area:
  - Atlantic Avenue – one-way eastbound facility
  - Atlantic Isles – two-way facility
- Atlantic Isle Bridge (FDOT Bridge No. 874218)
  - Located on Atlantic Avenue (one-way)
  - Determined National Register of Historic Places (NRHP)-eligible in 2016
- Atlantic Island Park and Lagoon- Determined NRHP-eligible in 2022

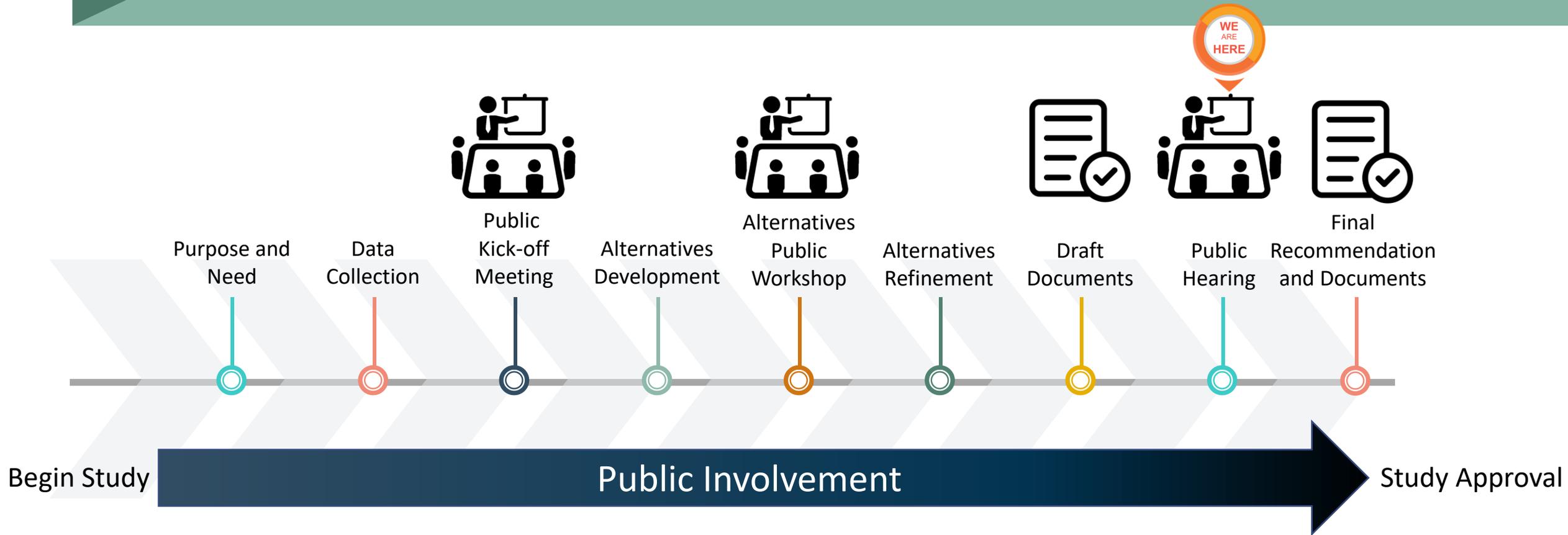


# Project Background

- Bridge constructed in 1925
- Bridge owned by City of Sunny Isles Beach
- Low-level bridge with cast-in-place reinforced concrete arch
- 1999 – load rating analysis performed
- Bridge inspected annually by FDOT
- Summer 2020 – PD&E Study Initiated



# 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 is clear and reflects the sky and the bridge. In the background, there are palm trees and modern buildings under a clear blue sky.

- Rehabilitation of the bridge

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

- Improve existing bridge deficiencies

# Purpose and Need

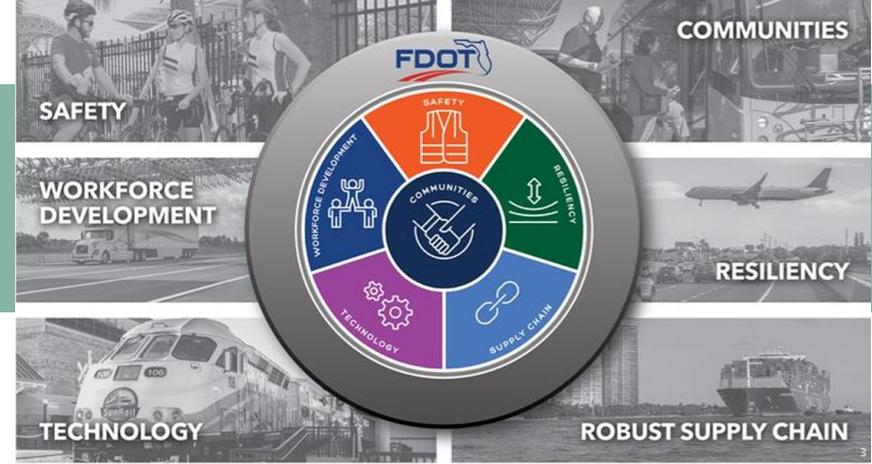
## Bridge Deficiencies

- FDOT Bridge Inspection – Performed September 29, 2023
  - Bridge Health Index = 60.39 (out of 100)
  - Sufficiency Rating = 40.9 (out of 100)
  - Functionally Obsolete – substandard traffic barriers and roadway geometry
  - Missing oolitic limestone on north face of arch
  - Exposed steel and areas of corrosion throughout length of arch underside
- Geotechnical Evaluation – Performed in March 2021
  - Inconclusive
  - Bridge classified as having “unknown foundations”

FDOT		BRIDGE INSPECTION REPORT		Inspected by: LARS Engineering, Inc.
PREPARED FOR: FDOT District 6		BRIDGE OWNER: City of Sunny Isles Beach		INSPECTION TYPE: Routine
CONTRACT No. CA611		Inspection Date: 09-29-23		
Bridge No. 874218	REPORT CONTAINS			
<input checked="" type="checkbox"/> BrM Inspection Report	<input checked="" type="checkbox"/> Bridge Profile	<input type="checkbox"/> Fracture Critical Data	<input type="checkbox"/> Addendum	
<input checked="" type="checkbox"/> CIDR Information	<input type="checkbox"/> UW Inspection Report	<input checked="" type="checkbox"/> Load Rating Summary Sheet	<input type="checkbox"/> Mechanical and Electrical Data	
Atlantic Isle Ave. over Ocean Canal	Facility Carried & Location			0.25 Miles West of A1A
Location Map				Detour Length = 0.13 mi.



