

Bunce Rd Widening

From US 401 (Raeford Road) to SR 1400 (Cliffdale Road)

Local ID: U-3424

Purpose: Congestion

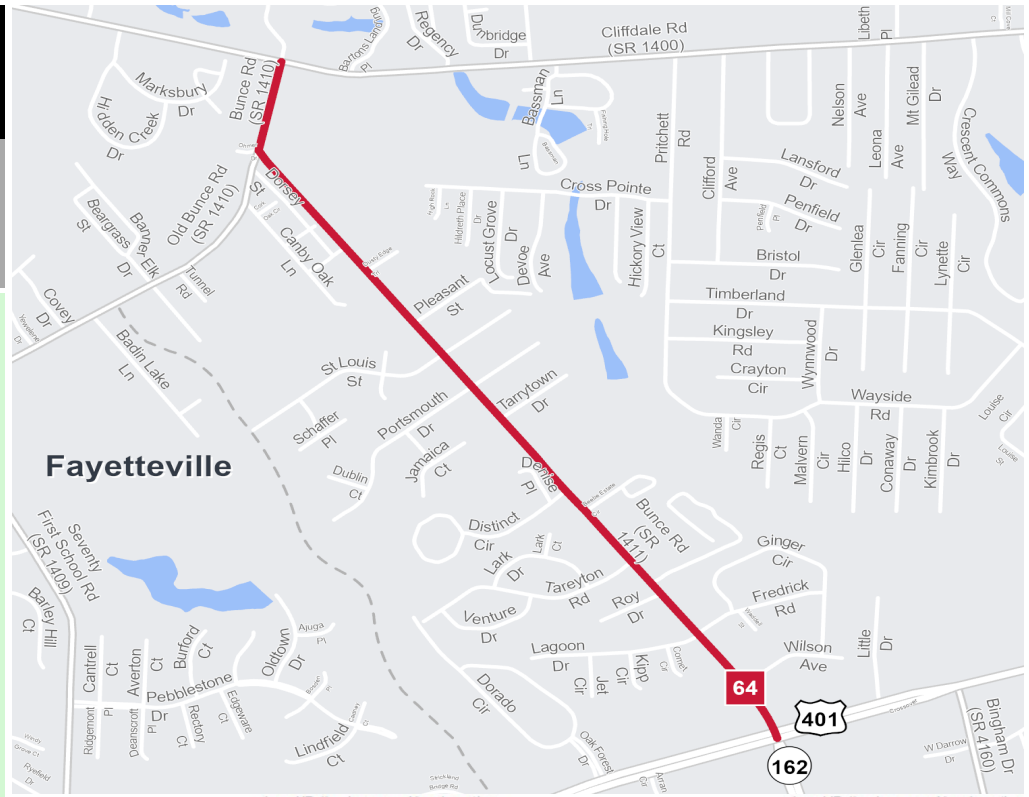
Improvement: Widening

Identified Need

This project, SR 1410 (Bunce Road), SR 1411 From US 401 (Raeford Road) to SR 1400 (Cliffdale Road), is projected to be over capacity by year 2045. Improvements are needed to accommodate projected traffic volumes such that LOS D can be achieved.

Recommendation

The project proposal is to widen SR 1410 & SR 1411 (Bunce Road) from SR 1400 (Cliffdale Road) to US 401 (Raeford Road), in Fayetteville. The widening will convert Bunce Road from its current two-lane configuration to a four-lane, median-divided facility.



Proposal At A Glance

Highway Class	Congestion & Mobility
Facility Type	Boulevard
Typical Section	04 C
Section Options	-
Length (miles)	1.40
Existing ROW (feet)	60-120
Safety Risk Score	44-100

Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Minor Thoroughfare	Minor Thoroughfare	Boulevard
Travel Lanes	2	2	4
Volume (vpd)	12000-13000	11700-12400	13200-14000
Capacity (vpd)	10200	10200	28100

Capacity Data: Year

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

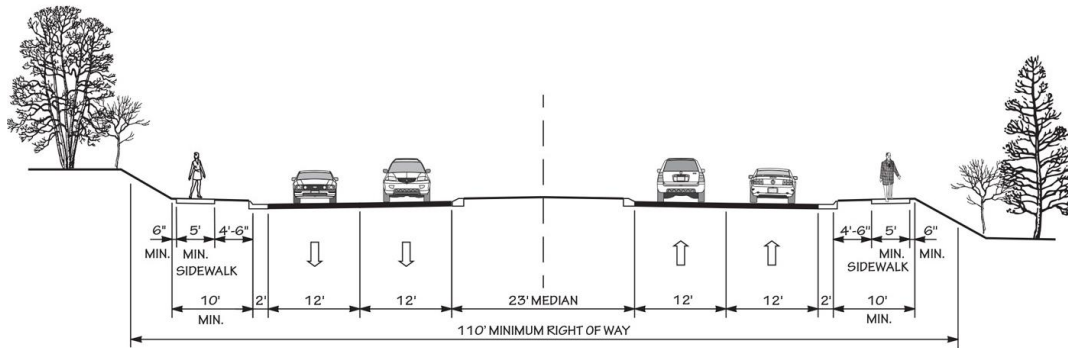


Typical Section Options:

