



State Road (SR) A1A North Causeway Over the Intracoastal Water Way Bridge Replacement Project

in the City of Ft. Pierce, St. Lucie County

Financial Project ID: 429936-2-52-01

Virtual Public Meeting
Tuesday, April 25, 2023

Virtual Public Meeting Orientation

Moderator & Presenter



Samantha Kayser
Community Outreach Specialist
The Corradino Group

Meeting Format

Presentation, Q&A Session

- 5 p.m. to 5:30 p.m.
- 5:30 p.m. to 6 p.m.

Unguided PowerPoint Slide Show

- If time allows

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Persons wishing to express concerns about Title VI may do so by contacting either:

District Four

Florida Department of Transportation
District Four Title VI Coordinator

Sharon Singh Hagyan

(954) 777-4190,

Sharon.SinghHagyan@dot.state.fl.us



Tallahassee Office

Florida Department of Transportation
Statewide Title VI Coordinator

Stefan Kulakowski

(850) 414-4742,

Stefan.Kulakowski@dot.state.fl.us



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

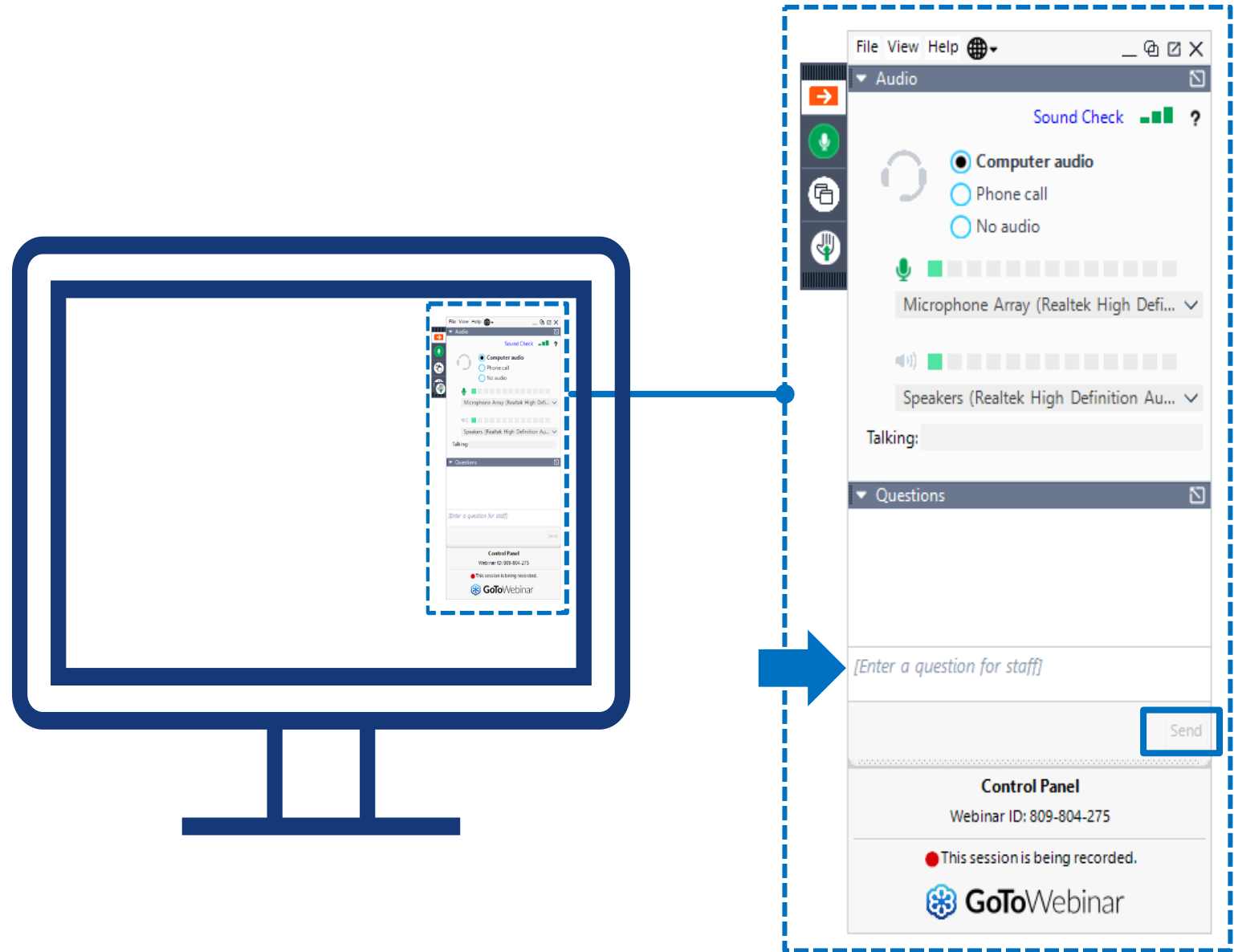
Virtual Public Meeting Orientation



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- All attendees **will remain muted** throughout the meeting.
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- At the end of the presentation attendees are also welcome to submit any questions/comments using the GoToWebinar Question Panel and a member of the team will respond during the question-and-answer portion. To request to speak, click the Raise Hand button on the Control Panel and unmute your microphone when your name is called.

Participating on GoTo Webinar

- If you would like to ask a question verbally, please click on the hand icon to be recognized.
- This meeting is being recorded and will be posted to www.d4fdot.com.



Meet the Team



Josh Baker
Construction Project Manager
FDOT District Four, Treasure
Coast Operations



Bill Stuckey, P.E.
Senior Project Engineer
Stantec



Aren Griffin, P.E.
Construction Project Administrator
Consort Engineers, LLC



Clint Seace, P.E.
Contractor
Vecellio & Grogan, Inc.



