

**N.C. 906 (Midway Road)**  
From N.C. 211 to SR 1501 (Gilbert Road)

Local ID: H090236-A

Purpose: Safety

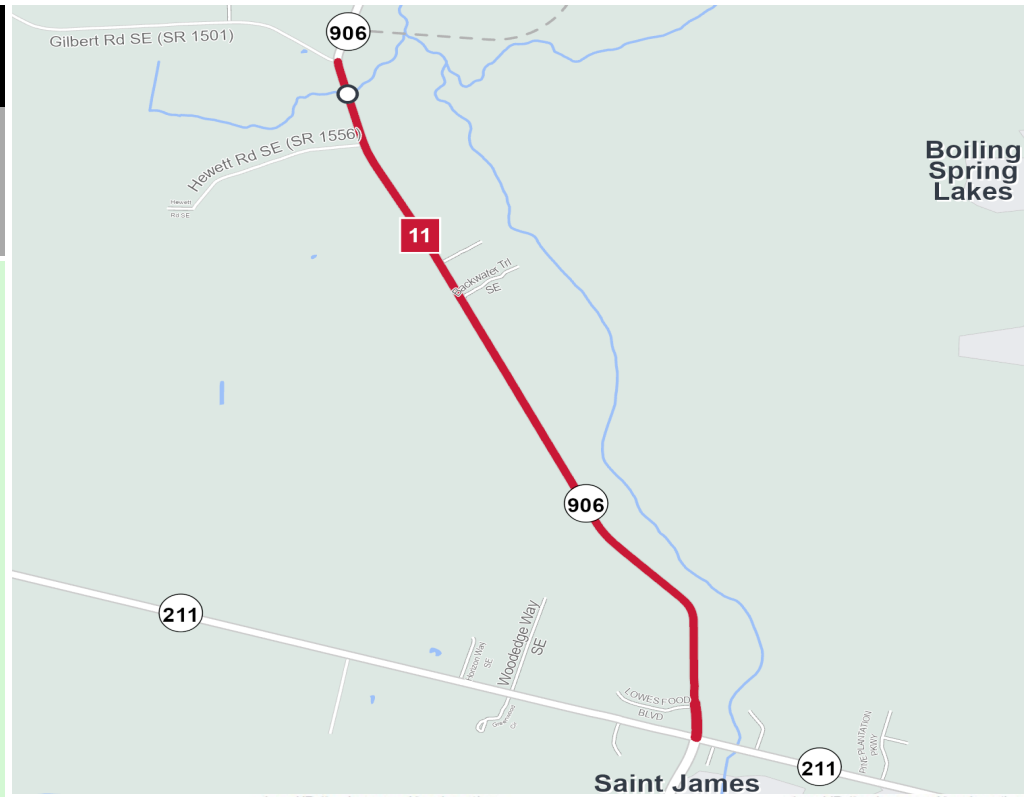
Improvement: Widening

**Identified Need**

There is a need for an upgraded roadway (additional lanes) between NC 211 and the US 17 Bypass. These roadways are used for weather-related evacuations and emergency response events.

**Recommendation**

The project proposal is to widen NC 906 Midway Rd from a 2-lane undivided cross-section to a divided roadway with 4 lanes and add a bike lane from NC 211 to SR 1501 (Gilbert Rd). A separated bike lane would provide safety for both motorists and cyclists. See Cape Fear Regional Bicycle 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 A                  |
| Section Options     | -                     |
| Length (miles)      | 2.70                  |
| Existing ROW (feet) | 60-84                 |
| Safety Risk Score   | 100                   |

| Proposal Data: | 2017 Base Year     |                    | 2045 Future Year   |               |
|----------------|--------------------|--------------------|--------------------|---------------|
|                | Improved Route     | Existing           | Without Proposal   | With Proposal |
| Facility Type  | Major Thoroughfare | Major Thoroughfare | Major Thoroughfare | Boulevard     |
| Travel Lanes   | 2-lane             | 2-lane             | 2-lane             | 4             |
| Volume (vpd)   | 4498-9006          | 6500-13100         | 9600-21000         |               |
| Capacity (vpd) | 15900              | 15900              | 49000              |               |

