

NC 20 Modernization

From US 401 Business (East Central Avenue) to planning area boundary

Local ID: H150581

Purpose: Facility Deficiencies

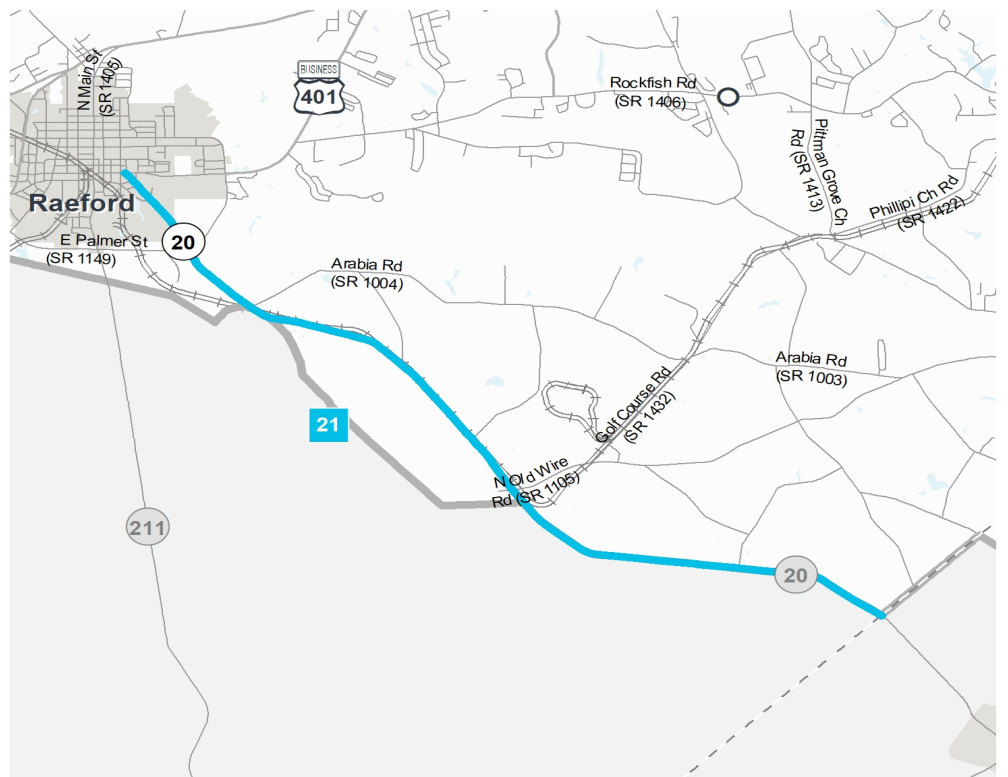
Improvement: Widening

Identified Need

NC 20 from US 401 business to FAMPO Planning Area Boundary, is a Regional Impact project. NC 20 is currently 2-lane thoroughfare. There is a need to bring the roadway up to current design standards.

Recommendation

The Project proposal is to modernize NC 20 by adding turn lanes where appropriate and pave shoulders.



	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	Modernization
Facility Type	Major Thoroughfare 2-lane
Typical Section	02 A
Section Options	03 A
Length (miles)	9.06
Existing ROW (feet)	60-115
Safety Risk Score	56

Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane
Travel Lanes	2	2	2
Volume (vpd)	1400-4000	2000-6500	2200-8300
Capacity (vpd)	10700-15900	10700-15900	12700-17800

Capacity Data: Year

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

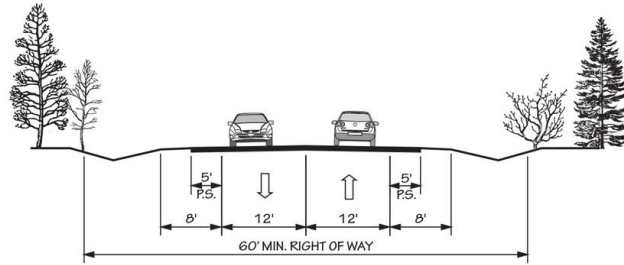


Typical Section Options:

03 A

TYPICAL SECTION No. 2A

2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 55 MPH

NC 20 modernization project spans from City of Raeford to Town of Lumber Bridge in Robeson County. The Robeson county Portion of the project was included in the 2011 Robeson County CTP.

H150581 was identified in SPOT 5.0 and SPOT 6.0.

STIP project R-5904 is also part of NC 20 improvements in Robeson County.

Vision, Goals, & Objectives

The purpose of this project is to reduce congestion, reduce travel time, and improve safety along this facility. The Cumberland County / FAMPO CTP Goals include focusing on growth around established municipalities, infrastructure, and strategic nodes while encouraging safe, multi-modal transportation options with adequate connectivity. Additionally Cumberland County / FAMPO CTP goals strive to protect, preserve, and enhance environmental features and open space opportunities in conjunction with recognizing the strategic importance of military installations within and adjacent to the community and promoting economic development growth through transportation and planning means.

Goals & Objectives Survey

H150581 received no comments during the survey period. The Survey was launched on August 12, 2020 and closed on September 28, 2020. There was an English and Spanish version of the survey. A total of 228 participants created 530 comments / suggestions on the map of Cumberland County / FAMPO.

H150581 occurs within a Natural Heritage Element Occurances zone, and crosses Peddlers Branch Creek and McNeills Mill Creek.

Additional Information - Environmental

This project is within 150 feet of:

- River(s) and Stream(s)
- Flood Hazard Area(s)
- Managed Area(s)
- National Wetlands Area(s)
- Targeted Local Watershed Area(s)
- Protected Area(s)
- Waterbody(ies)

Additional Information - Title VI

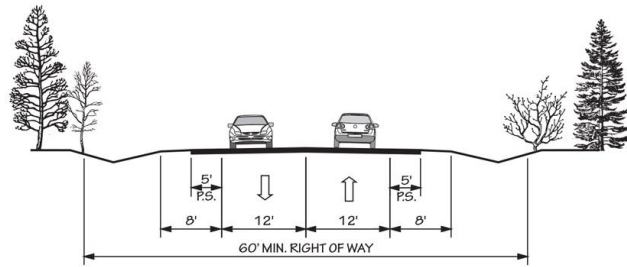
This recommendation passes through one or more Census Blocks with the following characteristics:

- Between 25% and 50% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 5% and 15% identify as Hispanic and Latino
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Asian and Pacific Islander
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Indo-European
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Other
- Between 5% and 15% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American
- Between 15% and 25% identify as Below Poverty Line
- Between 0% and 5% identify as Some Other Race

Typical Section Options:
03 A

TYPICAL SECTION No. 2A

2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 55 MPH

- Between 0% and 5% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car