Jim Hughes, P.E.
Design Project Manager
FDOT District Four, Design

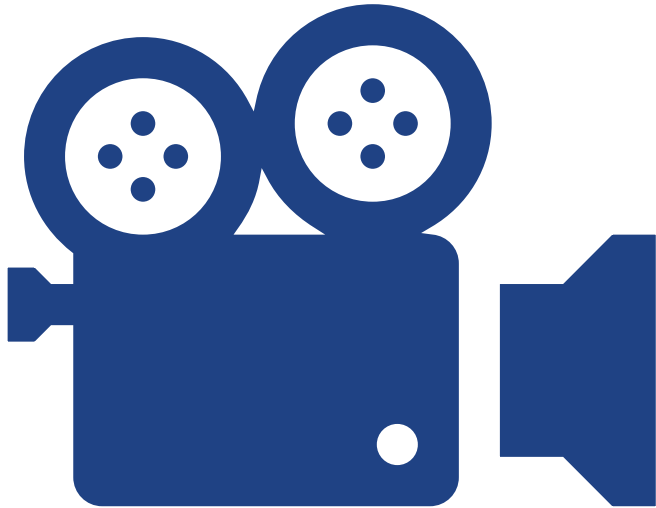


Henri Sinson, P.E.
Engineer of Record
Hardesty & Hanover



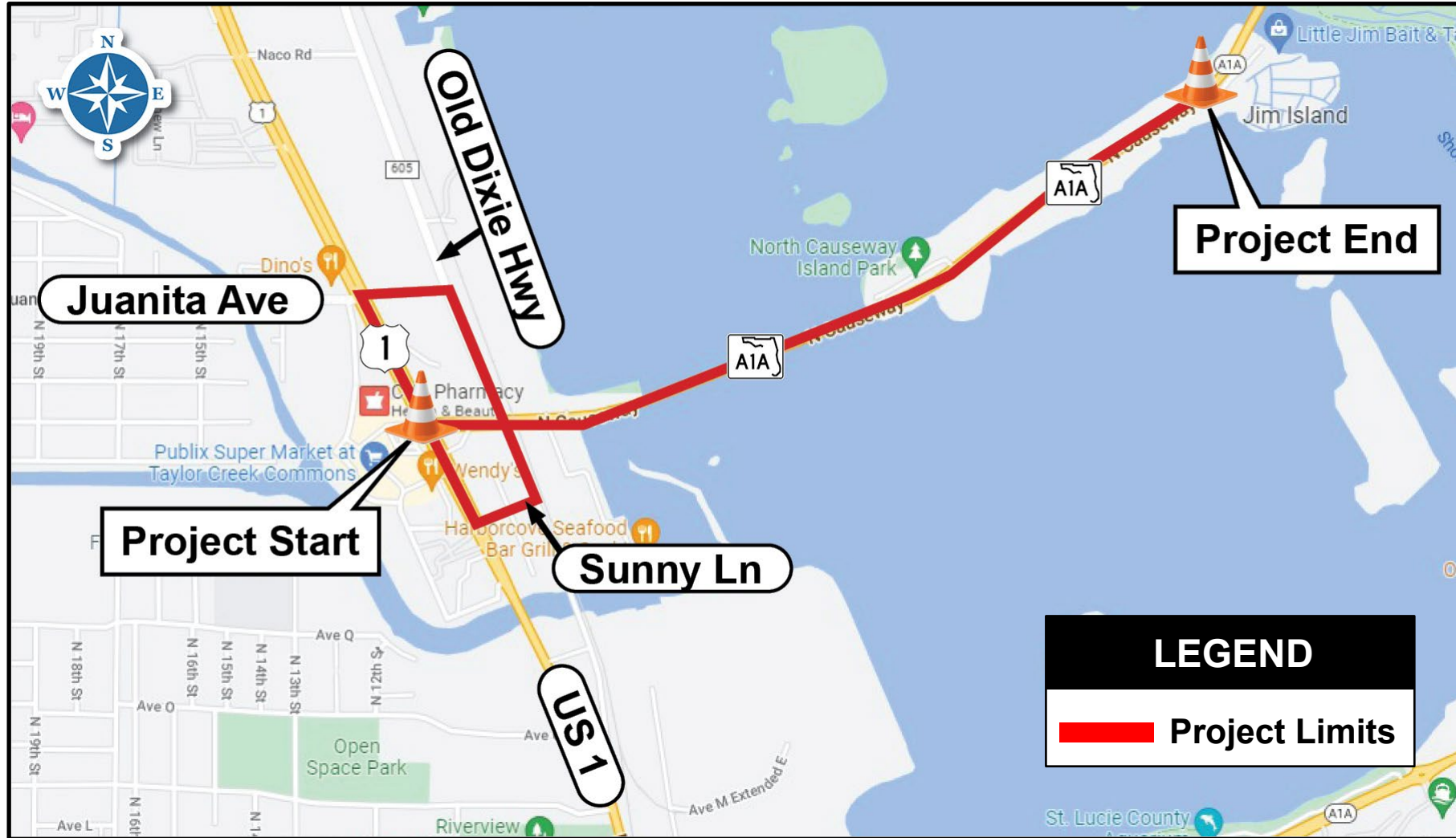
Mike Sileno, P.E.
Engineer of Record
Hardesty & Hanover

Project Presentation



- Please enjoy the project video which includes information on the improvements to be completed, along with road and lane closure information.
- We will start the Question & Answer session after the video.

Project Limits



Project Overview

Purpose: Build a new bridge over the ICWW; install sidewalks, a shared-use path, and bicycle lanes; build an observation deck, construct a new access road under the bridge to businesses east of the Florida East Coast (FEC) Railroad; extend Juanita Avenue; and connect SR 5/US 1 and Old Dixie Highway along Sunny Lane.

