



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141976

Mode: Highway

Status: Submitted

US-221 (Linville Falls Highway)

From/Cross Street: NC 194 (Miller's Gap Highway)

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Statewide Mobility

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$775,000

Description:

Construct roundabout or add northbound left-turn lane.

Division(s): Division 11

County(s): AVERY

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

Project Location



Statewide Mobility Total Score: 9.82

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 2.47 Congestion (V/C) (30%) 26.88 Multimodal + [Freight & Military] (20%) 4.92 Safety (10%) 0.00 Economic Competitiveness (10%) 0.33	N/A	N/A
Totals: Weight: 100% Weighted Score: 9.82		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 0.00 [Travel Time] Benefit/Cost (25%) 2.47 Accessibility / Connectivity (10%) 7.76 Congestion (V/C) (25%) 26.88	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 8.11		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 26.88 Safety (10%) 0.00 [Travel Time] Benefit/Cost (20%) 2.47	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 5.87		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	0.5
Facility Type:	Arterial
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):	11634.98
Capacity:	31402.11
Volume/Capacity Ratio:	0.37
% Autos:	92%
% Trucks:	8%
Truck Volume:	984.98
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:	80
Actual Congested Speed:	28.17
Travel Time Index:	1.6

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	84000
Travel Time Savings for 30 Years (Autos):	76888.85
Travel Time Savings for 30 Years (Trucks):	7111.15
Long-Term Employment:	1.39
% Change in Economy:	5.29E-06
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
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$625,000	Cost Estimation Tool
Right-of-Way Cost:	\$150,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$775,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$775,000	