



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090765

Mode: Highway

Status: Submitted

US-15

From/Cross Street: US 158 (Oxford Outer Loop)

Specific Improvement Type: 1 - Widen Existing Roadway

To: Virginia State Line

Project Category: Regional Impact

Length: 14.99

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$88,725,000

Description:

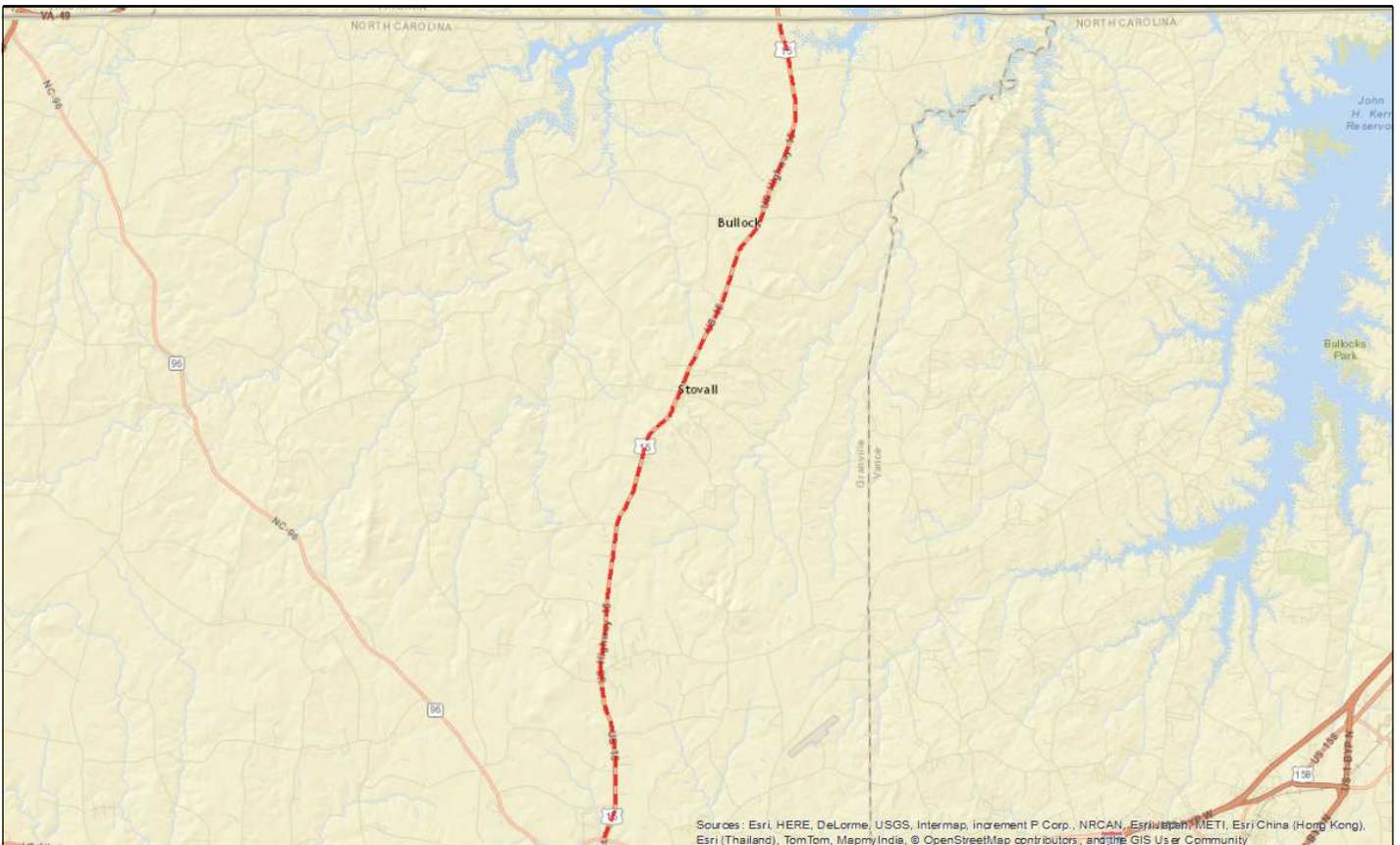
Section D - Widen to Four Lanes with Wide Outside Shoulders from the Oxford Outer Loop (US 158) to Virginia State Line.

Division(s): Division 5

County(s): GRANVILLE

MPOS(s)/RPO(s): Kerr-Tar RPO

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: 25.48

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 18.76	Percent: 15% Points: 0	Percent: 15% Points: 80
Safety (10%) 57.86		
[Travel Time] Benefit/Cost (25%) 0.12		
Accessibility / Connectivity (10%) 29.73		
Totals: Weight: 70% Weighted Score: 13.48		

Division Needs Total Score: 9.56

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.12	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 57.86		
Congestion (V/C) (20%) 18.76		
Totals: Weight: 50% Weighted Score: 9.56		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	53
Length (miles):	14.99
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	4398.9
Capacity:	15524.15
Volume/Capacity Ratio:	0.28
% Autos:	89%
% Trucks:	11%
Truck Volume:	495.44
Crash Density:	60.45
Crash Severity:	57.14
Critical Crash Rate:	56.01
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:	77
Actual Congested Speed:	50.38
Travel Time Index:	1.05

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	55
Length (miles):	14.99
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	449974.1
Travel Time Savings for 30 Years (Autos):	399294.36
Travel Time Savings for 30 Years (Trucks):	50679.74
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 5

* 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 5	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Kerr-Tar RPO	100%	80	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		80	0

Project Cost and Source

Construction Cost:	\$80,028,000	TIP Unit
Right-of-Way Cost:	\$7,765,000	Cost Estimation Tool
Utilities Cost:	\$932,000	Cost Estimation Tool
Total Project Cost:	\$88,725,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$88,725,000	