# Project Goals



**Minimize  
Environmental Impacts**

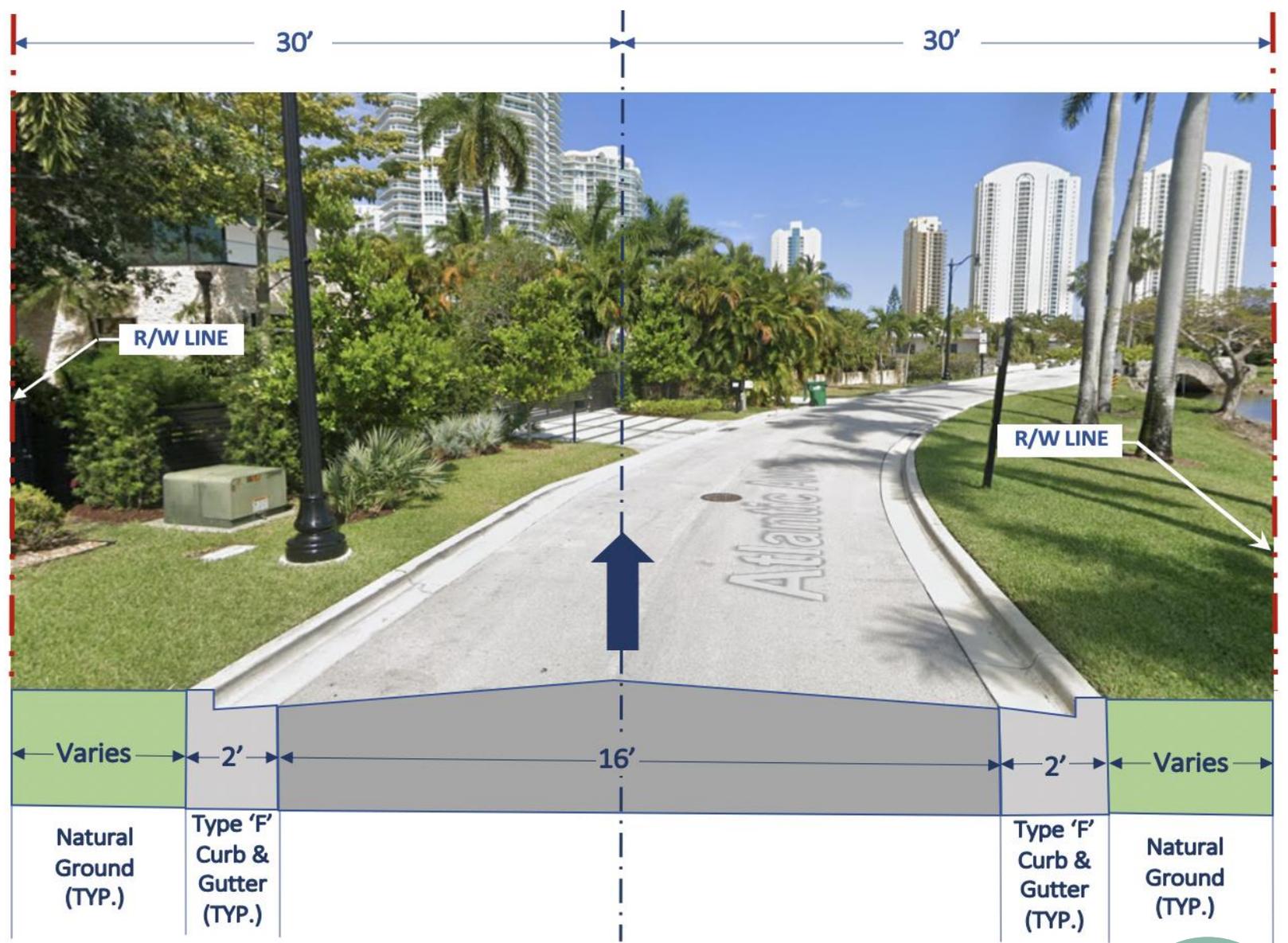


**Minimize Effects  
To Significant  
Cultural Resources &  
Improve Mobility**

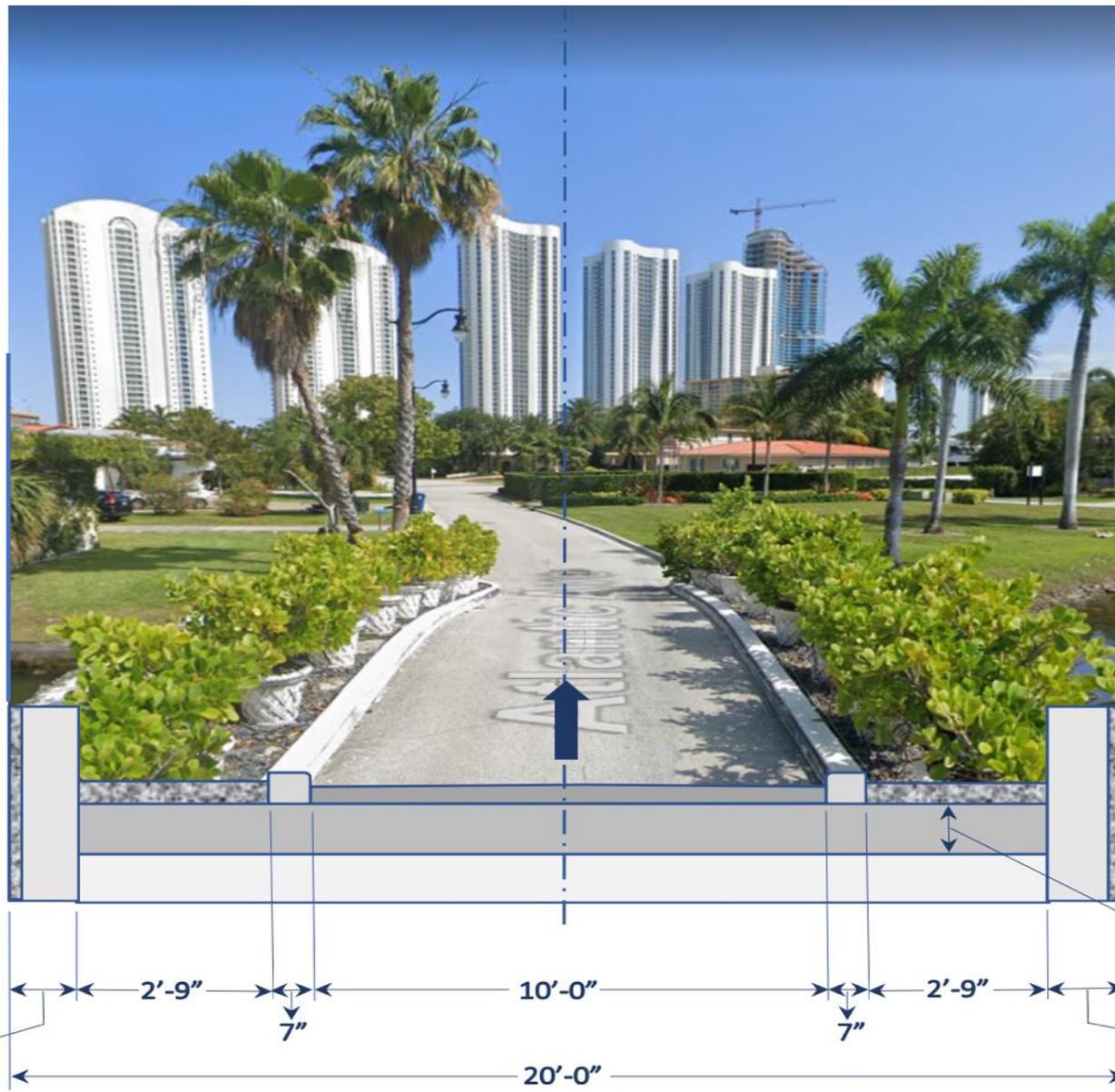


**Enhance Safety**

# Existing Typical Section of Atlantic Avenue



# Existing Typical Section for 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





# Initial Alternatives Considered

- ✓ No-Action
- ✗ Transportation Systems Management and Operations Alternative
- ✗ Multimodal Alternative
- ✗ Tunnel Alternative
- ✓ Bridge Rehabilitation
- ✓ Bridge Replacement





# Viability Alternatives

- Build Alternative 1 - Bridge Rehabilitation
- Build Alternative 2 - Bridge Replacement
- No-Action Alternative



# No Action Alternative

## Advantages:

- No construction costs
- No temporary noise or vibration impacts during construction
- No disruption to community or travel patterns

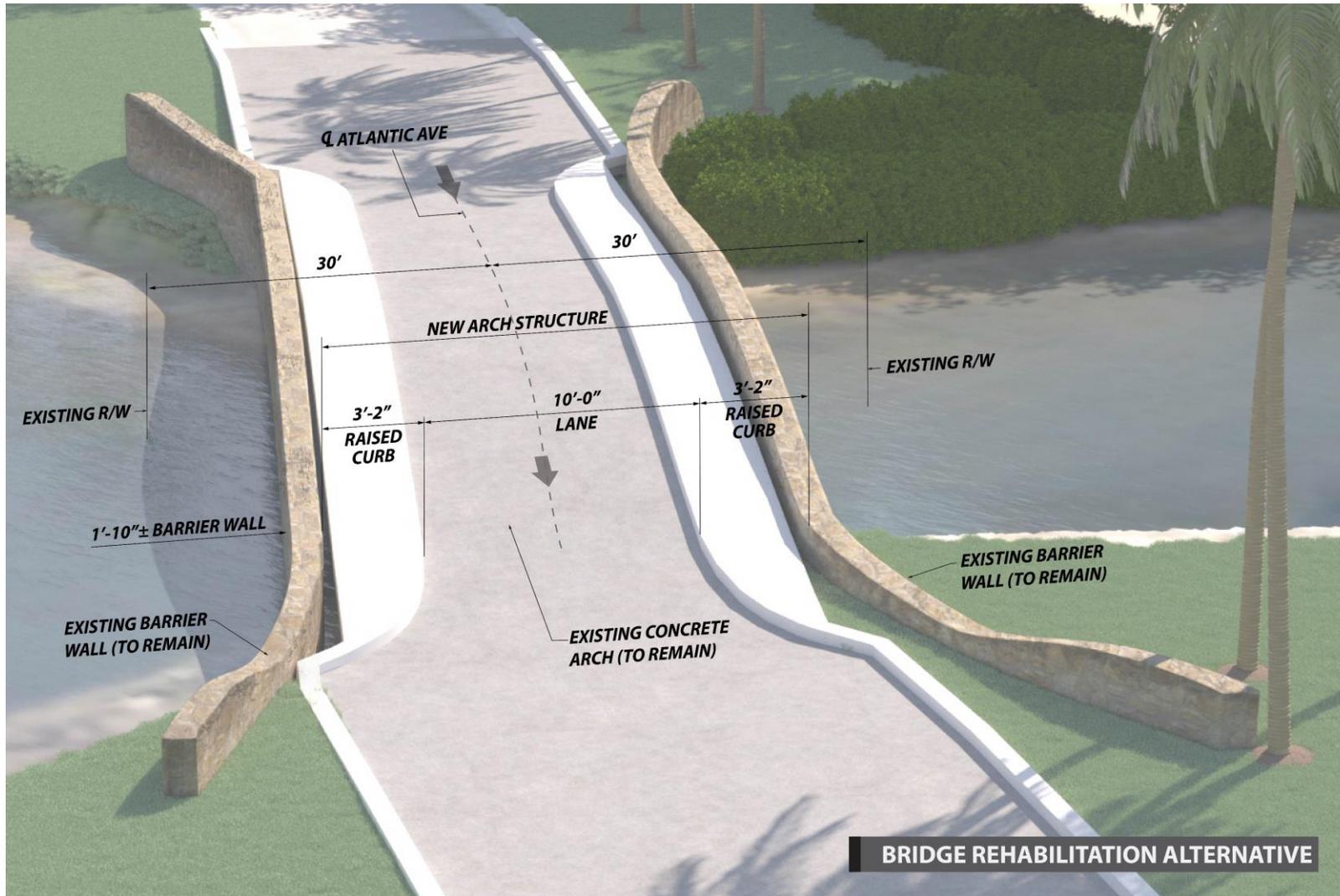
## Disadvantages:

