

Spring Lake NC 24/NC 87 Improvements

From NC 210 (Lillington Hwy) to SR 1451 (Manchester Rd)

Local ID: U-5802

Purpose: Congestion

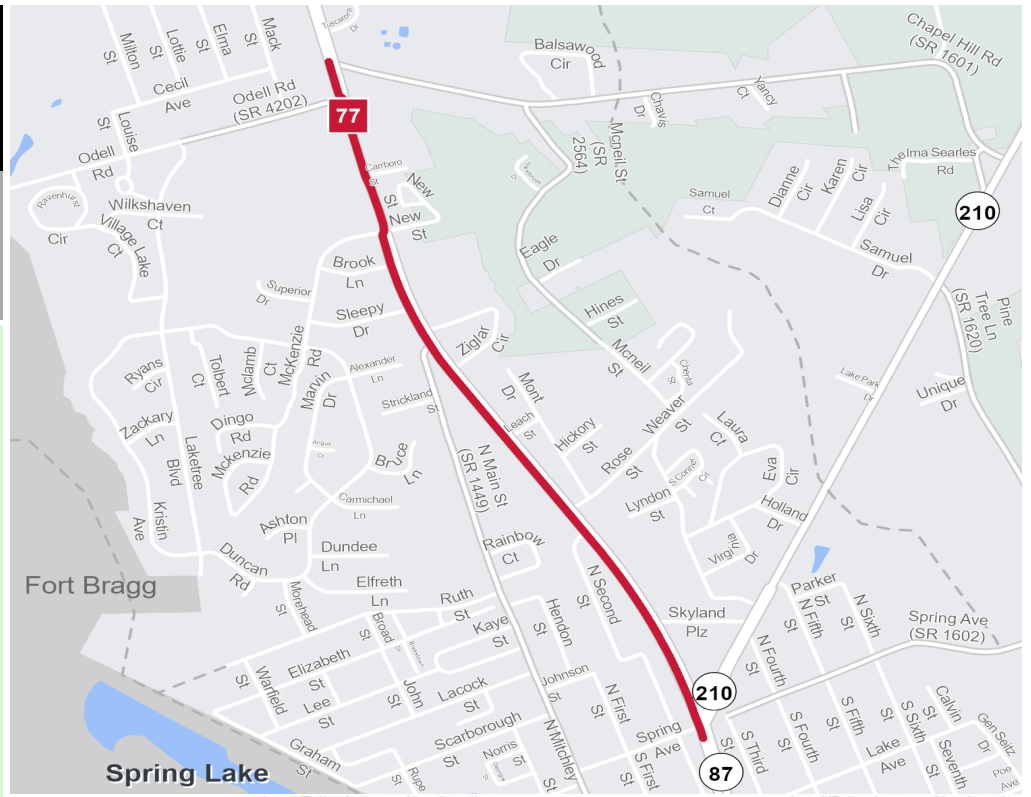
Improvement: Improve Existing

Identified Need

NC 87/NC 24 within Town of Spring Lake is projected to be over capacity by 2045. Improvements are needed to accommodate projected traffic volumes such that a minimum LOS D can be achieved.

Recommendation

The North Carolina Department of Transportation (NCDOT) proposes to improve existing facility by adding access management and other improvements.



Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	06 F
Section Options	-
Length (miles)	1.30
Existing ROW (feet)	67-150
Safety Risk Score	67-89

Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal*	With Proposal
Facility Type	Boulevard	Boulevard	Boulevard
Travel Lanes	4	6	6
Volume (vpd)	43500	43000-43400	39000-40500
Capacity (vpd)	38100-42200	57200	57200

* Volume (vpd) and Capacity (vpd) values listed under Without Proposal column represents Existing and Committed (E+C) scenario.

Capacity Data: Year

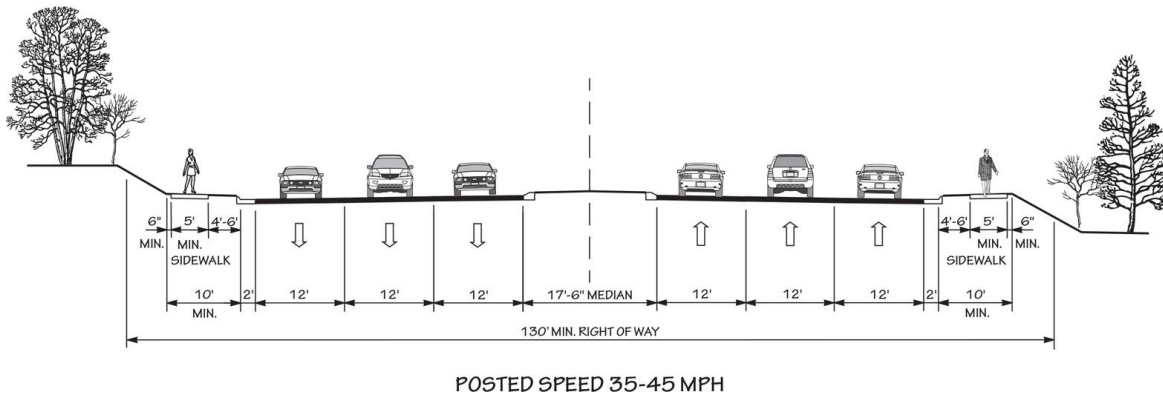
Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-



