

### Gillis Hill Road Widening

SR 1102 (Gillis Hill Road), US 401 (Raeford Road) to SR 1418 (Lindsay Road) in Cumberland and Hoke Counties

Local ID: U-5798

Purpose: Congestion

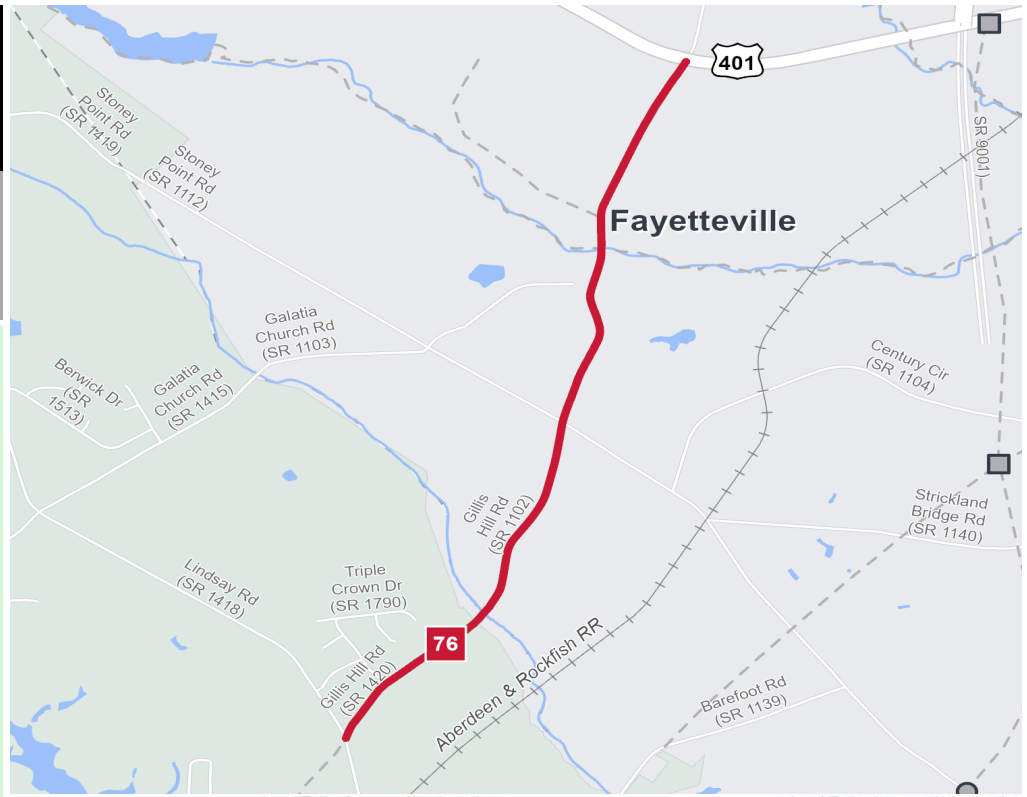
Improvement: Widening

#### Identified Need

Gillis Hill Road (SR 1102) 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 project proposal is to widen Gillis Hill Road to a four-lane, median divided facility. The project will also replace the structurally deficient and functionally obsolete Bridge No. 250075 over Little Rockfish Creek.



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	-
Length (miles)	2.30
Existing ROW (feet)	60-100
Safety Risk Score	56-100

### 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)	7800-15500	10700-18500	9200-25700
Capacity (vpd)	11400-12700	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%)	-

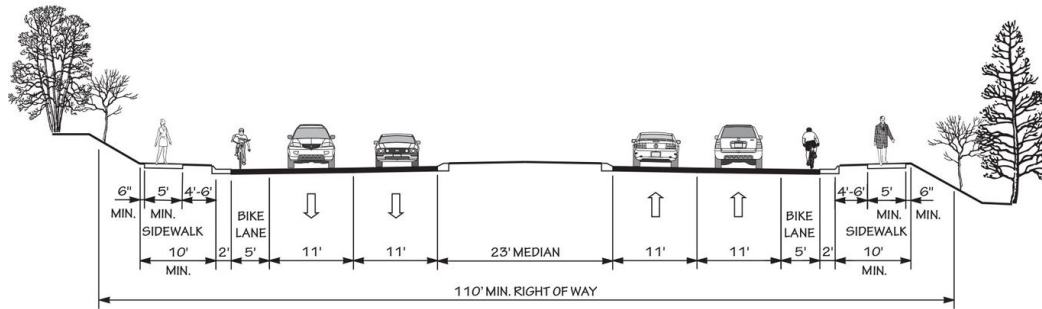


**Typical Section Options:**

None

**TYPICAL SECTION No. 4D**

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 proposed project is included in the approved 2020-2029 North Carolina State Transportation Improvement Program (STIP) with right-of-way acquisition scheduled for Fiscal Year 2020 for Section A and FY 2021 for Section B. Construction is scheduled for FY 2021 for Section A and FY 2025 for Section B.

**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-5798 project received 1 comment recommending traffic signal improvement 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**

Please see Minimum Determination Criteria Checklist from October 22, 2019: [HERE](#)

**Other Information**

U-5798 will be divided into two sections, U-5798A and U-5798B:

- U-5798A - Section A proposes to widen SR 1102 (Gillis Hill Road) to a curb and gutter facility with four 12-foot lanes and a 17.5' raised median from north of SR 1112 (Stoney Point Road) to US 401 (Raeford Road). This section of the project will also include the replacement of the existing Bridge No. 250075 over Little Rockfish Creek. Section A proposes to include 4-foot bike lanes and 5-foot sidewalks on each side of the roadway.
- U-5798B - Section B proposes to widen SR 1102 (Gillis Hills Road) to a curb and gutter facility with four 12-foot lanes and a 17.5' raised median from south of Celtic drive to Sr 1112 (Stoney Point Road). This section will also include replacing the 91" corrugated metal pipe with a reinforced concrete box culvert carrying Stewarts Creek under Gillis Hill Road.

Additional Project Information can be found [HERE](#)

**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)
- National Wetlands Area(s)
- Targeted Local Watershed Area(s)
- Waterbody(ies)

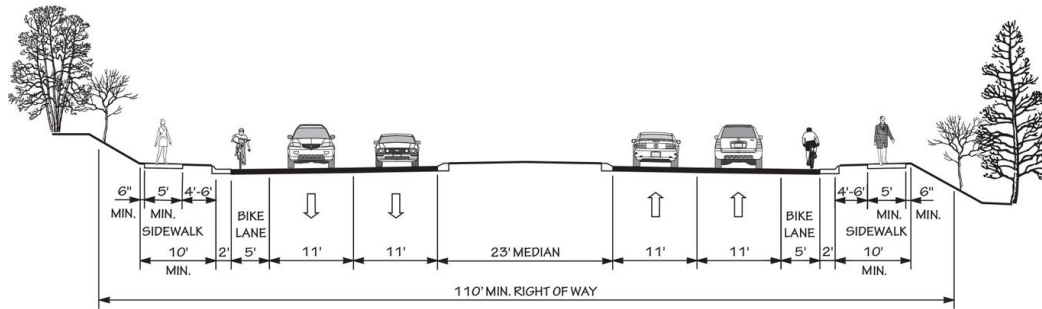
**Additional Information - Title VI**

Typical Section Options:

None

# TYPICAL SECTION No. 4D

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



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 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 15% and 25% 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
- 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 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