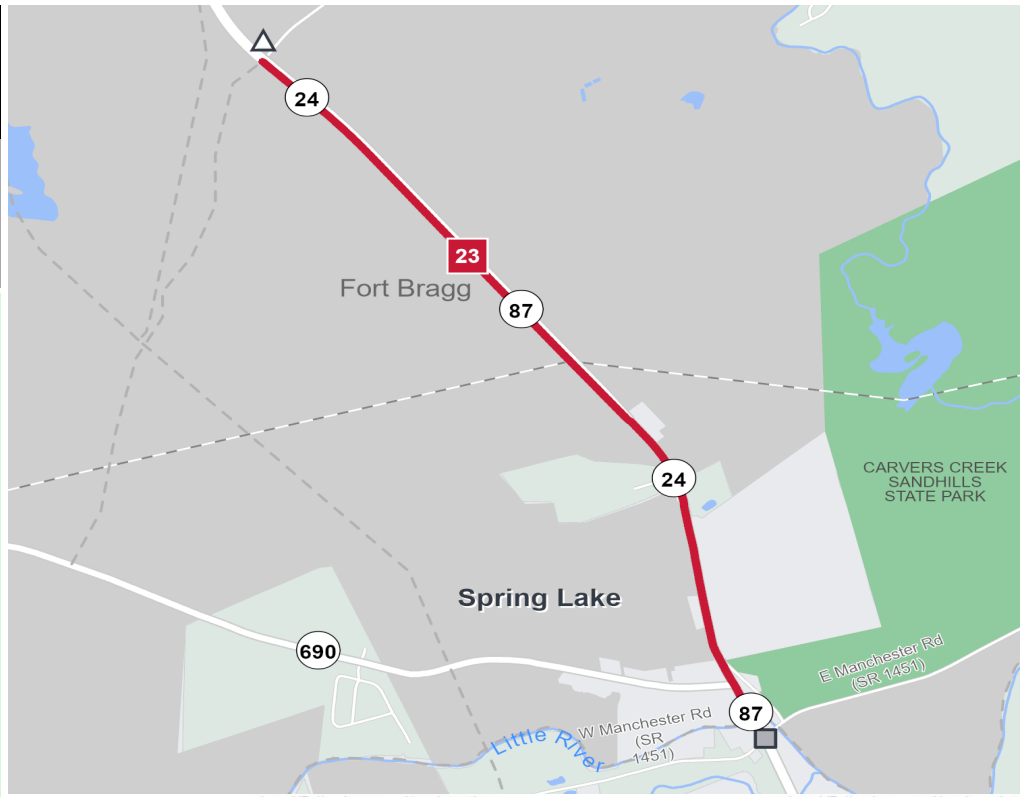


NC 24/ NC 87 Widening
 From SR 1117 (Nursery Road) to SR 1451 (Manchester Road)

Local ID: H150694-B
 Purpose: Congestion
 Improvement: Widening

Identified Need
 NC 24/ NC 87 is projected to be over capacity by year 2045. Improvements are needed to accommodate projected traffic volumes such that LOS D can be achieved.

Recommendation
 The proposal is to widen from 4 Lane with Median - Partial Control to 6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders



Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Expressway
Typical Section	06 A
Section Options	-
Length (miles)	3.20
Existing ROW (feet)	75-150
Safety Risk Score	33-78

Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	2018 Base Year		2045 Future Year	
	Existing	Without Proposal	With Proposal	
Facility Type	Expressway	Expressway	Expressway	
Travel Lanes	4	4	6	
Volume (vpd)	39000-50000	49100-64300	43300-57300	
Capacity (vpd)	29000-33500	29000-33500	71200	

