



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090136

Mode: Highway

Status: Submitted

## US-221

From/Cross Street: NC 194

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 181 in Linville

Project Category: Statewide Mobility

Length: 6.41

TIP#: R-2595

Fully Funded in Draft STIP? No

Cost to NCDOT: \$95,900,000

### Description:

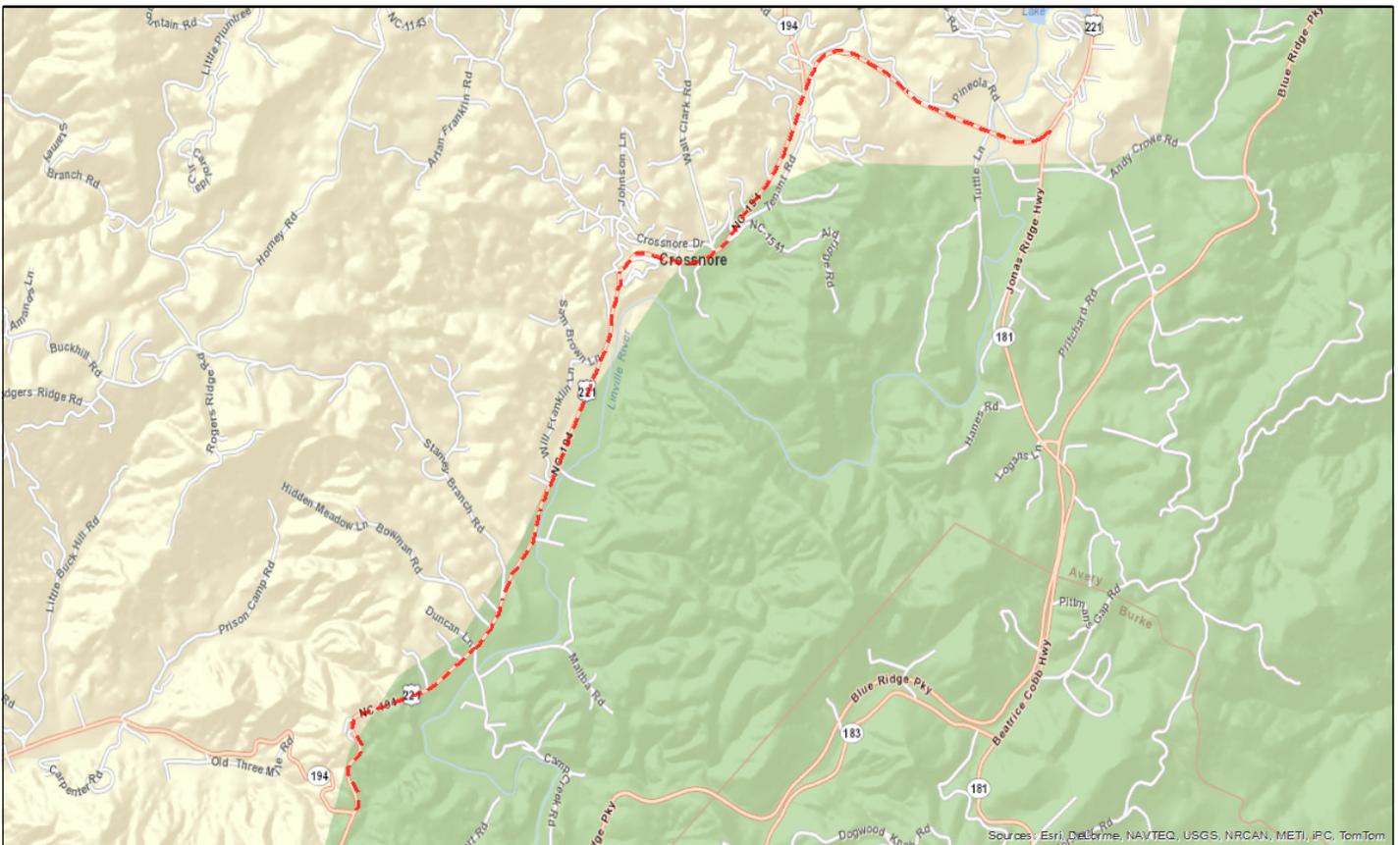
Widen to Multi-Lanes.

Division(s): Division 11

County(s): AVERY

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

### Project Location



**Statewide Mobility Total Score: 7.31**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 22.75	N/A	N/A
Safety (10%) 0.00		
Economic Competitiveness (10%) 0.44		
Multimodal + [Freight & Military] (20%) 2.18		
[Travel Time] Benefit/Cost (30%) 0.03		
<b>Totals: Weight: 100% Weighted Score: 7.31</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 22.75	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 0.00		
[Travel Time] Benefit/Cost (25%) 0.03		
Accessibility / Connectivity (10%) 14.33		
<b>Totals: Weight: 70% Weighted Score: 7.13</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 22.75	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 0.00		
[Travel Time] Benefit/Cost (20%) 0.03		
<b>Totals: Weight: 50% Weighted Score: 4.56</b>		

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	6.41
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Mountainous
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	5372.39
Capacity:	15647
Volume/Capacity Ratio:	0.34
% Autos:	92%
% Trucks:	8%
Truck Volume:	435.22
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	86
Actual Congested Speed:	41.47
Travel Time Index:	1.21

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	6.41
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:	2
Travel Time Savings for 30 Years (Total):	107367.97
Travel Time Savings for 30 Years (Autos):	98670.11
Travel Time Savings for 30 Years (Trucks):	8697.86
Long-Term Employment:	2
% Change in Economy:	6.89E-06
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 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:	\$57,400,000	TIP Unit
Right-of-Way Cost:	\$37,200,000	TIP Unit
Utilities Cost:	\$1,300,000	TIP Unit
Total Project Cost:	\$95,900,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$95,900,000</b>	