

Shaw Road/ Rosehill Rd-Stacy Weaver improvements

From US 401 (Ramsey Street) to NC 24 (Bragg Boulevard)

Local ID: U-5101

Purpose: Congestion

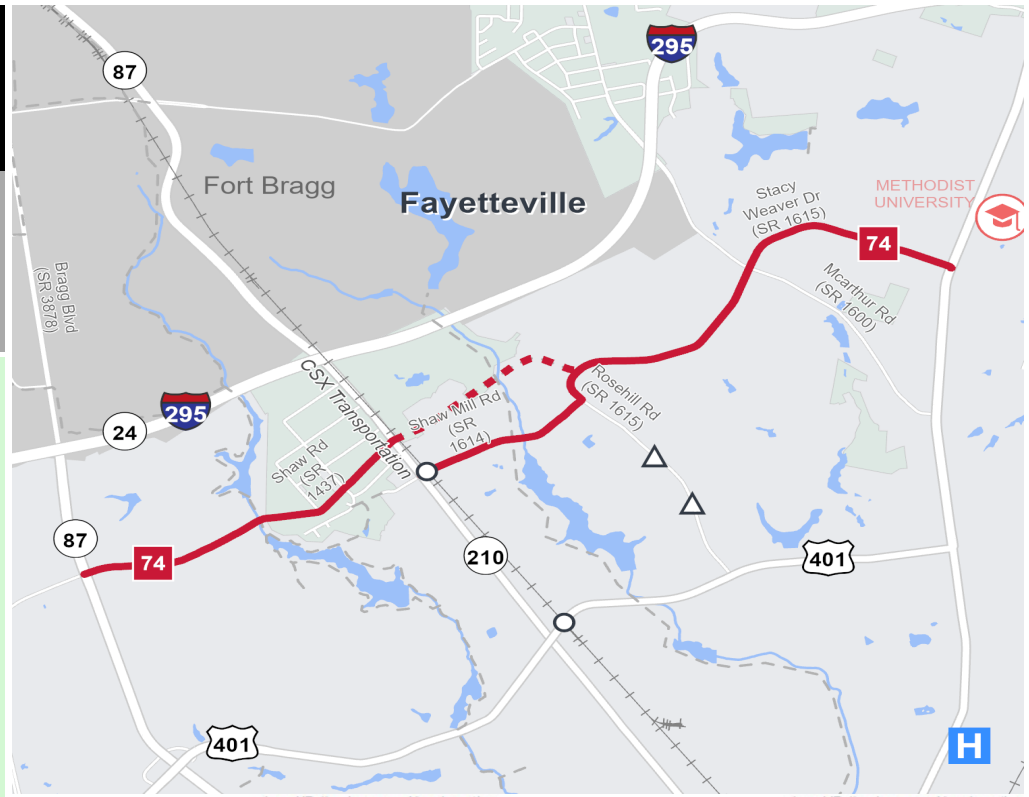
Improvement: New Location (part on existing)

Identified Need

Shaw Road (SR 1437) and Shaw Mill Road (SR 1614) are projected to be near or over capacity by 2045. Improvements are needed to reduce congestion and improve east west connectivity in the area.

Recommendation

The project proposal is to provide a continuous multilane east-west corridor between Bragg Blvd and Ramsey Street. An interchange was proposed at Murchison Road to provide a grade separation with the CSX railroad located just east of Murchison Road.



Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 D
Section Options	04 J
Length (miles)	6.70
Existing ROW (feet)	100
Safety Risk Score	56-100

Proposal Data:	2018 Base Year		2045 Future Year	
	Existing	Without Proposal*	Without Proposal*	With Proposal
Improved Route	Minor Thoroughfare	Boulevard	Boulevard	Boulevard
<i>Facility Type</i>	Minor Thoroughfare	Boulevard	Boulevard	Boulevard
<i>Travel Lanes</i>	2	4	4	4
<i>Volume (vpd)</i>	6200-15000	6700-11400	6700-11400	9000-14500
<i>Capacity (vpd)</i>	10200-14000	10200-38100	10200-38100	28100-38100

New Location	2018 Base Year		2045 Future Year	
	Existing	Without Proposal*	Without Proposal*	With Proposal
<i>Facility Type</i>	-	-	-	Boulevard
<i>Travel Lanes</i>	-	-	-	4
<i>Volume (vpd)</i>	-	-	-	3200
<i>Capacity (vpd)</i>	-	-	-	28100

