

Northern Carteret Bypass

From the Havelock Bypass to the Beaufort Bypass

Local ID: R-4431

Purpose: **Mobility**

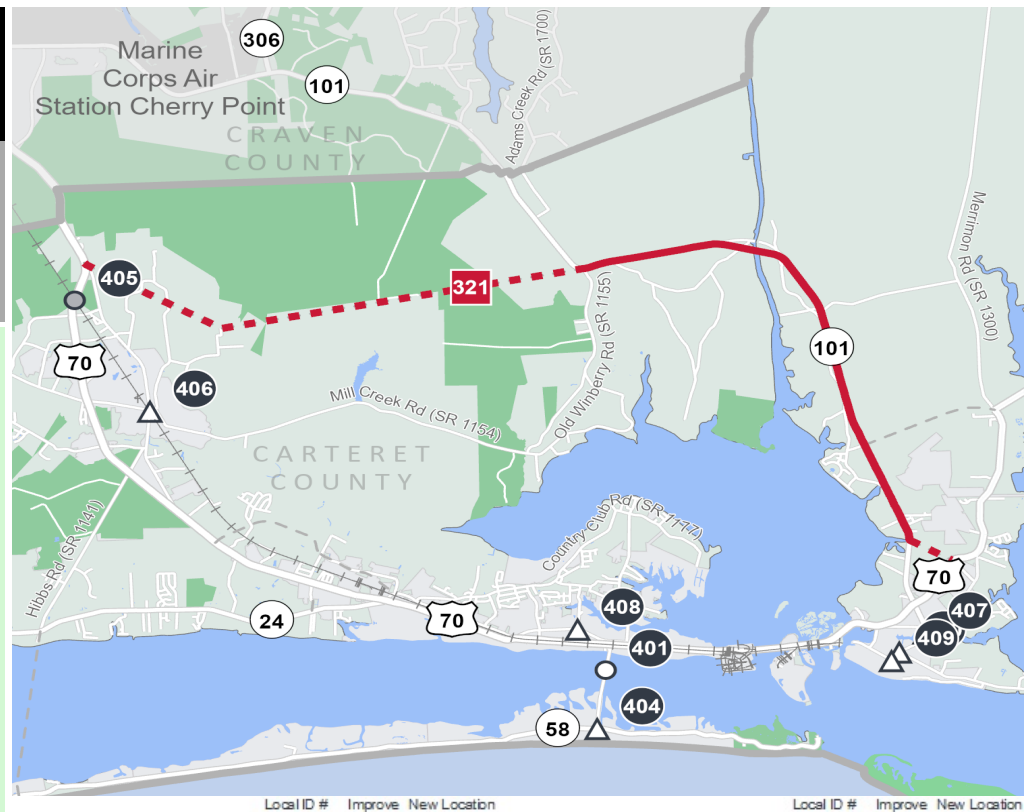
Improvement: **New Location (part on existing)**

Identified Need

There is a need for better mobility connecting the Port of Morehead City to US 70 through a bypass.

Recommendation

R-4431 is to upgrade portions of US 70 and NC 101 to interstate standards and build a new I-42 bypass between Newport and Morehead City in order to connect Port of Morehead City to the interstate system.



	Local ID #	Improve	New Location		Local ID #	Improve	New Location
Congestion / Mobility	#	—	—	Interchange	●	□	■
Access Management / Operations	#	—	—	Bridge / Overpass	●	○	●
Modernization	#	—	—	Intersection	●	∠	▲
Other	#	—	—				

Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Freeway
Typical Section	04 A
Section Options	-
Length (miles)	18.00
Existing ROW (feet)	60-100
Safety Risk Score	33-100

Proposal Data: 2019 Base Year 2050 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Freeway
Travel Lanes	2	2	4
Volume (vpd)	5600-8200	7300-11500	15600-25800
Capacity (vpd)	13200-16400	13200-16400	63000

New Location	Existing	Without Proposal	With Proposal
Facility Type	-	-	Freeway
Travel Lanes	-	-	4
Volume (vpd)	-	-	6500-14800
Capacity (vpd)	-	-	63000

