



Harkers Island Bridge Replacements Project

STIP No. B-4863

Public Meeting

March 14, 2016





Meeting Purpose

- Introduce the Project Team
- Provide an Overview of the Project
- Provide an Opportunity for Comments and Ideas on the Proposed Project

Harkers Island Bridge Replacements Project

Sign-In Station



HARKERS ISLAND BRIDGE REPLACEMENTS PROJECT

STIP No. B-4863

PUBLIC MEETING March 14, 2016

PURPOSE OF THE PUBLIC MEETING
 The purpose of this Public Meeting is to provide the public with an opportunity to view and comment on the current preliminary design for the proposed project. Representatives from the North Carolina Department of Transportation (NCDOT) are available to explain the proposed project, discuss any concerns you have, and answer your questions.

PUBLIC MEETING FORMAT

- Please sign in at the registration table.
- The Public Meeting this evening is an "open-house" style format between the hours of 4 pm and 7 pm. Project representatives are available to discuss the project with you and answer your questions.
- There is a presentation available to watch prior to viewing the displays.
- Several displays showing project related information are stationed around the room.
- Comment forms are available and can be filled out tonight or returned by mail or email by March 28 to the address shown on the form.

PROJECT DESCRIPTION
 The NCDOT proposes to build either one or two fixed span bridges to replace the two bridges over The Straits that provide access to Harkers Island. Currently, one bridge is fixed-span and one is a swing-span (also known as Earl C. Davis Memorial Bridge).

Vicinity Map

Connecting people, products, and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.

Meeting Room Layout



Project Description

- Bridge No. 73 on SR 1332/1335 (Harkers Island Rd/Island Rd) over The Straits
- and Bridge No. 96 on SR 1332/1335 (Harkers Island Rd/Island Rd) over The Straits



Bridge No. 73 (Earl C. Davis Memorial Bridge)

Bridge No. 96

Harkers Island Bridge Replacements Project



Bridge No. 96

- Sufficiency rating of 29 out of 100

Project History

Bridge



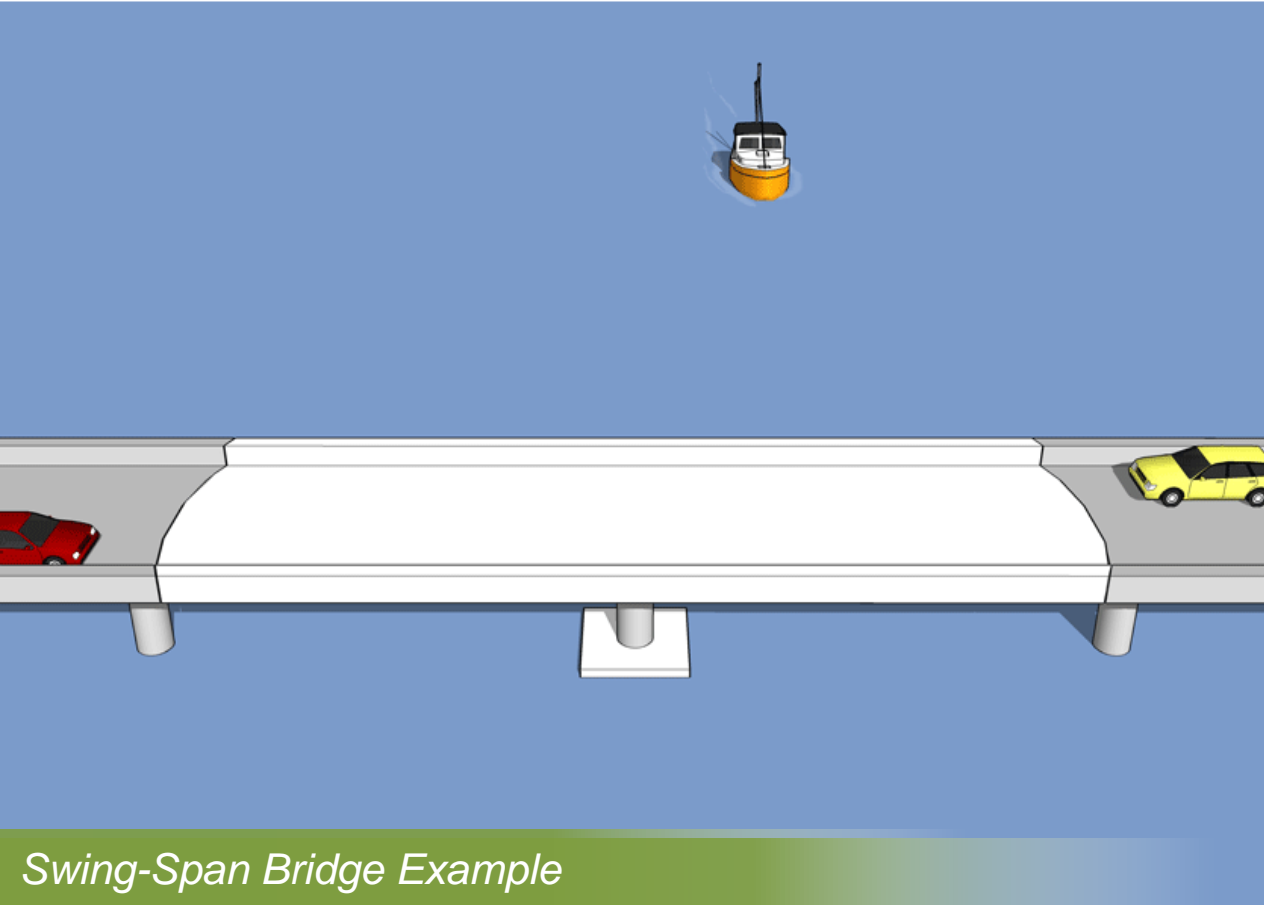
Bridge No. 73 (Earl C. Davis Memorial Bridge)

