



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141901

Mode: Highway

Status: Submitted

SR-1001 (Sugar Hill Rd)

From/Cross Street: I-40 WB Ramps

Specific Improvement Type: 1 - Widen Existing Roadway

To: 0.3 miles west of I-40 EB ramps.

Project Category: Division Needs

Length: 0.35

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$3,802,000

Description:

Improve capacity by by constructing a three or five lane section on SR 1001, Sugar Hill Road from I-40 WB ramps to 0.3 miles west of I-40 EB ramps.

Division(s): Division 13

County(s): MCDOWELL

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

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	Percent: 15% Points: 0	Percent: 15% Points: 0
Totals: Weight: 0% Weighted Score: 0		

Division Needs Total Score: 66.18

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 39.17	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%) 83.41		
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 16.18		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	0.35
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9331.16
Capacity:	15796.56
Volume/Capacity Ratio:	0.59
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	99.72
Crash Severity:	75.27
Critical Crash Rate:	75.27
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	72
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	3A - 2 Lane with Two Way Left Turn Lane, and Paved Shoulders
Speed Limit:	45
Length (miles):	0.35
Facility Type:	Arterial
Access Control:	Full
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
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?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Isothermal RPO

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

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$3,778,000	Cost Estimation Tool
Right-of-Way Cost:	\$21,000	Cost Estimation Tool
Utilities Cost:	\$3,000	Cost Estimation Tool
Total Project Cost:	\$3,802,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$3,802,000	