NC 58 Improvements from Atlantic Beach to Pine Knoll Shores

From Cedar Ln to Lee Dr

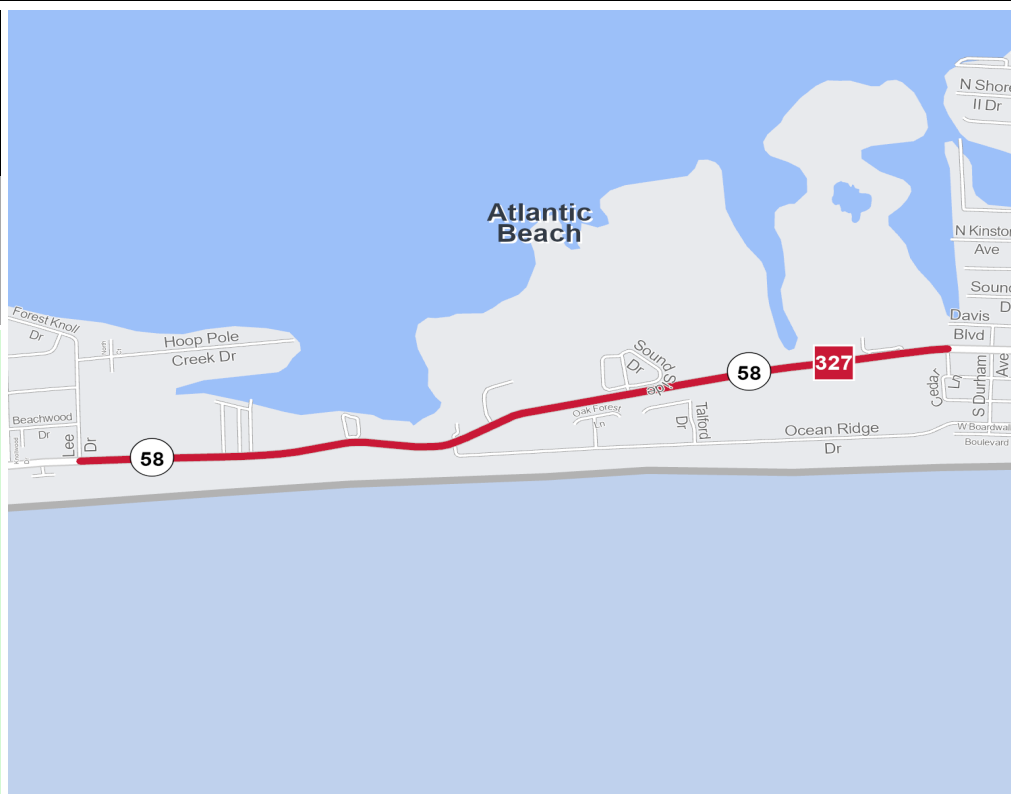Local ID: **CART40030-H**

Purpose: **Congestion**

Improvement: **Improve Existing**

Identified Need

Existing NC 58 is projected to be over capacity by 2050. Improvements are needed to accommodate projected traffic volumes such that a minimum LOS D can be achieved.

Recommendation

Project Number 327. Increase the number of lanes where it makes sense. Add multiuse trail as well.

	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	Major Thoroughfare Multi-lane
Typical Section	04 E
Section Options	-
Length (miles)	1.80
Existing ROW (feet)	100
Safety Risk Score	-