Project Purpose

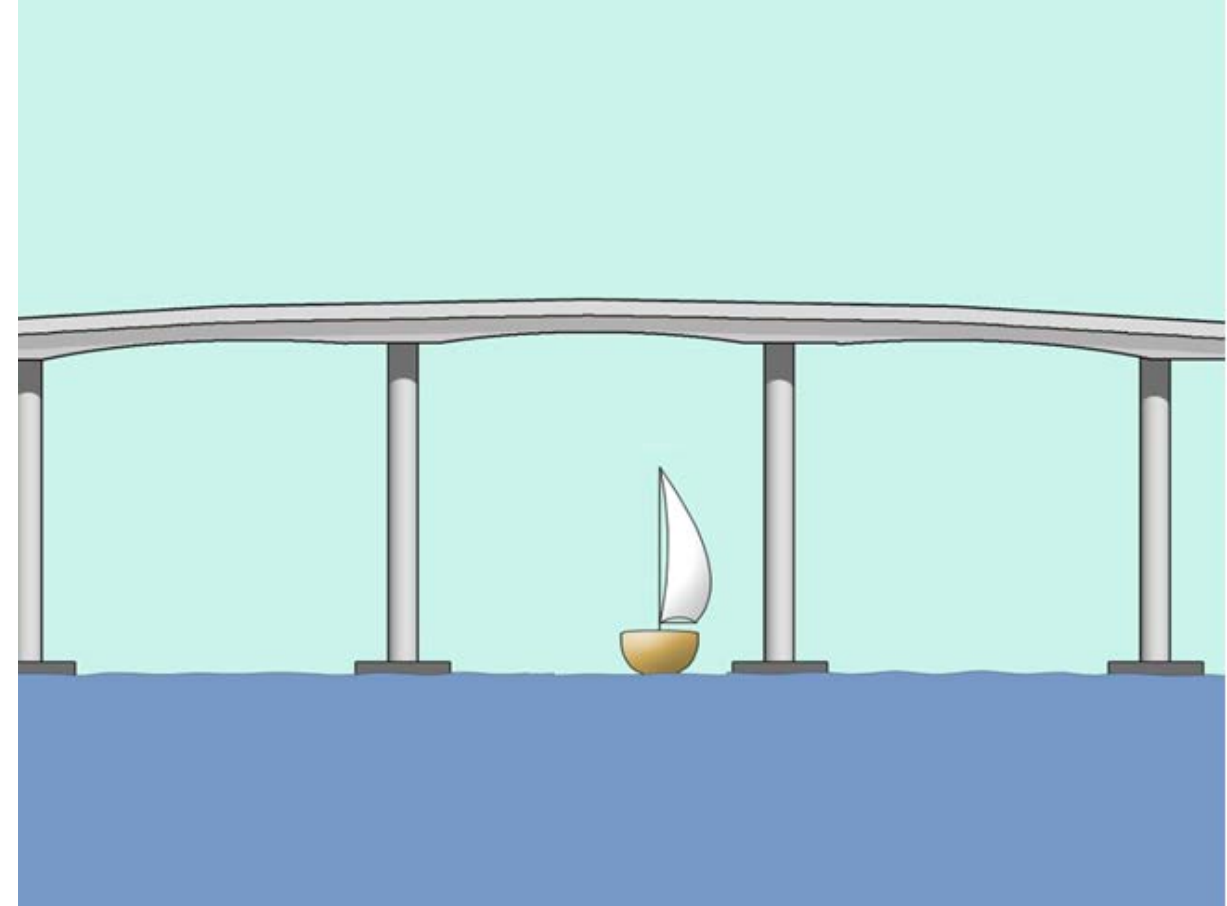
- Improve the safety of each bridge by increasing the structural capacity of the bridges.
- Maintain vehicular access between the island and mainland.
- Accommodate access needs for residents and visitors, as well as emergency service vehicles and hurricane evacuation routes.



