

### N.C. 179 BUS

From U.S. 17 BUS to SR 1184 (Ocean Isle Beach Road)

Local ID: H140888

Purpose: Congestion

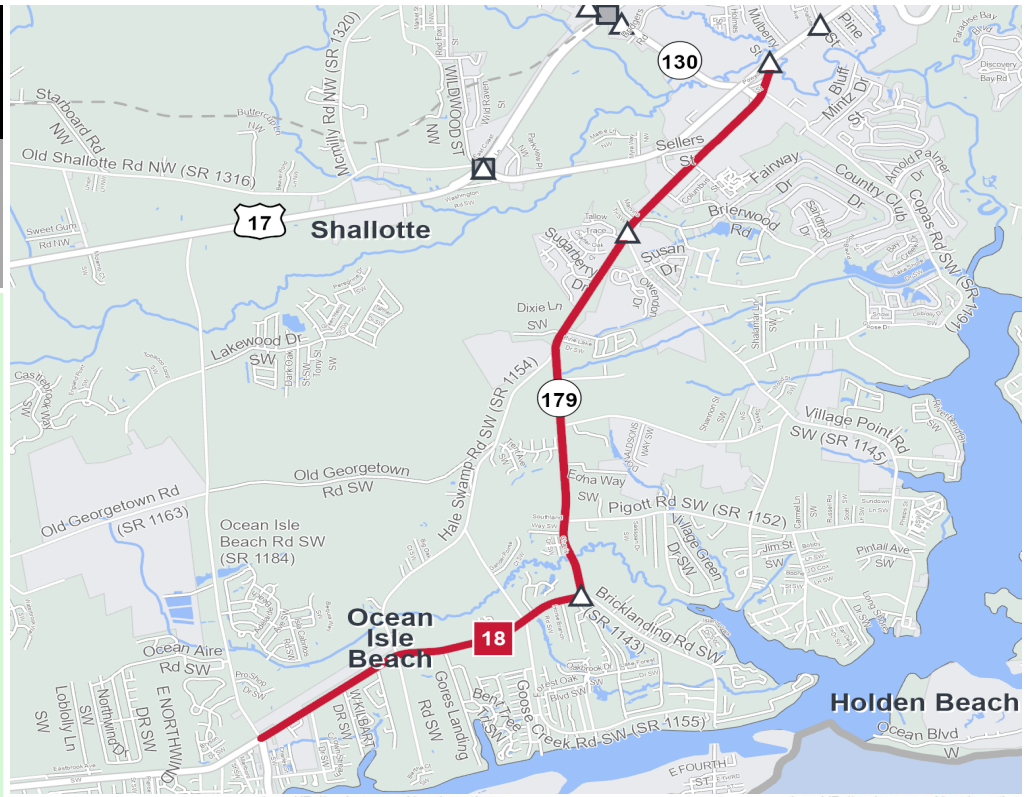
Improvement: Widening

#### Identified Need

NC 179 is a fast-growing corridor. There is a capacity issue along NC 179 Business in both BY and FY. BY volume is 14,524 and capacity is 11,100. FY no-build volume is 21,100 and capacity is 11,100.

#### Recommendation

The proposal is to widen to 4 lanes with paved shoulders and a side path. The existing roadway has 2 and 3-lane sections. A multi-use path is being recommended along NC 179 from the South Carolina border to US 17 Business and is part of the East Coast Greenway Plan.



	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	Boulevard
Typical Section	04 I
Section Options	04 K
Length (miles)	6.30
Existing ROW (feet)	60-220
Safety Risk Score	89

### Proposal Data: 2017 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Boulevard
Travel Lanes	2	2	4
Volume (vpd)	3021-14524	5000-21100	1100-29900
Capacity (vpd)	11100-16600	11100-16600	28100-38100

### Capacity Data: Year

Facility will be Approaching Capacity (>80%)	2017
Facility will be Over Capacity (>=100%)	2017

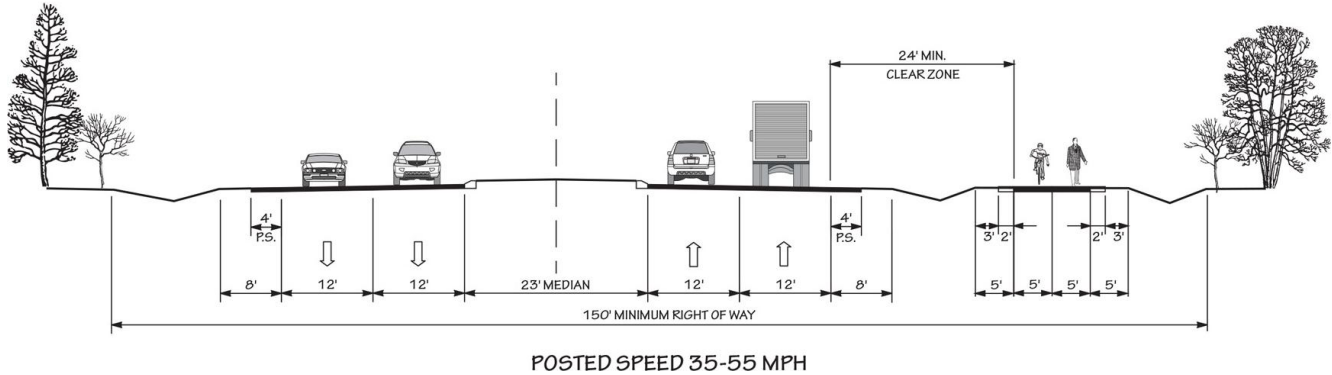


Typical Section Options:

04 K

# TYPICAL SECTION No. 41

4 LANE DIVIDED (23' RAISED MEDIAN)  
WITH PAVED SHOULDERS AND SIDEPATH



## Project History/ Linkage to Other Plans

This project proposal is listed in the 2040 GSATS MTP under widening recommendations for North Carolina and was submitted to SPOT 5.0.

Multi-use path along NC 179 from the South Carolina border to US 17 Business. This route is along the East Coast Greenway Plan and therefore is being recommended as an on-road multi-use lane on south side of the road. Refer to the East Coast Greenway Plan and the adopted Cape Fear Regional Bicycle Plan for further information.

## CTP Goal Analysis

This project supports the following goals and objectives:

**Goal:** Create a more efficient transportation system through improved connectivity, capacity and operations.

**Goal:** Support growth through a transportation network that serves local, inter- and intra- regional accessibility and mobility needs for both people and goods.

**Objectives:** Promote reductions in recurring congestion through transportation capacity, access management, and policy improvements.

**Objectives:** Improve the safety of the transportation system for all user groups regardless of socioeconomic status or physical ability.

## Vision Goals & Objectives Survey

The project proposal received 134 comments during the survey period. Many survey respondents pointed out locations of congestion as well as the desire for bicycle and pedestrian accommodations. The survey was launched on March 10, 2021, and closed on June 11, 2021. There was an English and Spanish version of the survey. A total of 6,969 total participants created a total of 8,387 comments.

## Potential Impacts

**Land Use:** There is an airport, a school, and a golf course located along the project proposal. Additionally, there are several housing developments along the project proposal.

Future housing development is expected to come into the area, specifically total of 449 housing units east of this road.

Future housing development is expected to come into the area, specifically total of 555 housing units east of this road and 330 housing units west of this road.

The safety risk score of 89 indicates there are high level of crashes.

## Additional Information - Environmental

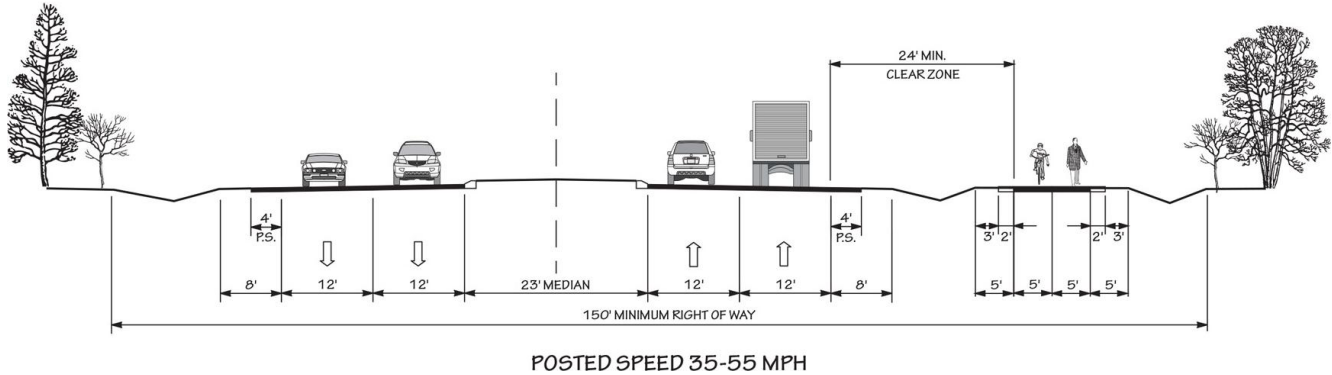
All environmental data in the database was considered. This Project is within 150 feet of:

- 8 Benthic Habitat Feature(s)
- 28 Coastal Region Evaluation Of Wetland Significance Feature(s)
- 6 Fish Nursery Area Feature(s)
- 6 Flood Hazard Area Feature(s)
- 1 High Quality And Outstanding Resource Water Feature(s)
- 1 Landscape Habitat Indicator Guild Feature(s)
- 1 Managed Area Feature(s)
- 1 Mitigation Point(s)
- 5 Natural Heritage Element Occurrence Feature(s)
- 17 Wetland Feature(s)
- 7 River And Stream Feature(s)
- 4 Lake And Pond Feature(s)
- 1 Quality Monitored River And Stream Feature(s)
- 2 Target Local Watershed Feature(s)

Typical Section Options:  
04 K

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## Additional Information - Title VI

- Between 50% and 100% 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
- Between 0% and 5% 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 5% and 10% identify as Two of More Races
- Between 25% and 50% identify as Below Poverty Line
- Between 0% and 15% identify as Households with No Car