

N.C. 904 (Seaside Road)

From U.S. 17 to N.C. 179

Local ID: H090804

Purpose: Congestion

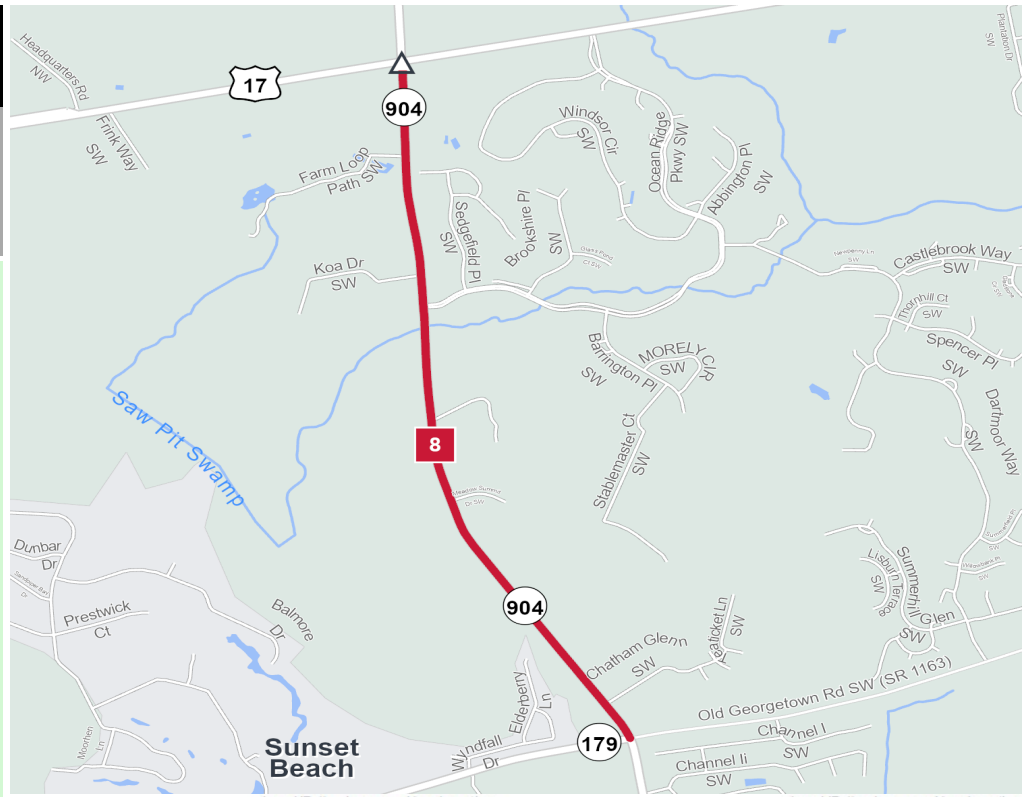
Improvement: Widening

Identified Need

Existing NC 904 from US 17 to NC 179 is projected to exceed capacity by 2045 (no-build) with 17,600 volume and 14,600 capacity. There is a need to alleviate congestion and improve safety. This highway serves as a hurricane evacuation route.

Recommendation

The project proposal is to widen from 2-lane undivided roadway to a 4-lane divided roadway. A bike lane and sidewalk are recommended for the west side of street along NC 904 from Old Shallotte Road to NC 179.



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 D
Section Options	04 G
Length (miles)	2.20
Existing ROW (feet)	60
Safety Risk Score	89

Proposal Data: 2017 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
<i>Facility Type</i>	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Boulevard
<i>Travel Lanes</i>	2	2	4
<i>Volume (vpd)</i>	7556-9001	15500-17600	11700-16000
<i>Capacity (vpd)</i>	14600	14600	38100

Capacity Data: Year

Facility will be Approaching Capacity (>80%)	2045
Facility will be Over Capacity (>=100%)	2045