- Structural/non-structural bridge elements will continue to deteriorate
- Continued maintenance
- Continued deterioration may compromise bridge's historic integrity
- Bridge would remain functionally obsolete
- Load restrictions would remain



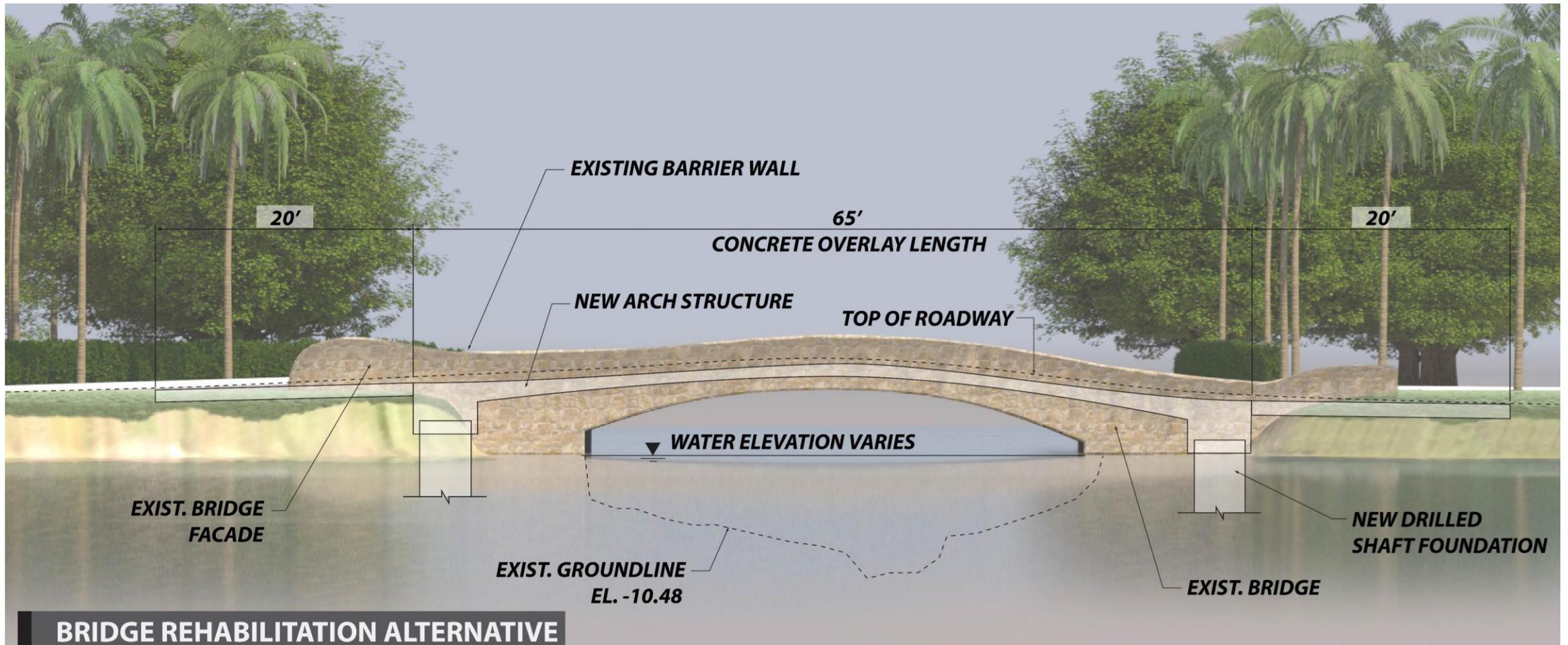
# Build Alternative 1 – Rehabilitation

## Typical Section



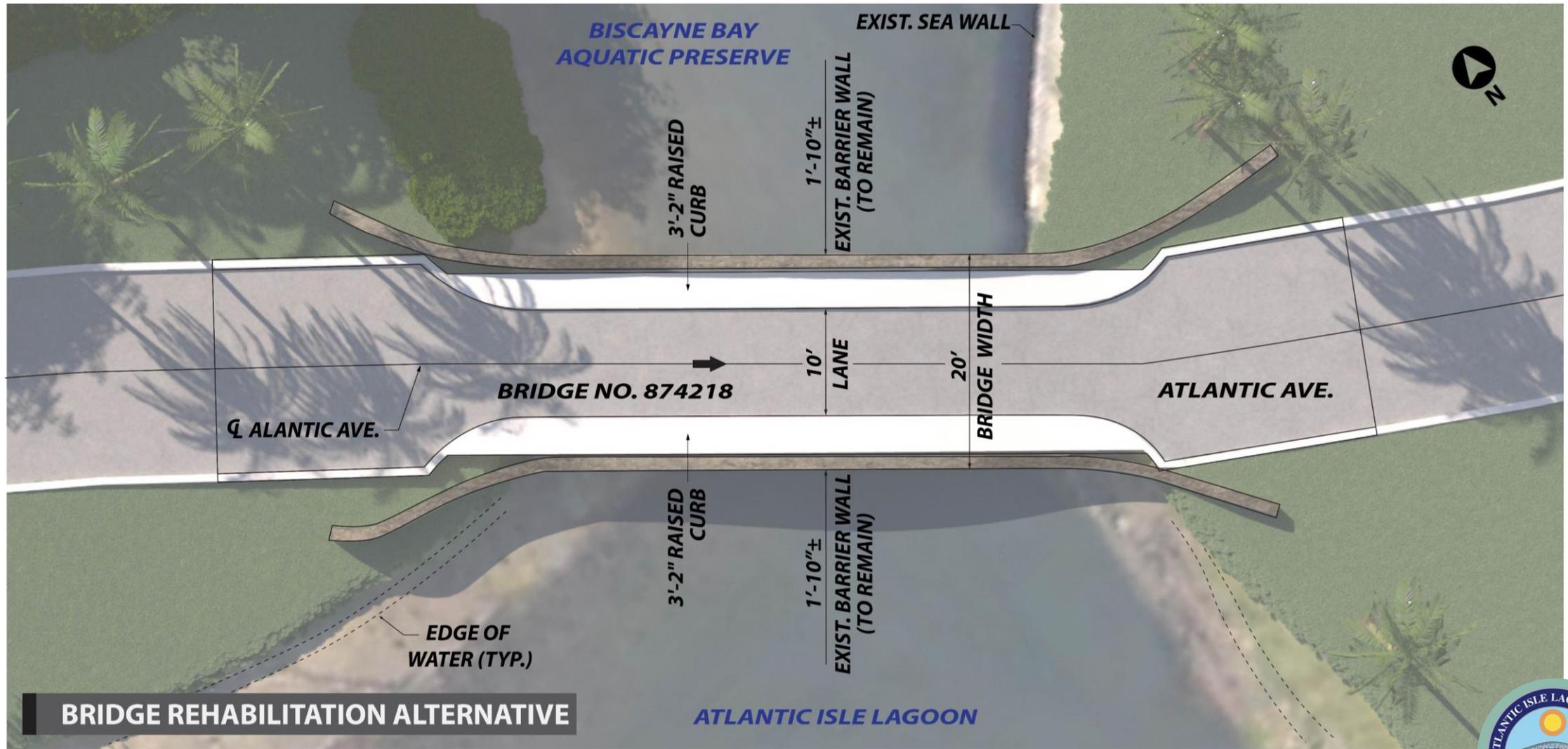
# Build Alternative 1 – Rehabilitation

## Elevation View



# Build Alternative 1 – Rehabilitation

## Plan View



# Build Alternative 1 - Rehabilitation

## Advantages:

- Provides new bridge riding surface, structural arch, and foundations
- Maintains existing arch and bridge façade (oolitic limestone)
- Load restrictions removed
- New bridge components life = 75 years

