



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090172-A

Mode: Highway

Status: Submitted

US-401 (Ramsey Street)

From/Cross Street: Multi-Lanes North of Fayetteville in Cumberland County

Specific Improvement Type: 1 - Widen Existing Roadway

To: Lillington Bypass

Project Category: Regional Impact

Length: 15.58

TIP#: R-2609

Fully Funded in Draft STIP? No

Cost to NCDOT: \$127,544,000

Description:

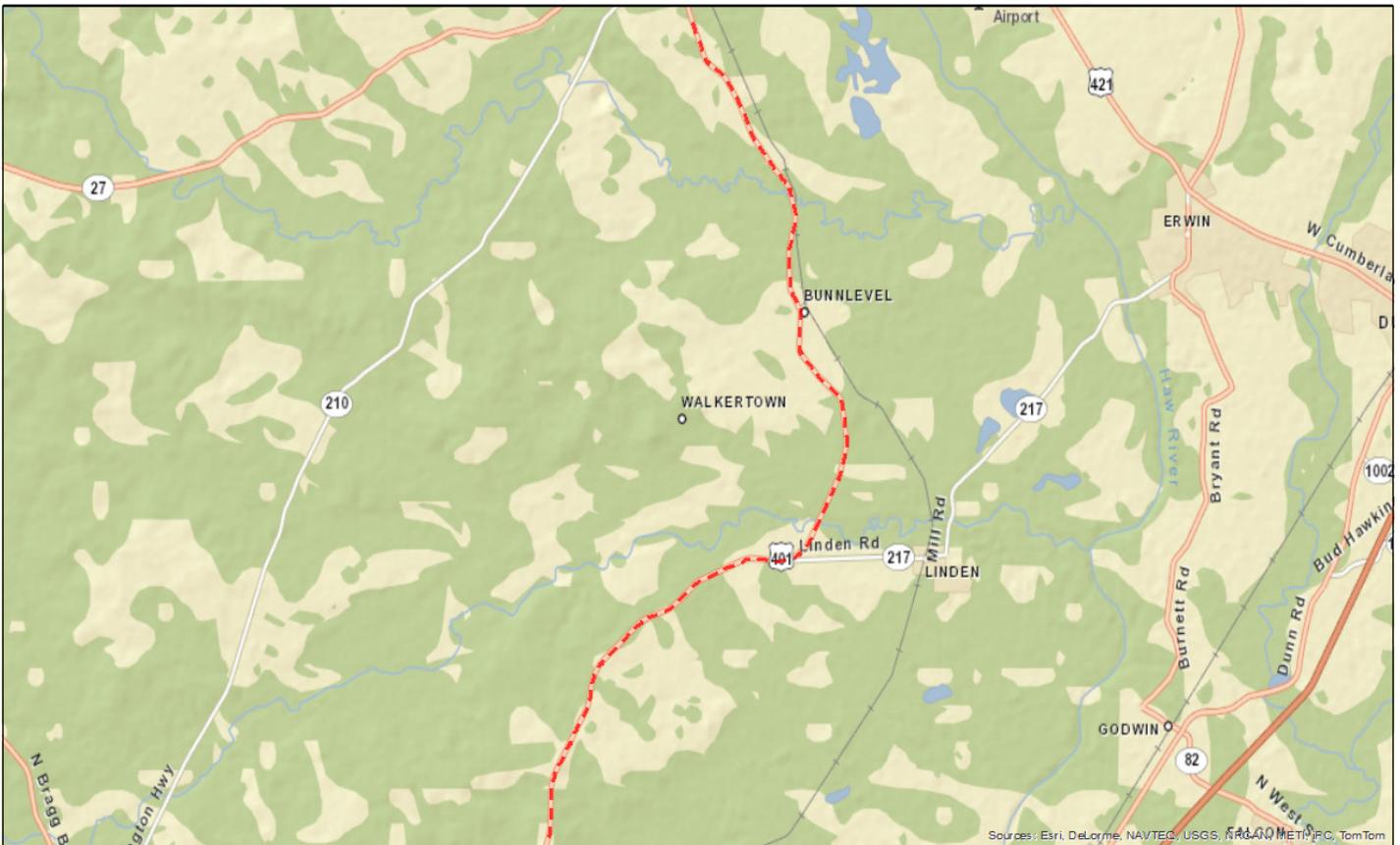
Widen to Multi-Lanes

Division(s): Division 6

County(s): HARNETT, CUMBERLAND

MPOS(s)/RPO(s): Mid-Carolina RPO, Fayetteville Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) 34.76	Percent: 15% Points:	Percent: 15% Points:
Congestion (V/C) (25%) 26.84		
Safety (10%) 59.27		
[Travel Time] Benefit/Cost (25%) 0.07		
Totals: Weight: 70% Weighted Score: 16.13		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 26.84	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 59.27		
[Travel Time] Benefit/Cost (20%) 0.07		
Totals: Weight: 50% Weighted Score: 11.31		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	15.58
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	6283.39
Capacity:	15500.07
Volume/Capacity Ratio:	0.41
% Autos:	93%
% Trucks:	7%
Truck Volume:	422.76
Crash Density:	68.52
Crash Severity:	62.46
Critical Crash Rate:	46.83
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	29
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	94
Actual Congested Speed:	50.79
Travel Time Index:	1.08

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	15.58
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	416473.47
Travel Time Savings for 30 Years (Autos):	388452.45
Travel Time Savings for 30 Years (Trucks):	28021.02
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Mid-Carolina RPO	95%	0	0
Fayetteville Area MPO	5%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$88,948,000	Cost Estimation Tool
Right-of-Way Cost:	\$34,461,000	Cost Estimation Tool
Utilities Cost:	\$4,135,000	Cost Estimation Tool
Total Project Cost:	\$127,544,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$127,544,000	