

US 401 Business Widening

From US 401 (Fayetteville Rd) to Oakdale Gin Rd (SR 1403)

Local ID: FAMPO001-H

Purpose: Congestion

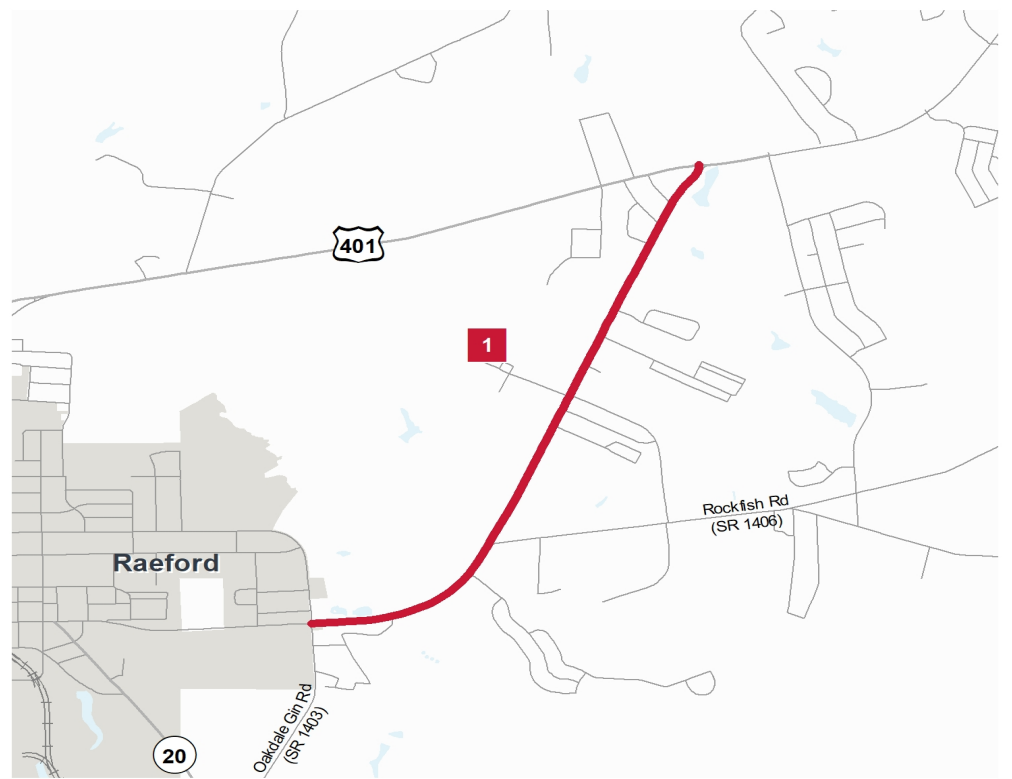
Improvement: Widening

Identified Need

US 401 Business is projected to be near or 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 LOS D can be achieved.

Recommendation

The proposal is to widen from 2-lane undivided to 2-lane with center left turn lane where needed, with curb and gutter and sidewalks.



	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	Major Thoroughfare 2-lane
Typical Section	03 B
Section Options	-
Length (miles)	2.56
Existing ROW (feet)	100
Safety Risk Score	44-100

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	Major Thoroughfare 2-lane
<i>Travel Lanes</i>	2	2	2
<i>Volume (vpd)</i>	7500-11500	10700-13800	10900-14200
<i>Capacity (vpd)</i>	12800	12800	14500

Capacity Data: Year

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

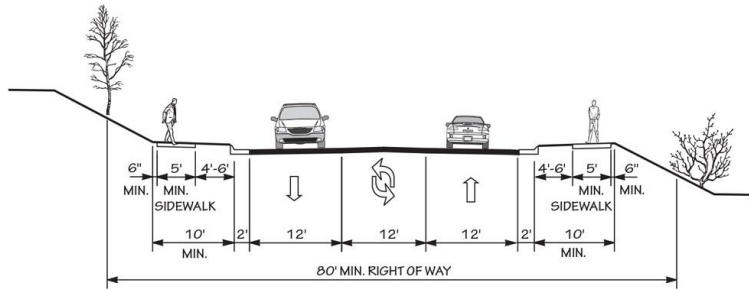


Typical Section Options:

None

TYPICAL SECTION No. 3B

2 LANE WITH TWO WAY LEFT TURN LANE, CURB & GUTTER, AND SIDEWALKS



POSTED SPEED 25-45 MPH

Project History/Linkage to Other Plans

Project history

US 401 Business improvement project was identified for the first time during the development of the Cumberland County / FAMPO CTP. Per input from local and division 8 to minimize business and residential impacts, 3-lane typical cross section was selected. This could include sidewalks to safely connect residents and businesses.

Linkage to Other Plans

The proposed project is consistent with local and regional development goals and plans.

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

FAMPO001-H project received no comments 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

US 401 Business improvements, may strengthen the connectivity in City of Raeford. FAMPO001-H, occurs within a Natural Heritage Element Occurrences zone and crosses over Rockfish Creek.

Additional Information - Environmental

This project is within 150 feet of:

- Major River(s)
- River(s) and Stream(s)
- Flood Hazard Area(s)
- Managed Area(s)
- National Wetlands 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:

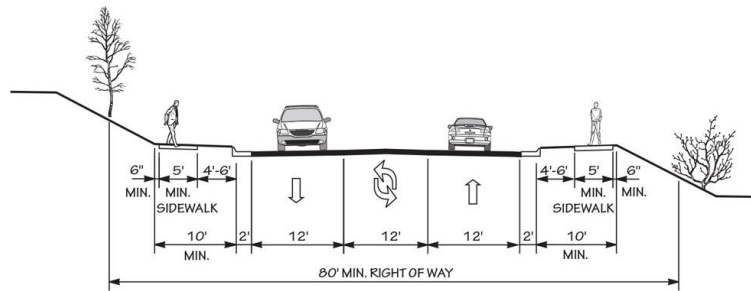
- Between 25% and 50% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 15% and 25% identify as Hispanic and Latino
- 0% identify as Over 18 w/ Limited English Proficiency (LEP)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

Typical Section Options:

None

TYPICAL SECTION No. 3B

2 LANE WITH TWO WAY LEFT TURN LANE, CURB & GUTTER,
AND SIDEWALKS



POSTED SPEED 25-45 MPH

- 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 15% and 25% identify as Below Poverty Line
- Between 15% and 20% 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