

An aerial photograph of a marina with a bridge in the foreground. The bridge is a concrete structure with multiple lanes, supported by wooden pilings. In the background, there is a large body of water with several boats docked at a pier. The water is a deep blue-green color. The sky is clear and blue. In the top left corner, there is a white shield logo with the number 1 inside, representing the SR 5/US-1 highway.

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# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## **SR 5/US-1 Federal Highway Bridge**

From CR-A1A to Beach Road | Palm Beach County, Florida  
Financial Project ID 428400-2-22-01 | ETDM# 14199

**Loxahatchee River Management  
Coordinating Council Meeting  
March 27, 2017**

# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

### Location Map



# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

### Existing Bridge

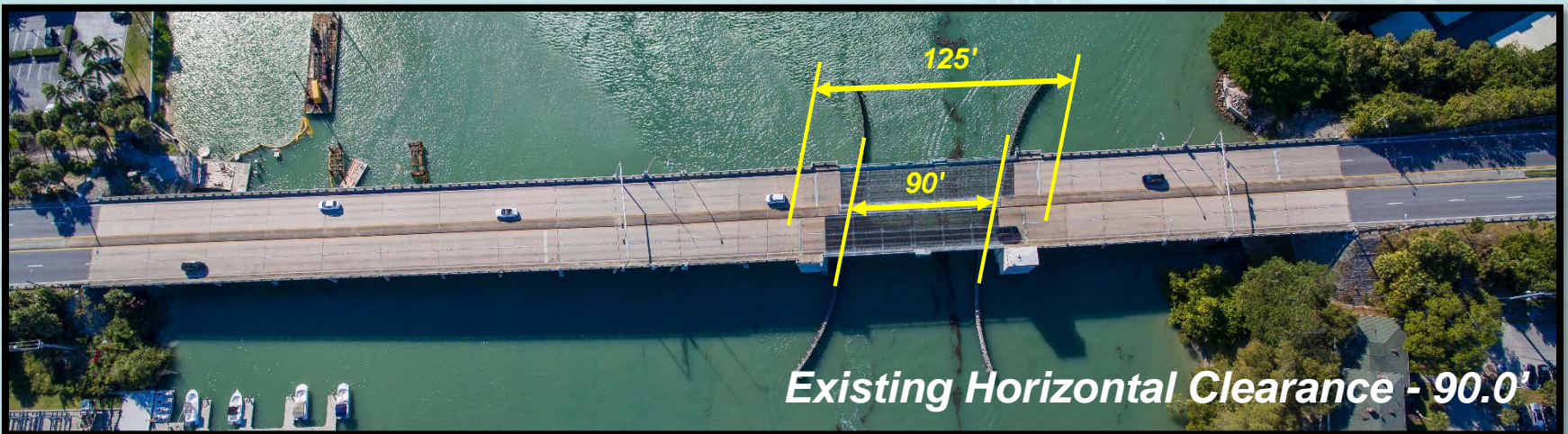
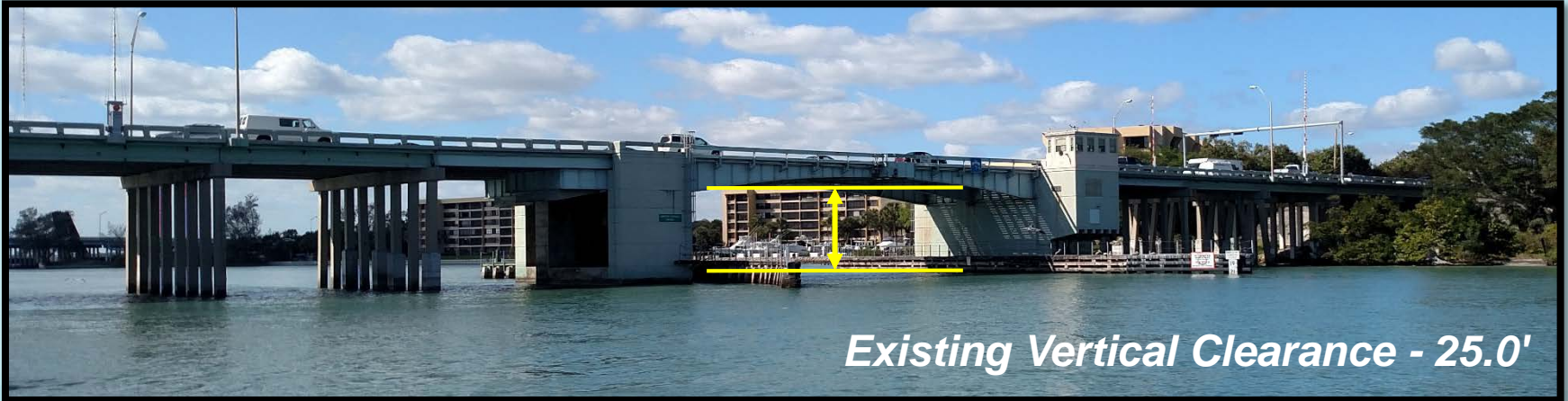
- Structurally deficient
  - Substructure rated “Poor”
  - Superstructure rated “Poor”
- Functionally obsolete
  - No sidewalks
  - No bicycle lanes



# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

### Existing Clearance



***Proposed Horizontal Clearance - 125.0'***

# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

# Public Involvement Meetings

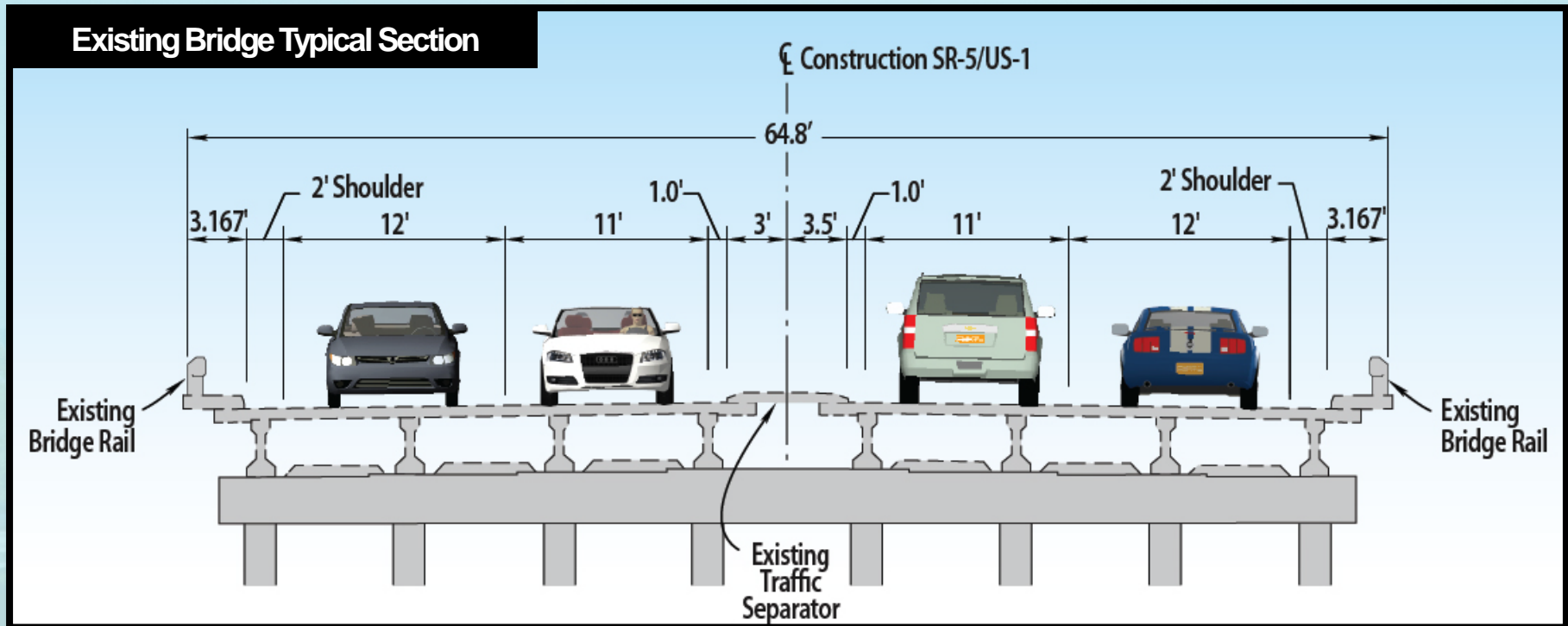
- Elected Officials/ Agency Kickoff Meeting February 17, 2016
- Public Kick-off Meeting February 17, 2016
- Alternatives Public Workshop – September 20, 2016
- Public Hearing – Late Spring 2017
- Stakeholder Meetings (MPO Board and Committees, Cultural Resource Committee, Bridge Aesthetics Committee, HOA Meetings, etc.)



# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

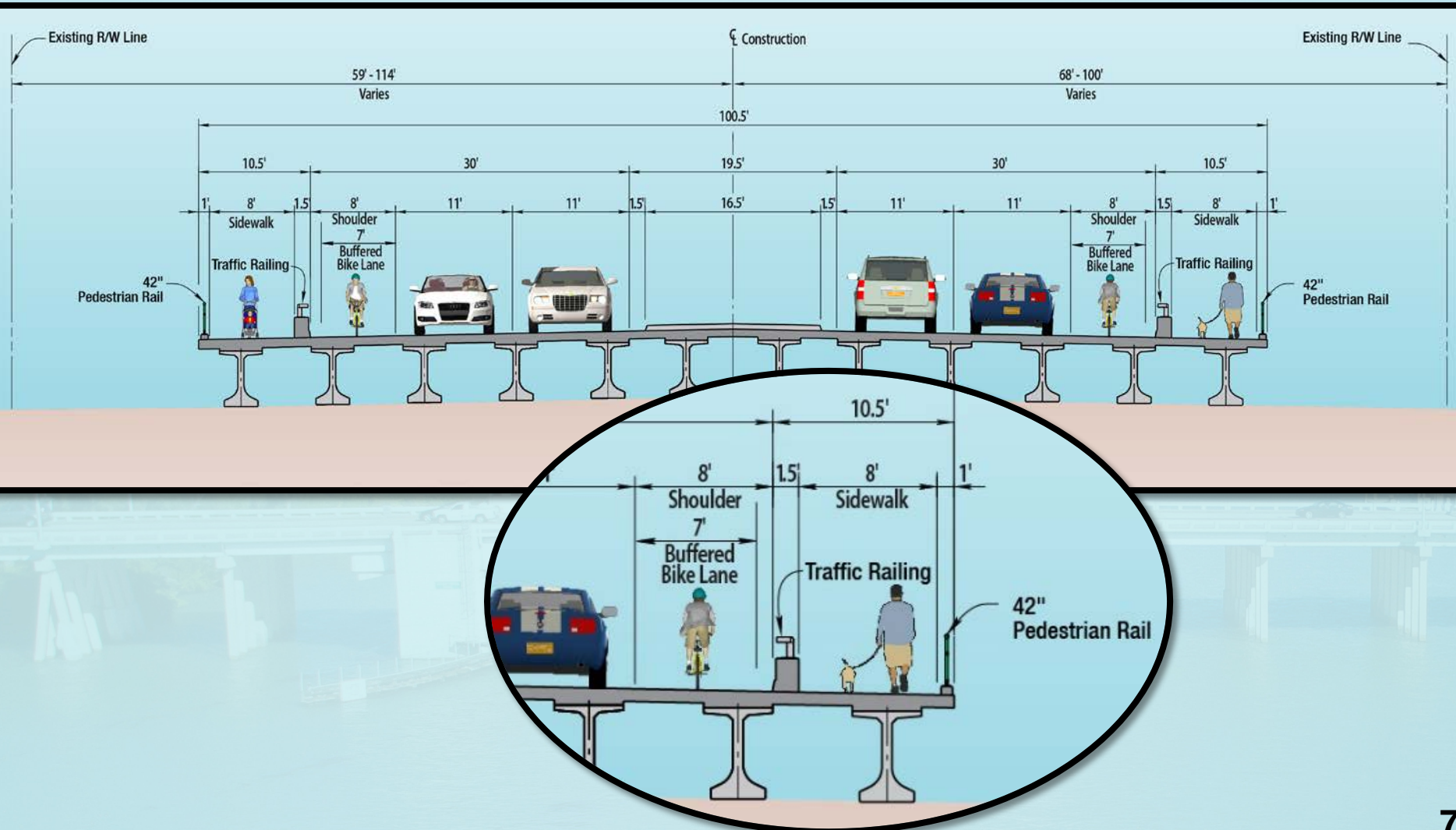
### Existing Typical Section



# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

### Proposed Approach Span Typical Section



# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

### Reduction in Bridge Openings Compared to Existing

<i>Vertical Clearance</i>	<i>Reduction</i>
