

US 401 Improvements

From Club Pond Rd to Turnpike Rd

Local ID: H193055

Purpose: Congestion

Improvement: Improve Existing

Identified Need

US 401 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 upgrade US 401 to a Superstreet facility. This project will connect to the existing superstreet design on US 401 east of the Town of Raeford in Hoke County.



Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 B
Section Options	-
Length (miles)	3.20
Existing ROW (feet)	100-200
Safety Risk Score	67-100

Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	Boulevard	Boulevard
Travel Lanes	2	4	4
Volume (vpd)	8100-15000	10100-31300	9400-30700
Capacity (vpd)	13200-15100	38100-43300	38100-43300

Capacity Data: Year

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

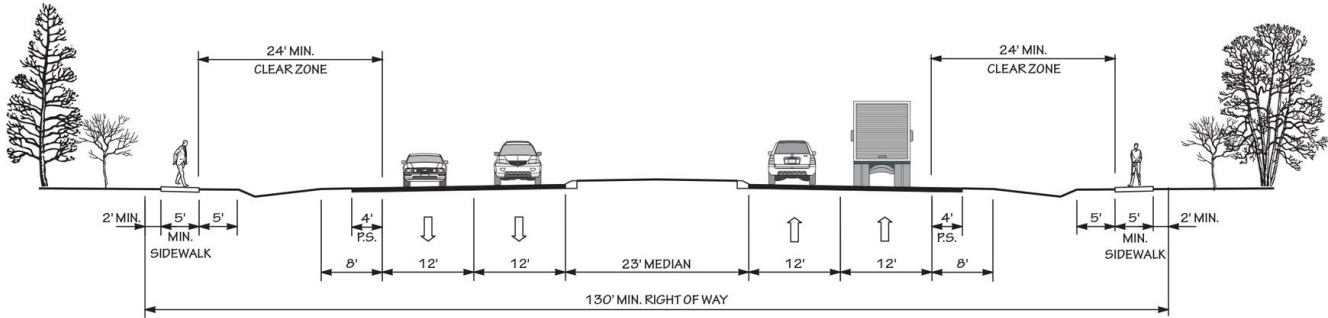


Typical Section Options:

None

TYPICAL SECTION No. 4B

4 LANE DIVIDED (23' RAISED MEDIAN) WITH PAVED SHOULDERS AND SIDEWALKS



POSTED SPEED 35-55 MPH

Project History/Linkage to Other Plans

The proposed project is consistent with local and regional development goals and plans, such as the FAMPO 2045 MTP, adopted in 2019. It was also part of NCDOT SPOT 6.0.

The project proposal is to upgrade US 401 to a Superstreet facility. This project will connect to the existing superstreet design on US 401 east of the Town of Raeford in Hoke County.

There is a project along US 401 that was included in SPOT 6.0 (R-3333). The proposed improvements would increase capacity and enhance regional mobility along the US 401 corridor.

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

H193055 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.

Additional Information - Environmental

This project is within 150 feet of:

- Ambient Water Quality Monitoring Site(s)
- Major River(s)
- River(s) and Stream(s)
- River(s) and Stream(s)-NCIR
- Flood Hazard Area(s)
- National Wetlands Area(s)
- Targeted Local Watershed 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:

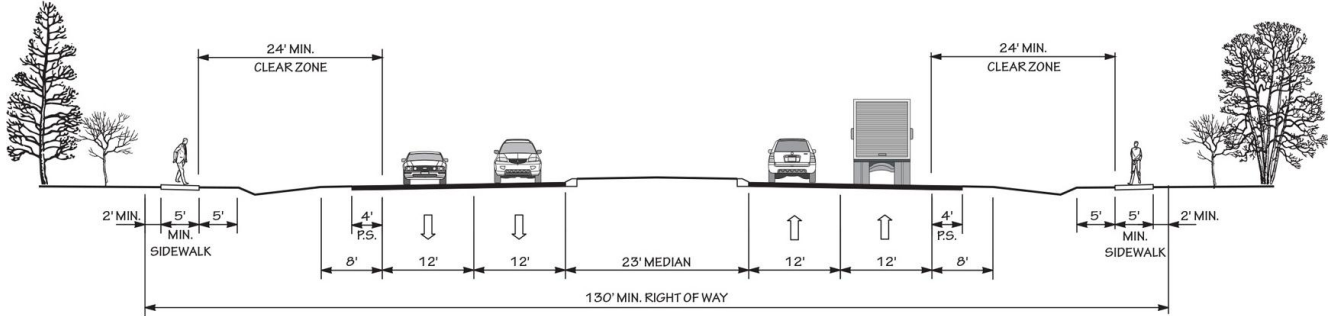
- Between 75% and 100% identify as African American
- Between 25% and 50% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 15% and 25% identify as Hispanic and Latino
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - 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 5% and 15% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American

Typical Section Options:

None

TYPICAL SECTION No. 4B

4 LANE DIVIDED (23' RAISED MEDIAN) WITH PAVED SHOULDERS AND SIDEWALKS



POSTED SPEED 35-55 MPH

- Between 15% and 25% identify as Below Poverty Line
- Between 15% and 20% identify as Some Other Race
- Between 10% and 15% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car