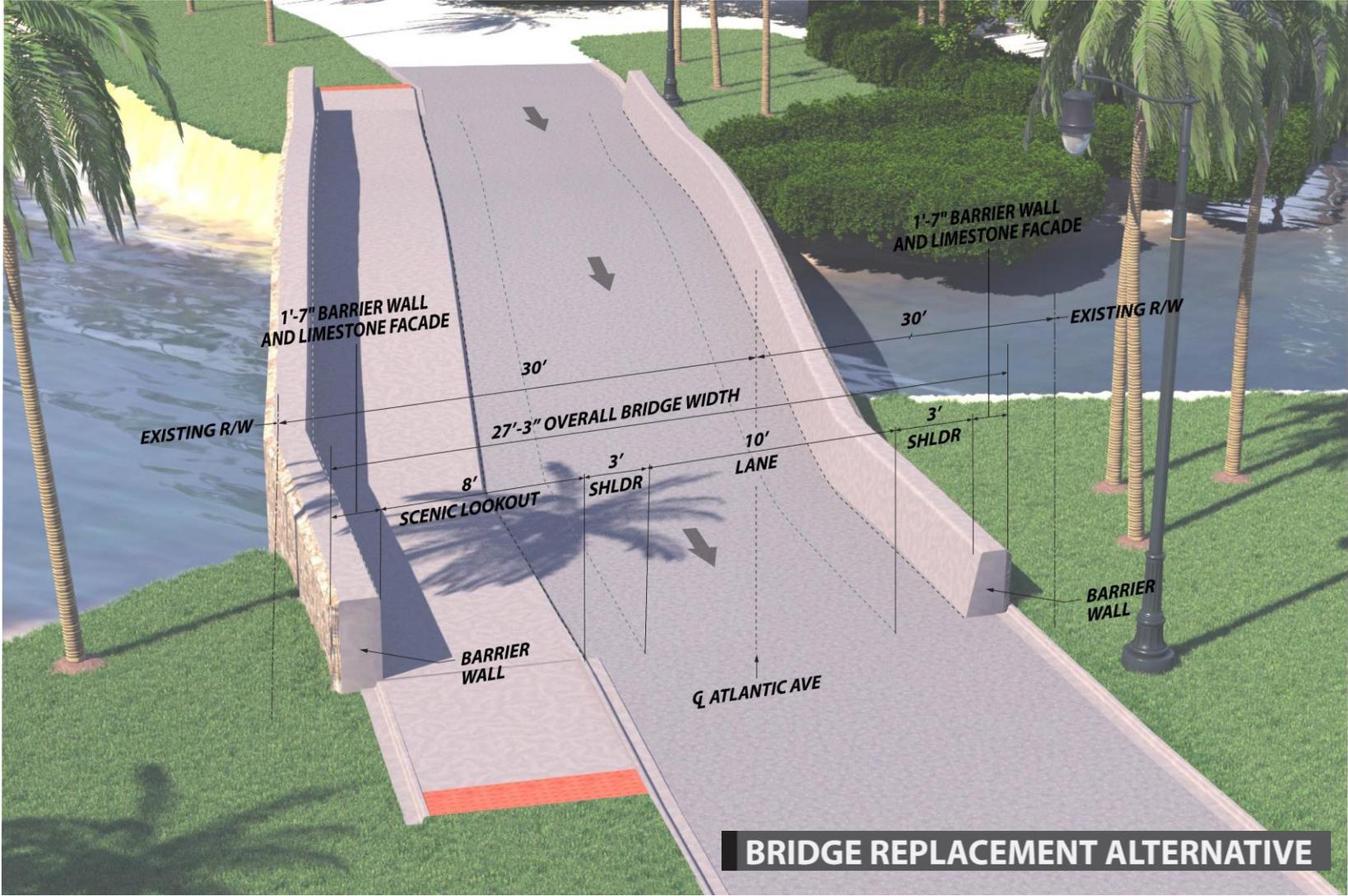
## Disadvantages:

- Does not rehabilitate façade
- Significant damage risk to historic features during construction
- Bridge would remain functionally obsolete
- Frequent future maintenance of bridge façade
- High construction costs and longer construction time compared to replacement
- Would likely result in an adverse effect to the NRHP-eligible Atlantic Island Bridge (8DA6433) and the Atlantic Island Resource Group (8DA19241)



