

## NC 24 / 27 Widening

From Moore County Line to NC 87

Local ID: R-2529

Purpose: Congestion

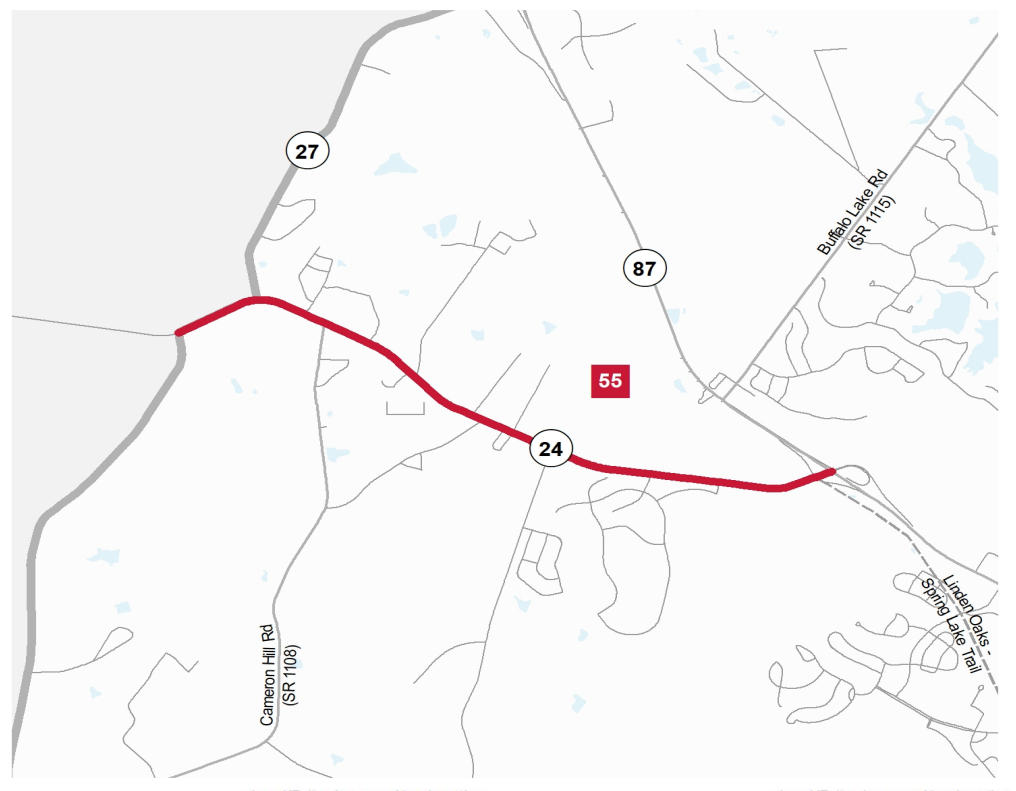
Improvement: Widening

### Identified Need

NC 24/ NC 27 is projected to be over 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

This project, widening of NC 24/ NC 27, to a 4-lane boulevard, is a Statewide Mobility project that assists with congestion and mobility.



### Proposal At A Glance

|                     |                       |
|---------------------|-----------------------|
| Highway Class       | Congestion & Mobility |
| Facility Type       | Boulevard             |
| Typical Section     | 04 A                  |
| Section Options     | -                     |
| Length (miles)      | 3.36                  |
| Existing ROW (feet) | 30-60                 |
| Safety Risk Score   | 44-100                |

### Proposal Data: 2018 Base Year 2045 Future Year

| Improved Route        | Existing                     | Without Proposal             | With Proposal |
|-----------------------|------------------------------|------------------------------|---------------|
| <i>Facility Type</i>  | Major Thoroughfare<br>2-lane | Major Thoroughfare<br>2-lane | Boulevard     |
| <i>Travel Lanes</i>   | 2                            | 2                            | 4             |
| <i>Volume (vpd)</i>   | 9100-11500                   | 14300-16700                  | 14600-17500   |
| <i>Capacity (vpd)</i> | 15100-16400                  | 15100-16400                  | 43300-49000   |

