

**N.C. 87**

From N.C. 211 to U.S. 17

Local ID: BRUN30016-H

Purpose: Access

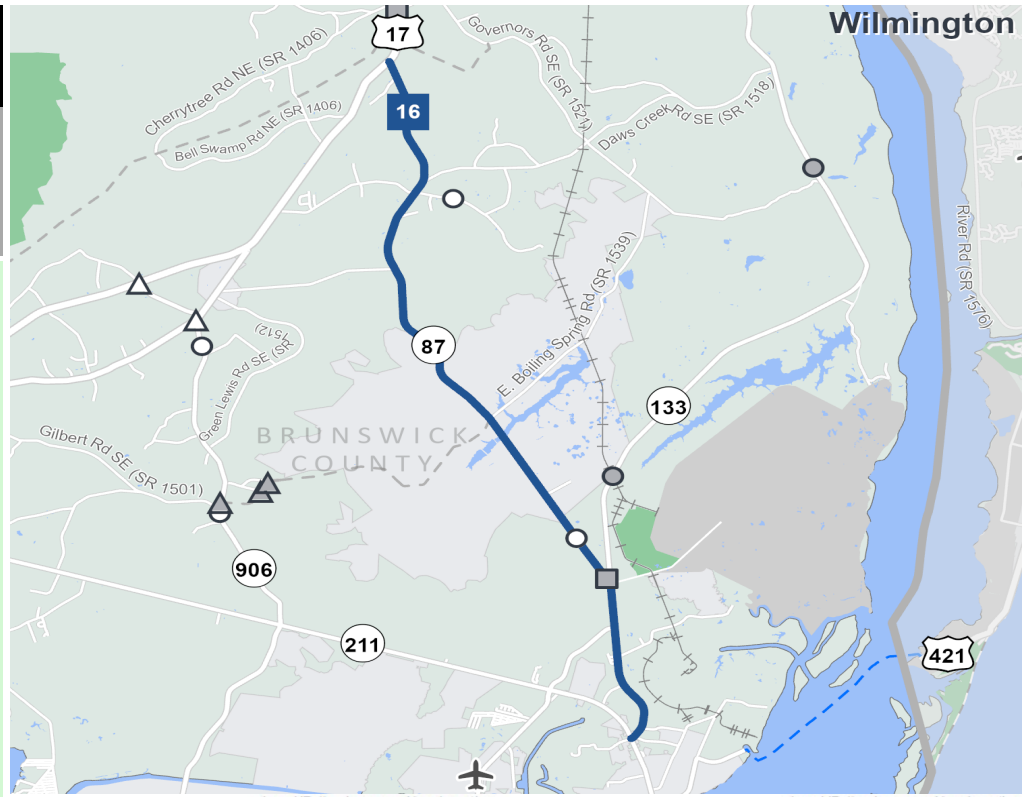
Improvement: Widening

**Identified Need**

There is a lack of center left turn lanes for access along this roadway.

**Recommendation**

The proposal is to widen NC 87 to 3 lanes with 12-foot lanes. The existing facility is mostly 2 lanes. A multi-use path is being recommended from north town limits to south town limits; this comes from the City of Boiling Spring Lakes Pedestrian Plan.



Congestion / Mobility	#	—	⊙	⊙	⊙
Access Management / Operations	#	—	⊙	⊙	⊙
Modernization	#	—	⊙	⊙	⊙
Other	#	—	⊙	⊙	⊙

**Proposal At A Glance**

Highway Class	Access Management & Operation
Facility Type	Major Thoroughfare 2-lane
Typical Section	03 E
Section Options	03 D
Length (miles)	15.00
Existing ROW (feet)	100-150
Safety Risk Score	100

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

Improved Route	Existing	Without Proposal	With Proposal
	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane
Facility Type	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane
Travel Lanes	2	2	2
Volume (vpd)	3996-18630	6100-28100	6100-28100
Capacity (vpd)	12800-15500	12800-15500	12800-15500

**Capacity Data: Year**

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

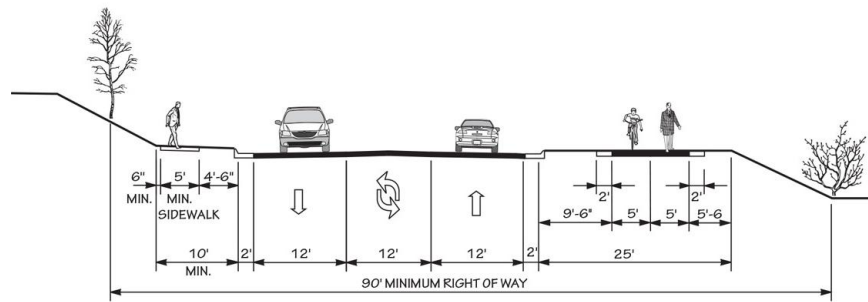


Typical Section Options:

03 D

# TYPICAL SECTION No. 3E

2 LANE WITH TWO WAY LEFT TURN LANE,  
CURB & GUTTER, SIDEWALKS, AND SIDEPATH



POSTED SPEED 25-45 MPH

## Project History/Linkage to Other Plans

The 2010 Brunswick County CTP recommended widening NC 87 to a multi-lane facility from US 17 to NC 211.

