

SR 1182 Atlantic Beach Causeway

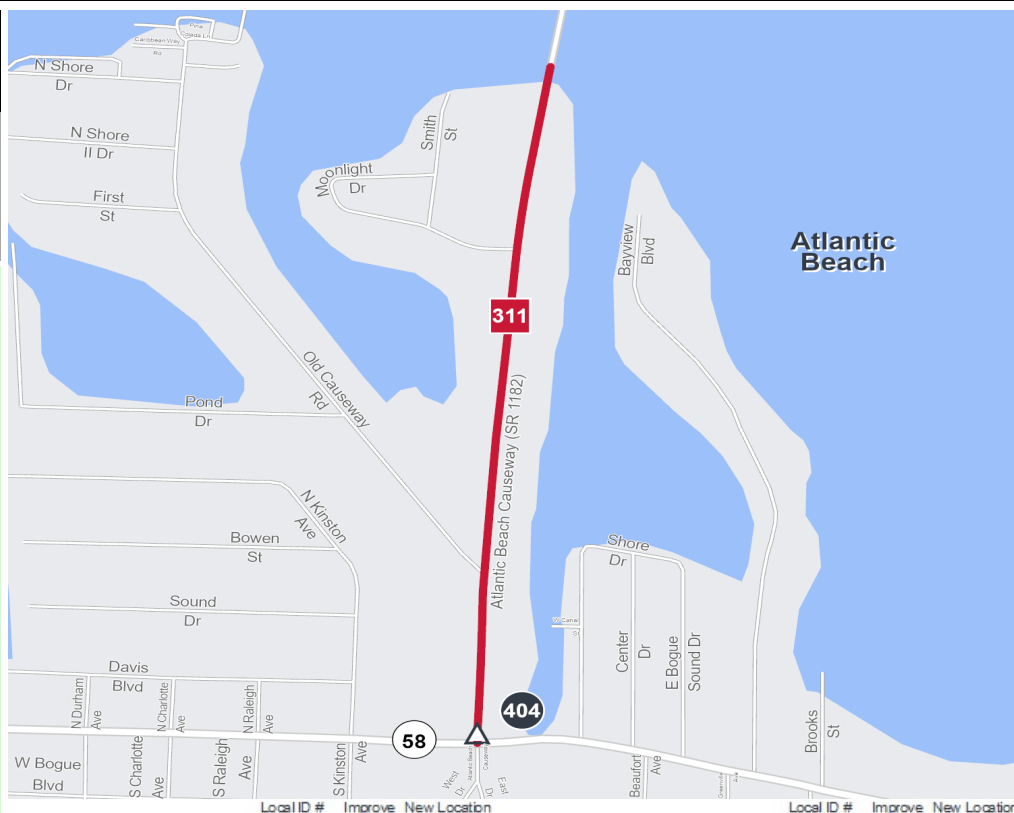
From Atlantic Beach Bridge to NC 58

Local ID: **CART40004-H**Purpose: **Congestion**Improvement: **Improve Existing****Identified Need**

The Atlantic Beach Bridge Causeway is projected to be near capacity by year 2050. Improvements are needed to relieve congestion on the existing facility and accommodate projected traffic volumes such that a minimum of Level of Service (LOS) D can be achieved.

Recommendation

Install medians on portions of Atlantic Beach Causeway. Convert existing parking space west of the roadway into a service road. Install sidewalks or multi-use paths along both sides of the roadway from NC 58 to the beginning of the bridge.

**Proposal At A Glance**

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 L
Section Options	-
Length (miles)	0.70
Existing ROW (feet)	100-200
Safety Risk Score	33

Proposal Data: 2019 Base Year 2050 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare Multi-lane	Major Thoroughfare Multi-lane	Boulevard
Travel Lanes	4	4	4
Volume (vpd)	17500-21500	23000-25500	21700-22700
Capacity (vpd)	22200-26700	22200-26700	28100-38100

Capacity Data: Year

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

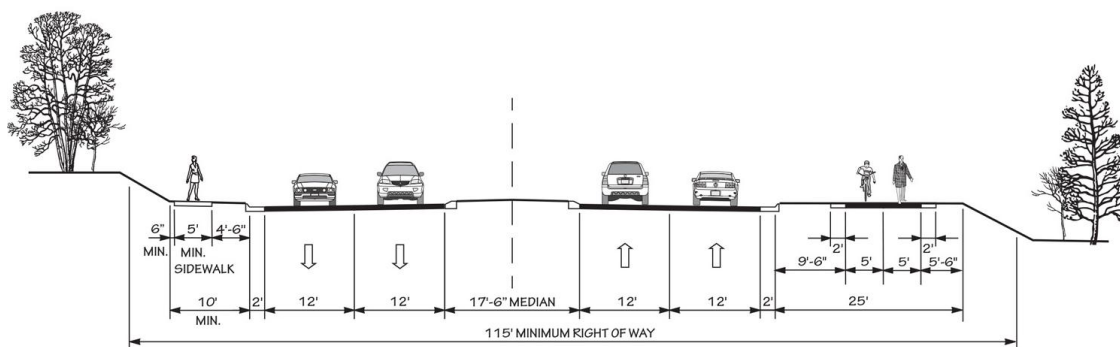


Typical Section Options:

None

TYPICAL SECTION No. 4L

4 LANE DIVIDED (17'-6" RAISED MEDIAN)
WITH CURB & GUTTER, SIDEWALKS AND SIDEPATH



POSTED SPEED 35-45 MPH

Project History/Linkage to Other Plans**Project History**

SR 1182 is the road also known as the Atlantic Beach causeway.