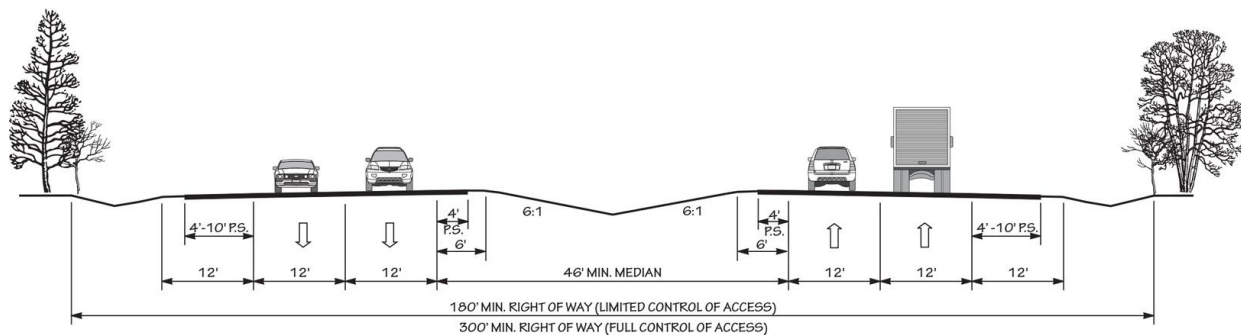
Capacity Data: Year

Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-



Typical Section Options:

None

TYPICAL SECTION No. 4A**4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS**

POSTED SPEED 45-70 MPH

Project History/Linkage to Other Plans

R-4431 project was submitted to various SPOT projects as SPOT ID H190816, H090280 and H230310. The Carteret County Comprehensive Transportation Plan (2014) also recommends Northern Carteret Bypass. 2023 Craven County CTP also includes the portion of Northern Carteret Bypass starting at Havelock Bypass.

Feasibility studies were conducted for Northern Carteret Bypass in 1999 and 2009.

US 70 is a vital transportation corridor for eastern North Carolina that stretches from I-40 near Raleigh in Johnston County to the Atlantic Ocean in Carteret County. Within North Carolina, I-42/US 70 provides a direct connection between Raleigh-Clayton, Goldsboro, Kinston, New Bern, and Morehead City. The purpose of this project is to improve mobility and connectivity of statewide transportation operations along the I-42/US 70 corridor.

The I-42/US 70 corridor is identified as a Strategic Transportation Corridor (STC) within the North Carolina Transportation Network (NCTN). The STC Policy and Map was adopted by the NCDOT on March 4, 2015. The purpose of the NC Transportation Network (NCTN) is to preserve and maximize mobility and connectivity on a core network of multimodal transportation corridors, promoting environmental stewardship and economic prosperity. The I-42/US 70 corridor provides connections to four major activity centers: The Research Triangle Park in Raleigh-Durham, Seymour Johnson Air Force Base in Goldsboro, the Global TransPark in Kinston, Marine Corps Air Station Cherry Point in Havelock, and the Port of Morehead City.

CTP Goal Analysis**Goals and Objectives Survey**

The vision for Carteret County is to have a safe, diverse, efficient, integrated, and environmentally sensitive and

sustainable multi-modal transportation system for its residents, visitors, and businesses. The Carteret County CTP goals include: promoting a safer and more secure transportation network, creating a more efficient transportation system, providing an integrated and multimodal transportation network, supporting regional growth in the transportation network, preserving the social and environmental character of the region, extending the life of the transportation system by developing sustainable transportation solutions, and anticipating future needs of the area in terms of resiliency and flooding.

Public Comments

This Carteret County CTP survey was open from March 1st, 2023 to April 30th, 2023 and there was an English and Spanish version of the survey. There were a total of 439 participants and 1,387 comments as pins on the map were received. There were several comments related to congestion and mobility along US 70.