### Capacity Data: Year

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

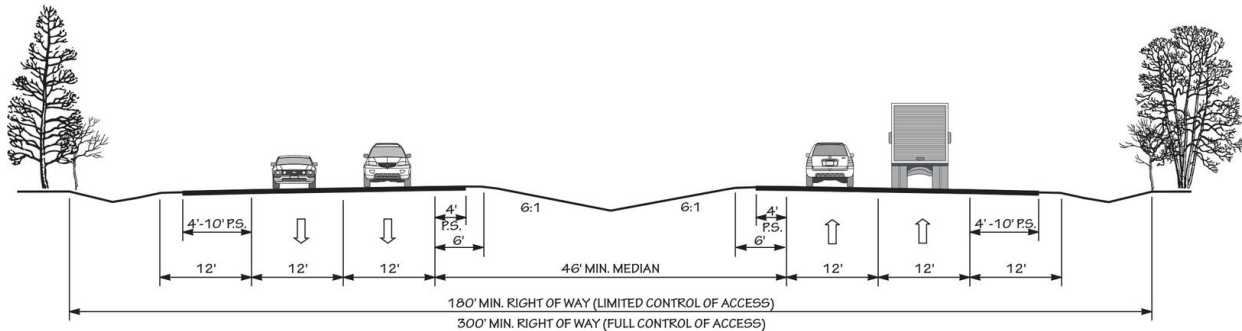


Typical Section Options:

# TYPICAL SECTION No. 4A

None

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



POSTED SPEED 45-70 MPH

### Project History/Linkage to Other Plans

NC 24/ NC 27 is a primary facility traveling east-west through North Carolina connecting Charlotte with Morehead City. It provides connection for commuters from the east and the west, is a direct route to Fort Bragg, Fayetteville and destinations in Moore County. This Project R-2529 (Former STIP Project), is a part of H090115. H090115 was originally submitted in [SPOT 3.0](#) and continues past the county line. It was also part of 2017 Harnett County CTP

### 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

R-2609 project 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.

### Potential Impacts

in 2014 Feasibility Report was developed for this project. It can be viewed [HERE](#)

### Additional Information - Environmental

This project is within 150 feet of:

- National Wetlands Area(s)
- Water Supply Watershed Area(s)
- State Park(s)

### Additional Information - Title VI

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

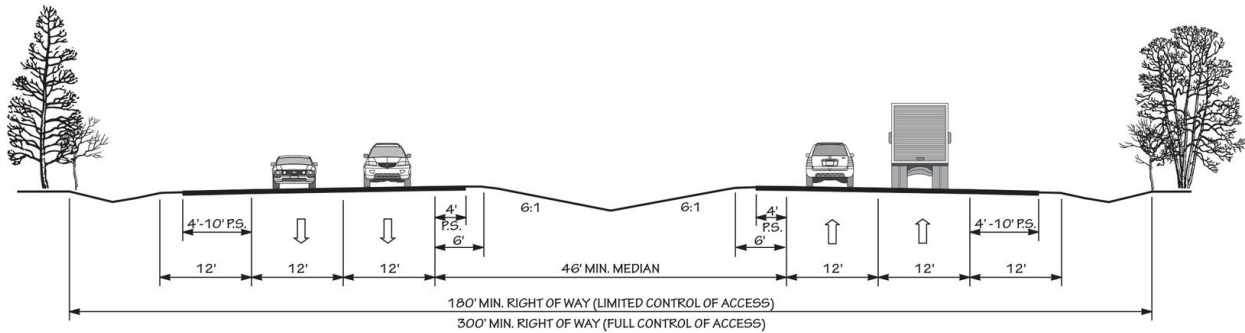
- Between 25% and 50% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 25% and 50% identify as Hispanic and Latino
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (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 5% and 15% identify as Below Poverty Line
- Between 10% and 15% identify as Some Other Race
- Between 5% and 10% identify as Two of More Races

Typical Section Options:

# TYPICAL SECTION No. 4A

None

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



POSTED SPEED 45-70 MPH

- Between 20% and 50% identify as Households with No Car