



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090087

**Mode:** Highway

**Status:** Submitted

## US-221

**From/Cross Street:** NC 16

**Specific Improvement Type:** 16 - Modernize Roadway

**To:** Alleghany County Line

**Project Category:** Regional Impact

**Length:** 9.72

**TIP#:** R-2310

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$70,452,000

### Description:

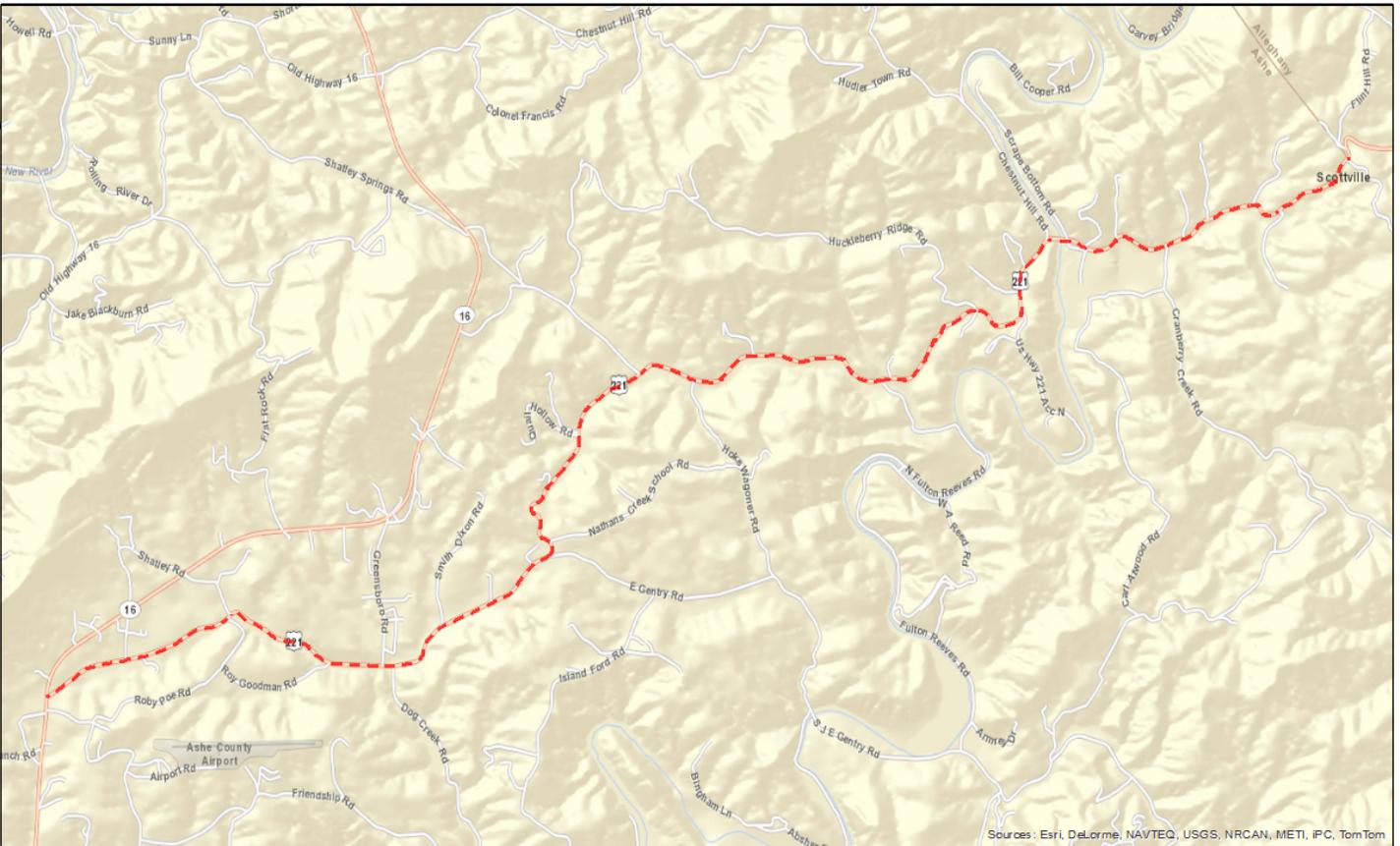
NC 16 to the Alleghany County Line. Upgrade Existing Facility.

**Division(s):** Division 11

**County(s):** ASHE

**MPOS(s)/RPO(s):** High Country RPO

### Project Location



**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%) 4.57	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 36.18		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 8.71		
<b>Totals: Weight: 70% Weighted Score: 5.63</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.00	Percent: 25% Points:	Percent: 25% Points:
Congestion (V/C) (20%) 4.57		
Safety (10%) 36.18		
<b>Totals: Weight: 50% Weighted Score: 4.53</b>		

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

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	9.72
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
Lane Width:	9
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	1069.85
Capacity:	15500.66
Volume/Capacity Ratio:	0.07
% Autos:	90%
% Trucks:	10%
Truck Volume:	108.72
Crash Density:	32.25
Crash Severity:	33.57
Critical Crash Rate:	42.73
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	85
Actual Congested Speed:	42
Travel Time Index:	1.07

**Project Benefits**

Project Cross-Section:	
Speed Limit:	45
Length (miles):	9.72
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Mountainous
DOT Design Lane Width:	11
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 11

\* 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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 11	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>
High Country RPO	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:	\$70,452,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$70,452,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$70,452,000</b>	