Other Information

The 2014 Carteret County Comprehensive Transportation Plan identified the Northern Carteret Bypass (R- 4431) from the Havelock Bypass to Beaufort. 2014 CTP proposes a new road starting at the interchange of Havelock Bypass and US 70 south of Havelock. A Feasibility Study (TIP No. R-4431 / FS-9902C) was completed for this project in 1999, and later additional alternatives were analyzed in 2009. The 2014 Carteret County CTP proposes to construct a four-lane divided freeway on new location.

This project was submitted in the various SPOT cycles (H090280, H190816, and H230310) by the Down East RPO in the Statewide Mobility category.

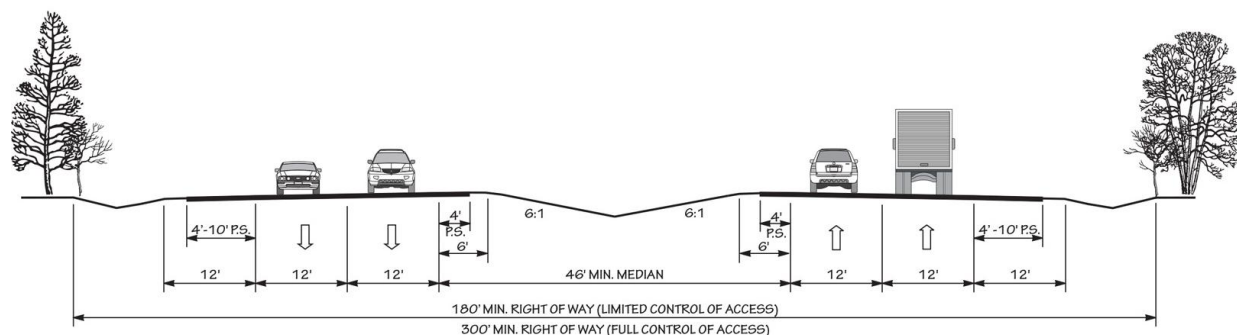
The Carteret County transportation committee approved the Northern Carteret Bypass project to be submitted to NCDOT for strategic prioritization.

Typical Section Options:

None

TYPICAL SECTION No. 4A

4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS



POSTED SPEED 45-70 MPH

R-4431 is to upgrade portions of US 70 and NC 101 to interstate standards and build a new I-42 bypass between Newport and Morehead City. The proposed section between NC 101 and US 70 near the Michael J Smith field airport may aid to the airport expansion since it's east of the expansion & runway protection zones.

All environmental data in the database was considered. This Project is within 150 feet of:

- 2 Benthic Habitat Feature(s)
- 87 Coastal Region Evaluation Of Wetland Significance Feature(s)
- 1 Fish Nursery Area Feature(s)
- 26 Flood Hazard Area Feature(s)
- 1 Gameland Feature(s)
- 1 Hazard Substance Disposal Site(s)
- 3 High Quality And Outstanding Resource Water Feature(s)
- 7 Impaired Waters Line Feature(s)
- 3 Impaired Waters Polygon Feature(s)
- 7 Landscape Habitat Indicator Guild Feature(s)
- 6 Major River Feature(s)
- 5 Managed Area Feature(s)
- 10 Natural Heritage Element Occurrence Feature(s)
- 2 Natural Heritage Natural Area Feature(s)
- 77 Wetland Feature(s)
- 37 River And Stream Feature(s)
- 13 Lake And Pond Feature(s)
- 2 Protected Area Feature(s)

- 2 Regional Trail Feature(s)
- 7 Quality Monitored River And Stream Feature(s)
- 3 Target Local Watershed Feature(s)

This recommendation passes through one or more Census Blocks with the following characteristics:

- Between 50% and 100% identify as 65+
- Between 50% and 75% identify as African American
- Between 0% and 5% identify as Asian
- Between 5% and 15% identify as Hispanic and Latino
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Asian and Pacific Islander
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Indo-European
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Other
- Between 0% and 5% identify as Over 18 with Limited English Proficiency (LEP) - Spanish
- 0% identify as Native American
- Between 1% and 5% identify as Some Other Race
- Between 5% and 10% identify as Two of More Races
- Between 15% and 25% identify as Below Poverty Line
- Between 0% and 15% identify as Households with No Car