

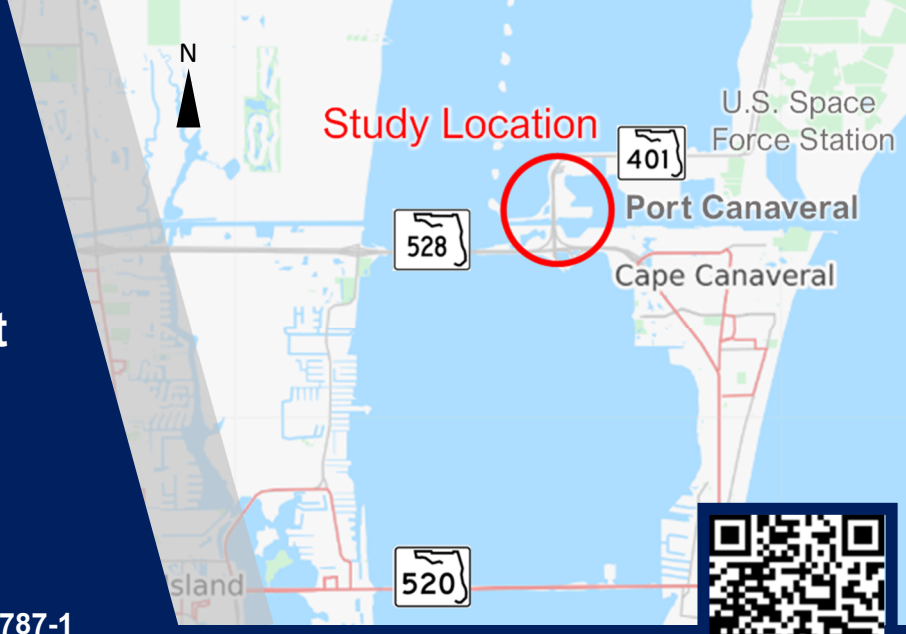


S.R. 401 Bridge Replacement PD&E Study

from S.R. 528 to north of the
Canaveral Barge Canal

Brevard County

Financial Project Identification (FPID) No.: 444787-1



Project Description

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) study to evaluate improvements to the State Road (S.R.) 401 bridges from S.R. 528 to north of the Canaveral Barge Canal.

The purpose of this study is to develop and analyze alternatives for improving the bridges to address access, future mobility, congestion, and safety needs. S.R. 401 provides a vital connection to Port Canaveral's operations including major cruise and cargo terminals. The S.R. 401 bridges also serve as the primary access to the U.S. Space Force Station, Naval Ordnance Test Unit, U.S. Coast Guard facilities, and Space Florida operations.

Four alternatives are being considered for the S.R. 401 bridges:

- No Build (assumes no improvements would be made)
- High-Level Fixed Bridge
- Mid-Level Lift Bridge
- Mid-Level Bascule Bridge (Drawbridge)

Existing physical, natural, social, and environmental features within the study limits are surveyed in detail and taken into consideration during the PD&E study. Following the preliminary analysis, the Department will identify a preferred alternative that will be refined.

Project Status and Estimated Costs*

PD&E Study:	Ongoing: Completion 2023	\$ 2 Million
Design:	Funded 2022	\$ 2 Million
Right of Way:	Unfunded	—
Construction:	Unfunded	—

*subject to change

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PD&E Study Alternatives

No Build Alternative

The no build alternative assumes that no improvements would be made to the three existing parallel bascule bridges (drawbridges) on S.R. 401. One of the existing bridges is for northbound traffic, and two bridges for southbound traffic. Each bridge provides:

- 12-foot-wide travel lanes
- Minimum 2-foot-wide shoulders
- 25-foot vertical clearance over the Canaveral Barge Canal
- 90-foot horizontal clearance (distance between the bridge fenders)

S.R. 401 Bridge Build Alternatives

The build alternatives would provide two bridges with three 12-foot-wide travel lanes in each direction and 5 to 10-foot wide inside and outside shoulders. The horizontal clearance for the build alternative bridges is 90 feet.

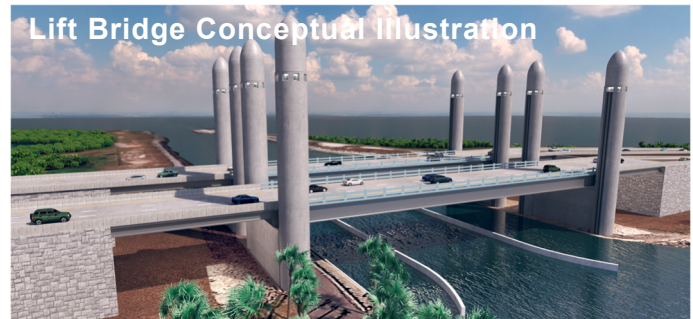
Fixed Bridge Alternative

- Two high-level fixed bridges
- 65-foot vertical clearance
- 6% maximum roadway grade



Lift Bridge Alternative

- Two mid-level movable lift bridges
- 40-foot vertical clearance when bridges are down
- 85-foot vertical clearance when bridges are up
- 4% maximum roadway grade



Bascule Bridge (Drawbridge) Alternative

- Two mid-level movable bascule bridges (drawbridges)
- 40-foot vertical clearance when bridges are closed
- Unlimited clearance when bridges are open
- 4% maximum roadway grade