Multi-use recommendation along NC 87 from north town limits to south town limits. This project comes from the final draft plan of the City of Boiling Spring Lakes Pedestrian Plan as a shared-use proposal; refer to the plan for further information.

The intersection of NC 87 and Fifty Lakes Drive experiences heavy congestion during school rush hour times. The traffic mostly gets backed up when vehicles turn left from NC 87 onto Fifty Lakes Drive. This location is just one block from Cougar Drive where both South Brunswick Middle School and South Brunswick High School are located. There is also commercial traffic off of NC 87, particularly from S Shore Drive to slightly north of Miller Road. The CTP suggests a solution by adding a cross section of 3E along the roadway to help with access management.

There is a need to accommodate for a safe multi-use path along Mitchell Prince Bridge which falls along the segment of this project. There are limited shoulders on the bridge and presented ROW challenges in proximity to Patricia Lake.

The construction of Antenna Farm Road (Map ID 29) should help alleviate some of the congestion issues on NC 87.

## CTP Goal Analysis

This project supports the following goals and objectives:

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

**Objectives:** Promote reductions in recurring congestion through transportation capacity, access management,

and policy improvements.

## Vision Goals & Objectives Survey

This project proposal received 68 comments during the survey period. Comments mentioned congestion and expressed need for wider roadways and wider paved shoulders, and safe bike and pedestrian facilities. 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 survey participants created a total of 8,387 comments.

## Potential Impacts

**Land Use:** Most of the land use around NC 87 is vacant land though there are several non-commercial properties located along NC 87.

NC 87 runs through the City of Boiling Spring Lakes. According to the 2017 City of Boiling Spring Lakes Comprehensive Land Use Plan, the existing land use in the area includes, single-family residential, recreation, office and institutional, and vacant land.

Future housing development is expected to come into the area, specifically total of 319 housing units east of this road.

The safety risk score of 100 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:

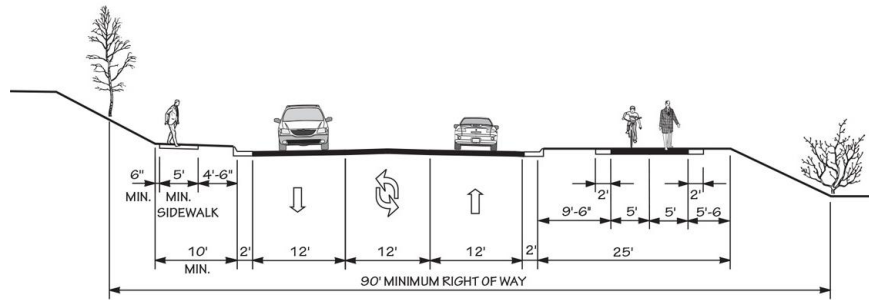
- 80 Coastal Region Evaluation Of Wetland Significance Feature(s)
- 11 Flood Hazard Area Feature(s)
- 5 Landscape Habitat Indicator Guild Feature(s)
- 1 Land Water Conservation Fund Property Feature(s)

Typical Section Options:

03 D

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2 LANE WITH TWO WAY LEFT TURN LANE,  
CURB & GUTTER, SIDEWALKS, AND SIDEPATH



POSTED SPEED 25-45 MPH

- 6 Managed Area Feature(s)
- 34 Natural Heritage Element Occurrence Feature(s)
- 1 Natural Heritage Natural Area Feature(s)
- 80 Wetland Feature(s)
- 27 River And Stream Feature(s)
- 19 Lake And Pond Feature(s)
- 2 Protected Area Feature(s)
- 1 Quality Monitored River And Stream Feature(s)
- 2 Target Local Watershed Feature(s)

### Additional Information - Title VI

- Between 25% and 50% identify as 65+
- Between 0% and 25% identify as African American
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 15% and 25% 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 5% and 15% identify as Over 18 with Limited English Proficiency (LEP) - Spanish
- Between 5% and 15% identify as Native American
- Between 15% and 20% 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