

Chicken Foot Rd (SR 2252) Improvements

From I-95 Bus to Clifton Mcneill Rd

Local ID: FAMPO005-H

Purpose: Congestion

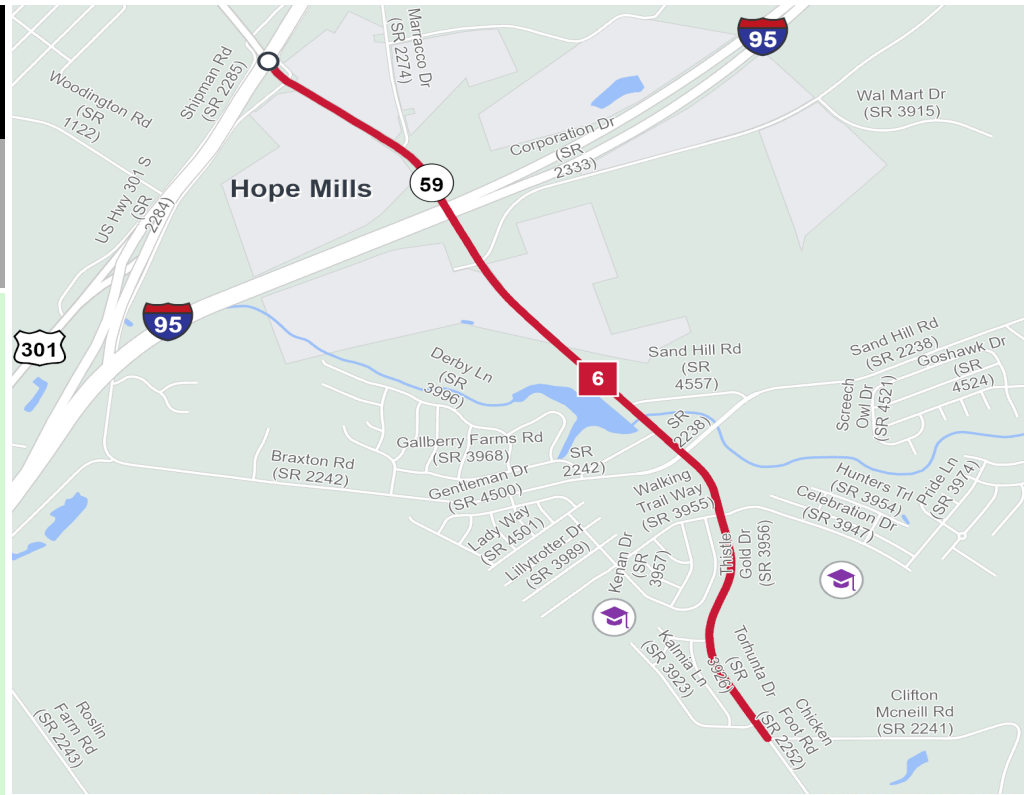
Improvement: Improve Existing

Identified Need

Chicken Foot Rd (SR 2252) in Hope Mills 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

The proposal is to widen from 2-lane undivided to 4-lane divided (23' Raised Median) with Curb & Gutter, and Sidewalks. This shall take into consideration multi-modal travel.



Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 C
Section Options	-
Length (miles)	2.60
Existing ROW (feet)	60-200
Safety Risk Score	67-89

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	Boulevard
<i>Travel Lanes</i>	2	2	4
<i>Volume (vpd)</i>	13500-18500	14200-19800	15500-20500
<i>Capacity (vpd)</i>	12700-15800	12700-15800	38100-43900

