



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090716

Mode: Highway

Status: Submitted

## NC-194 (New Route - NC 194 Bypass)

From/Cross Street: US 221 Business

Specific Improvement Type: 5 - Construct Roadway on New Location

To: NC 88

Project Category: Regional Impact

Length: 0.73

TIP#: R-5116

Fully Funded in Draft STIP? No

Cost to NCDOT: \$8,248,000

### Description:

Project Has Been Identified By the Feasibility Studies Unit As R-5116. 24 Ft Two Lane Shoulder Section with 12 Ft Lanes and 8 Ft Soil Shoulders on a Variable Right-of-Way to Accommodate the Cut and Fills Along the Proposed 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
Accessibility / Connectivity (10%) 4.54	Percent: 15% Points:	Percent: 15% Points:
Congestion (V/C) (25%) 19.07		
Safety (10%) 33.44		
[Travel Time] Benefit/Cost (25%) 5.56		
<b>Totals: Weight: 70% Weighted Score: 9.96</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 19.07	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 33.44		
[Travel Time] Benefit/Cost (20%) 5.56		
<b>Totals: Weight: 50% Weighted Score: 8.27</b>		

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

Existing Cross-Section:	
Speed Limit:	37
Length (miles):	1.6
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	6808.99
Capacity:	24986.09
Volume/Capacity Ratio:	0.27
% Autos:	95%
% Trucks:	5%
Truck Volume:	316
Crash Density:	33.31
Crash Severity:	34.37
Critical Crash Rate:	32.65
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:	44
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	35
Length (miles):	0.73
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2045457.04
Travel Time Savings for 30 Years (Autos):	1950528.93
Travel Time Savings for 30 Years (Trucks):	94928.11
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?	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**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
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:	\$7,410,000	TIP Unit
Right-of-Way Cost:	\$748,000	Cost Estimation Tool
Utilities Cost:	\$90,000	Cost Estimation Tool
Total Project Cost:	\$8,248,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$8,248,000</b>	