

Welcome

**Florida Department of Transportation (FDOT)
State Road (S.R.) 401 Bridge Replacement
Project Development & Environment (PD&E) Study**

Public Information Meeting

February 23, 2022 beginning at 5:30 p.m.

Financial Project ID Number: 444787-1

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. & 327 and Memorandum of Understanding dated 12/14/2016 and executed by FHWA and FDOT.

About this Project



Why is the project needed?

- Improve traffic access, future mobility, congestion and safety
- Improve system linkage and modal interrelationships

Purpose of the study

Evaluate improvements to, or replacement of, existing S.R. 401 draw bridges over the Canaveral Barge Canal

Title VI of the Civil Rights Act of 1964

Title VI Compliance

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons wishing to express concerns relative to FDOT compliance with Title VI may do so by contacting:

Jennifer Smith
District Five Title VI Coordinator
 719 South Woodland Boulevard
 DeLand, Florida 32720
 386-943-5367
 Jennifer.Smith2@dot.state.fl.us

Jacqueline Paramore
State Title VI Coordinator
 605 Suwannee Street, Mail Station 65
 Tallahassee, Florida 32399-0450
 850-414-4753
 Jacqueline.Paramore@dot.state.fl.us

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

Transportation Development Process

A PD&E study is a blending of engineering, environmental assessments, and public involvement activities. The process is used by engineers and planners to determine the location and conceptual design of the preferred roadway improvements.