Typical Section Options:

TYPICAL SECTION No. 6F

None
 6 LANE DIVIDED (17'-6" RAISED MEDIAN) WITH CURB & GUTTER, AND SIDEWALKS



Project History/Linkage to Other Plans

Project history

The Spring Lake Area Detailed Land Use Plan (February 2002) takes a critical look at the Spring Lake area in terms of existing conditions and develops recommendations to enhance the positives, as well as creating an action plan to address the negatives with the resources available to the Town. The recommendations contained in the land use plan are for addressing issues that can be dealt with through comprehensive planning. The primary recommendation with respect to addressing vehicular circulation issues in the Spring Lake area is identified as creating a loop around the NC 24-87 (N. Bragg Boulevard) and NC 210 (Lillington Highway) intersection bottleneck. The land use plan indicates that this issue was first addressed by the proposed Spring Lake Loop in the adopted Fayetteville Metropolitan Area Thoroughfare Plan. The land use plan's recommended transportation plan includes the Spring Lake Bypass as a proposed thoroughfare around the east side of the Town from NC 24-87 (N. Bragg Boulevard) to NC 24-87-210 (Murchison Road).

The 2020-2029 STIP Amendment project proposal is to improve existing facility by adding access management and other improvements.

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

U-5802 project received 2 comments during the survey period. Comments emphasized the need for roadway improvement and to address congestion. 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

2020-2029 State Transportation Improvement Program updated the schedule for the project U-5802: Design-Build Project. Right-of-way acquisition is scheduled to begin in FY 2026.

Additional Information - Environmental

This project is within 150 feet of:

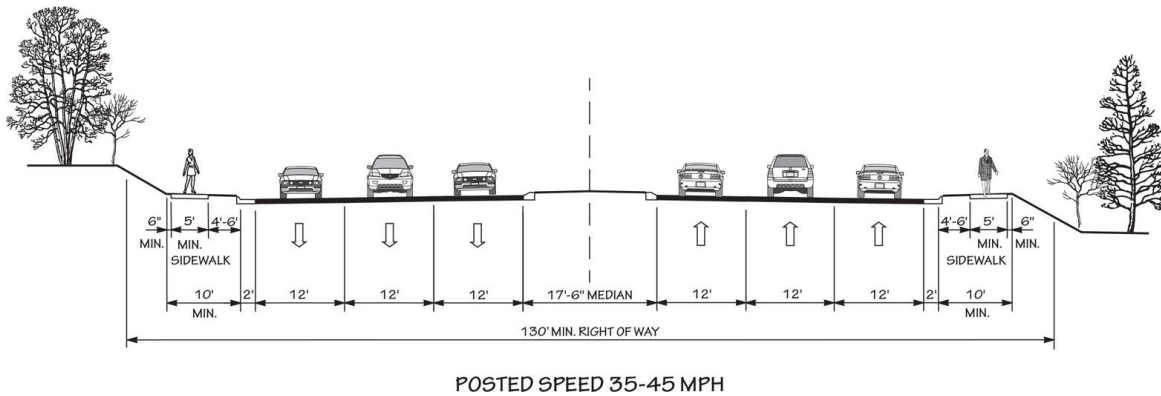
- Hazard Substance Disposal Site(s)
- River(s) and Stream(s)
- NC CREWS (North Carolina Coastal Region Evaluation of Wetland Significance) Area(s)
- Flood Hazard Area(s)
- Land Habitat Indicator Guild(s)
- Managed Area(s)
- National Wetlands Area(s)
- Water Supply Watershed Area(s)
- Targeted Local Watershed Area(s)
- State Park(s)
- National Heritage Significant Area(s)
- Waterbody(ies)

Typical Section Options:

None

TYPICAL SECTION No. 6F

6 LANE DIVIDED (17'-6" RAISED MEDIAN) WITH CURB & GUTTER, AND SIDEWALKS

**Additional Information - Title VI**

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 5% and 15% identify as Asian
- Between 1% and 2.5% 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 5% and 15% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American
- Between 0% and 1% 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