

NC 210 Widening

From NC 24/ NC 87 to Overhills Rd (SR 1120)

Local ID: H090657-A

Purpose: Congestion

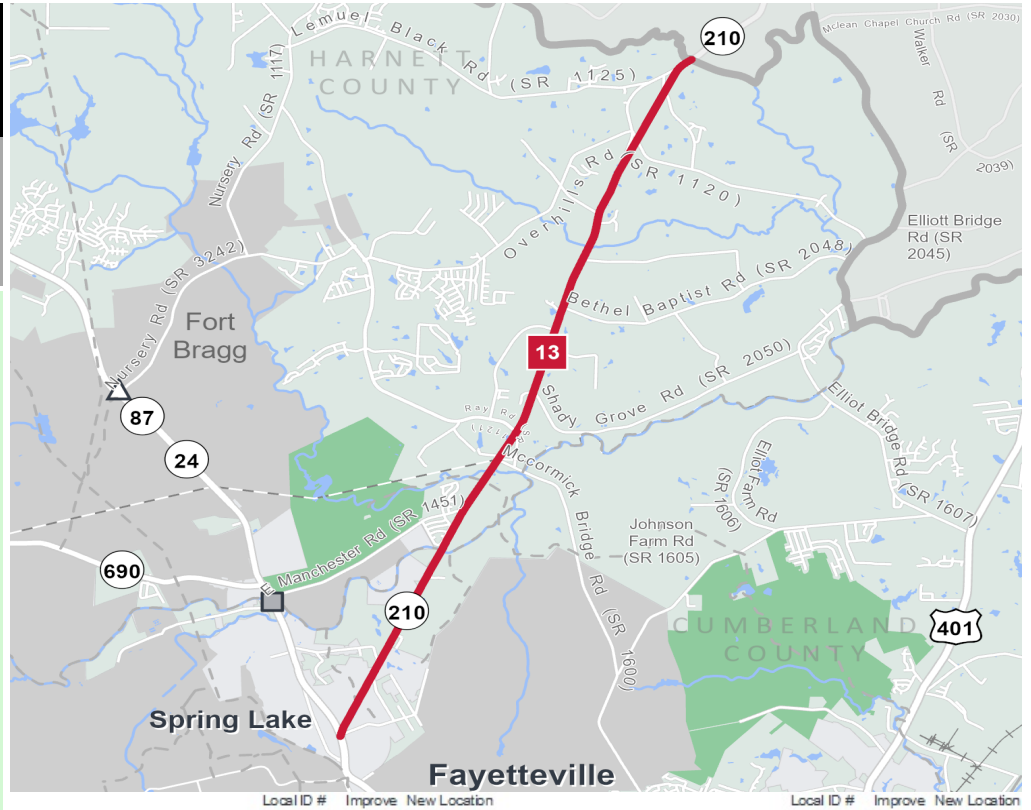
Improvement: Widening

Identified Need

This project, NC 210 From Overhills Road to NC 24/ NC 87, is projected to be near capacity by year 2045. improvements are needed to relieve congestion on the existing facility and accommodate projected traffic volumes such that a minimum of Level of Service (LOS) D can be achieved.

Recommendation

The proposal is to widen from 2 Lane Undivided to 4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks.



Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 B
Section Options	04 I
Length (miles)	9.60
Existing ROW (feet)	60-130
Safety Risk Score	33-89

Proposal Data:	2018 Base Year		2045 Future Year	
	Existing	Without Proposal	With Proposal	
Improved Route	Major Thoroughfare	Major Thoroughfare	Boulevard	
Facility Type	2-lane	2-lane		
Travel Lanes	2	2	4	
Volume (vpd)	9200-23000	11100-29700	12500-31700	
Capacity (vpd)	13200-33300	13200-33300	13200-49000	

