

Fisher Road Improvements

From : SR 1140 (Strickland Bridge Road) to NC 162 (Bingham Drive)

Local ID: U-6073

Purpose: Congestion

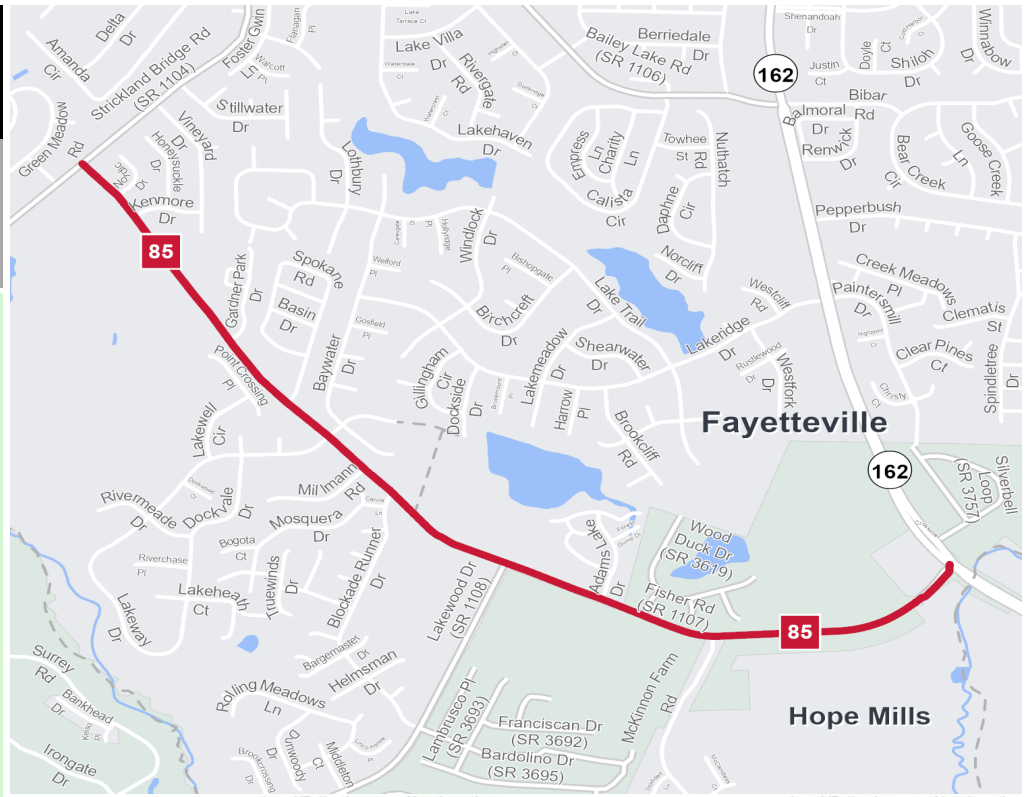
Improvement: Improve Existing

Identified Need

Fisher Rd (SR 1107) is projected to be over capacity by 2045 from Strickland Bridge Rd (SR 1140) to NC 162 (Bingham Dr). Improvements are needed to accommodate projected traffic volumes such that a minimum LOS D can be achieved.

Recommendation

Widen Fisher Road to four lanes divided with bicycle lanes and sidewalks with a four leg roundabout at the Lakewood Drive intersection. The superstreet configuration along the corridor would improve safety conditions by implementing access management & reducing the conflict points.



	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	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 D
Section Options	04 J
Length (miles)	2.10
Existing ROW (feet)	60
Safety Risk Score	67-100

Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal*	With Proposal
Facility Type	Minor Thoroughfare	Boulevard	Boulevard
Travel Lanes	2	4	4
Volume (vpd)	8300-16500	8900-17100	9700-18500
Capacity (vpd)	11900-12700	38100	38100