25' (Same as Existing)	0%
30'	25%
<b>35'</b>	<b>44%</b>
40'	49%

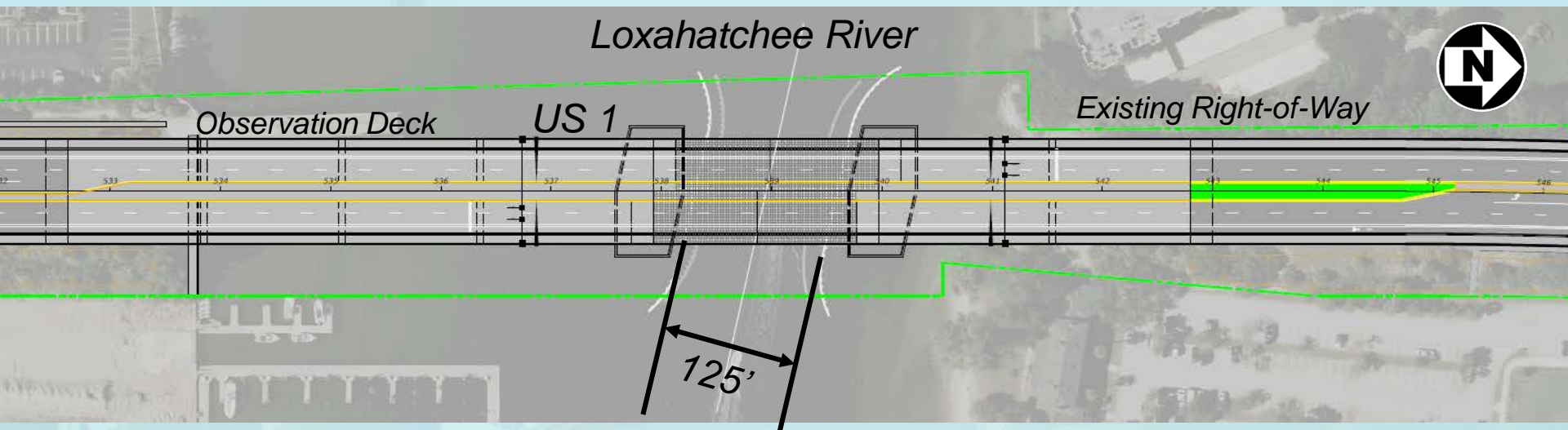


*Vertical Clearance*

# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

### Horizontal Alignment Alternative



# Environmental

- Social and Cultural Environment
- Natural Environment
- Physical Environment
- Summarize results in Environmental Reports