Length: 1.205 miles

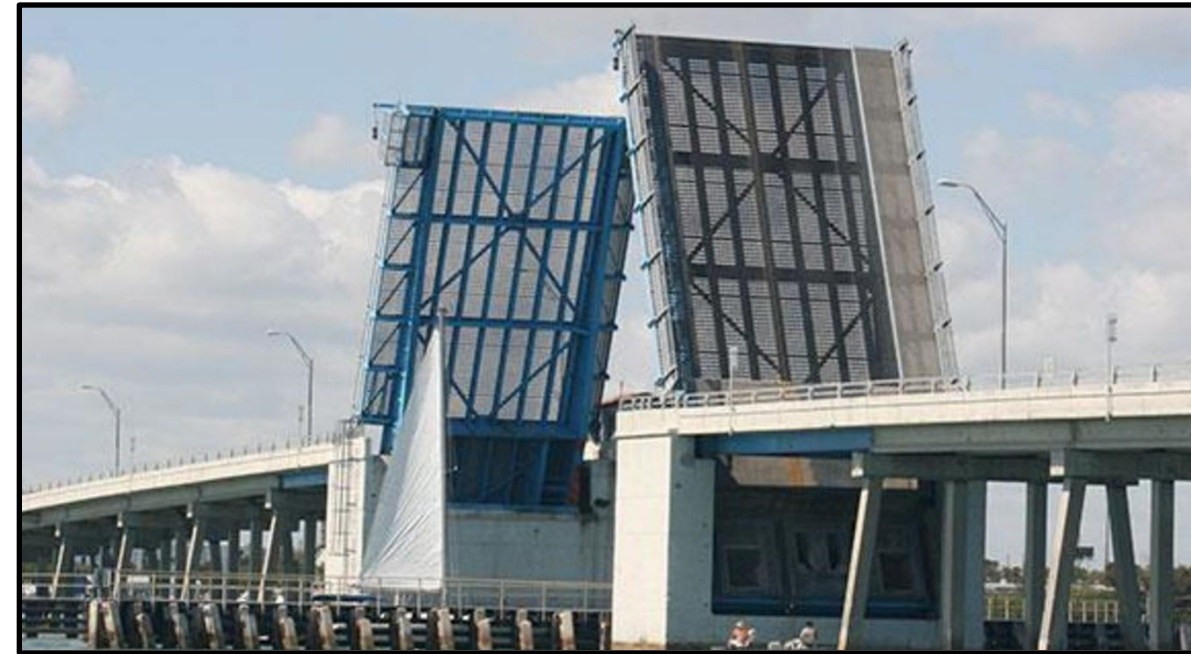
Contractor: Vecellio & Grogan, Inc.

Construction Start: May 1, 2023

Estimated Contract Cost: \$111.5 Million

Contract Time: 1,357 calendar days
(not including weather and holidays)

Estimated Completion: Late 2027



Existing bridge
(pre-construction)

Roadway Improvements

- Construct a new high-level fixed bridge connected directly to SR 5/US 1 going over the FEC Railroad, Old Dixie Highway, and the Intracoastal Waterway (ICWW) featuring:
 - One 12-foot travel lane in each direction
 - Navigational clearances of 85 feet vertical and 125 feet horizontal at the waterway channel
- Construct a new access road under the bridge to businesses east of the FEC Railroad
- Extend Juanita Avenue from SR 5/US 1 to Old Dixie Highway
- Connect SR 5/US 1 and Old Dixie Highway along Sunny Lane

Pedestrian & bicycle feature upgrades

- Install a barrier-protected 8-foot sidewalk on the south side of the bridge and a barrier-protected 12-foot shared-use path on the north side of the bridge
- Install 7-foot buffered bicycle lanes within the shoulders on both sides of SR A1A



Existing bridge looking west.
(pre-construction)

Scope of Work – Pedestrian & Bicycle Feature Upgrades

Pedestrian & bicycle feature upgrades

- Construct a 12-foot shared-use path along Old Dixie Highway to provide connectivity to the East Coast Greenway
- Build an observation deck beneath the west side of the new bridge structure
- Ensure crosswalks and curb ramps within the project limits meet Americans with Disabilities Act (ADA) standards