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

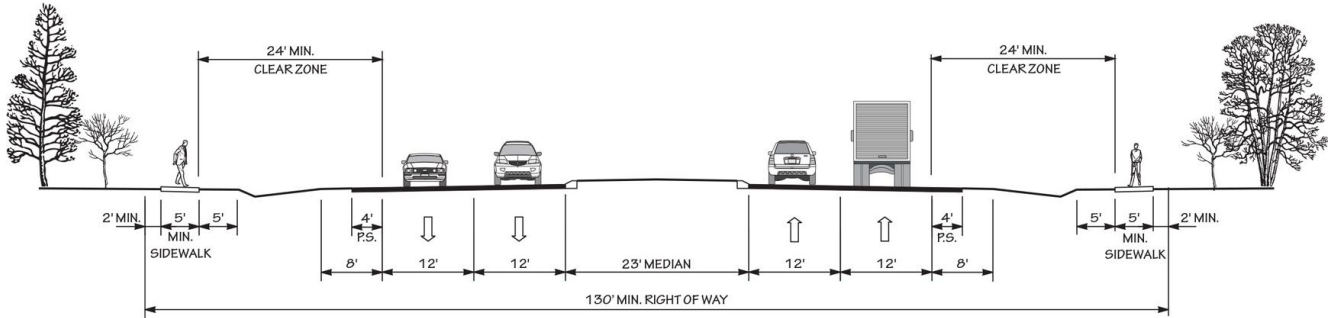


Typical Section Options:

04 I

TYPICAL SECTION No. 4B

4 LANE DIVIDED (23' RAISED MEDIAN) WITH PAVED SHOULDERS AND SIDEWALKS



POSTED SPEED 35-55 MPH

Project History/Linkage to Other Plans

Project history and Linkage to Other Plans

The proposed project is consistent with local and regional development goals and plans, such as the FAMPO 2045 MTP, adopted in 2019. It was also part of NCDOT Spot 5.0

The portion of NC 210 (Lillington Highway) improvements are also included in SPOT 6.0 (H191725).

CTP Goal Analysis

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

H090657-A project received 7 comments during the survey period. Comments indicated the need of roadway improvements related to school parking, median and bicycle lanes. 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.

This project is within 150 feet of:

- Ambient Water Quality Monitoring Site(s)

- Major River(s)
- River(s) and Stream(s)
- River(s) and Stream(s)-NCIR
- Flood Hazard Area(s)
- Land Habitat Indicator Guild(s)
- Managed Area(s)
- National Wetlands Area(s)
- National Heritage Significant Area(s)
- Waterbody(ies)

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

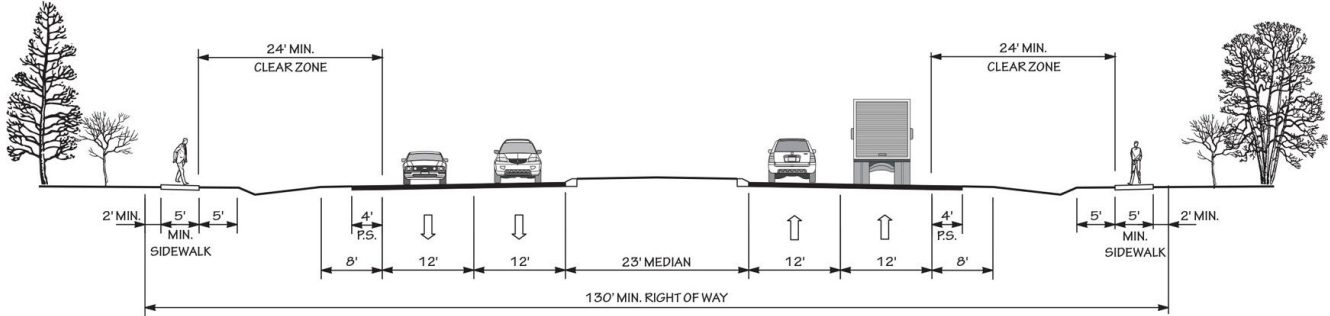
- Between 75% and 100% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian
- Between 2.5% and 10% identify as Hawaiian or Pacific Islander
- Between 25% and 50% identify as Hispanic and Latino
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Asian and Pacific Islander
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Indo-European
- Between 0% and 5% 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

Typical Section Options:

04 I

TYPICAL SECTION No. 4B

4 LANE DIVIDED (23' RAISED MEDIAN) WITH PAVED SHOULDERS AND SIDEWALKS



POSTED SPEED 35-55 MPH

- Between 15% and 25% identify as Below Poverty Line
- Between 15% and 20% identify as Some Other Race
- Between 15% and 20% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car