Moveable Bridges



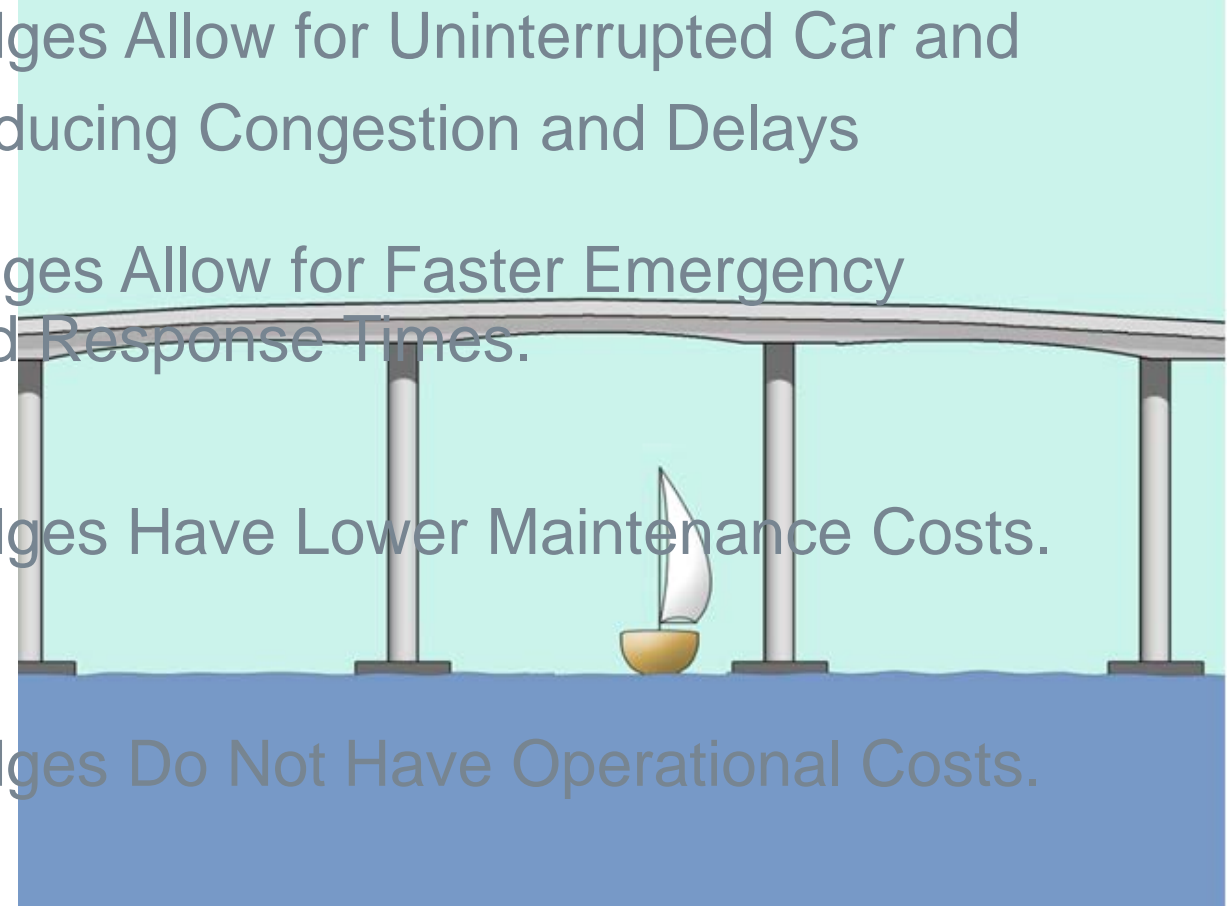
Fixed Span Bridges



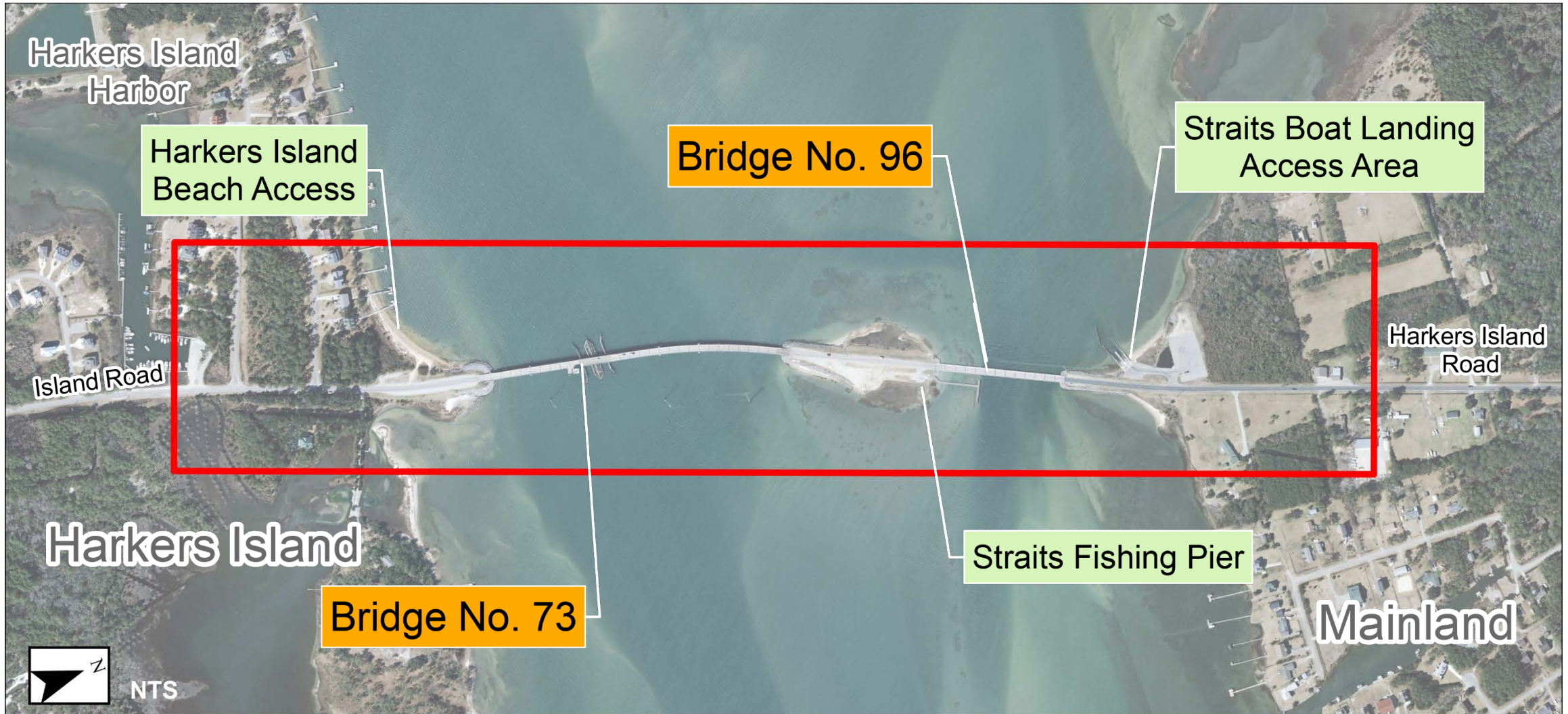
Fixed Span Bridges



- Fixed Span Bridges Allow for Uninterrupted Car and Boat Travel, Reducing Congestion and Delays
- Fixed Span Bridges Allow for Faster Emergency Evacuations and Response Times.
- Fixed Span Bridges Have Lower Maintenance Costs.
- Fixed Span Bridges Do Not Have Operational Costs.
- Fixed Span Bridges Do Not Require a Bridge Tender to Operate the Bridge.