* 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%)	-

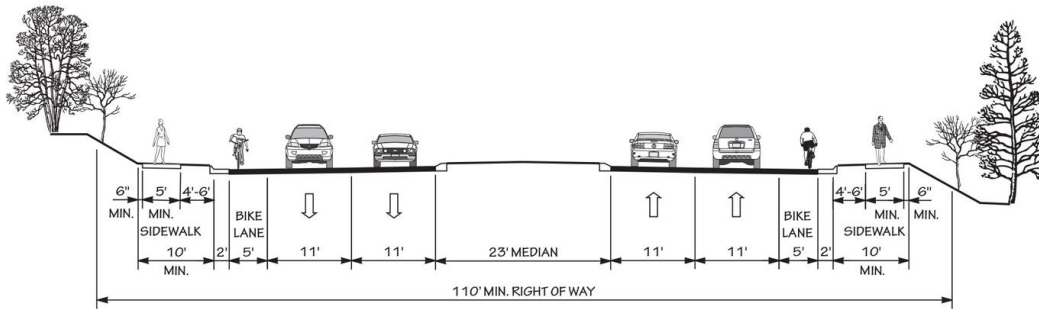


Typical Section Options:

TYPICAL SECTION No. 4D

04 J

4 LANE DIVIDED (23' RAISED MEDIAN) WITH CURB & GUTTER, BIKE LANES, AND SIDEWALKS



POSTED SPEED 35-45 MPH

Project History/Linkage to Other Plans

The North Carolina Department of Transportation (NCDOT) is planning the widening of 2.1 miles of SR 1107 (Fisher Road) from SR 1104 (Strickland Bridge Road) to NC 162 (Bingham Drive/George Owen Road) in Cumberland County. Right of way acquisition and construction are scheduled for state fiscal years 2025 and 2028, respectively. The project is in the approved NCDOT 2020-2029 State Transportation Improvement Program (STIP) designated as U-6073.

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-6073 project received 15 comments during the survey period. Comments indicated the need for bicycle and pedestrian accommodations and need of streetlights. 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

The project U-6073, falls under Type III categorical exclusion action classification. For more information, please refer project webpage [HERE](#)

Other Information

The proposed project will widen 2.1 miles of SR 1107 (Fisher Road) from SR 1104 (Strickland Bridge Road) to NC 162 (Bingham Drive/George Owen Road) in Cumberland County. The proposed design is a four-lane divided curb and gutter roadway with a 23 ft raised median, 12ft inside lanes and 12ft outside lanes which could accommodate future sidewalks if the City desires sidewalks. Roundabout at the intersection of Fisher Road and Lakewood Drive is also proposed. The proposed improvements also include superstreet design elements such as re-routing left turns and through movements coming from side streets to right turns followed by Uturns through the median. The widening will be asymmetrical along Fisher Road. The alignment shifts as needed to avoid environmental resources, homes and utilities throughout the corridor. The project will improve intersections with side streets and implement access control.

H171620 is a SPOT 5.0 Intersection Improvement Project related to U-6073 Project.

Additional Information - Environmental

This project is within 150 feet of:

- River(s) and Stream(s)
- NC CREWS (North Carolina Coastal Region Evaluation of Wetland Significance) Area(s)
- Flood Hazard Area(s)
- National Wetlands Area(s)
- Waterbody(ies)

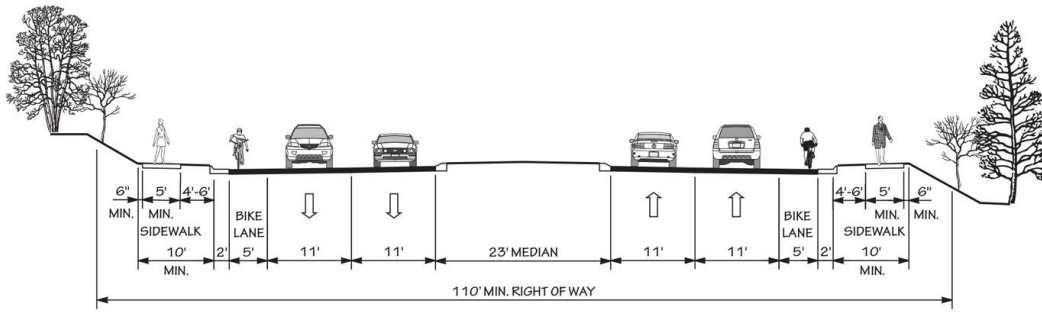
Additional Information - Title VI

Typical Section Options:

TYPICAL SECTION No. 4D

04 J

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POSTED SPEED 35-45 MPH

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 5% and 15% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 5% and 15% 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
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American
- Between 15% and 25% identify as Below Poverty Line
- Between 5% and 10% identify as Some Other Race
- Between 5% and 10% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car