# Build Alternative 2 – Replacement

## Typical Section

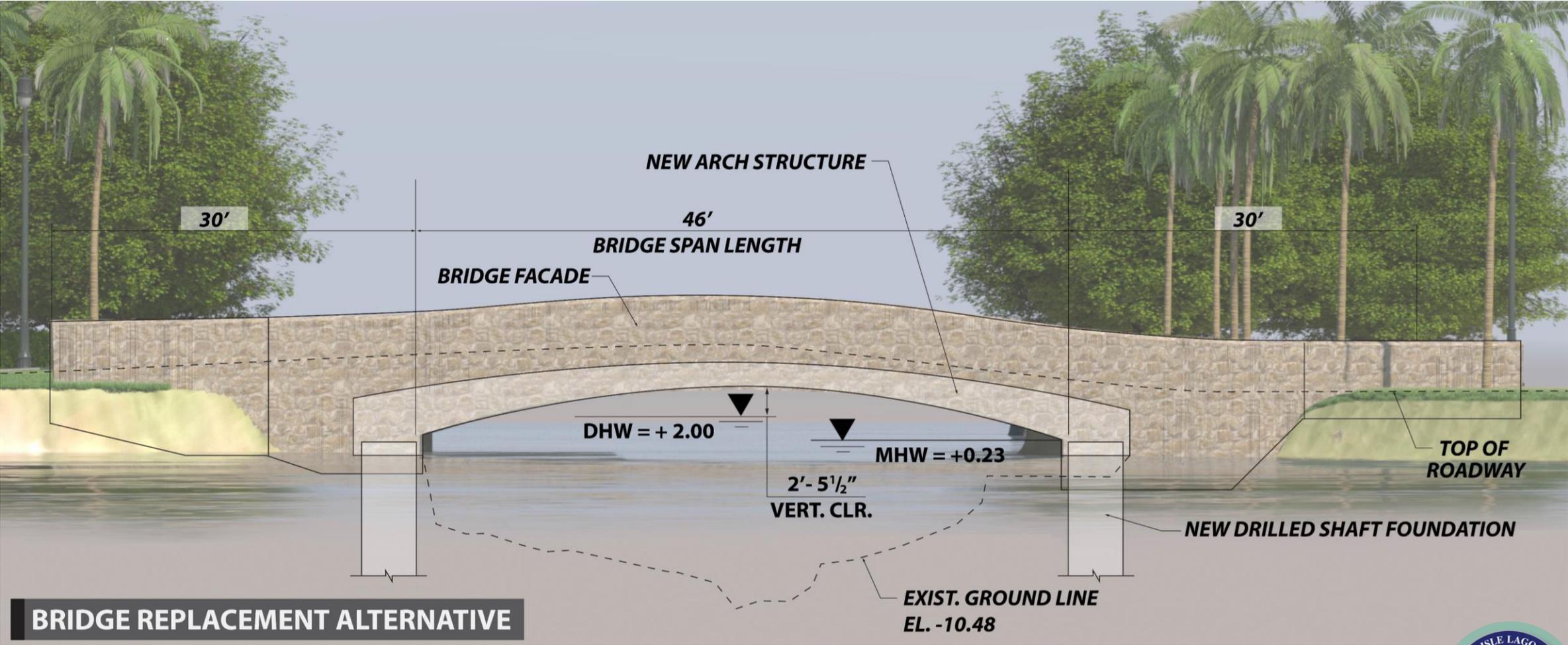


**BRIDGE REPLACEMENT ALTERNATIVE**

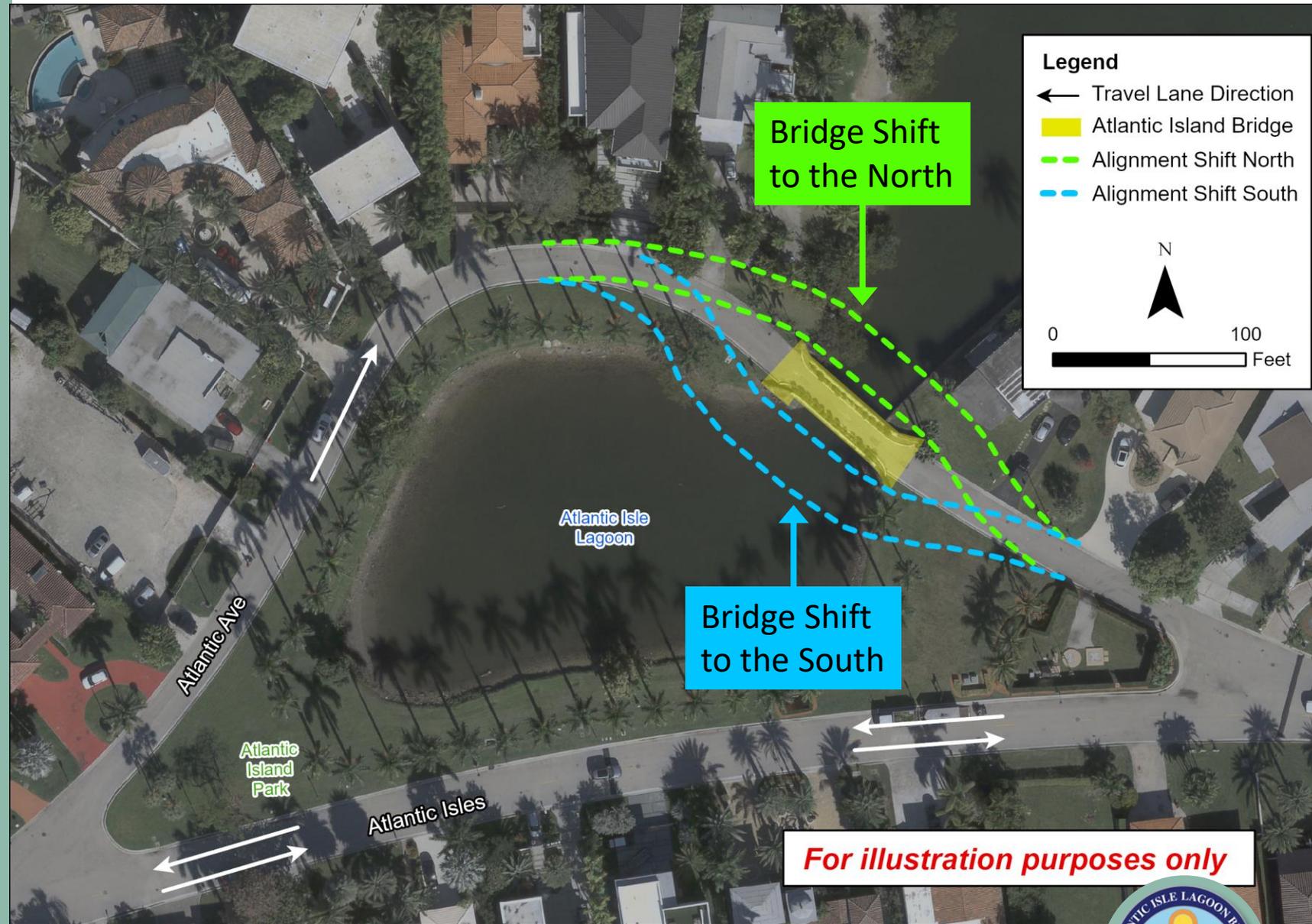


# Build Alternative 2 – Replacement

## Elevation View

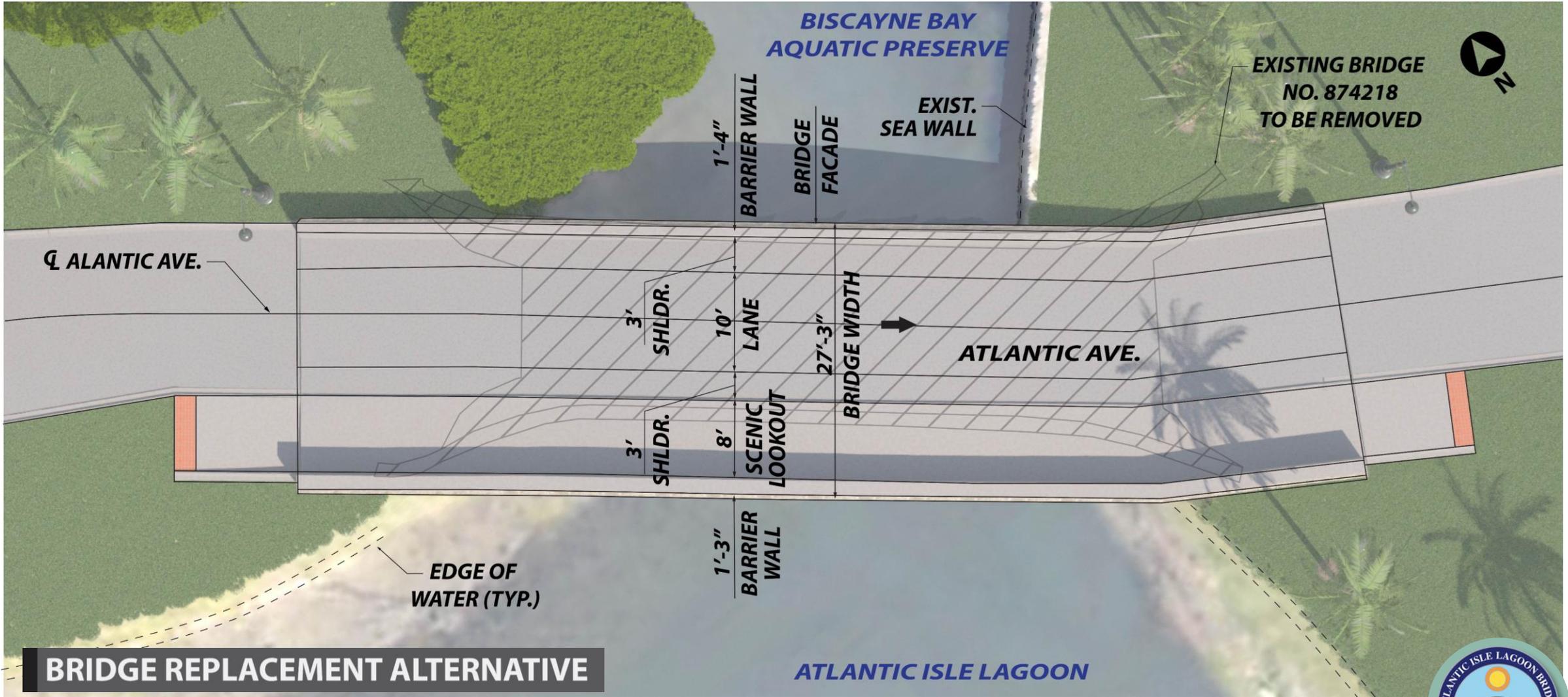


# Bridge Replacement Alignment Considerations



# Build Alternative 2 – Replacement

## Plan View



**ATLANTIC ISLE LAGOON**



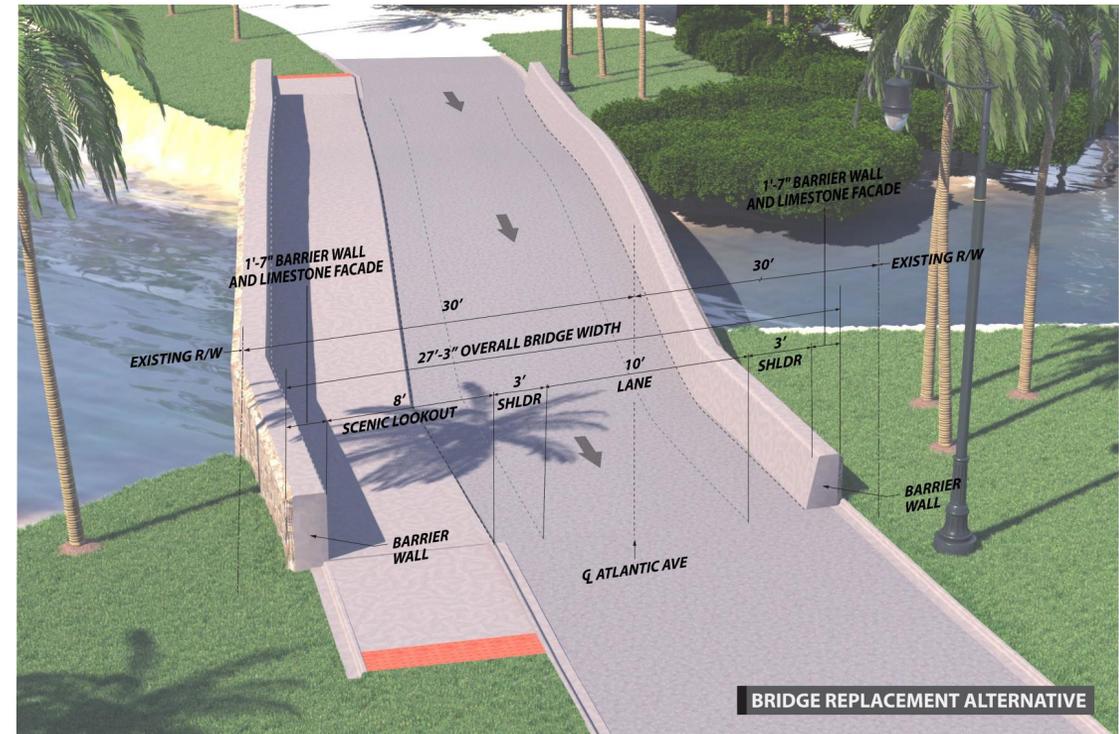
# Build Alternative 2 - Replacement

## Advantages:

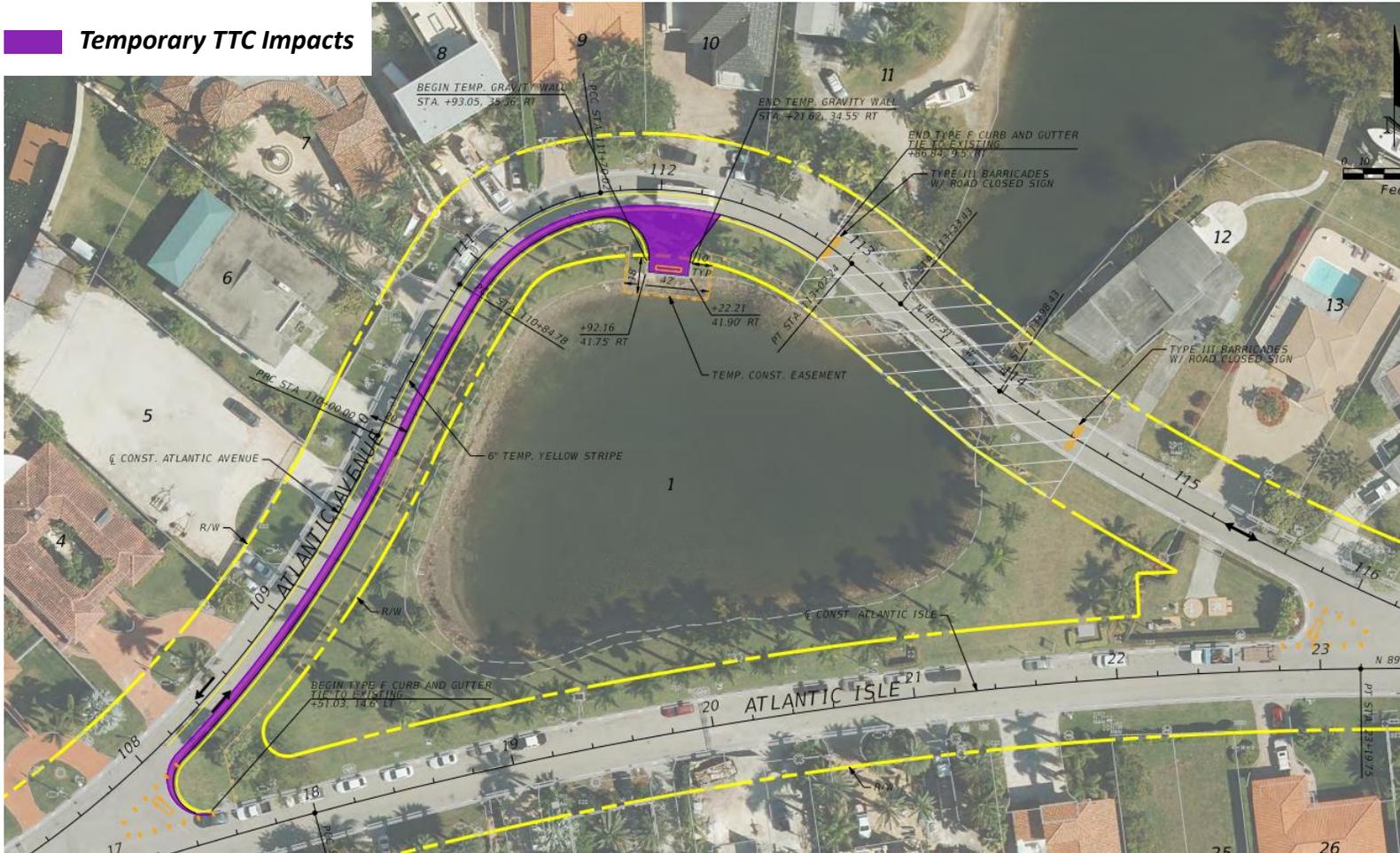
- Improves bridge functionality and safety (meets Florida Greenbook criteria)
- Addition of a shared-use path for pedestrians and bicyclists
- Lower construction & maintenance costs (compared to Rehabilitation Alternative)
- Could be designed to mimic existing bridge by re-using oolitic limestone (or locally sourced)
- Bridge life = 75 years
- Posted weight restrictions removed

## Disadvantages:

- Historic bridge is replaced
- Would result in an adverse effect to the Atlantic Island Bridge (8DA6433) and Atlantic Island Resource Group (8DA19241)



# Temporary Traffic Control Considerations



- Temporary traffic control (TTC) impacts are the same for both Build Alternatives
- Temporary impacts include:
  - Construction easement impacts to Atlantic Island Park

# Public Involvement

## 3 Public Meetings

- Kick-Off Meetings - October 27, 2020
- Alternatives Public Workshop – June 23, 2022
- Public Hearing – March 21, 2024



## 2 Affected Parties Consultation (APC) Meetings

- June 08, 2022
- July 21, 2023



## 2 City of Sunny Isles Beach Historic Preservation Board Meetings

- October 11, 2022
- May 11, 2023



# Public Involvement

## State

- Florida Department of Environmental Protection
- State Historic Preservation Office
- 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
- City of Sunny Isles Beach Historic Preservation Board
- Miami-Dade County
- Dade Heritage Trust