We are here



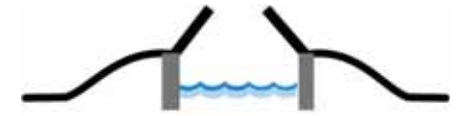
PD&E Study Schedule

We are here

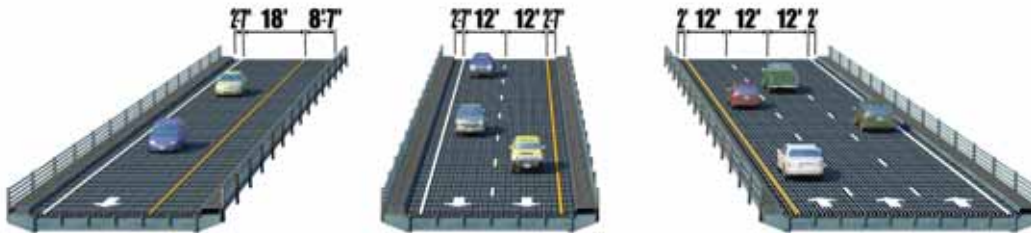


No Build Alternative

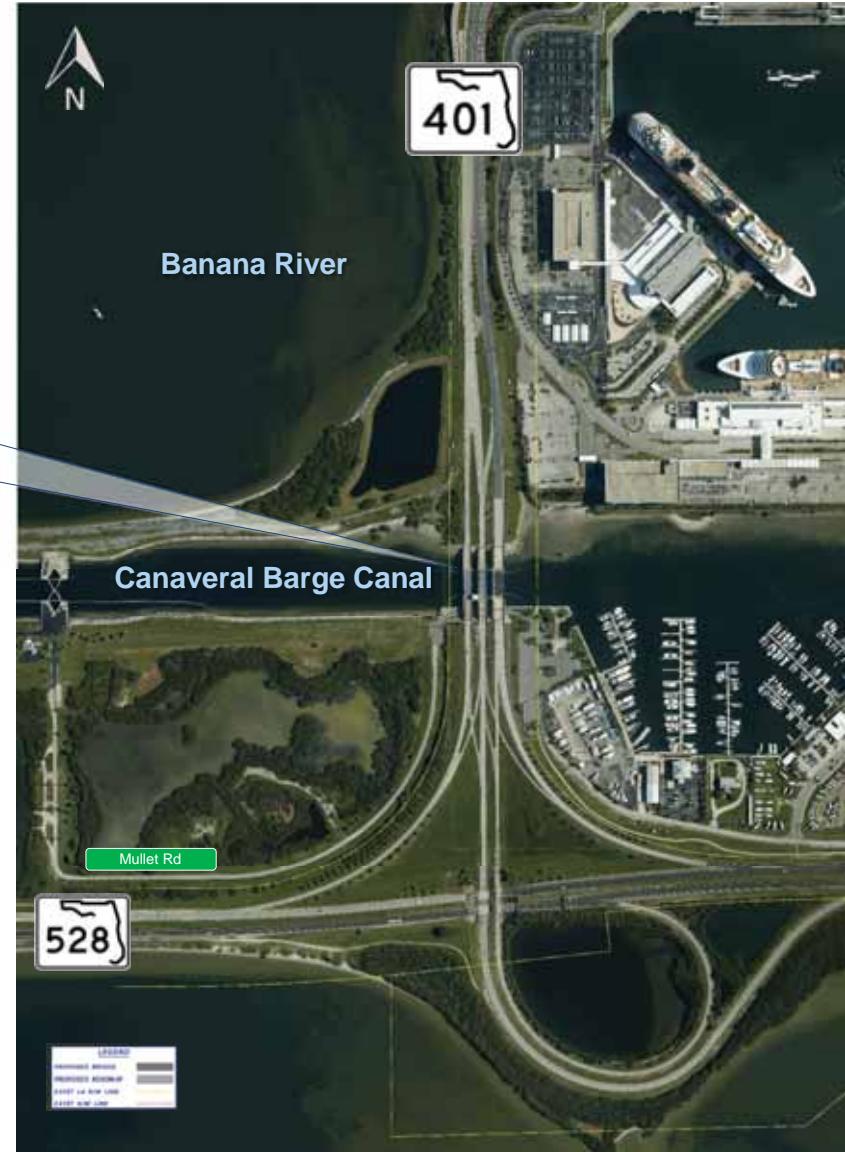
Typical Section & Aerial



Bridge Typical Section



- Assumes no improvements and does not meet the project Purpose and Need
- Three drawbridges (one northbound and two southbound)
 - 12-foot travel lanes
 - Minimum 2-foot shoulders
 - 25-foot vertical clearance
 - 90-foot horizontal clearance

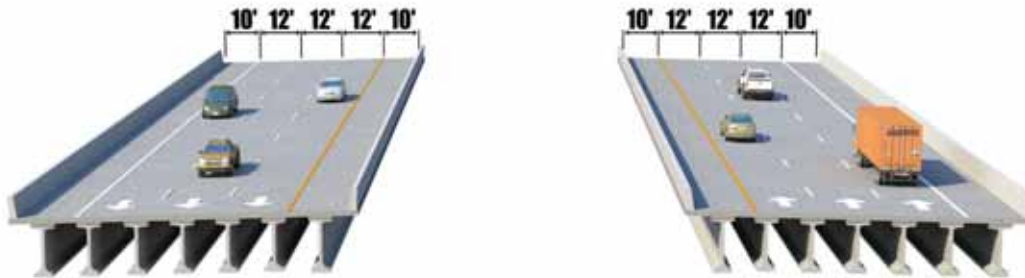


Fixed Bridge Alternative

Typical Section & Aerial



Bridge Typical Section



- Two high-level fixed bridges
- 65-foot vertical clearance over the Canaveral Barge Canal
- 90-foot horizontal clearance
- 6% maximum road grade
- 45 mile per hour design speed
- Embankment for S.R. 528 Ramps
- Mullet Road temporarily closed with alternate access provided during construction