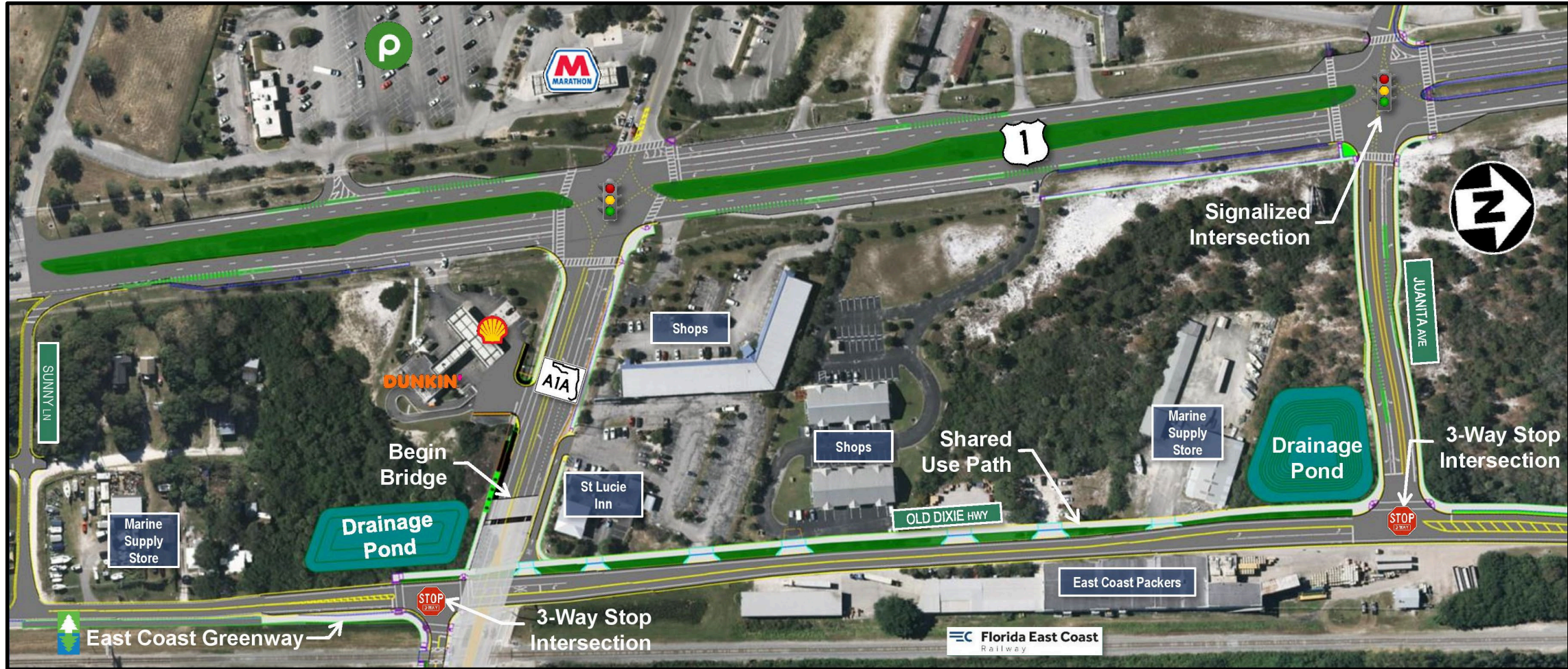


SR A1A looking east at the Old Dixie Highway intersection.
(pre-construction)

Project Site Plan



Zone 1 – Old Dixie Highway and SR 5/US 1 Rendering



Zone 2 – Marina Access and East Coast Greenway Rendering



Zones 2 & 3 – Marina Access, East Coast Greenway, and SR A1A Bridge Rendering



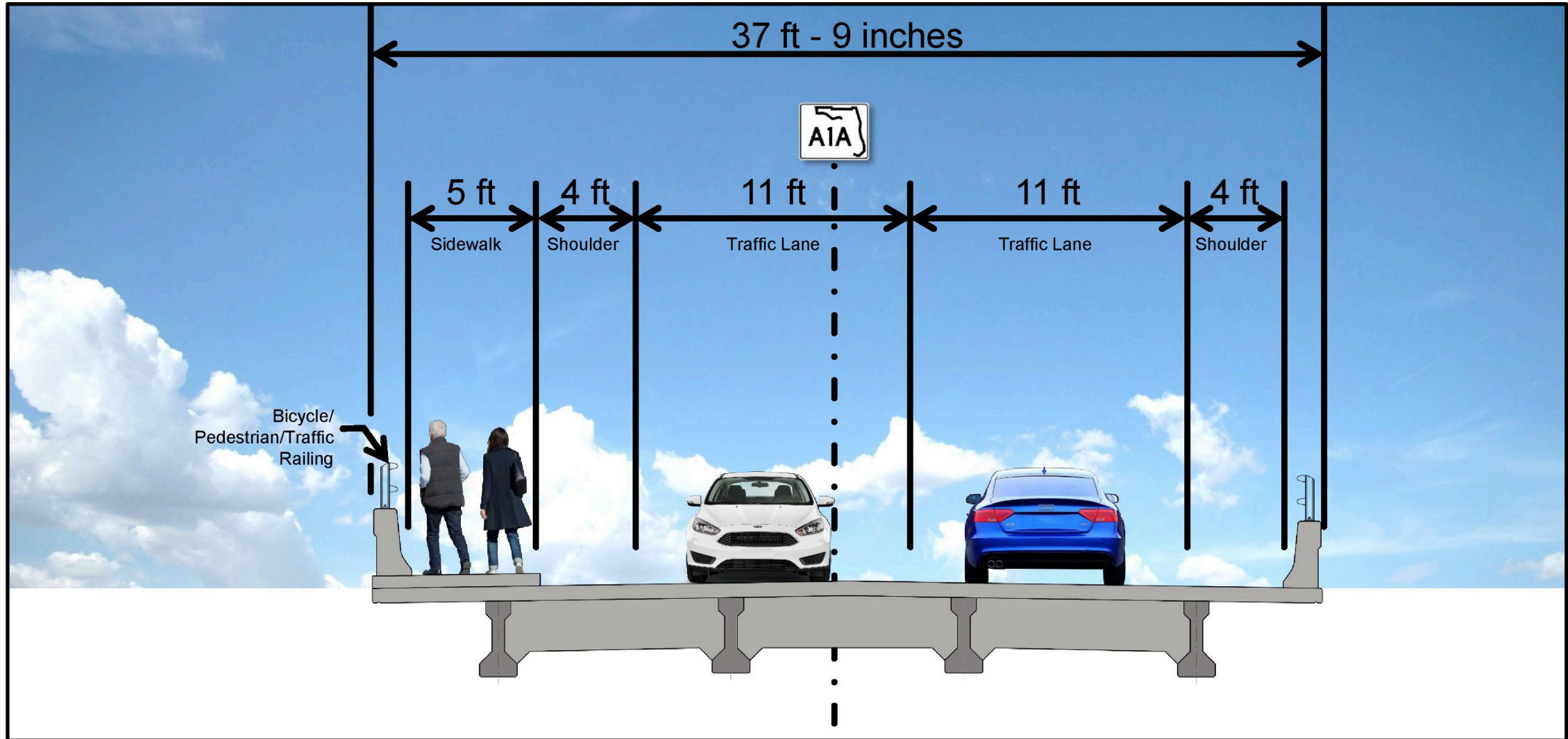
Zones 2 & 3 – Marina Access, East Coast Greenway, and SR A1A Bridge Rendering