- South Florida Water Management District



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FLORIDA DEPARTMENT OF STATE  
DIVISION OF  
*Historical Resources*



**NOAA  
FISHERIES**



# Comparative Alternatives Characteristics

Evaluation Criteria	No-Action Alternative	Build Alternative 1 Rehabilitation	Build Alternative 2 Replacement
Replaces Existing Foundation	No	Yes	Yes
Replaces Existing Bridge Riding Surface & Arch	No	Yes	Yes
Removes Weight Limit Restrictions	No	Yes	Yes
Bridge Life	15 to 25 years (estimated)	75 years	75 years
Bridge Width / Length (feet)	20 / 43	20 / ~65	27 / ~46
Rehabilitates Oolitic Limestone Facade	No	No	Potential Reuse
Meets Minimum Vertical Clearance for Debris	No	No	No
Maintains Bridge Historic Integrity	Uncertain Duration	No	No
Construction Damage Risk	None	High	Not Applicable
Provides Enhanced Operations and Safety	No	No	Yes





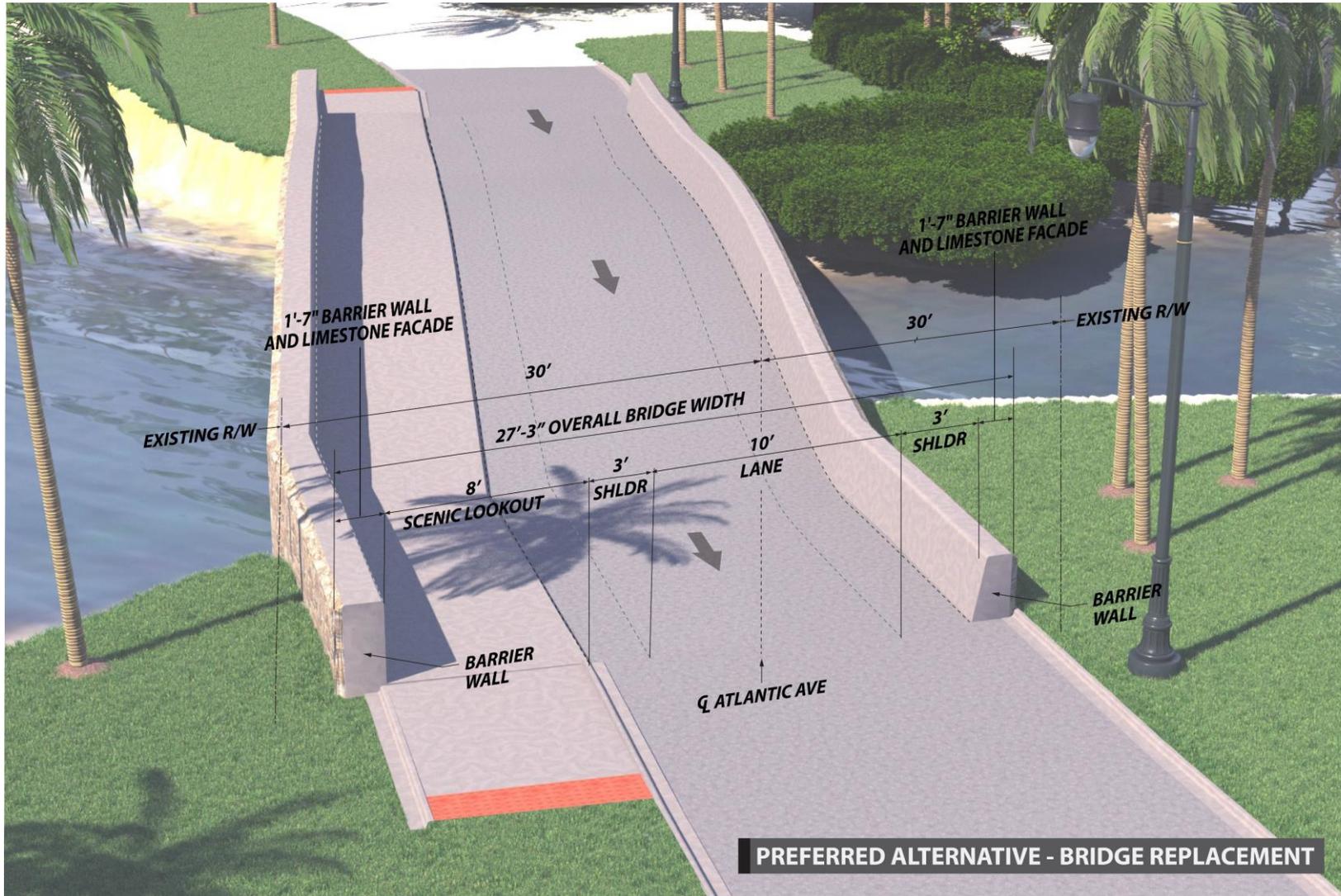
# Alternatives Impacts Evaluation Matrix

Evaluation Criteria	No-Action Alternative	Build Alternative 1 Rehabilitation	Build Alternative 2 Replacement
Potential Temporary Construction Easement Impacts (acres)	0	0.03	0.03
Preliminary Construction Cost Estimate	0	\$1.66 million	\$1.39 million
<b>Social</b>			
Community Use Parcels Temporarily Impacted (no. of parcels)	0	1	1
Residential Parcels Impacted (no. of parcels)	0	0	0
<b>Natural Environment</b>			
Potential Wetland Impacts (acres)	0	0.1	0.1
Potential Surface Water Impacts (acres)	0	0.1	0.1
Increase Shading Impacts	No	No	Yes
Potential Species Habitat Impacts (acres)	0	0.11	0.11
100-Year Floodplain Impacts (acres)	0	0	0
<b>Cultural Environment</b>			
Potential Number of NRHP-eligible Resource Impacts (no. of resources)	0	3	3
Potential Impacts to Section 4(f) Resources (no. of resources)	0	3	3
<b>Physical Environment</b>			
Contamination Site Impacts (Medium and High-Risk Sites (no. of sites)	0	0	0
Major Utility Impacts (no. of conflicts)	0	0	0



