

### US401 Widening

From Multi-Lanes North of Slocumb Road in Cumberland County to NC 217 near Linden

Local ID: R-2609

Purpose: Congestion

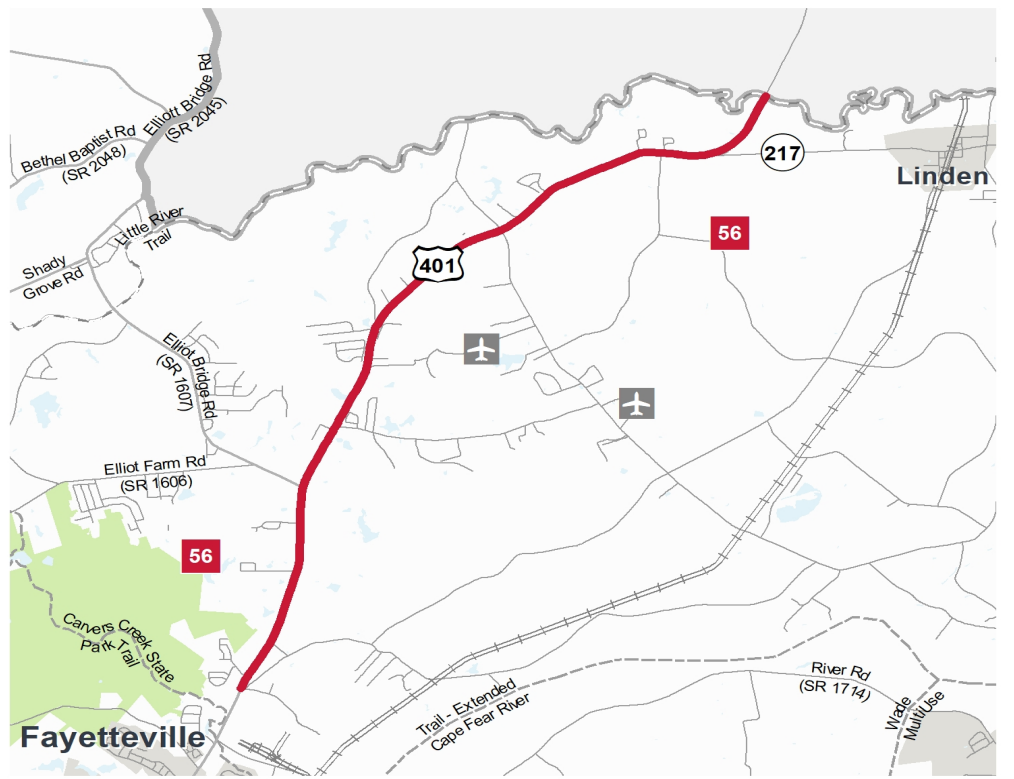
Improvement: Widening

#### Identified Need

Portions of US 401 corridor 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 project proposal is to upgrade US 401 from North of Slocumb Road in Cumberland County to NC 217 near Linden to 4A- 4 lane divided (46' depressed median) with paved shoulder. It is a Regional Impact project that assists with congestion and mobility.



### Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 A
Section Options	04 C
Length (miles)	8.34
Existing ROW (feet)	100
Safety Risk Score	44-100

### Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Boulevard
Travel Lanes	2	2	4
Volume (vpd)	6200-16500	7300-20900	7300-22800
Capacity (vpd)	16400-34500	16400-34500	43900-49000