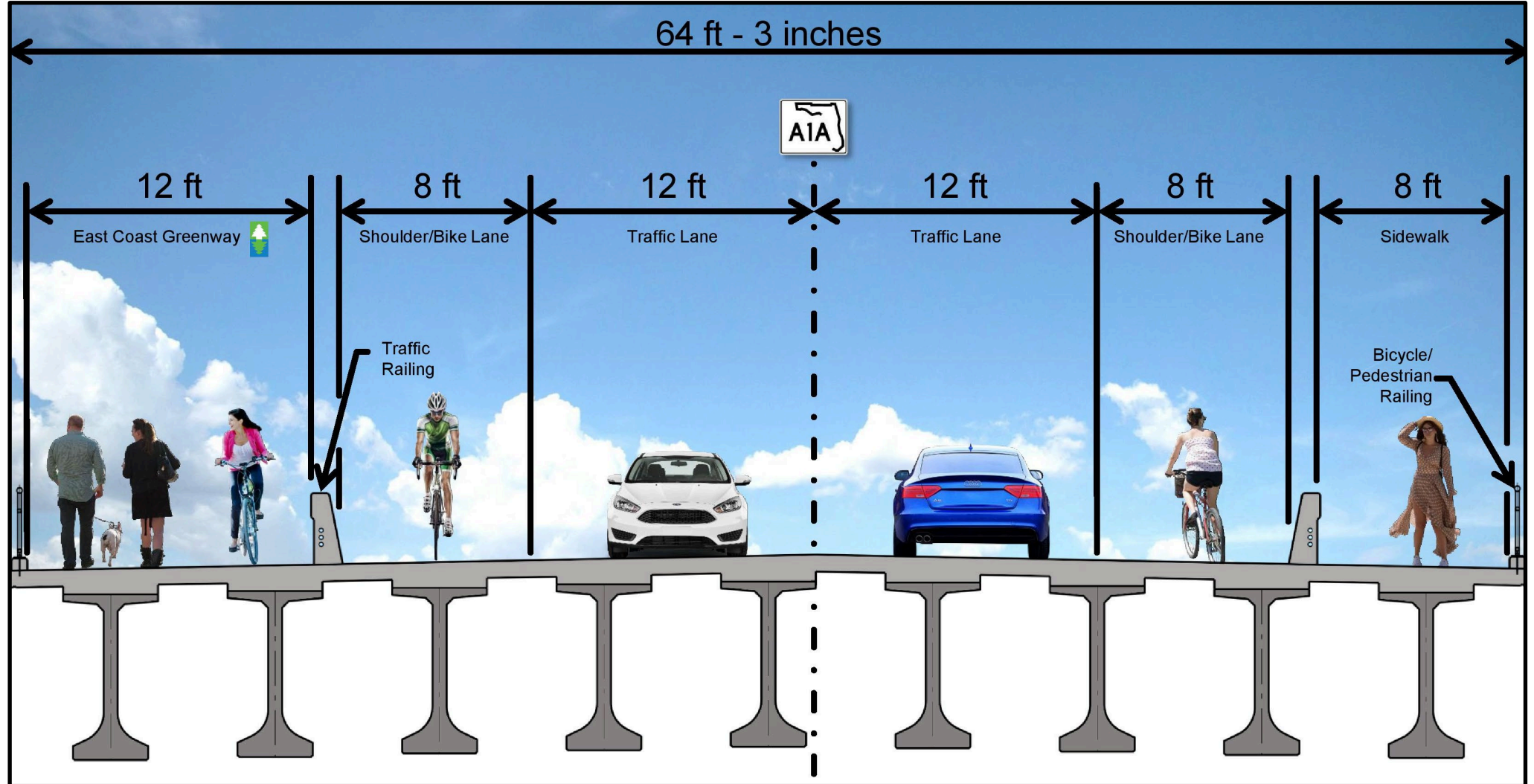
Zones 3 – SR A1A North Causeway Bridge Rendering