# Preferred Alternative – Bridge Replacement

## Typical Section



# Natural Resources

- Biscayne Bay Aquatic Preserve
  - Outstanding Florida Water
  - No significant impacts to water quality
  
- Minimal impacts to surface waters and wetlands/seagrass bed (0.005 acres)
  - Mitigation plan required during the design phase
  
- No 100-Year Floodplain Impacts Anticipated



# Natural Resources

- *May Affect, Not Likely to Adversely Affect*
  - West Indian manatee
  - Florida bonneted bat
  - Eastern indigo snake
  - Smalltooth sawfish
  - Giant manta ray
  - Hawksbill sea turtle
  - Loggerhead sea turtle
  - Kemp’s ridley sea turtle
  - Green sea turtle
- Effects determined to be *No Effect, No Effect Anticipated, or No Adverse Effect Anticipated* for the remaining species with potential to occur within the study area
- Informal Section 7 Consultation with U.S. Fish and Wildlife Service, National Marine Fisheries, and Florida Fish and Wildlife Conservation Commission
- Essential Fish Habitat (EFH) and Habitat Areas of Particular Concern (HAPC) analysis conducted in accordance with the Magnuson-Stevens Fishery Conservation and Management Act
  - EFH and HAPCs impacts determined to be not significant
  - Coordination with National Marine Fisheries Service

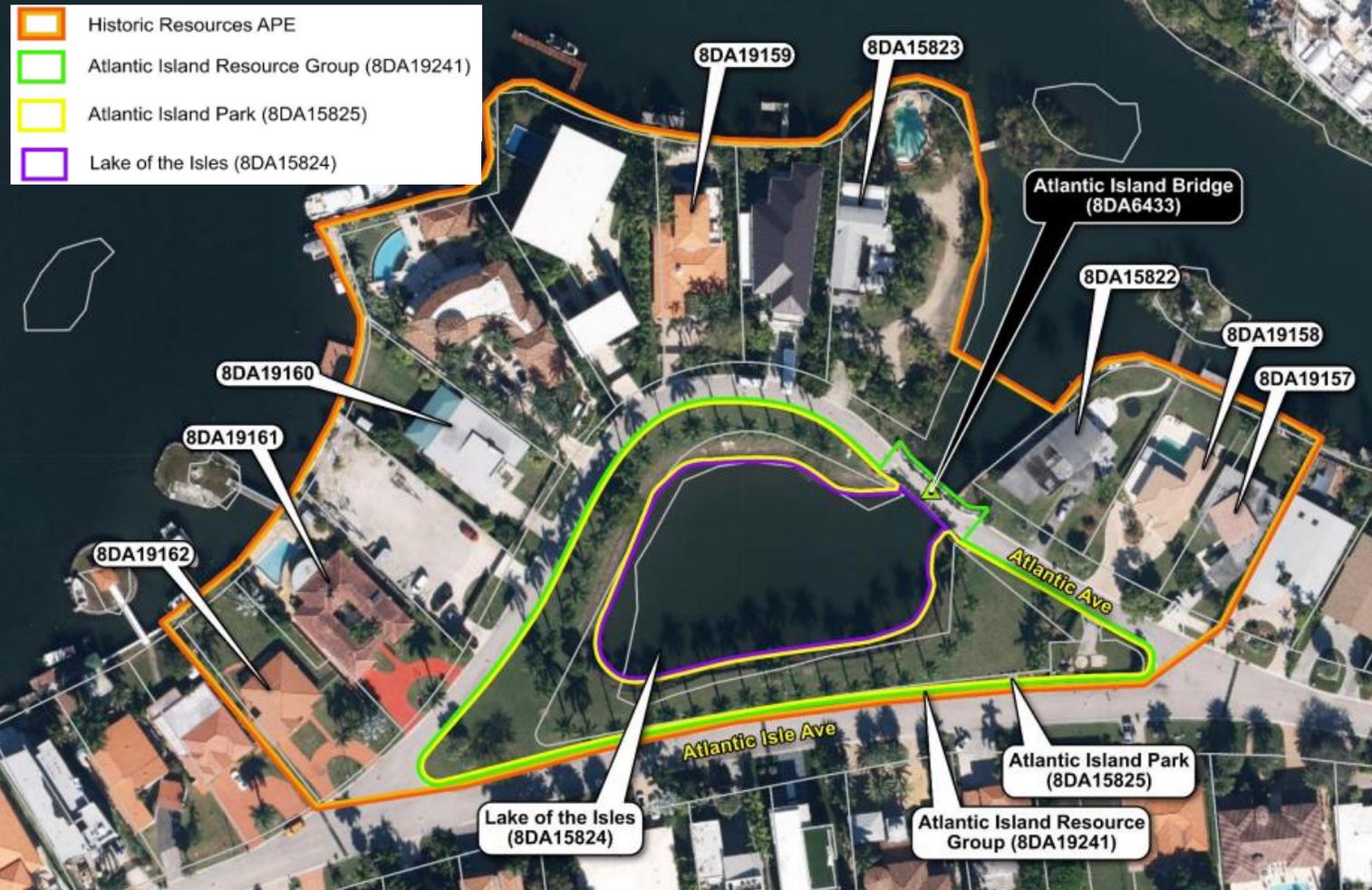


# Physical Environment

- No known contaminated sites
- No asbestos-containing materials or heavy metal-based coatings found
- Minimal potential for contamination involvement
- No significant noise, vibration, or air quality impacts anticipated
- No major utility impacts anticipated



# Cultural Resources



- 8/23/2016 – State Historic Preservation Officer determined **Atlantic Island Bridge** National Register-eligible
- 2/24/2022 – State Historic Preservation Officer determined **Atlantic Island Resource Group** National Register-eligible

**Atlantic Island Resource Group** (8DA19241) includes:

- Atlantic Island Bridge (8DA6433)
- Lake of the Isles (Lagoon) (8DA15824)
- Atlantic Island Park (8DA15825)

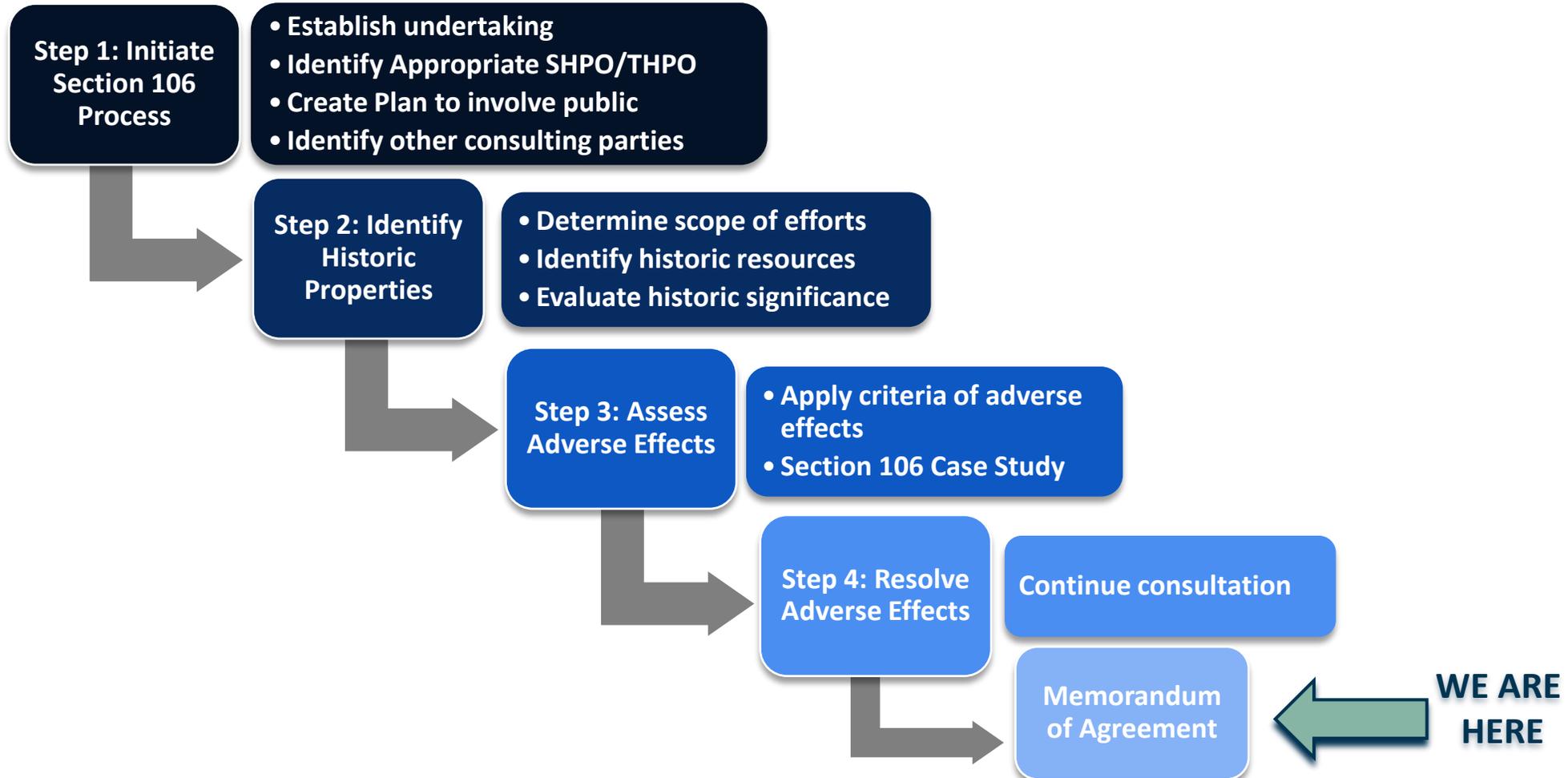


# Atlantic Isle Historic Significance

- Atlantic Isle island was constructed during the Florida Boom Period (1917–1929) and the original design included these resources:
  - Atlantic Island Bridge
  - Lake of the Isles (Lagoon)
  - Atlantic Island Park
- Atlantic Island Bridge Historic Elements
  - Only remaining historic bridge of the three originally constructed on the island in 1925
  - Bridge’s oolitic limestone quarried in Miami-Dade County (unique application for a bridge)
  - Irregular whitewashed stucco on the interior of the bridge
  - Early example of an arch deck bridge