Proposal Data: 2019 Base Year — 2050 Future Year

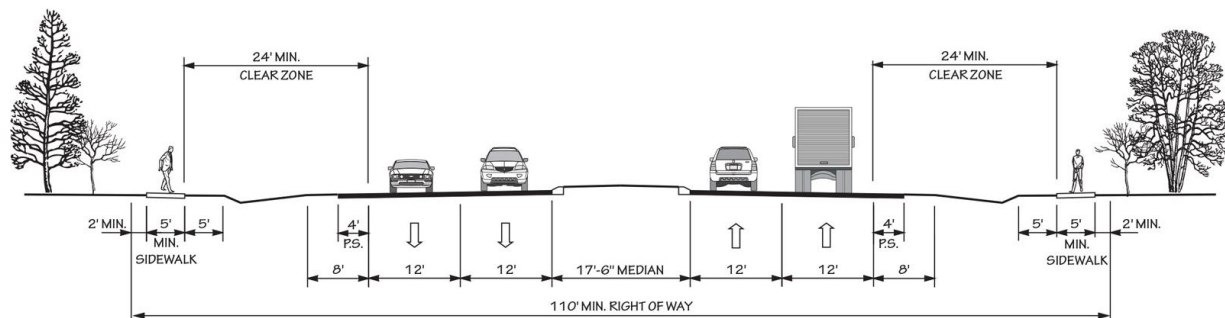| Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Major Thoroughfare Multi-lane
Travel Lanes	2	2	4
Volume (vpd)	12000	17500	14900
Capacity (vpd)	12700	12700	29900

Capacity Data: Year

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

Typical Section Options:
None

TYPICAL SECTION No. 4E

4 LANE DIVIDED (17'-6" RAISED MEDIAN) WITH PAVED SHOULDERS AND SIDEWALKS

POSTED SPEED 35-55 MPH

Project History/Linkage to Other Plans

This area was listed as other major thoroughfare needs improvement in the 2014 Carteret County CTP. The project was also discussed with the steering committee.

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. This area received 24 comments and the main concerns were 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)
- 10 Coastal Region Evaluation Of Wetland Significance Feature(s)
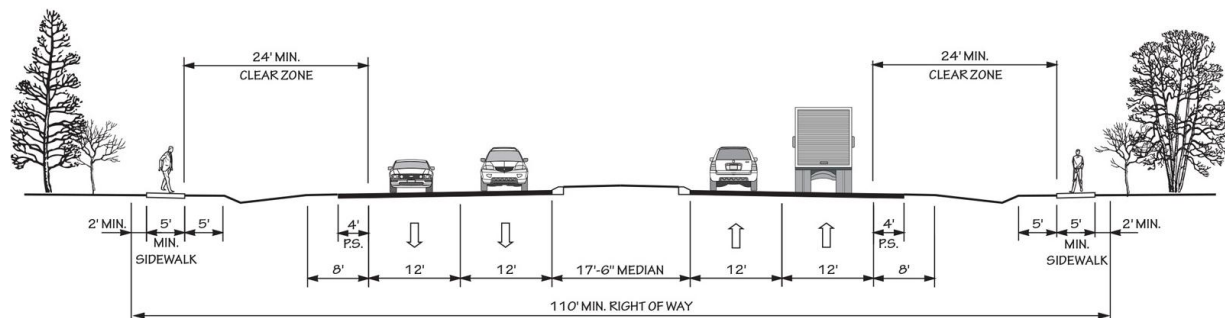- 10 Flood Hazard Area Feature(s)

- 1 High Quality And Outstanding Resource Water Feature(s)
- 2 Landscape Habitat Indicator Guild Feature(s)
- 3 Managed Area Feature(s)
- 5 Natural Heritage Element Occurrence Feature(s)
- 1 Natural Heritage Natural Area Feature(s)
- 3 Wetland Feature(s)
- 1 Lake And Pond Feature(s)
- 3 Protected Area Feature(s)

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 1% and 5% 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
- Between 1% and 5% identify as Some Other Race
- Between 1% and 5% identify as Two of More Races

Typical Section Options:
None

TYPICAL SECTION No. 4E

4 LANE DIVIDED (17'-6" RAISED MEDIAN) WITH PAVED SHOULDERS AND SIDEWALKS

POSTED SPEED 35-55 MPH

- Between 5% and 15% identify as Below Poverty Line