

### NC 690 (Vass Road) Improvements

From NC 24/ NC 87 to Nursery Road and from Lamont Rd Extension to Moore County Line

Local ID: H191554

Purpose: Facility Deficiencies

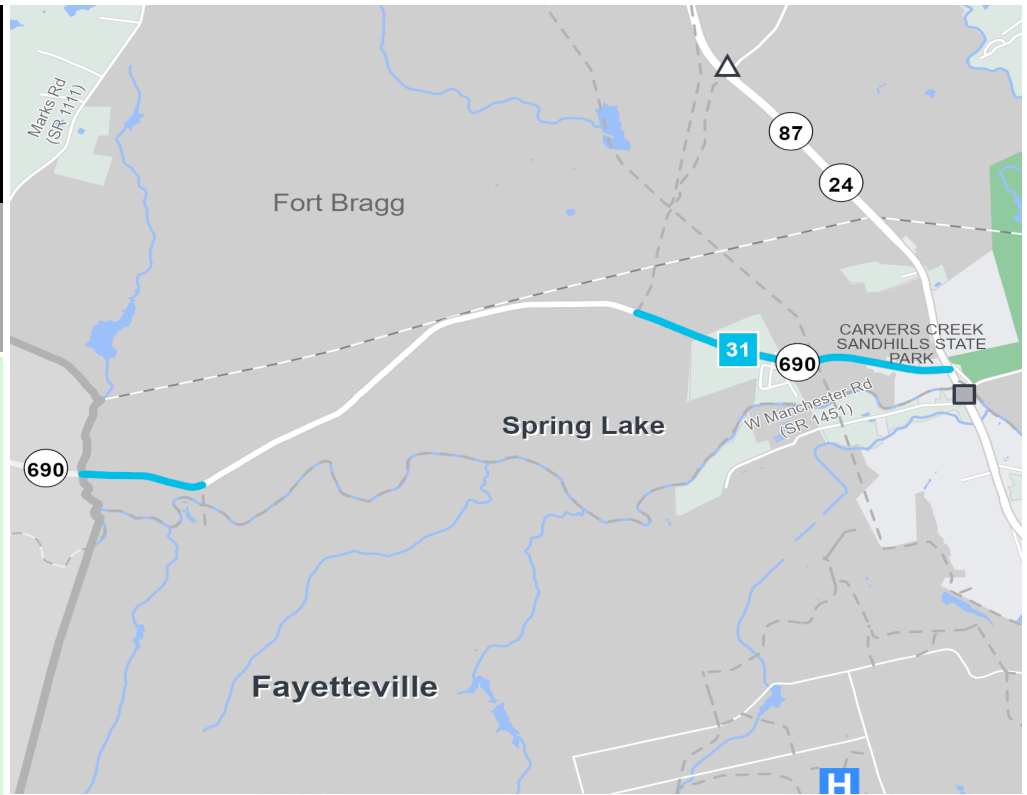
Improvement: Improve Existing

#### Identified Need

This route is not up to current standards and is lacking adequate shoulder and lane width. There is a need to upgrade it to 12 foot lanes with paved shoulders to improve mobility and connectivity.

#### Recommendation

The project connects to the Proposed Spring Lake Western Bypass project and Longstreet Road ACP on Fort Liberty. The project recommendation is to widen to construct turn lanes and paved 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	03 A
Section Options	04 A
Length (miles)	3.20
Existing ROW (feet)	60
Safety Risk Score	89

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

Improved Route	Existing	Without Proposal	With Proposal
<i>Facility Type</i>	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane
<i>Travel Lanes</i>	2	2	2
<i>Volume (vpd)</i>	5000-5100	7400-8000	6400-11100
<i>Capacity (vpd)</i>	13800-16400	13800-16400	14900-17800

### Capacity Data: Year

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

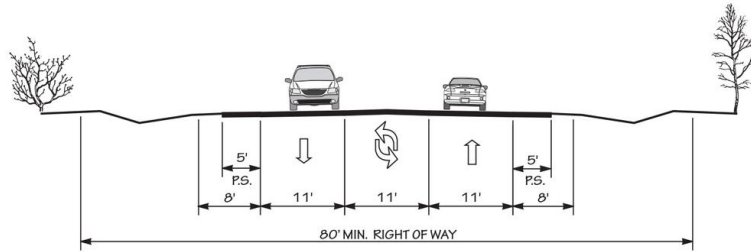


**Typical Section Options:**

04 A

# TYPICAL SECTION No. 3A

2 LANE WITH TWO WAY LEFT TURN LANE, AND PAVED SHOULDERS



POSTED SPEED 25-55 MPH

## Project History/Linkage to Other Plans

### Project history

H191554 - NC 690 (Vass Road) improvements from NC 24/ NC 87 to Nursery Road and from Lamont Rd Extension to Moore County Line, include widening and constructing turn lanes and paved shoulders.

Fort Liberty performed the analysis for diversion of Fort Liberty Access traffic study. As a result of the study Spring Lake Western Bypass project was proposed. This project directly connects to Spring Lake Western Bypass on both ends.

This project is a continuation of STIP Project R-5824 in Moore County and will provide a continuous upgraded travel route beginning east of the US 1 interchange in Moore County to NC 24/NC 87 in Cumberland County.

### Linkage to Other Plans

The proposed project is consistent with local and regional development goals and plans.

This project connects to SPOT6.0 project H193239 - Spring Lake Western Bypass.

## Additional Information - Environmental

This project is within 150 feet of:

- 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)
- Water Supply Watershed Area(s)
- National Heritage Significant 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
- 0% 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
- 0% identify as Some Other Race
- Between 10% and 15% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car