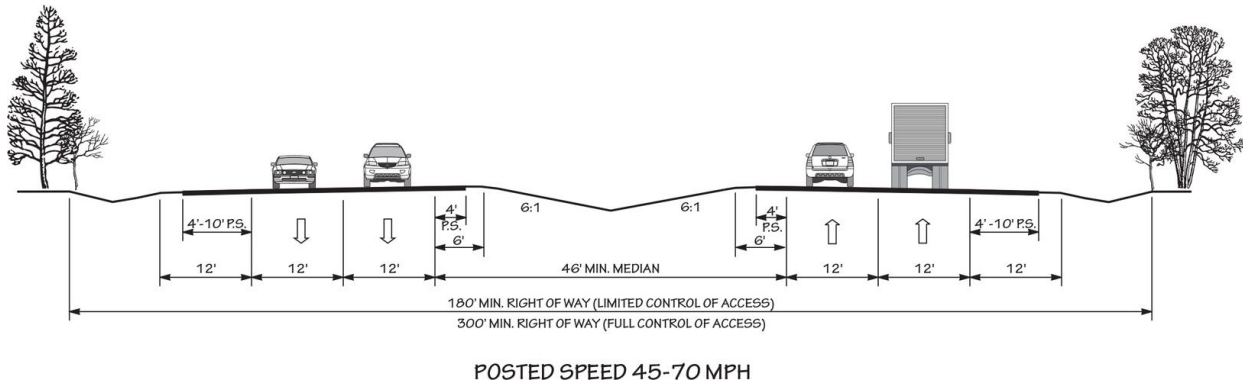
### Capacity Data: Year

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



**Typical Section Options:****TYPICAL SECTION No. 4A**

04 C  
4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS

**Project History/Linkage to Other Plans****Project History**

U.S. 401 is an important link between Fayetteville, Lillington and Raleigh. In recent years, the road has seen an increase in traffic because of growth in the area. Areas under consideration as part of this project include congested sections on U.S. 401, N.C. 55 and N.C. 210. The proposed project extends roughly 39 miles from north of Fayetteville in Cumberland County to north of Fuquay-Varina in Wake County. The purpose of the project is to increase the traffic-carrying capacity, increase safety and reduce travel time along the U.S. 401 Corridor within the project limits.

Forty-four prospective project corridor segments were being considered for detailed study. In late 2011, nine of those corridor segments were eliminated from further study. The selected detailed study corridor segments can be viewed under the maps section at the top of this page.

Preliminary designs and environmental surveys were underway for the detailed study corridors prior to the loss of funding. Prior work performed on the project will be reviewed and might require updating when project studies are restarted in the future.

For more information please visit: <https://www.ncdot.gov/projects/us-401-corridor-study/Pages/default.aspx>.

**In 2020-2029 STIP:**

The US 401 Corridor Study was included in the 2012-2018 North Carolina State Transportation Improvement Program (STIP) as TIP Project R-2609. But based on the results of NCDOT's funding formula, this project was not funded in the 2018-2027 or 2020-2029 State Transportation Improvement Plan.

**Linkage to Other Plans**

Harnett County portion of the project was included in the 2017 Harnett County CTP amendment.

**Multi-modal Considerations****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**

R-2609 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****Natural & Human Environmental Context**

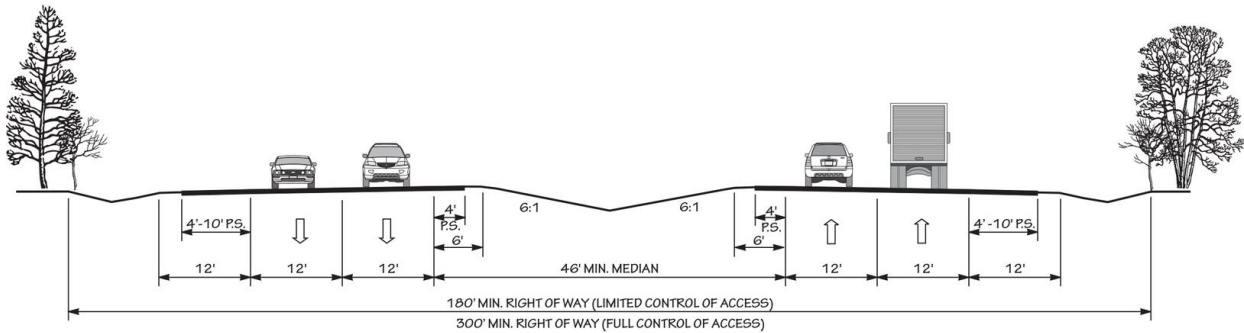
The US 401 Corridor Study is following a process outlined by the National Environmental Policy Act (NEPA). NEPA is a law that requires federally funded projects to consider the environmental effects of their proposals. An environmental document called an Environmental Impact Statement (EIS) will be prepared for this project. For more details please visit <https://www.ncdot.gov/projects/us-401-corridor-study/Pages/project-documents.aspx>

