

U.S. 17 BUS

From N.C. 130 (Whiteville Road) to U.S. 17

Local ID: **BRUN20003-H**

Purpose: **Congestion**

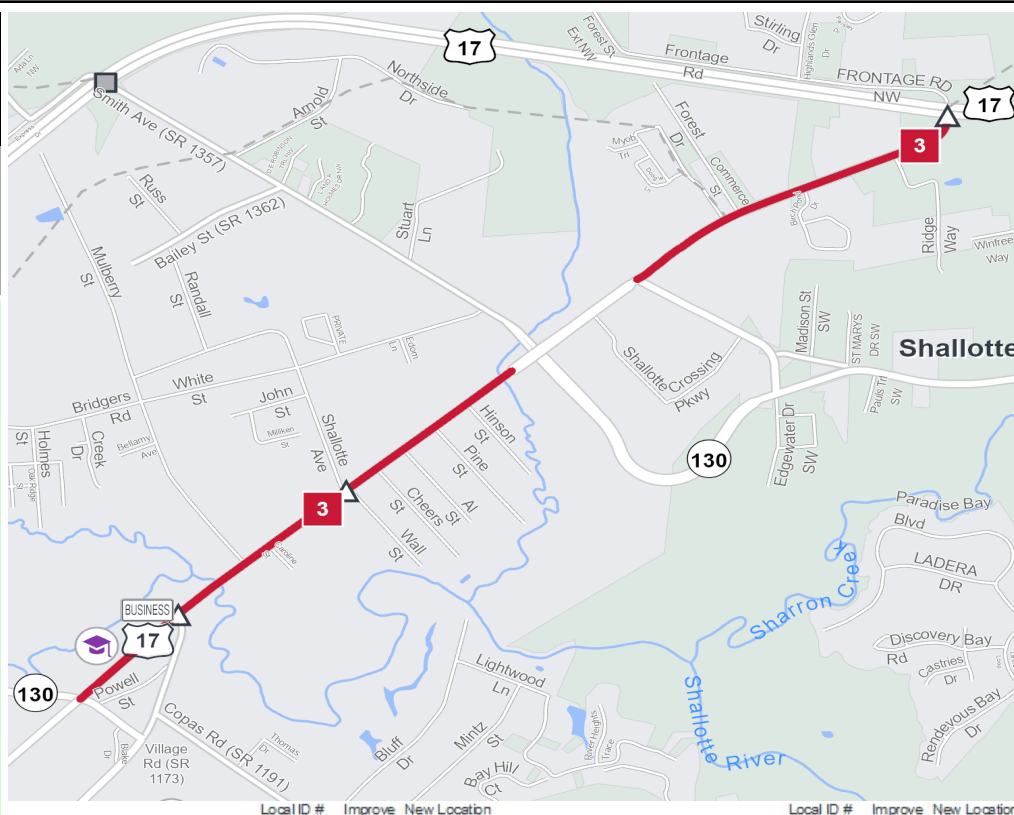
Improvement: **Improve Existing**

Identified Need

The main identified need is the roadway is overcapacity in both base year (BY) and future year (FY).

Recommendation

This is a congestion and mobility project. Currently the roadway is a 3 lane road with turning lane. Road has 11 ft lanes and some portions are 12 ft lanes. There are no shoulders on this road. The recommendation is to bring the road to cross section 4D.

**Proposal At A Glance**

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 D
Section Options	4A
Length (miles)	1.70
Existing ROW (feet)	80-100
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)	4828-19587	6000-26800	2700-27600
Capacity (vpd)	12300-12700	12300-12700	27200

Capacity Data: Year

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

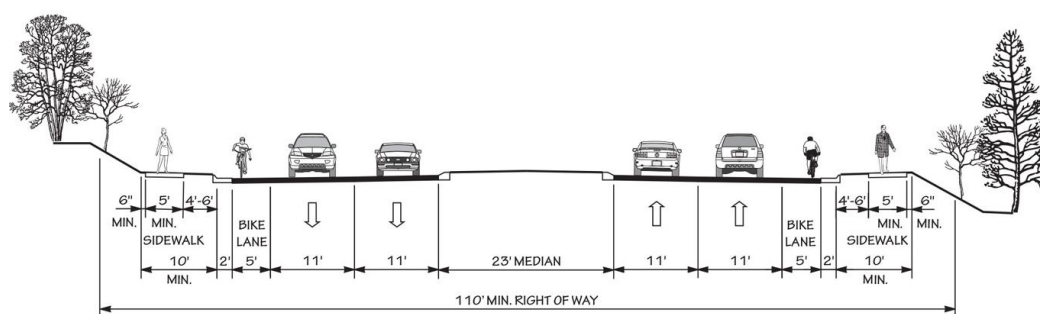


Typical Section Options:

