



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111311

Mode: Highway

Status: Submitted

SR-2500 (Blue Ridge Road)

From/Cross Street: SR-2500 Blue Ridge Road

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Regional Impact

Length: 2

TIP#: I-4409

Fully Funded in Draft STIP? No

Cost to NCDOT: \$5,800,000

Description:

Convert Grade Separation to interchange. Widen SR 2500 (Blue Ridge Road) to Three Lanes from US 70 to South of I-40 and Upgrade Roadway South of I-40 to SR 2713

Division(s): Division 13

County(s): BUNCOMBE

MPOS(s)/RPO(s): French Broad River MPO

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: 51.26

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 46.07	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 50.00		
[Travel Time] Benefit/Cost (25%) 13.30		
Accessibility / Connectivity (10%) 14.21		
Totals: Weight: 70% Weighted Score: 21.26		

Division Needs Total Score: 16.87

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 13.30	Percent: 25% Points: 0	Percent: 25% Points: 0
Congestion (V/C) (20%) 46.07		
Safety (10%) 50.00		
Totals: Weight: 50% Weighted Score: 16.87		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles);	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	42620.52
Capacity:	88107.77
Volume/Capacity Ratio:	0.48
% Autos:	90%
% Trucks:	10%
Truck Volume:	4338.16
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	33.3
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	99
Actual Congested Speed:	31.65
Travel Time Index:	1.11

Project Benefits

Project Cross-Section:	
Speed Limit:	65
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	3363000
Travel Time Savings for 30 Years (Autos):	3020694.71
Travel Time Savings for 30 Years (Trucks):	342305.29
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 13

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

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$5,000,000	Cost Estimation Tool
Right-of-Way Cost:	\$800,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$5,800,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$5,800,000	