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

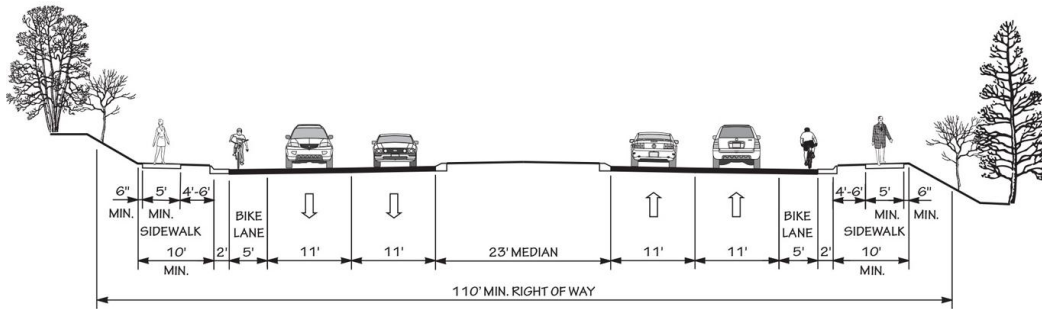
* Volume (vpd) and Capacity (vpd) values listed under Without Proposal column represents Existing and Committed (E+C) scenario.



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 primary purpose of this project is to provide improved traffic operations and safety by providing a continuous multi-lane east-west corridor between Bragg Boulevard and Ramsey Street, along the general alignments of Shaw Road, Rosehill Road and Stacy Weaver Drive. Under one alignment, the interconnection of these facilities is accomplished by an extension of Shaw Road. Under the other alignment, the interconnection of these facilities is accomplished by a realignment of Shaw Road and Rosehill Road. A multi-lane facility is recommended for this corridor because of the projected future traffic volumes. This project is supported by the Fayetteville Urban Area MPO and endorsed by the Mid-Carolina RPO. In the North Carolina Statewide Functional Classification System, Shaw Road and Rosehill Road are designated as minor arterials while Stacy Weaver Drive is designated as a collector. In the 2004 Fayetteville MPO Area and Cumberland County Thoroughfare Plan, all routes are designated as major thoroughfares. As it exists now, this section of Shaw Road, Rosehill Road/Stacy Weaver Drive is primarily a two-lane shoulder section with a pavement width of 28-feet. Additional widening at Bragg Blvd., McArthur Road and Ramsey Street are provided in order to accommodate left turn lanes. The land immediately surrounding the project area at the western end is mostly undeveloped property with some scattered single-family residences including some singlewide trailer homes. The eastern end of the project is predominantly single-family homes with some scattered businesses including grocery stores and gas stations. Also, it should be noted that along the project corridor are two private schools, two public schools, a county library, one recreation center, one fire station and three churches.

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-5101 project received 4 comments during the survey period. Comments indicated the need of roadway improvements along with bicycle and pedestrian 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.

Additional Information - Environmental

This project is within 150 feet of:

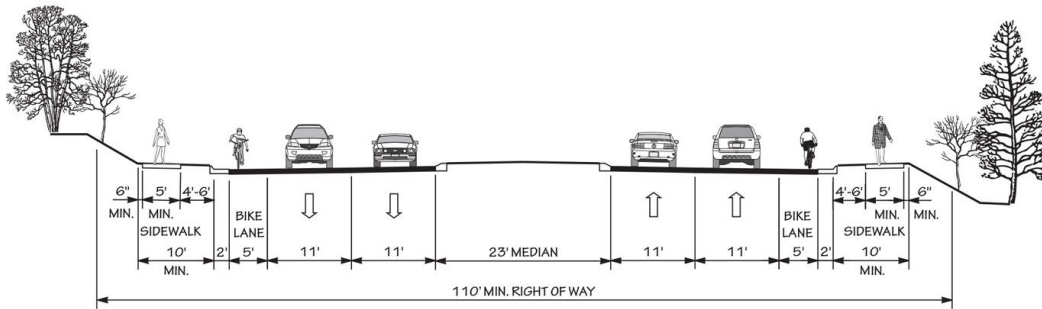
- Hazard Waste Facility
- Mitigation Site(s)
- River(s) and Stream(s)
- NC CREWS (North Carolina Coastal Region Evaluation of Wetland Significance) Area(s)
- Flood Hazard Area(s)
- Hazard Substance Disposal Area(s)
- Land Water Conservation Fund Property(ies)
- Land Habitat Indicator Guild(s)
- Managed Area(s)
- National Wetlands Area(s)

Typical Section Options:

TYPICAL SECTION No. 4D

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POSTED SPEED 35-45 MPH

- Water Supply Watershed Area(s)
- Targeted Local Watershed Area(s)
- Protected 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 75% and 100% identify as African American
- Between 0% and 25% identify as 65+
- Between 5% and 15% identify as Asian
- Between 2.5% and 10% identify as Hawaiian or Pacific Islander
- Between 15% and 25% identify as Hispanic and Latino
- Between 5% and 15% 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 5% and 15% identify as Below Poverty Line
- Between 10% and 15% identify as Some Other Race
- Between 5% and 10% identify as Two of More Races

- Between 20% and 50% identify as Households with No Car