Existing SR A1A Bridge Typical Section

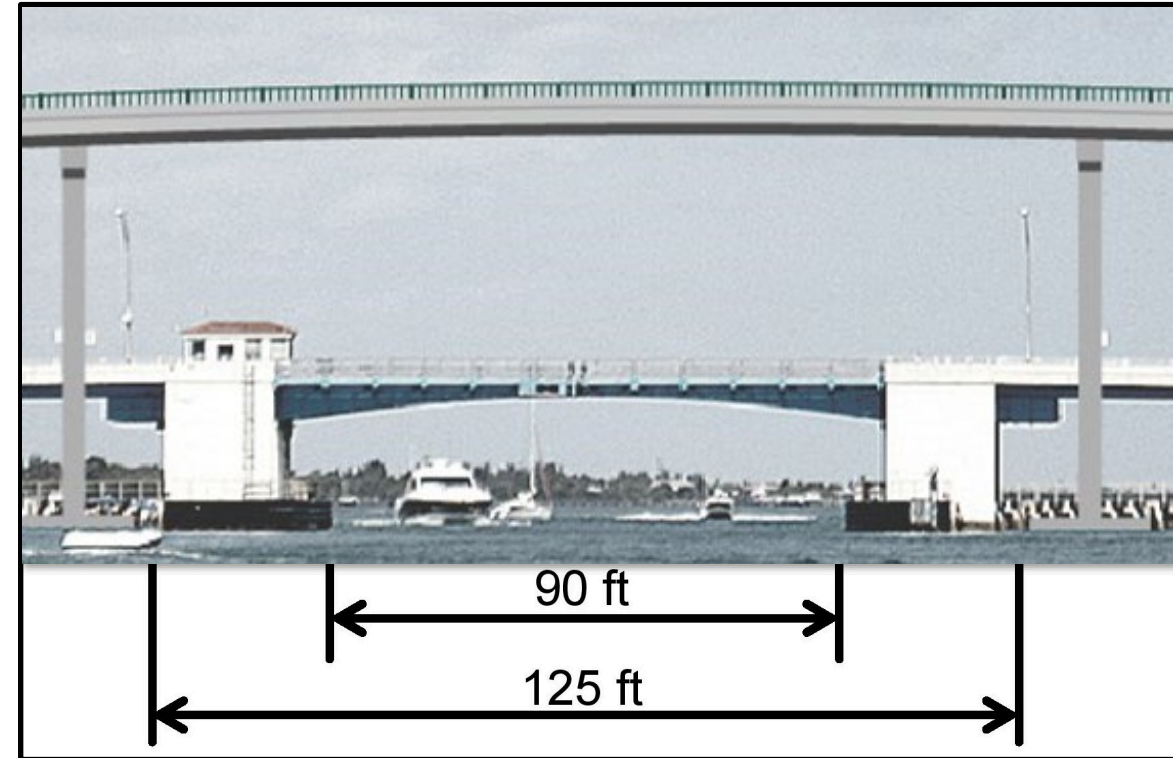


New SR A1A Bridge Typical Section



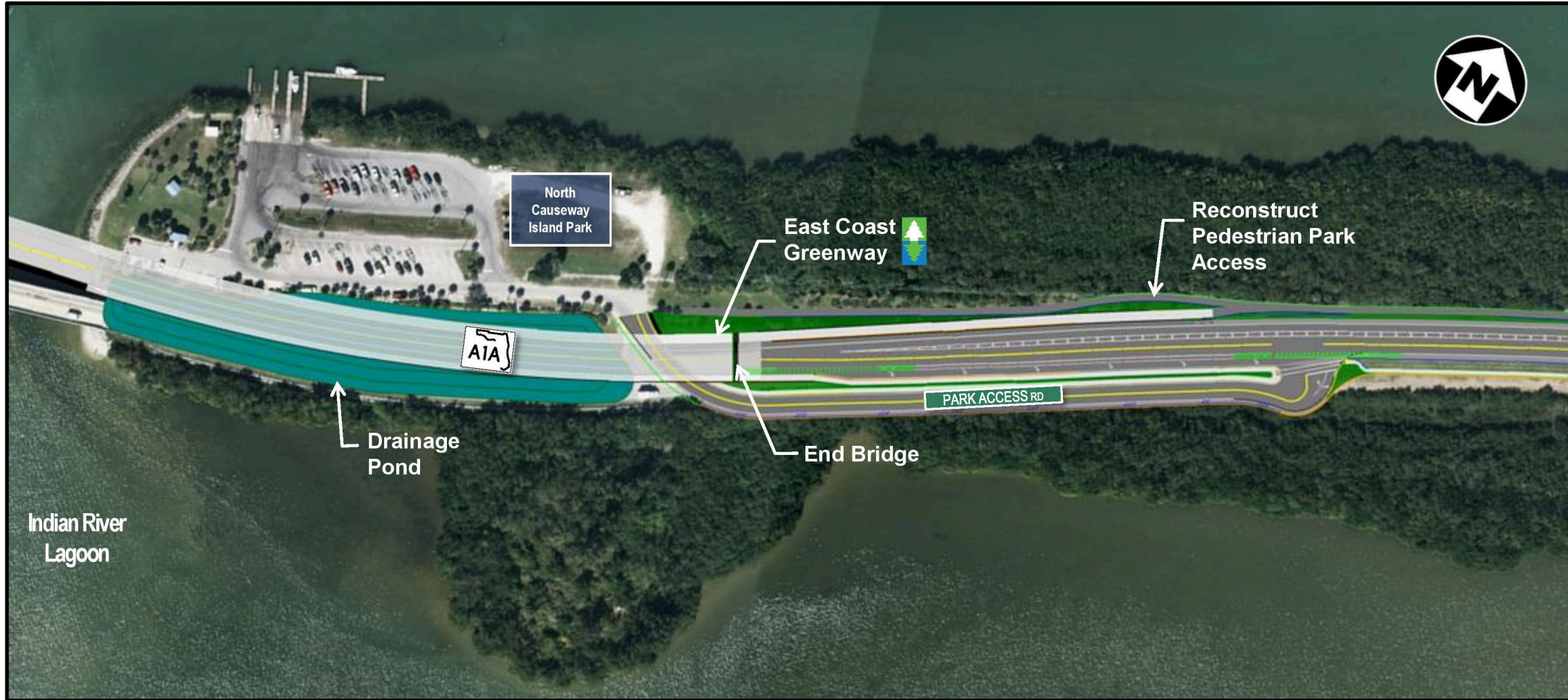
SR A1A Bridge Navigation Clearance

- New Channel Vertical Clearance: 85 feet
 - Existing 25 feet at center of the bridge closed, unlimited open
- New Channel Horizontal Clearance: 125 feet
 - Existing bridge is 90 feet



Comparison of the existing bridge versus the new bridge.