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

The proposed facility will have 12ft travel lanes and 23 ft raised concrete median. The project will also include the construction of 5-foot sidewalks on both sides of Bunce Road between Cliffdale Road and Raeford Road. The proposed project also proposes minor improvements along Cliffdale Road at its intersection with Bunce Road. These improvements will be limited to the addition of a second left-turn lane, to accommodate left-turns from westbound Cliffdale Road to Bunce Road, and the installation of concrete monolithic islands. The improvements will require minor widening of Cliffdale Road to accommodate these improvements. The total length of the proposed project is 1.3 miles

Linkage to Other Plans

The proposed project is consistent with local and regional development goals and plans, such as the FAMPO 2035 Long Range Transportation Plan Update (2009). Project U-3424 was identified as Priority One project.

CTP Goal Analysis

Vision, Goals, & Objectives

The need for the proposed project results from anticipated traffic growth that is expected to occur on the Bunce Road corridor. Bunce Road is the northern link in a corridor connecting residential areas south of US 401 and in the Hope Mills vicinity with Cliffdale Road and commercial areas within its vicinity. Bunce Road also provides a needed link between Bingham Drive and Reilly Road, via Cliffdale Road, which provides access to the northeast portion of Cumberland County and to the Fort Liberty Military Base. The proposed project will also address safety concerns along the Bunce Road corridor, where current crash rates exceed the statewide crash rates and critical crash rates in all categories except the fatal category.

Goals & Objectives Survey

U-3424 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

Environmental Documents were signed as Categorical Exclusion in December 2014

Relationship to Land Use

The proposed project is located within the City of Fayetteville city limits. The Bunce Road corridor is primarily zoned as a residential district; however, properties at the intersection with Cliffdale Road and Raeford Road are zoned as commercial properties.

Other Information

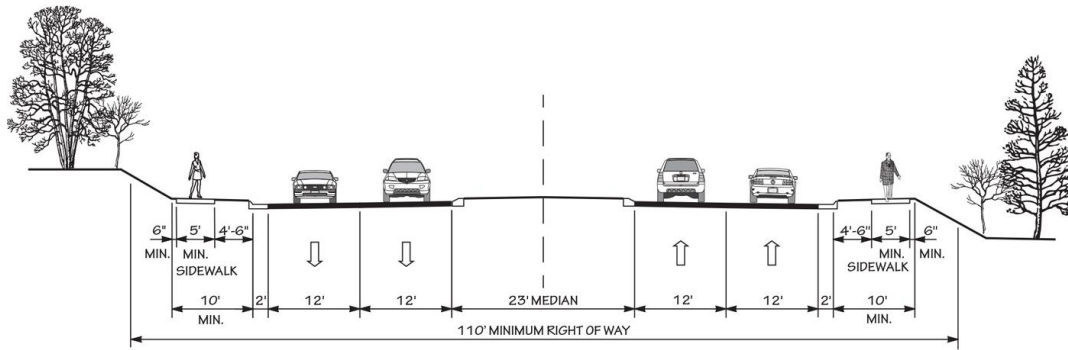
The proposed improvements to Bunce Road will improve the traffic carrying capacity of this roadway. The proposed widening will create a more efficient north-south travel route between Bingham Drive and Reilly Road, via Bunce and Cliffdale Roads. Widening should help with congestion issues that have been causal in the rear end crashes along this roadway. The proposed inclusion of a raised grass median will help to limit left turning conflict points. The addition of sidewalks along each side of Bunce Road will also provide a safer, user friendly facility for pedestrian traffic. The City of Fayetteville is considering developing the site of the former Oaks Trailer Park near the intersection of Bunce Road and Old Bunce Road into a single family low-income housing development with approximately 50 units. If developed, City planning staff indicates that a sidewalk and a bus stop pad for bench and possible

Typical Section Options:

None

TYPICAL SECTION No. 4C

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shelter would be required at the existing bus stop location near that site. Access points to the development would be from Old Bunce Road and Bunce Road. The widening of Bunce Road from a two-lane undivided facility to a four-lane divided facility will have visual changes for this corridor. The right of way will nearly double in width, from approximately 60 feet to 110 feet. The character of the resulting road will be of an urban thoroughfare rather than a minor thoroughfare or neighborhood collector.

Additional Information - Environmental

This project is within 150 feet of:

- NC CREWS (North Carolina Coastal Region Evaluation of Wetland Significance) Area(s)

Additional Information - Title VI

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

- Between 50% and 75% 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
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish

- Between 0% and 15% identify as Native American
- Between 25% and 50% 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