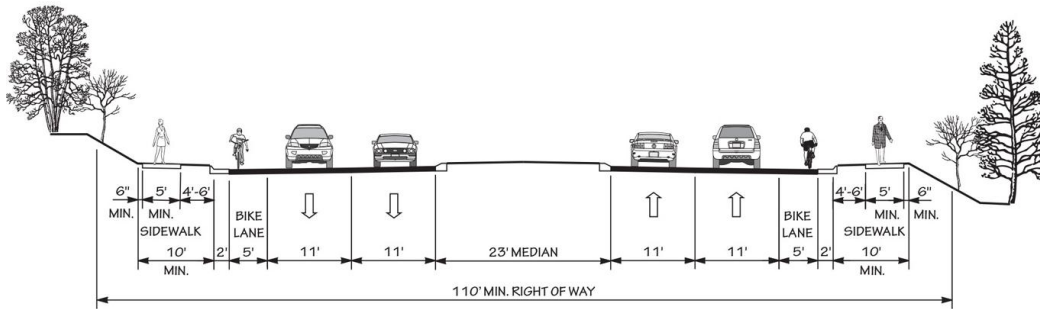


Typical Section Options:

TYPICAL SECTION No. 4D

04 G

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



POSTED SPEED 35-45 MPH

Project History/Linkage to Other Plans

This recommendation is listed in the 2040 GSATS MTP (completed in 2017) under Widening Recommendations; it was also submitted to SPOT 5.0.

Bicycle and sidewalk proposal on west side of street along NC 904 from Old Shallotte Road to NC 179.

GSATs is currently working with the Town of Sunset Beach on creating a Corridor Study for NC 904.

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

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

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

Vision Goals & Objectives Survey

This project proposal received 94 comments during the survey period. Comments included general maintenance issues, reports of accidents, and requests for bike lanes and sidewalks. 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: This project proposal is adjacent to a large subdivision, a golf course, and a campsite. Other stores/businesses are also located along both sides of the roadway.

Future housing development is expected to come into the area, specifically total of 104 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:

- 10 Coastal Region Evaluation Of Wetland Significance Feature(s)
- 2 Natural Heritage Element Occurrence Feature(s)
- 6 Wetland Feature(s)
- 1 River And Stream Feature(s)
- 1 Lake And Pond Feature(s)
- 2 Target Local Watershed Feature(s)

Additional Information - Title VI

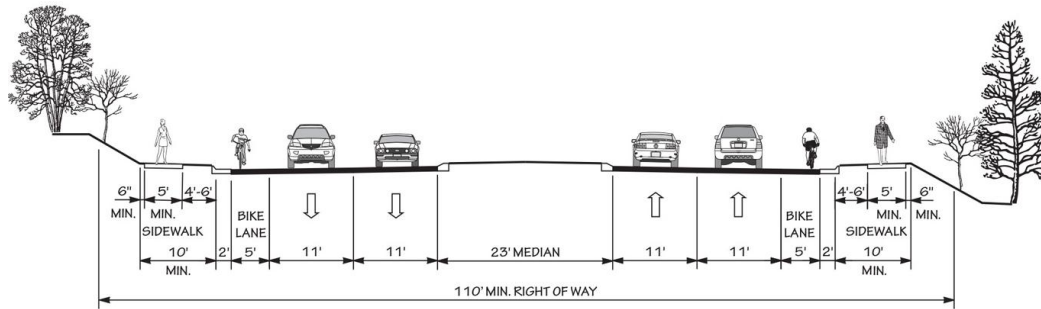
- Between 50% and 100% identify as 65+
- Between 0% and 25% identify as African American
- Between 0% and 5% identify as Asian
- Between 1% and 5% identify as Hispanic and Latino
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Asian and Pacific Islander
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Indo-European
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Other

Typical Section Options:

04 G

TYPICAL SECTION No. 4D

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



POSTED SPEED 35-45 MPH

- 0% identify as Over 18 with Limited English Proficiency (LEP) - Spanish
- 0% identify as Native American
- Between 1% and 5% identify as Two of More Races
- Between 5% and 15% identify as Below Poverty Line
- Between 0% and 15% identify as Households with No Car