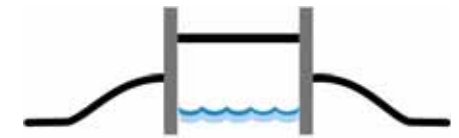


Fixed Bridge Alternative Conceptual Illustration

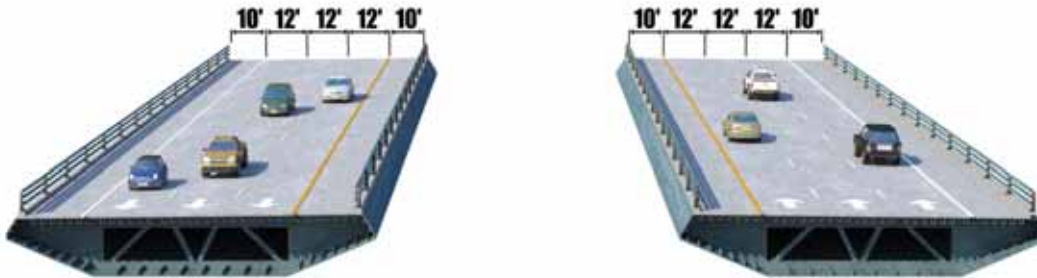


Lift Bridge Alternative

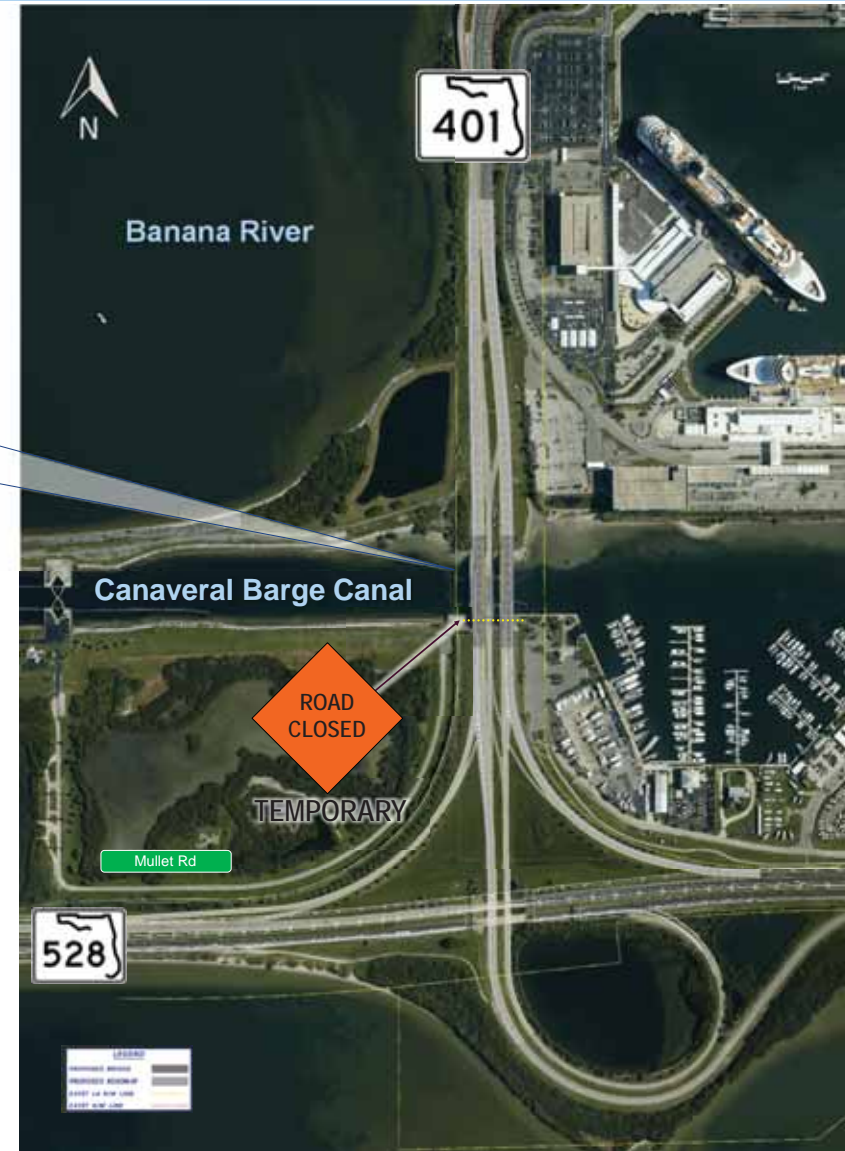
Typical Section & Aerial



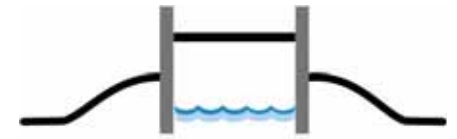
Bridge Typical Section



- Two movable lift bridges
- 40-foot vertical clearance over Canaveral Barge Canal (when closed) and 85-foot vertical clearance (when open/lifted)
- 90-foot horizontal clearance
- 4% maximum road grade
- 50 mph design speed
- Some embankment for S.R. 528 Ramps
- Mullet Road temporarily closed, with alternate access provided during construction

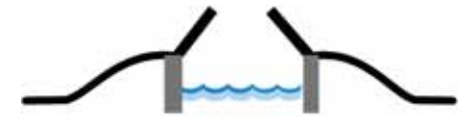


Lift Bridge Alternative Conceptual Illustration

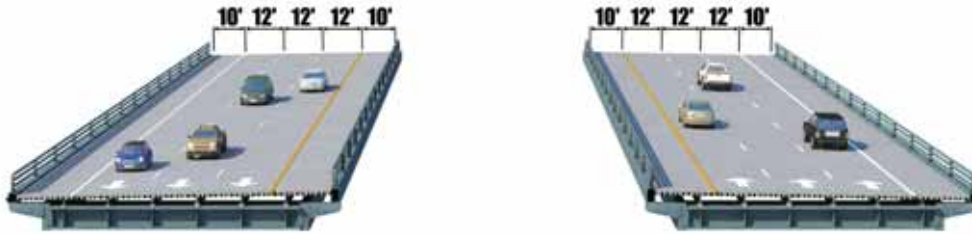


Bascule (Drawbridge) Alternative

Typical Section & Aerial



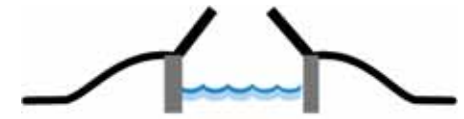
Bridge Typical Section



- Two mid-level drawbridges
- 40-foot vertical clearance over Canaveral Barge Canal (when closed) and unlimited vertical clearance (when open)
- 90-foot horizontal clearance
- 4% maximum road grade
- 50 mph design speed
- Some embankment for S.R. 528 ramps
- Mullet Road permanently shifted to the south, with alternate access provided during construction



Bascule (Drawbridge) Alternative Conceptual Illustration



Evaluation Matrix Summary

Legend
 Most Desirable:
 Least Desirable



Evaluation Criteria		No Build*	Fixed Bridge	Lift Bridge	Drawbridge
Traffic	Delays (final condition)				
	Safety				
Physical	Marine Navigation				
	Infrastructure (Billboards, Access)	N/A			
	Utilities	N/A			
Natural	Habitat (Seagrasses, Coral)	N/A			
	Species (Manatees, Wood Stork)	N/A			
	Wetlands	N/A			
Social	Historic/Cultural Resources	N/A			
	Parks/Trails Impacts	N/A			
	Right of Way	N/A			
Costs	Operations & Maintenance (75 years)	\$80 M	\$20 M	\$45 M	\$45 M
	Approximate Construction Cost	-	\$115 M	\$175 M	\$190 M