Zone 4 – Park Access Rendering



Maintenance of Traffic

- Work will be done in six major phases to minimize impacts to the construction corridor
- Work will take place Monday through Saturday:
 - Daytime work is permitted Monday through Friday, from 7:00 a.m. to 6:00 p.m. and Saturday, from 8:00 a.m. to 6:00 p.m. (no Sunday daytime work)
 - Nighttime lane closures are permitted Monday through Sunday from 9:00 p.m. to 6:00 a.m. and will occur as needed
- The existing bridge will be open during construction with the exception of the planned detour for beam installation; notification will be provided in advance

Maintenance of Traffic

- Access to properties will be maintained at all times
- The project team will coordinate with businesses if temporary driveway closures are needed
- Marine traffic will be maintained
- Emergency vehicle access will be maintained at all times



Existing bridge looking west
(pre-construction)

Maintenance of Traffic

- **Phase 1**
 - Existing traffic patterns will remain the same during this phase of construction
 - Two (2) lanes of traffic will be open on the existing bridge
- **Phase 2:**
 - Juanita Avenue extension anticipated to open to two (2) lanes of traffic
 - Sunny Lane extension anticipated to open to westbound traffic
 - Two (2) lanes of traffic open on the existing bridge
 - Sidewalk on the south side of SR A1A will be closed and pedestrian detours will be in place

Maintenance of Traffic

- **Phase 3:**

- Juanita Avenue open to two (2) lanes of traffic
- Sunny Lane open to westbound traffic
- SR A1A is closed from SR 5/US 1 to Old Dixie Highway
 - Westbound motorists will be detoured via SR A1A, Old Dixie Highway, Juanita Avenue or Sunny Lane to SR 5/US 1
 - Eastbound motorists will be detoured via SR 5/US 1, Juanita Avenue, and Old Dixie Highway to SR A1A



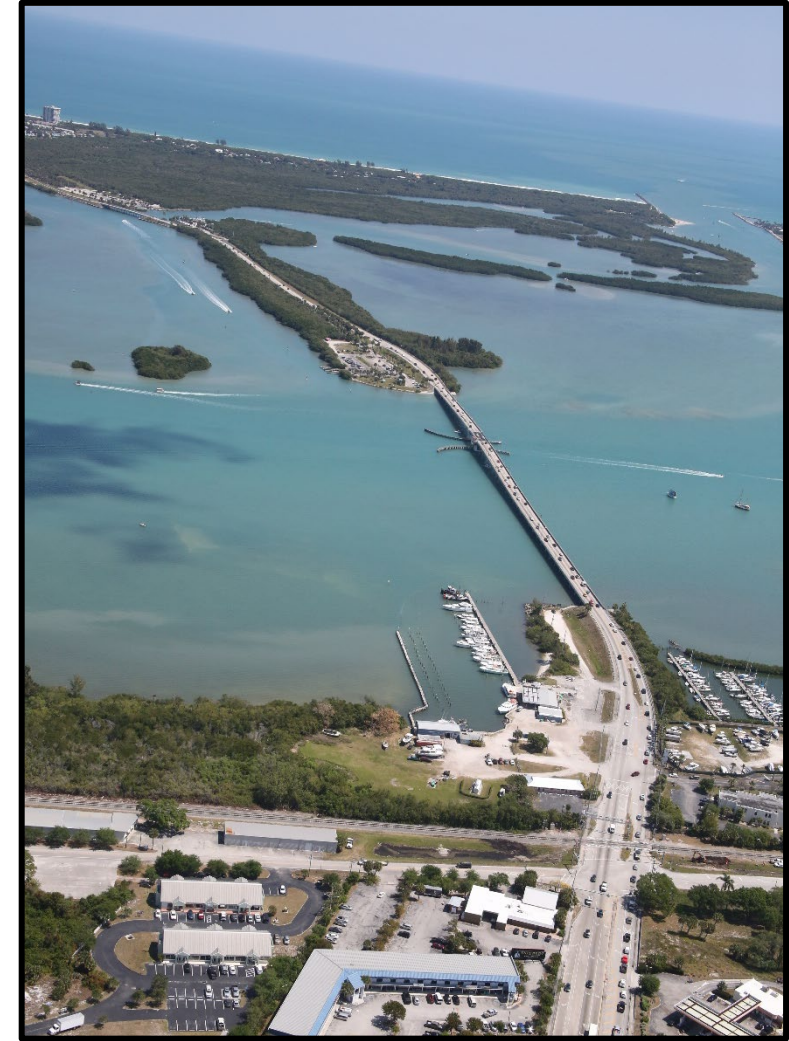
Maintenance of Traffic

Maintenance of Traffic

- **Phase 3:**
 - Two (2) lanes of traffic open on the existing bridge
 - Temporary pedestrian ramps will provide access from SR A1A to SR 5/US 1
 - Existing bridge to close for short durations while working over the FEC Railroad and the roadway on the west side of the project
 - Westbound traffic will be detoured via SR A1A, and SR 656/17th Street to SR 5/US 1
 - Eastbound traffic will be detoured via SR 5/US 1, and SR 656/17th Street to SR A1A

Maintenance of Traffic

- **Phase 4:**
 - Two (2) lanes of traffic on the new bridge will be open



Existing bridge looking east.
(pre-construction)

Phase 1

- Zones 1 & 2

- Extend Juanita Avenue
- Extend Sunny Lane
- Widen northbound SR 5/US 1 to facilitate the new connections at Sunny Lane and Juanita Avenue
- Install sidewalk along northbound SR 5/US 1
- Widen southbound Old Dixie Highway and install sidewalk



Zones 1 and 2 are highlighted in yellow.



Intersection of Juanita Avenue and SR 5/US 1 looking south. (pre-construction)

Phase 2

- Zones 1 & 2

- Extend Sunny Lane
- Widen southbound Old Dixie Highway
- Construct Marina Access Road



Zones 1 and 2 are highlighted in yellow.