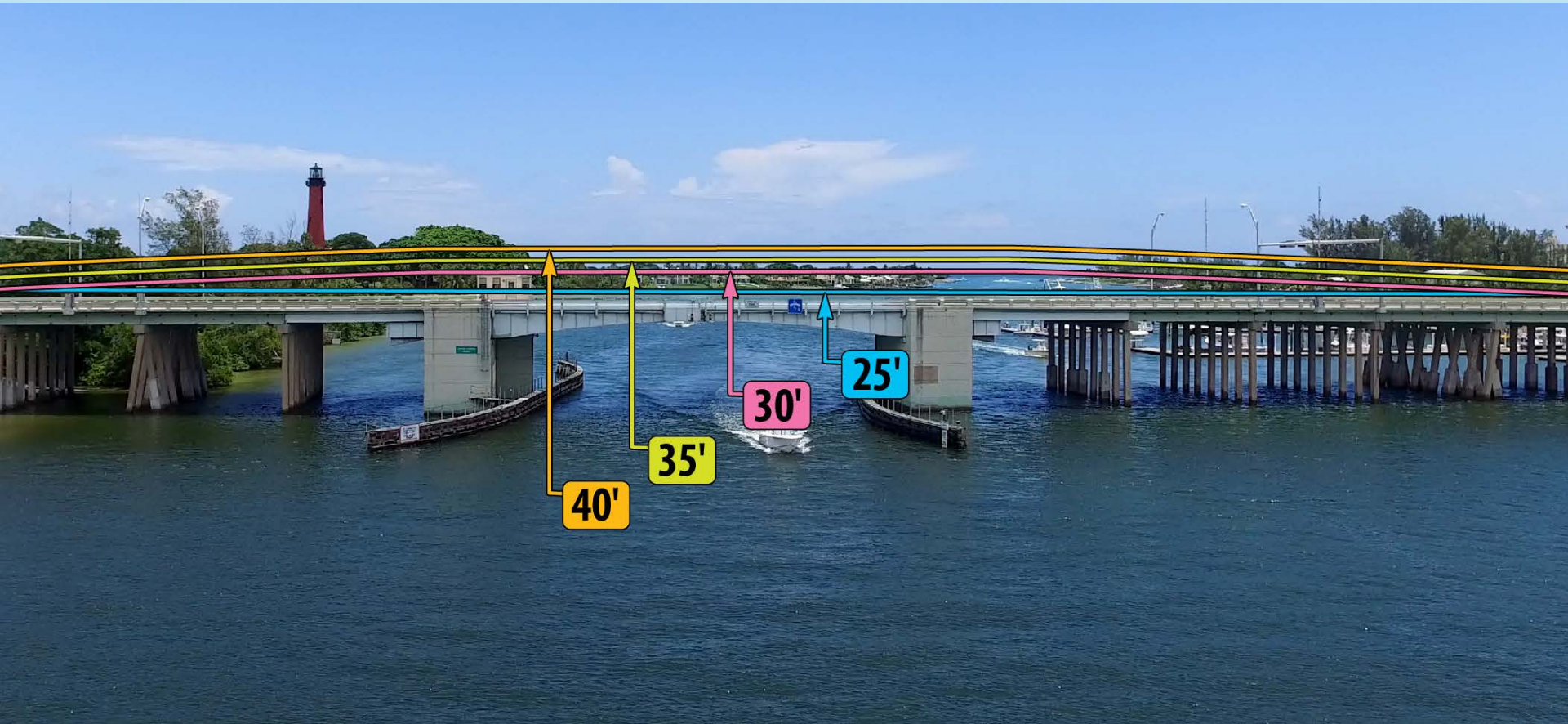


# Environmental Reports

- Wetland Evaluation
- Endangered Species Biological Assessment
- Essential Fish Habitat Assessment
- Cultural Resources Assessment Survey – update
- Section 106 Determination of Effects
- Section 4(f) Determination of Applicability
- Contamination Screening Evaluation
- Air Quality Memorandum
- Noise Study Report

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SR 5/US-1 Federal Highway Bridge

# Vertical Alignment



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# Vertical Alignment



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SR 5/US-1 Federal Highway Bridge

# Tenderhouse – Option B



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SR 5/US-1 Federal Highway Bridge








# Tenderhouse – Option C2



# PROJECT DEVELOPMENT & ENVIRONMENT STUDY

## SR 5/US-1 Federal Highway Bridge

### Project Schedule

ACTIVITY	2015				2016				2017			
Begin Study												
Public Kick-off Meeting												
Public Input												
Develop Build Alternatives												
Alternatives Public Workshop												
Public Hearing No-Build and Build Alternatives Presented												
Study Complete/Location Design Concept Acceptance												

# Contact

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