Study Area Resources

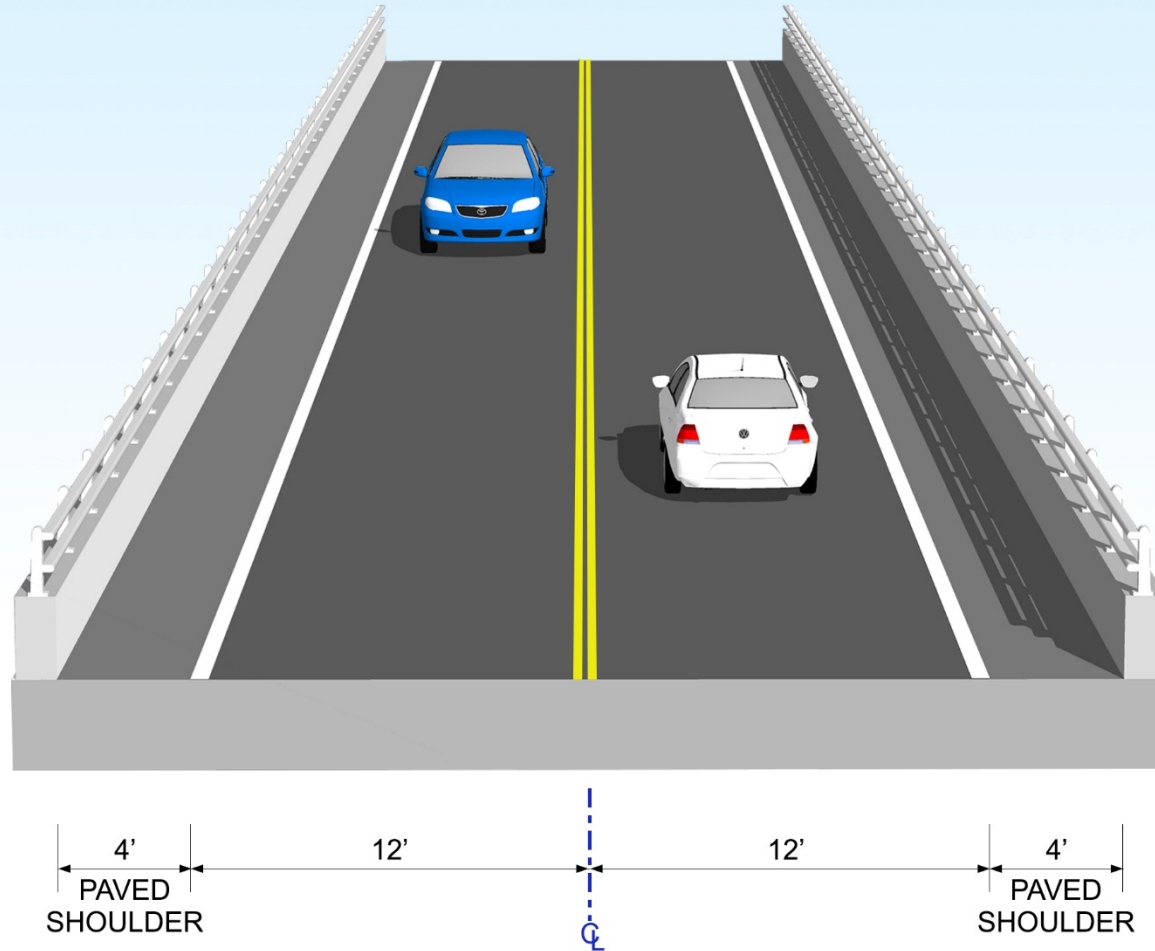




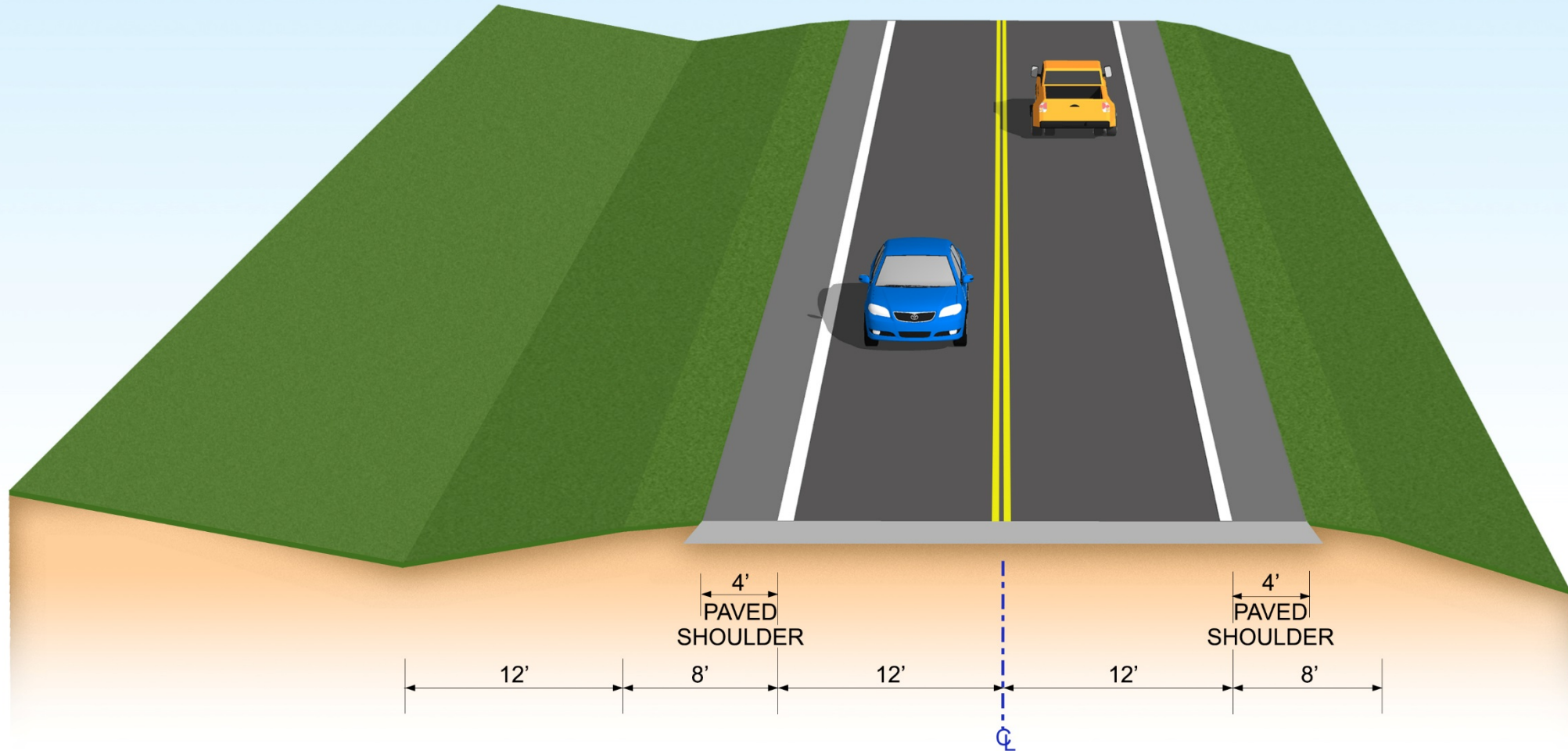
Study Options

- No Build Alternative
- Non-Traditional Alternatives
 - Improvement of Existing Facility and Rehabilitation of Existing Bridges
 - Alternate Modes of Travel
 - Traffic Management
- Build Alternatives