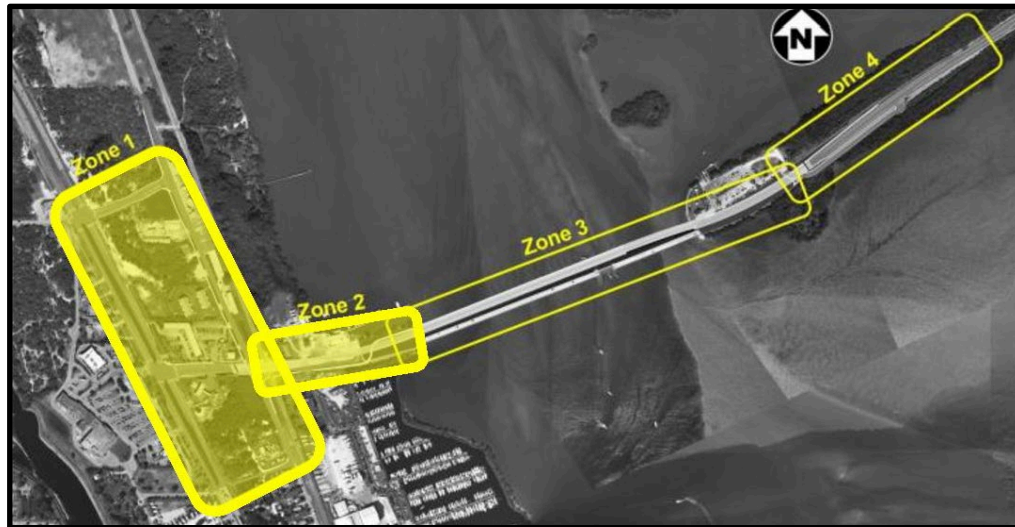


Sunny Lane looking north on SR 5/US 1.
(pre-construction)

Phase 3

- Zones 1 & 2

- Construct SR A1A bridge approach embankment and walls



Zones 1 and 2 are highlighted in yellow.



SR A1A looking west at the intersection Old Dixie Highway.
(pre-construction)

Construction Phases 1-4 – Zone 3

Phase 1-4

- Zone 3

- Construct portions of the new bridge next to the existing bridge
- Existing bridge is demolished in Phase 4 after completion of the new bridge



Above: Zone 3 is highlighted in yellow.

Left: Aerial view of the existing bridge looking southeast. (pre-construction)

Construction Phases 2 & 3 – Zone 4

Phase 2

- Zone 4

- Construct Park Access Road

Phase 3

- Zone 4

- Construct SR A1A bridge approach embankment and walls

Right: Aerial view of the existing roadway and bridge looking west.
(pre-construction)



Above: Zone 4 is highlighted in yellow.



Construction Phases 5 & 6 – Zone 1 & 2

Phase 5 & 6

- Zones 1 & 2

- Mill and resurface segments of Old Dixie Highway and SR 5/US 1



SR A1A and SR 5/US 1 intersection looking west.
(pre-construction)



Zones 1 and 2 are highlighted in yellow.

Project Update



The project team has been working closely with utility agencies on relocations that must be completed as part of this construction project. Locations include the Sunny Lane future extension, Juanita Avenue future extension, Old Dixie Highway, SR A1A along the west side of the Intracoastal Waterway, and along SR 5/US 1.

Safety and Local Coordination

- **Public Safety is our Top Priority!**
 - **Work Zone Signage & Maintenance of Traffic**
 - Advanced warning and project signage will be placed throughout the construction corridor to alert the traveling public
 - **Local Agency & Stakeholder Coordination**
 - The project team will continue working closely with local stakeholders including local municipalities, schools, neighborhoods and other local agencies to ensure safety standards are met and impacts to the public are minimized in any way possible
 - **Emergency vehicles will be provided access at all times**



Lighted Message Board

Community Outreach

- To receive project specific updates please email skayser@corradino.com to be added to the distribution list
- A weekly press release will be distributed every Friday
- Additional project specific information can be found on the website

****All project updates will be posted to the District Four website.****

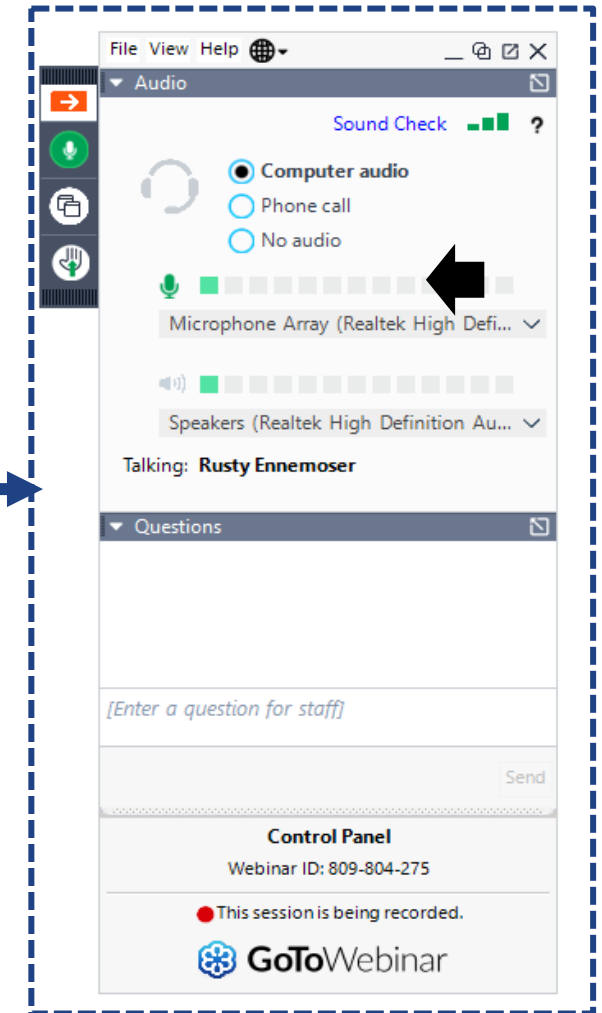


Scan this QR code to go to the District Four Website.

www.d4fdot.com

Questions and Answers

- Attendees are welcome to submit questions/comments using the GoToWebinar Question Panel



Contact Us

Throughout the project, questions or comments can be submitted via email or phone.

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Community Outreach Specialist



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 uploaded to GoToWebinar for
 download.*

FDOT Safety Message





**Thank you for attending today's
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