



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090159

Mode: Highway

Status: Submitted

NC-211

From/Cross Street: US 15/501 in Aberdeen

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1244 in Raeford

Project Category: Regional Impact

Length: 15.36

TIP#: R-2592

Fully Funded in Draft STIP? No

Cost to NCDOT: \$141,716,000

Description:

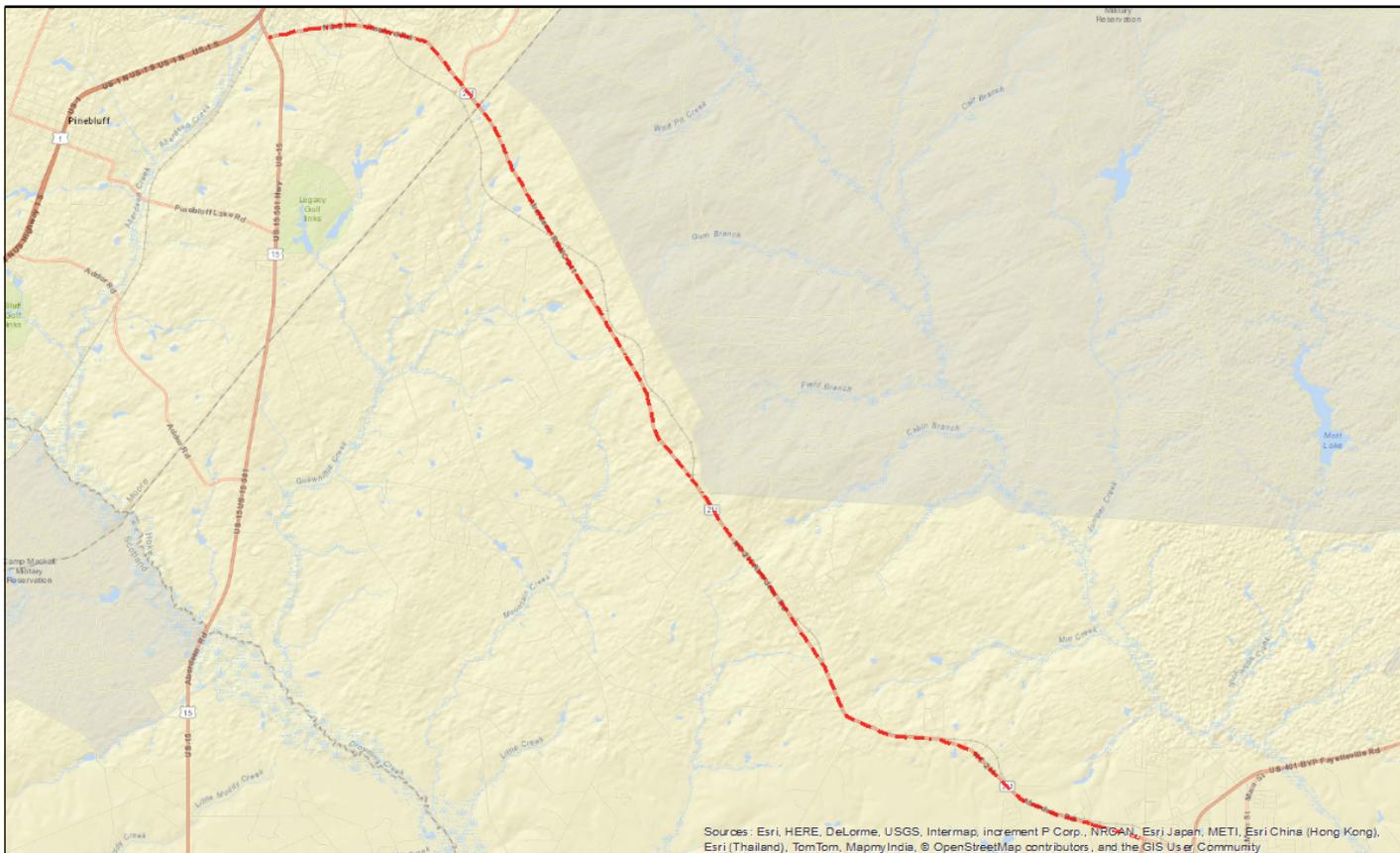
US 15/501 in Aberdeen to SR 1244 in Raeford. Widen to Multi-Lanes.

Division(s): Division 8

County(s): HOKE, MOORE

MPOS(s)/RPO(s): Lumber River RPO, Triangle Area 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: 50.15

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 39.84	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 60.78		
[Travel Time] Benefit/Cost (25%) 0.43		
Accessibility / Connectivity (10%) 40.07		
Totals: Weight: 70% Weighted Score: 20.15		

Division Needs Total Score: 39.13

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 39.84	Percent: 25% Points: 0	Percent: 25% Points: 100
[Travel Time] Benefit/Cost (20%) 0.43		
Safety (10%) 60.78		
Totals: Weight: 50% Weighted Score: 14.13		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	15.36
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9356.61
Capacity:	15551.64
Volume/Capacity Ratio:	0.6
% Autos:	92%
% Trucks:	8%
Truck Volume:	781.7
Crash Density:	80.03
Crash Severity:	53.16
Critical Crash Rate:	49.17
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	26
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	67
Actual Congested Speed:	46.96
Travel Time Index:	1.15

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	15.36
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:	4
Travel Time Savings for 30 Years (Total):	2661092.61
Travel Time Savings for 30 Years (Autos):	2438770.11
Travel Time Savings for 30 Years (Trucks):	222322.5
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* 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 8	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Lumber River RPO	63%	63	63
Triangle Area RPO	19%	19	19
Fayetteville Area MPO	18%	18	18
TOTAL MPO/RPO Points		82	82

Project Cost and Source

Construction Cost:	\$94,278,000	TIP Unit
Right-of-Way Cost:	\$42,355,000	Cost Estimation Tool
Utilities Cost:	\$5,083,000	Cost Estimation Tool
Total Project Cost:	\$141,716,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$141,716,000	