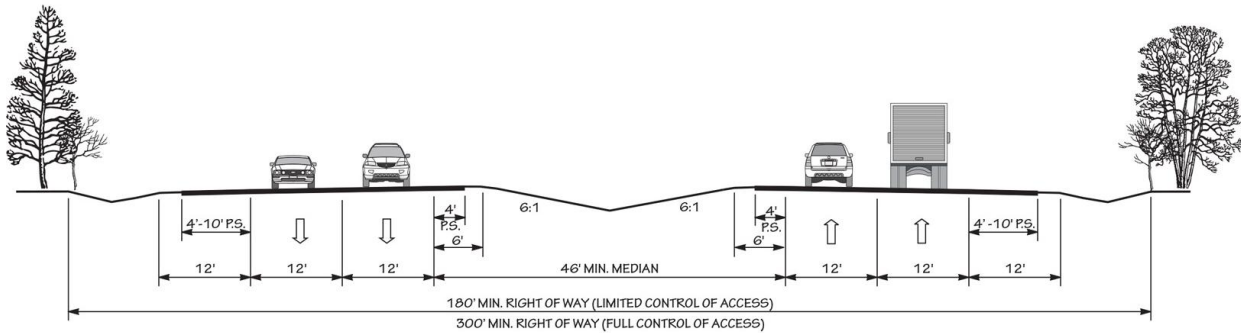
| Capacity Data:                               | Year |
|--|------|
| Facility will be Approaching Capacity (>80%) | -    |
| Facility will be Over Capacity (>=100%)      | -    |



Typical Section Options:

# TYPICAL SECTION No. 4A

4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS



POSTED SPEED 45-70 MPH

## Project History/Linkage to Other Plans

This project proposal was listed in the 2010 Brunswick County CTP and was submitted to SPOT 5.0 and SPOT 6.0.

The following 2015 STIP project is linked to this project:

**R-3434:** SR 1500 (Midway Road) - SR 1401 (Galloway Road) From NC 211 To US 17 Bypass

Bike lane along NC 906 from NC 211 to US 17 Bus. This roadway is heavily used by bicyclists and would connect to the recommended NC 906 route from NC 211 to dead end in Oak Island on the adopted Cape Fear Regional Bicycle Plan. A separated bike lane would provide safety for both motorists and cyclists.

\*A cross section with paved shoulders is recommended to accommodate for bike lanes.

## CTP Goal Analysis

This project supports the following goals and objectives:

**Goal:** Promote a safer and more secure transportation network through crash reduction, enhanced reliability and predictability, and improved emergency coordination.

**Objectives:** Improve safety and security by enhancing the evacuation route network for natural events.

**Objectives:** Increase the reliability, predictability, and efficiency of the transportation experience through system improvements and enhanced communication.

## Vision Goals & Objectives Survey

The project proposal received 86 comments during the survey period. These comments mentioned congestion, and the need for wider shoulders, multimodal options, and general maintenance. 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:** Residential properties exist on both sides of the roadway. On Midway Rd. just before NC 211, there is a shopping center called Midway Commons. 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:

- 6 Coastal Region Evaluation Of Wetland Significance Feature(s)
- 2 Flood Hazard Area Feature(s)
- 1 Landscape Habitat Indicator Guild Feature(s)
- 5 Natural Heritage Element Occurrence Feature(s)
- 8 Wetland Feature(s)
- 4 River And Stream Feature(s)
- 2 Lake And Pond Feature(s)
- 2 Target Local Watershed Feature(s)

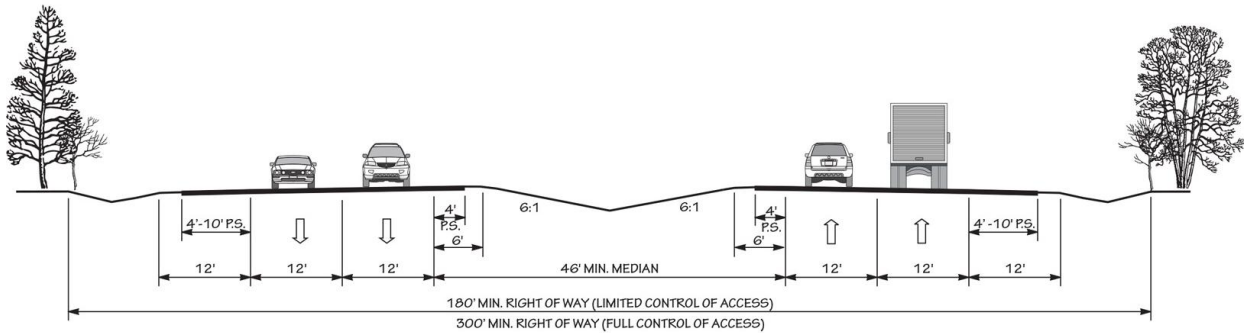
## Additional Information - Title VI

- Between 25% and 50% identify as 65+
- Between 0% and 25% identify as African American
- Between 0% and 5% identify as Asian
- Between 5% and 15% identify as Hispanic and Latino
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Asian and Pacific Islander

Typical Section Options:

# TYPICAL SECTION No. 4A

4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS



POSTED SPEED 45-70 MPH

- 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 5% and 10% identify as Some Other Race
- Between 1% and 5% identify as Two of More Races
- Between 15% and 25% identify as Below Poverty Line
- Between 0% and 15% identify as Households with No Car