



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090747

Mode: Highway

Status: Submitted

## US-15

From/Cross Street: I-85

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 15

Project Category: Regional Impact

Length: 4.02

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$31,532,000

### Description:

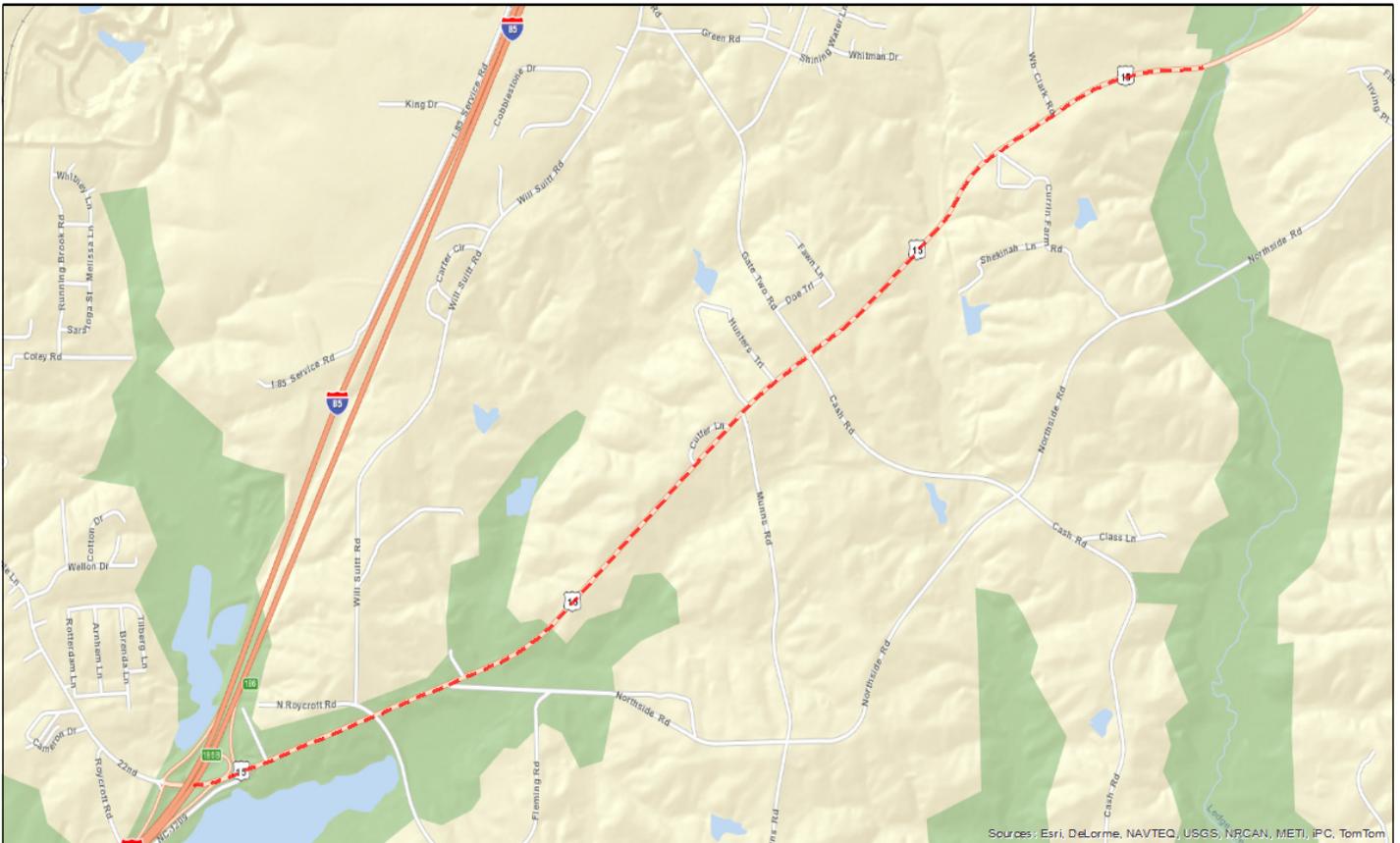
Section a - Widen to Four Lanes with Wide Outside Shoulders from I-85 to the Southern Creedmoor Planning Boundary.

Division(s): Division 5

County(s): GRANVILLE

MPOS(s)/RPO(s): Capital Area MPO

### Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 27.63	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 53.79		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 23.25		
<b>Totals: Weight: 70% Weighted Score: 14.61</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 27.63	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 53.79		
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 10.9</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	4.02
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	6468.93
Capacity:	15500.09
Volume/Capacity Ratio:	0.42
% Autos:	94%
% Trucks:	6%
Truck Volume:	389.95
Crash Density:	62.08
Crash Severity:	57.94
Critical Crash Rate:	41.37
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	63
Actual Congested Speed:	45.86
Travel Time Index:	1.19

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	4.02
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):	-671787.22
Travel Time Savings for 30 Years (Autos):	-631291.12
Travel Time Savings for 30 Years (Trucks):	-40496.1
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!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 5	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Capital Area MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$30,210,000	TIP Unit
Right-of-Way Cost:	\$1,180,000	Cost Estimation Tool
Utilities Cost:	\$142,000	Cost Estimation Tool
Total Project Cost:	\$31,532,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$31,532,000</b>	