4A

TYPICAL SECTION No. 4D

4 LANE DIVIDED (23' RAISED MEDIAN) WITH CURB & GUTTER,
BIKE LANES, AND SIDEWALKS



POSTED SPEED 35-45 MPH

Project History/Linkage to Other Plans

Bike facilities are recommended along US 17 Bus from NC 130 to Holden Beach Road. This road is along the East Coast Greenway that connects 15 states and 450 cities and towns for 3,000 miles from Maine to Florida to foster safe walking and biking route. Refer to the plan for further information

There are many segments along US 17 Bus where there were congestion issues in BY. With upgrade recommendations being made along US 17 Bus and surrounding roadways, many of the congestion issues are alleviated from the roadway.

On this segment along US 17 Bus, between west of Smith Ave and west of Holden Beach Road, is already upgraded and ranges between a 3-4 lane roadway.

CTP Goal Analysis

This project supports the following goals and objectives:

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

Objective: Limit expansion of the roadway network to the most necessary projects that best address identified issues.

Objective: Support a fully integrated multimodal network that advances the concept of complete streets.

Objectives: Expand and maintain a network of bicycle, pedestrian, and transit facilities that connects homes, activity centers, and complementary amenities.

Vision Goals & Objectives Survey

There were 157 comments on US 17 in the Brunswick County CTP survey. Comments mentioned controlling access, congestion, maintenance issues and the desire

for bicycle lanes and sidewalks or a multiuse path. 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 Impact

Land Use/CUR: This is a roadway mostly surrounded by commercial development.

Additional Information - Environmental

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

- 1 Ambient Water Quality Monitoring Site(s)
- 6 Benthic Habitat Feature(s)
- 2 Coastal Region Evaluation Of Wetland Significance Feature(s)
- 2 Fish Nursery Area Feature(s)
- 3 Flood Hazard Area Feature(s)
- 2 Hazard Substance Disposal Site(s)
- 1 Landscape Habitat Indicator Guild Feature(s)
- 1 Managed Area Feature(s)
- 5 Natural Heritage Element Occurrence Feature(s)
- 6 Wetland Feature(s)
- 2 River And Stream Feature(s)
- 1 Lake And Pond Feature(s)
- 1 Quality Monitored River And Stream Feature(s)
- 1 Target Local Watershed Feature(s)

Additional Information - Title VI

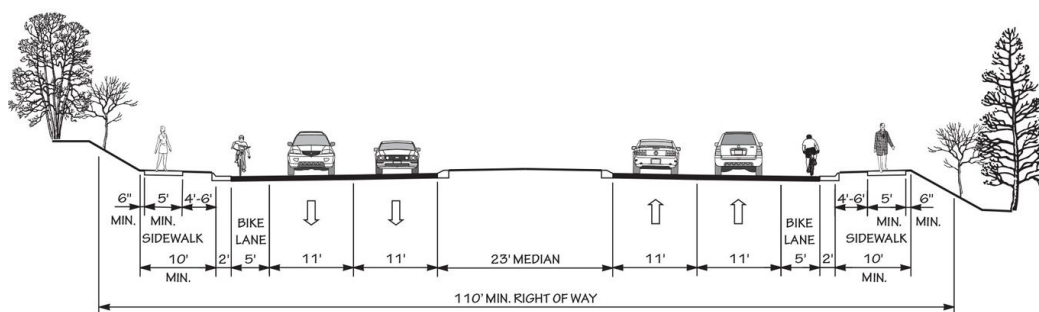
- Between 25% and 50% identify as 65+
- Between 25% and 50% identify as African American

Typical Section Options:

4A

TYPICAL SECTION No. 4D

4 LANE DIVIDED (23' RAISED MEDIAN) WITH CURB & GUTTER,
BIKE LANES, AND SIDEWALKS



POSTED SPEED 35-45 MPH

- 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 5% and 10% 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