**Relationship to Land Use**

Typical Section Options:

# TYPICAL SECTION No. 4A

04 C  
4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS



POSTED SPEED 45-70 MPH

Cumberland County's North Central Land Development plan includes the Transportation Objective for Town of Linden as "Promote the widening of the US 401 Corridor through the Study Area with a safe semi-controlled design with complementary bike and pedestrian facilities".

[North Central Land Use Plan](#)

Cumberland County's North Central Land Development plan includes "Transportation improvements include upgrading Ramsey Street (US 401) as a major thoroughfare connecting Cumberland County to the Triangle Area. This thoroughfare should be designed for maximum efficiency. These design features would include a divided highway with a landscaped median, limited number of driveways and controlled access points. Prior to the upgrade of Ramsey Street, major intersections should have improvements to include, but not be limited to, throat widening, turning lanes, signalization, cross walks, etc. Additionally, any major development having direct access off the street should be required to install deceleration lanes. These intersections include Bethune Drive/Slocomb Road, Elliot Bridge Road, Palestine Road, Coats Road, East and West Reeves Bridge Road, Giles Road, and Linden Road (NC 217)"

*Other Information*

For more information please visit: <https://www.ncdot.gov/projects/us-401-corridor-study/Pages/default.aspx>

*Additional Information - Environmental*

This project is within 150 feet of:

- Major River(s)
- 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)
- Managed Area(s)
- National Wetlands Area(s)
- Water Supply Watershed Area(s)
- Targeted Local Watershed Area(s)
- National Heritage Significant Area(s)
- Waterbody(ies)

*Additional Information - Title VI*

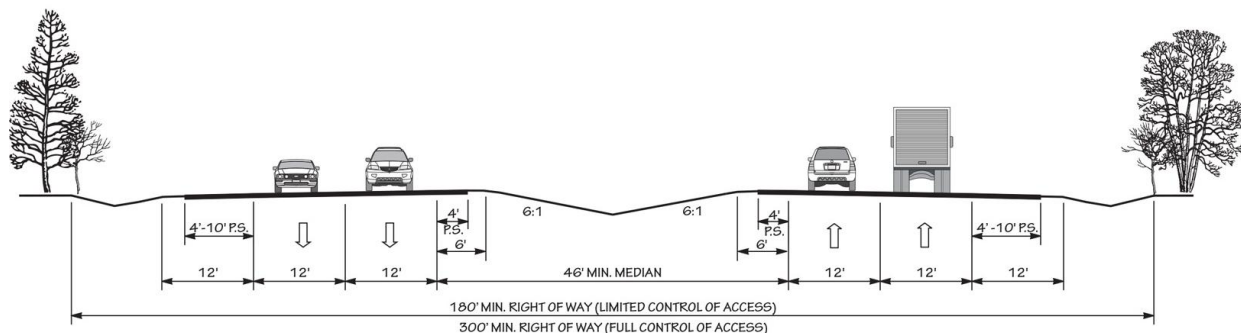
This recommendation passes through one or more Census Blocks with the following characteristics:

- Between 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
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American

Typical Section Options:  
04 C

# TYPICAL SECTION No. 4A

4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS



POSTED SPEED 45-70 MPH

- Between 5% and 15% identify as Below Poverty Line
- Between 0% and 5% 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