



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111078

Mode: Highway

Status: Submitted

US-74

From/Cross Street: End of Divided Highway in Cherokee County

Specific Improvement Type: 16 - Modernize Roadway

To: Beginning of Divided Highway in Almond, Swain County

Project Category: Statewide Mobility

Length: 20.88

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$54,606,000

Description:

Construct 5 Foot Paved Shoulders Throughout, Construct Truck Climbing Lane at Steep Grade near Mm 48, Construct Auxiliary Lanes As Needed at the Cherokee/Macon County Line..

Division(s): Division 14

County(s): SWAIN, CHEROKEE, MACON

MPOS(s)/RPO(s): Southwestern RPO

Project Location



Statewide Mobility Total Score: 12.55

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 20.33	N/A	N/A
Safety (10%) 45.52		
Economic Competitiveness (10%) 0.00		
Multimodal + [Freight & Military] (20%) 9.51		
[Travel Time] Benefit/Cost (30%) 0.00		
Totals: Weight: 100% Weighted Score: 12.55		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 20.33	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 45.52		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 8.89		
Totals: Weight: 70% Weighted Score: 10.52		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 20.33	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 45.52		
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 8.62		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	48
Length (miles):	20.88
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):	4887.53
Capacity:	15960.86
Volume/Capacity Ratio:	0.31
% Autos:	92%
% Trucks:	8%
Truck Volume:	371.31
Crash Density:	49.44
Crash Severity:	45.35
Critical Crash Rate:	41.8
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	96
Actual Congested Speed:	43.59
Travel Time Index:	1.11

Project Benefits

Project Cross-Section:	
Speed Limit:	48
Length (miles):	20.88
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
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:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 14

* 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 14	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO			
MPO/RPO	Percent	Regional Impact	Division Needs
Southwestern RPO	100%	0	0
	0%		