NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090763 **Mode:** Highway **Status:** Submitted

US-15

From/Cross Street: Northern Creedmoor Planning Boundary

To: Bryans Hill Road

Length: 7.97

Specific Improvement Type: 16 - Modernize Roadway

Project Category: Regional Impact

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: $21,660,000

Description:

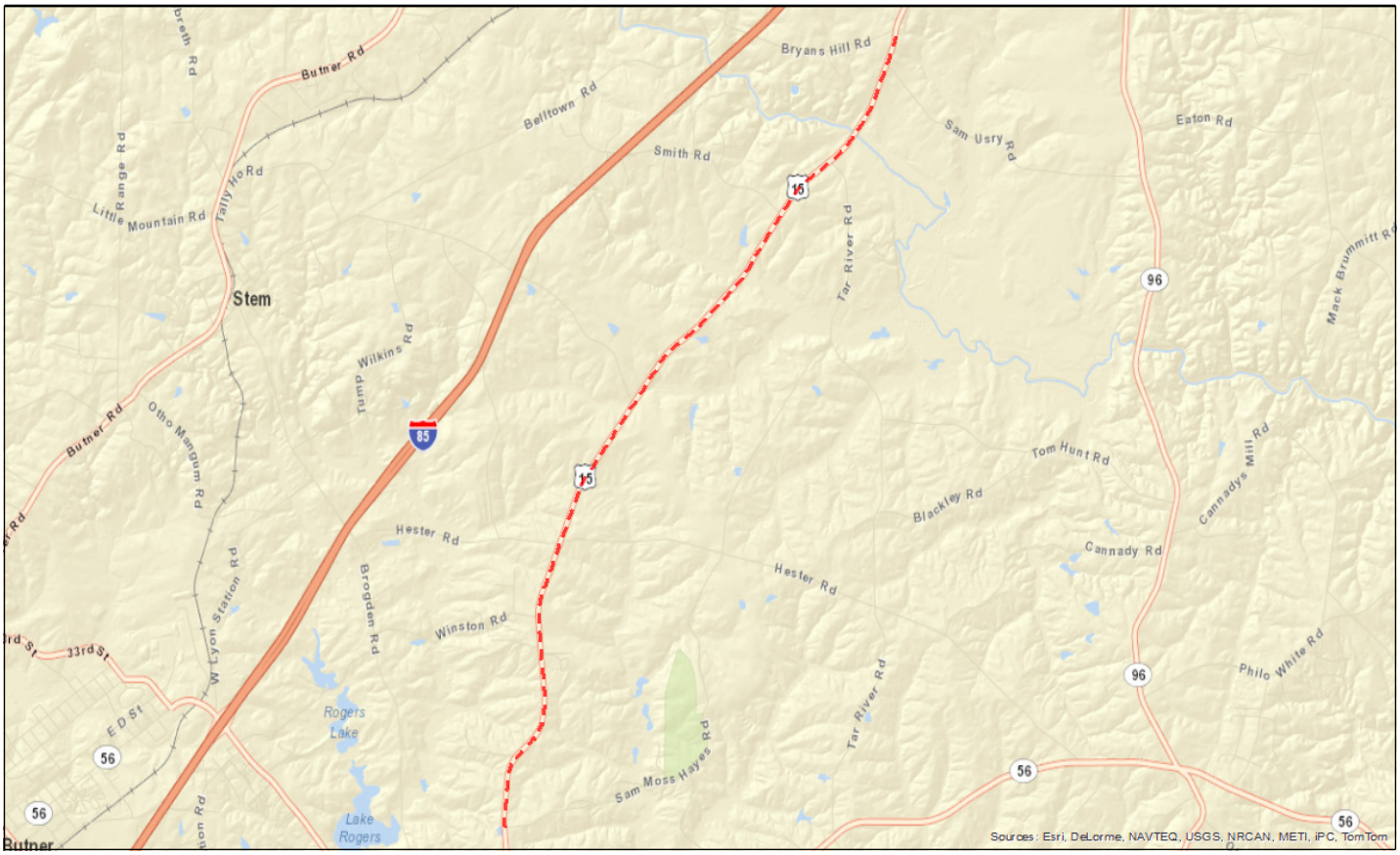
Rehab pavement and widen to 24' Cross-Section with wide outside shoulders

Division(s): Division 5

County(s): GRANVILLE

MPOS(s)/RPO(s): Capital Area MPO, Kerr-Tar RPO

Project Location



Statewide Mobility Total Score: 0

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

Regional Impact Total Score: 0

Quanitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	15.75	Percent: 15%	Percent: 15%
Safety (10%)	48.37	Points:	Points:
[Travel Time] Benefit/Cost (25%)	0.00		
Accessibility / Connectivity (10%)	20.46		
Totals: Weight: 70% Weighted Score: 10.82			

Division Needs Total Score: 0

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	15.75	Percent: 25%	Percent: 25%
Safety (10%)	48.37	Points:	Points:
[Travel Time] Benefit/Cost (20%)	0.00		
Totals: Weight: 50% Weighted Score: 7.99			

Project Data *

Existing Conditions

Existing Cross-Section:	
Speed Limit:	49
Length (miles);	7.97
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):	3686.67
Capacity:	15500.06
Volume/Capacity Ratio:	0.24
% Autos:	94%
% Trucks:	6%
Truck Volume:	223.32
Crash Density:	52.65
Crash Severity:	49.42
Critical Crash Rate:	43.05
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:	68
Actual Congested Speed:	54.39
Travel Time Index:	0.9

Project Benefits

Project Cross-Section:	
Speed Limit:	49
Length (miles):	7.97
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
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
Capital Area MPO	88%	0	0
Kerr-Tar RPO	12%	0	0
	0%	0	0
TOTAL MPO/RPO Points		**0**	**0**

Project Cost and Source

Construction Cost:	$21,660,000	TIP Unit
Right-of-Way Cost:	$0	Cost Estimation Tool
Utilities Cost:	$0	Cost Estimation Tool
Total Project Cost:	$21,660,000	
Other Funding:	$0	None
Cost to NCDOT :	**$21,660,000**	