Capacity Data: Year

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

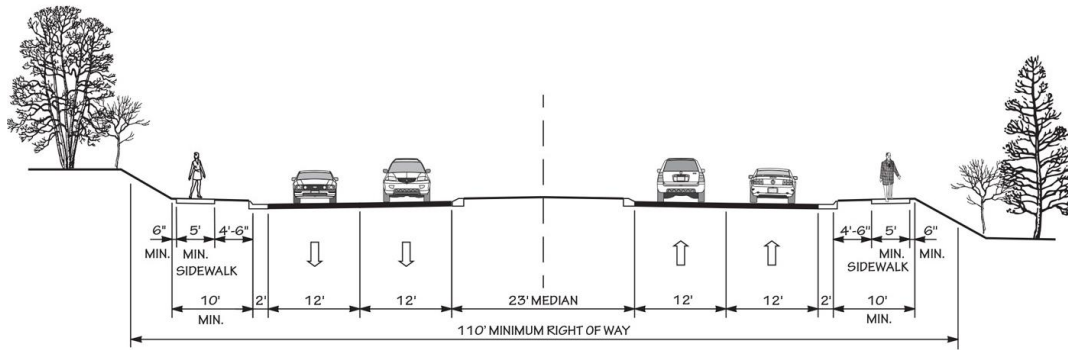


Typical Section Options:

None

TYPICAL SECTION No. 4C

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



POSTED SPEED 35-45 MPH

Project History/Linkage to Other Plans

Chicken Foot Rd (SR 2252) is currently a 2-lane facility with continuous center left turn lane at various parts along the roadway. Additionally, this segment of NC 59 has a speed limit of 45 mph.

W5206U and B-4491STIP projects are in close proximity and directly related to the proposed CTP Project FAMPO005-H.

W5206U project was funded in 2020-2029 STIP. The project was to upgrade grading, paving, drainage, signals and pavement markings for Chicken Foot Rd (SR 2252) at Sandhill Rd (SR 2238). This project was completed in 2021..

B-4491 project was funded in 2020-2029 STIP. The project was to replace the bridge over I-95 Bus/ US 301. This project was completed in 2021

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

FAMPO005-H received 3 comments during the survey period. Comments emphasized the need for bicycle accommodations. 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

It would further improve upon the proposed project U-6001 strengthen the regional connection between Fayetteville and Hope Mills.

FAMPO005-H occurs within a Natural Heritage Element Occurrences zone and crosses Garys Creek.

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)
- National Wetlands Area(s)
- Targeted Local Watershed Area(s)

Additional Information - Title VI

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

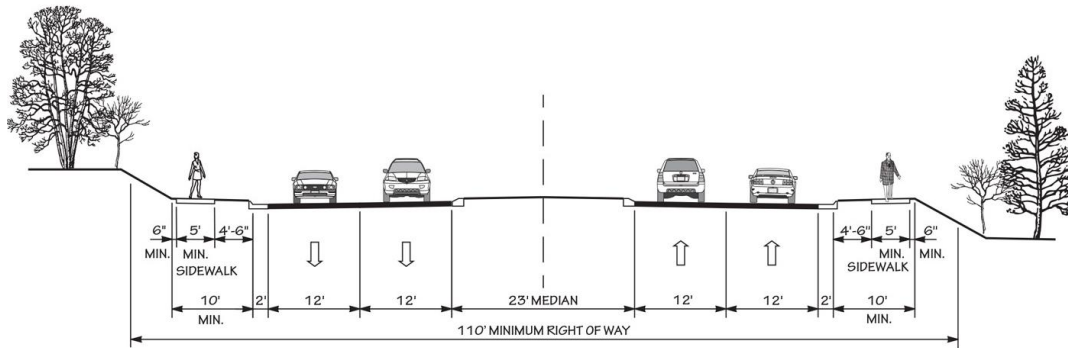
- Between 25% and 50% identify as African American
- Between 0% and 25% identify as 65+
- Between 5% and 15% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 5% and 15% identify as Hispanic and Latino
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Asian and Pacific Islander

Typical Section Options:

None

TYPICAL SECTION No. 4C

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



POSTED SPEED 35-45 MPH

- Between 0% and 5% 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 1% 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