Bridge Typical Section



Roadway Typical Section

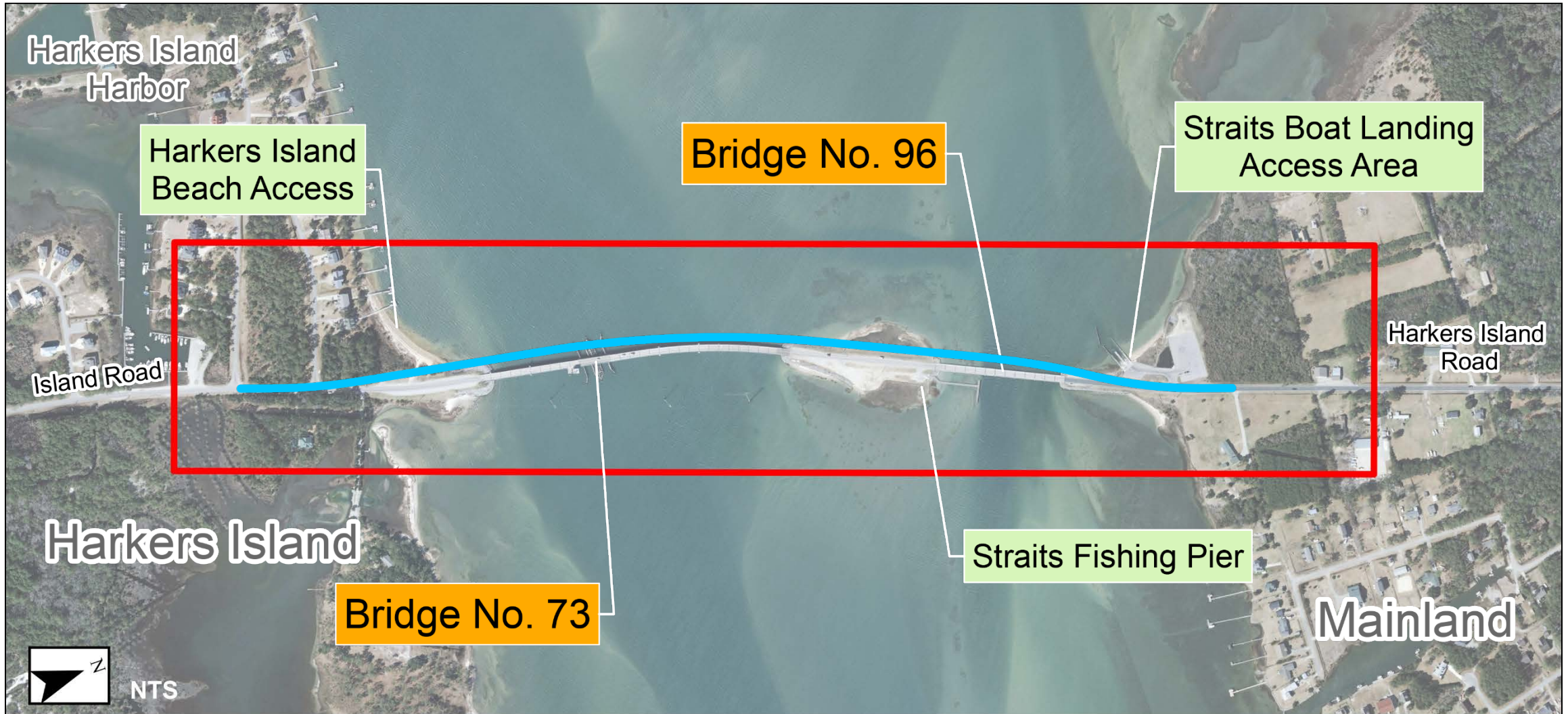


Vertical Clearance

- Vessel Height Survey was conducted for 30 days between May and October 2014
- 1,765 vessels observed
- Average of 3.4 vessels per day
- Average of 2.9 openings per day
- 99.9% of vessels were 40 feet in height or less
- NCDOT recommends 45 feet of vertical navigational clearance for this project



Alternative 1 – Two Fixed-Span Bridges



Alternative 2 – Two Fixed-Span Bridges



Alternative 3 – Two Fixed-Span Bridges



Alternative 4 – One Fixed-Span Bridge



Impacts to Community Resources

Alternative No.	Harkers Island Beach Access	Straits Fishing Pier	Straits Boat Landing Access Area
Alt 1	Change in Access	No Access	No Change
Alt 2	Change in Access	No Access	No Change
Alt 3	No Change	Change in Access	Change in Access
Alt 4	No Change	No Access	Change in Access

Project Schedule

- Selection of Preferred Alternative – Fall 2016
- Environmental Document Completion – Spring 2017
- Right-of-Way Acquisition Begins – 2017
- Construction Begins – 2019



Project Cost

- Right-of-Way – \$2.2 Million
- Construction – \$23.8 Million



Contact Us

- Review Project Mapping
- Visit with NCDOT Representatives to Express Your Ideas and/or Concerns
- Fill Out Comment Forms
 - Drop them tonight in Comment Box, or
 - Mail or Email to the Project Managers by March 28th (please see the handout for contact information)
- Visit the Project Webpage at:
<http://www.ncdot.gov/projects/publicmeetings/>



Thank you



The next presentation will begin in

30 seconds

