



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090039

Mode: Highway

Status: Submitted

I-74, US-74

From/Cross Street: Future I-74/US 74

Specific Improvement Type: 5 - Construct Roadway on New Location

To: South Carolina State Line

Project Category: Statewide Mobility

Length: 4.69

TIP#: I-4923

Fully Funded in Draft STIP? No

Cost to NCDOT: \$176,158,000

Description:

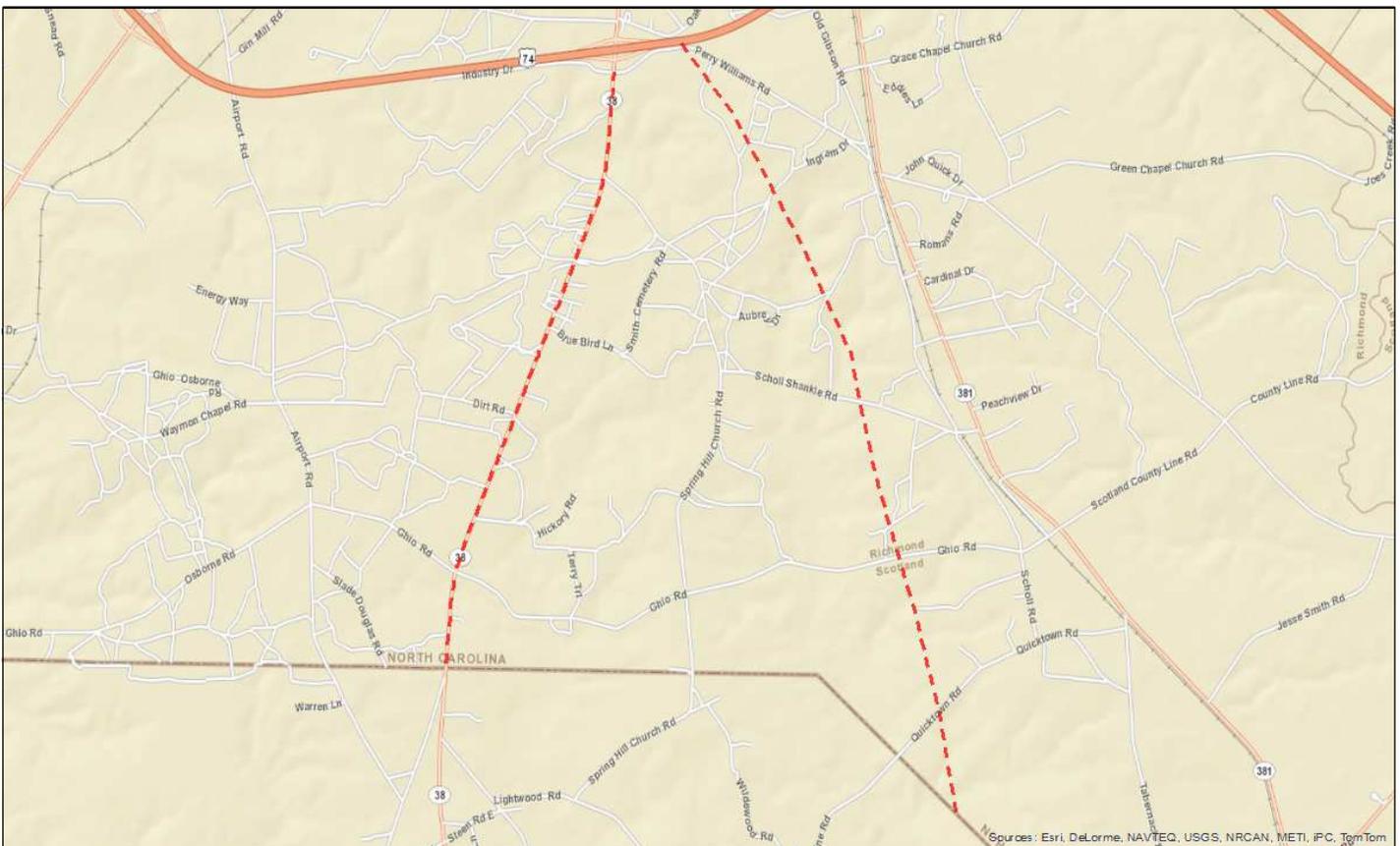
Future I-74/US 74 to South Carolina State Line. Freeway on New Location..

Division(s): Division 8

County(s): RICHMOND, SCOTLAND

MPOS(s)/RPO(s): Lumber River RPO

Project Location



Statewide Mobility Total Score: 11.66

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 69.26	N/A	N/A
Congestion (V/C) (30%) 11.99		
Multimodal + [Freight & Military] (20%) 1.69		
[Travel Time] Benefit/Cost (30%) 0.19		
Economic Competitiveness (10%) 7.42		
Totals: Weight: 100% Weighted Score: 11.66		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 11.99	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 69.26		
[Travel Time] Benefit/Cost (25%) 0.19		
Accessibility / Connectivity (10%) 14.42		
Totals: Weight: 70% Weighted Score: 11.41		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 11.99	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 69.26		
[Travel Time] Benefit/Cost (20%) 0.19		
Totals: Weight: 50% Weighted Score: 9.36		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	7.4
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	2806.61
Capacity:	15500
Volume/Capacity Ratio:	0.18
% Autos:	88%
% Trucks:	12%
Truck Volume:	338.83
Crash Density:	66.58
Crash Severity:	84.46
Critical Crash Rate:	56.77
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:	97
Actual Congested Speed:	0
Travel Time Index:	0

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	4.69
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	1479937.28
Travel Time Savings for 30 Years (Autos):	1301270.06
Travel Time Savings for 30 Years (Trucks):	178667.22
Long-Term Employment:	45
% Change in Economy:	0.00010337
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* 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 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$173,850,000	TIP Unit
Right-of-Way Cost:	\$2,061,000	Cost Estimation Tool
Utilities Cost:	\$247,000	Cost Estimation Tool
Total Project Cost:	\$176,158,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$176,158,000	