# Section 106 of the National Historic Preservation Act Process



# Minimization and Mitigation Measures

## Mitigation Measures Documented in the Memorandum of Agreement (MOA)

- Incorporate Historical Design Elements into the New Bridge, as feasible
- City of Sunny Isles Beach and SHPO provided an opportunity to comment during the design phase
- Historic American Engineering Record (HAER) and Historic American Landscape Survey (HALS) Documentation - Bridge, Park, & Lagoon
- State Historic Marker - History of Atlantic Isles Design, Bridge, Park, & Lagoon



# Section 4(f) Resources

*Section 4(f) refers to the original section within the **U.S. Department of Transportation Act of 1966** which established the requirement for consideration of public park and recreational lands, wildlife and waterfowl refuges, and historic sites in transportation project development.*

- Section 4(f) Resources Include:
  - Atlantic Island Bridge
  - Lake of the Isles
  - Atlantic Island Park
  - Atlantic Island Resource Group
- Alternatives were Evaluated under Section 4(f)
- Section 4(f) Analysis Completed in Connection with Section 106
- Individual Section 4(f) Documentation Required
- Evaluated:
  - Avoidance Alternative
  - Least Harm Alternative
- No Feasible And Prudent Avoidance Alternative

# Social Environment



- Property Owners:
  - Residential (private)
  - Atlantic Island Civic Association
  - Miami-Dade County
  - City of Sunny Isles Beach
- No Right-of-Way impacts expected
- No relocations or impacts to residential buildings anticipated
- One (1) Community Use Parcel (Atlantic Island Park) temporarily impacted during construction



# PD&E Study Documents

- Geotechnical Report
- Cultural Resource Assessment Survey
- Utility Assessment Package
- Conceptual Drainage Report
- Location Hydraulic Report
- Water Quality Impact Evaluation Checklist
- Section 106 Case Study Report
- Individual Section 4(f) Evaluation
- Contamination Screening Evaluation Report
- Preliminary Engineering Report
- Natural Resource Evaluation
- Type 2 Categorical Exclusion
- Public Involvement Plan
- Agency Coordination

## PD&E Study Materials Display Locations:

**From February 29, 2024, to April 1, 2024**

**Sunny Isles Beach Government Center**

18070 Collins Avenue

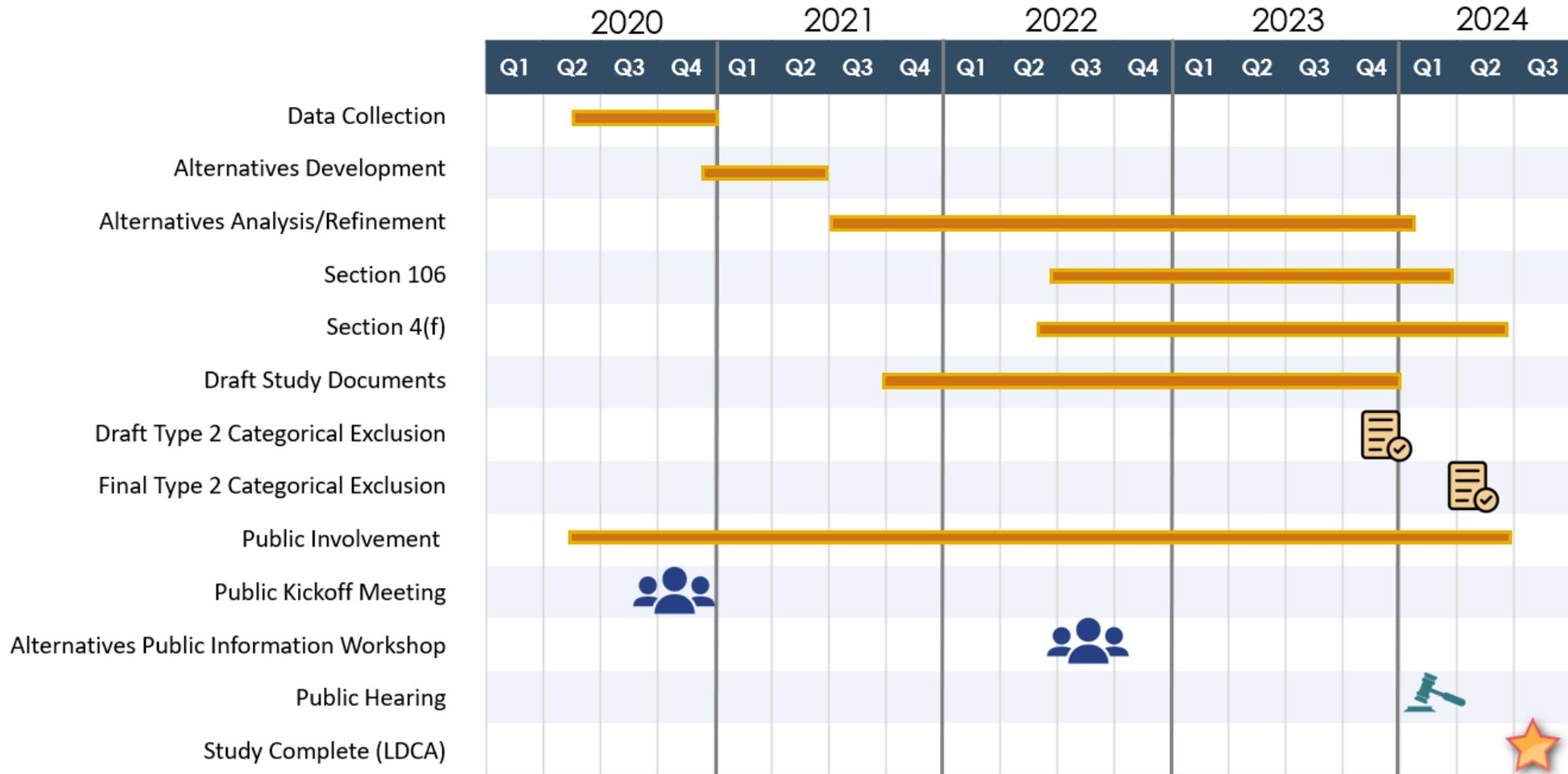
Sunny Isles Beach, FL 33160

Monday – Friday, 8 a.m. to 5 p.m.

**Project Website:**

[www.southflroads.com/atlanticislesbridge](http://www.southflroads.com/atlanticislesbridge)

# Project Schedule





# Contact Information

Victoria Vogt, M.S., FCCM

FDOT Project Manager

1000 NW 111 Avenue

Miami, Florida 33172

Phone: (305) 470-5420

Email: [Victoria.Vogt@dot.state.fl.us](mailto:Victoria.Vogt@dot.state.fl.us)

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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)

Project Website:

[www.southflroads.com/atlanticislesbridge](http://www.southflroads.com/atlanticislesbridge)

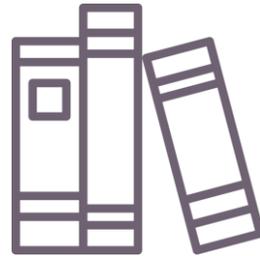


# Public Comments

Please submit your comments by April 1, 2024



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



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



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

# Public Comment Period

- In-person attendees:
  - Complete speaker card to provide oral comments
  - Speakers will be called to the microphone in order received
- Virtual attendees:
  - Submit written comments using the “Questions” box
  - For oral comments, press the “raise hand” button in your GoToWebinar control panel
- **Provide your full name and address with all comments**
- Oral comments will be limited to **three minutes**
- Comments received during this formal comment period will be responded to at a later date, except those requiring minor clarification
- **All forms of comment carry the same weight**



# Conclusion



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

## Comments

Type comments or questions into the control panel or complete a comment card if you are attending in person.

## After Hearing

[monica@iscprgroup.com](mailto:monica@iscprgroup.com)



Attn. Victoria Vogt, M.S., FCCM  
1000 NW 111 Avenue, Room 611  
Miami, Florida 33172



(305) 470-5420



Comments received tonight or postmarked/emailed by **April 1, 2024** will become part of the public hearing record

[www.southflroads.com/atlanticislesbridge](http://www.southflroads.com/atlanticislesbridge)



# Thank You for attending!



Public  
Hearing

March 21, 2024