Capacity Data: Year

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

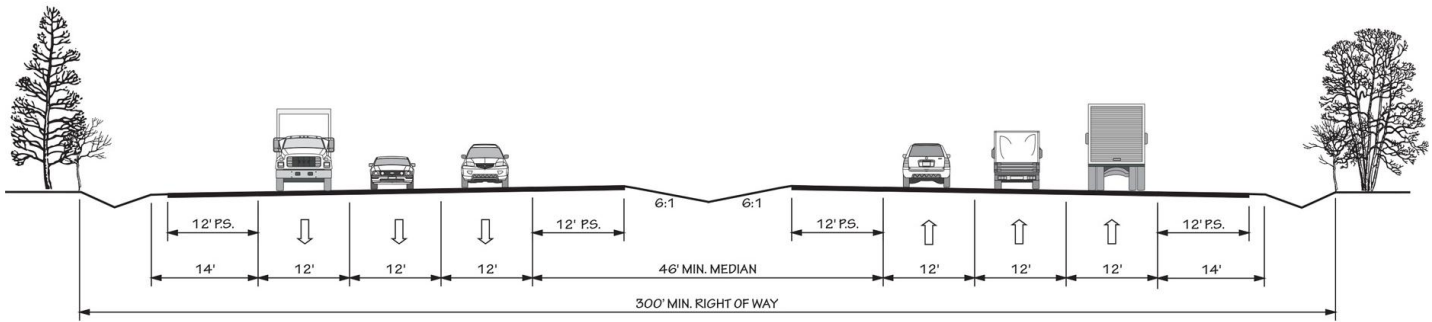


Typical Section Options:

None

TYPICAL SECTION No. 6A

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



POSTED SPEED 45-70 MPH

Project History/Linkage to Other Plans

Linkage to Other Plans The project (H150694-A & H150694-B) are in close proximity to TIP U-5930. U-5930 is an interchange project.

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

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

H150694-B project received one roadway map marker 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.

Potential Impacts

Project R-2529 - Proposed widening of NC 24/NC 27 from Carthage Bypass to NC 87 in Harnett / Moore County is in close proximity to H150694-A project. The feasibility

study can be view [HERE](#)

Additional Information - Environmental

This project is within 150 feet of:

- Hazard Substance Disposal Site(s)
- Major River(s)
- River(s) and Stream(s)
- River(s) and Stream(s)-NCIR
- NC CREWS (North Carolina Coastal Region Evaluation of Wetland Significance) Area(s)
- Flood Hazard Area(s)
- Land Water Conservation Fund Property(ies)
- Land Habitat Indicator Guild(s)
- Managed Area(s)
- National Wetlands Area(s)
- State Park(s)
- Protected Area(s)
- National Heritage Significant Area(s)

Additional Information - Title VI

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

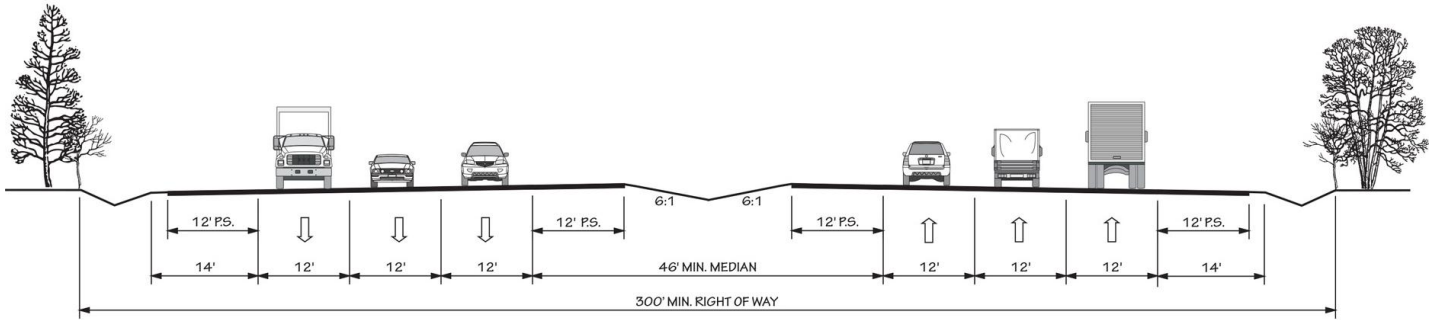
- Between 25% and 50% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 25% and 50% identify as Hispanic and Latino

Typical Section Options:

TYPICAL SECTION No. 6A

None

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



POSTED SPEED 45-70 MPH

- Between 0% and 5% 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 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American
- Between 25% and 50% identify as Below Poverty Line
- Between 10% and 15% 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