There is currently a project listed on the State Transportation Improvement Program (STIP) website here (B-5938). This project is listed as 'under construction' and includes concrete deck overlay, joint replacement, concrete repairs on the substructure & superstructure, cathodic protection of prestressed concrete items, fender system, lighting, and other items of work.

Linkage to Other Plans

These recommendations were submitted in the SPOT (H191117) plans.

Recommendations for this bridge were also made in the Town of Atlantic Beach CAMA Land Use Plan Update and the Causeway Corridor Conceptual Master Plan (June 2019).

This Causeway Corridor Conceptual Master Plan envisions significant changes to lands within the 200-foot-wide causeway right-of-way, including: - Consolidating and connecting parking lots along the causeway; - Creating a slow-speed frontage accessway with on-street parking in some locations; - Improving the sidewalks and adding a 12-foot-wide multi-use paths along the roadway; - Increasing landscaping, with a focus on shade trees; - Adding crosswalks and median refuge islands to assist people in crossing the causeway; and - Adding wayfinding signs along the route to help visitors better navigate the area.

Project CART40021-H in the CTP (the third bridge) is directly related to this project and was submitted in the SPOT prioritization under SPOT ID H190093.

Carteret County officials have requested the N.C. Department of Transportation conduct an express design study for a potential third bridge to the Bogue Banks. The express design evaluation report included the Mid Island Bridge over Bogue Sound from NC 24 to NC 58 and developed the cost estimates.

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. The Town of Atlantic Beach Bike and Ped Plan also includes a multi-use path here.

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. This project received 56 comments as pins during the online survey. The main concerns were congestion and bike and pedestrian needs.

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

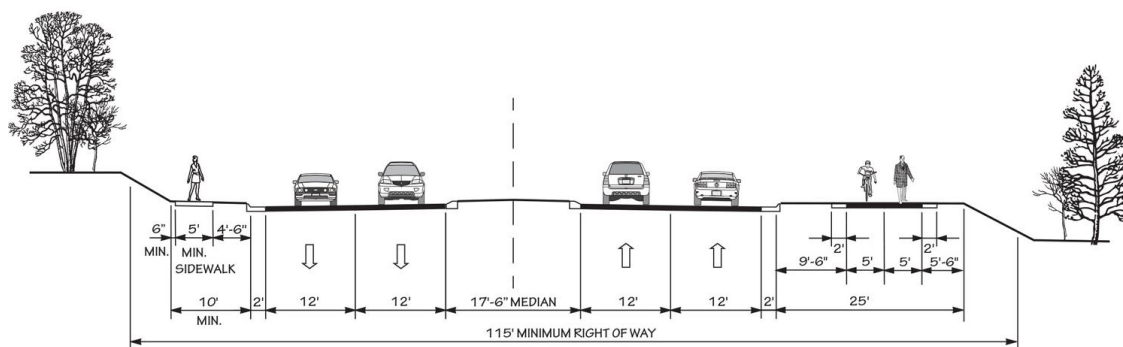
- 1 Beach And Waterfront Access Feature(s)
- 8 Benthic Habitat Feature(s)

Typical Section Options:

None

TYPICAL SECTION No. 4L

4 LANE DIVIDED (17'-6" RAISED MEDIAN)
WITH CURB & GUTTER, SIDEWALKS AND SIDEPATH



POSTED SPEED 35-45 MPH

- 10 Flood Hazard Area Feature(s)
- 1 High Quality And Outstanding Resource Water Feature(s)
- 3 Impaired Waters Line Feature(s)
- 2 Impaired Waters Polygon Feature(s)
- 2 Major River Feature(s)
- 5 Natural Heritage Element Occurrence Feature(s)
- 5 Wetland Feature(s)
- 2 River And Stream Feature(s)
- 3 Quality Monitored River And Stream Feature(s)
- 5 Submerged Aquatic Vegetation Feature(s)
- 1 Target Local Watershed Feature(s)

- Between 1% and 5% identify as Two of More Races
- Between 5% and 15% identify as Below Poverty Line
- Between 15% and 20% identify as Households with No Car

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

- Between 25% and 50% identify as 65+
- Between 0% and 25% 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
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Spanish
- Between 5% and 15% identify as Native American