



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090164-B

Mode: Highway

Status: Submitted

US-221

From/Cross Street: SR 1569 (North Cove School Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1571 (English Road)

Project Category: Statewide Mobility

Length: 5.69

TIP#: R-2596B

Fully Funded in Draft STIP? No

Cost to NCDOT: \$55,800,000

Description:

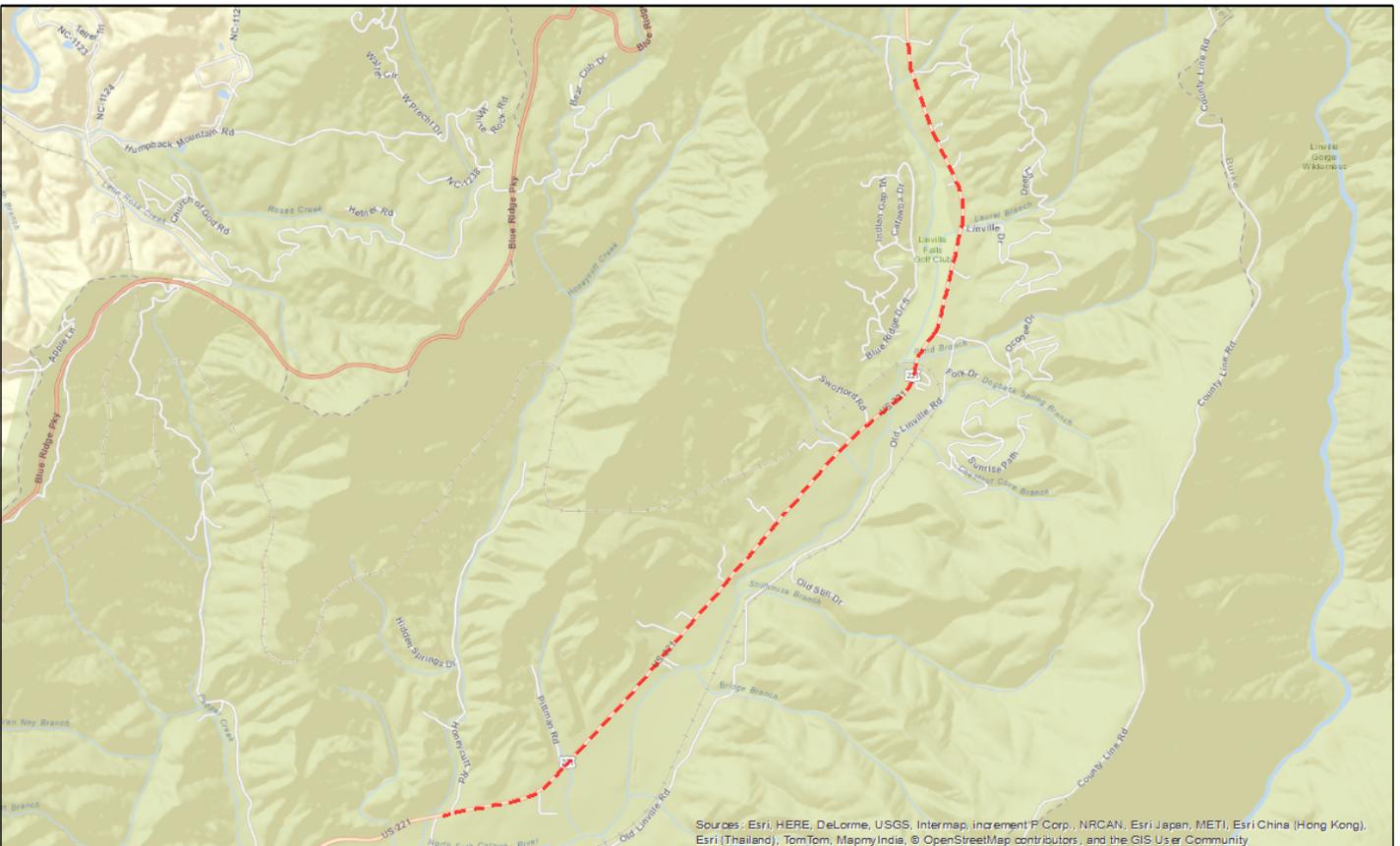
Widen to Multi-Lanes.

Division(s): Division 13

County(s): MCDOWELL

MPOS(s)/RPO(s): Isothermal RPO

Project Location



Statewide Mobility Total Score: 7.9

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	11.53	N/A	N/A
Safety (10%)	41.60		
Economic Competitiveness (10%)	0.00		
Multimodal + [Freight & Military] (20%)	1.39		
[Travel Time] Benefit/Cost (30%)	0.00		
Totals: Weight: 100% Weighted Score: 7.9			

Regional Impact Total Score: 24.51

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	11.53	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%)	41.60		
[Travel Time] Benefit/Cost (25%)	0.00		
Accessibility / Connectivity (10%)	24.72		
Totals: Weight: 70% Weighted Score: 9.51			

Division Needs Total Score: 6.47

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	11.53	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	41.60		
[Travel Time] Benefit/Cost (20%)	0.00		
Totals: Weight: 50% Weighted Score: 6.47			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	5.69
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	2905.37
Capacity:	16807.69
Volume/Capacity Ratio:	0.17
% Autos:	90%
% Trucks:	10%
Truck Volume:	277.12
Crash Density:	47.78
Crash Severity:	40.91
Critical Crash Rate:	36.11
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	74
Actual Congested Speed:	46
Travel Time Index:	1.2

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	5.69
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Mountainous
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:	0
% Change in Economy:	0
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 13

* 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 13	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Isothermal RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$42,000,000	TIP Unit
Right-of-Way Cost:	\$12,300,000	TIP Unit
Utilities Cost:	\$1,500,000	TIP Unit
Total Project Cost:	\$55,800,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$55,800,000	