



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090093-BB

**Mode:** Highway

**Status:** Submitted

## US-1

**From/Cross Street:** US 74 Bypass

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** US 74 Business

**Project Category:** Statewide Mobility

**Length:** 15.01

**TIP#:** R-2501BB

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$83,523,000

### Description:

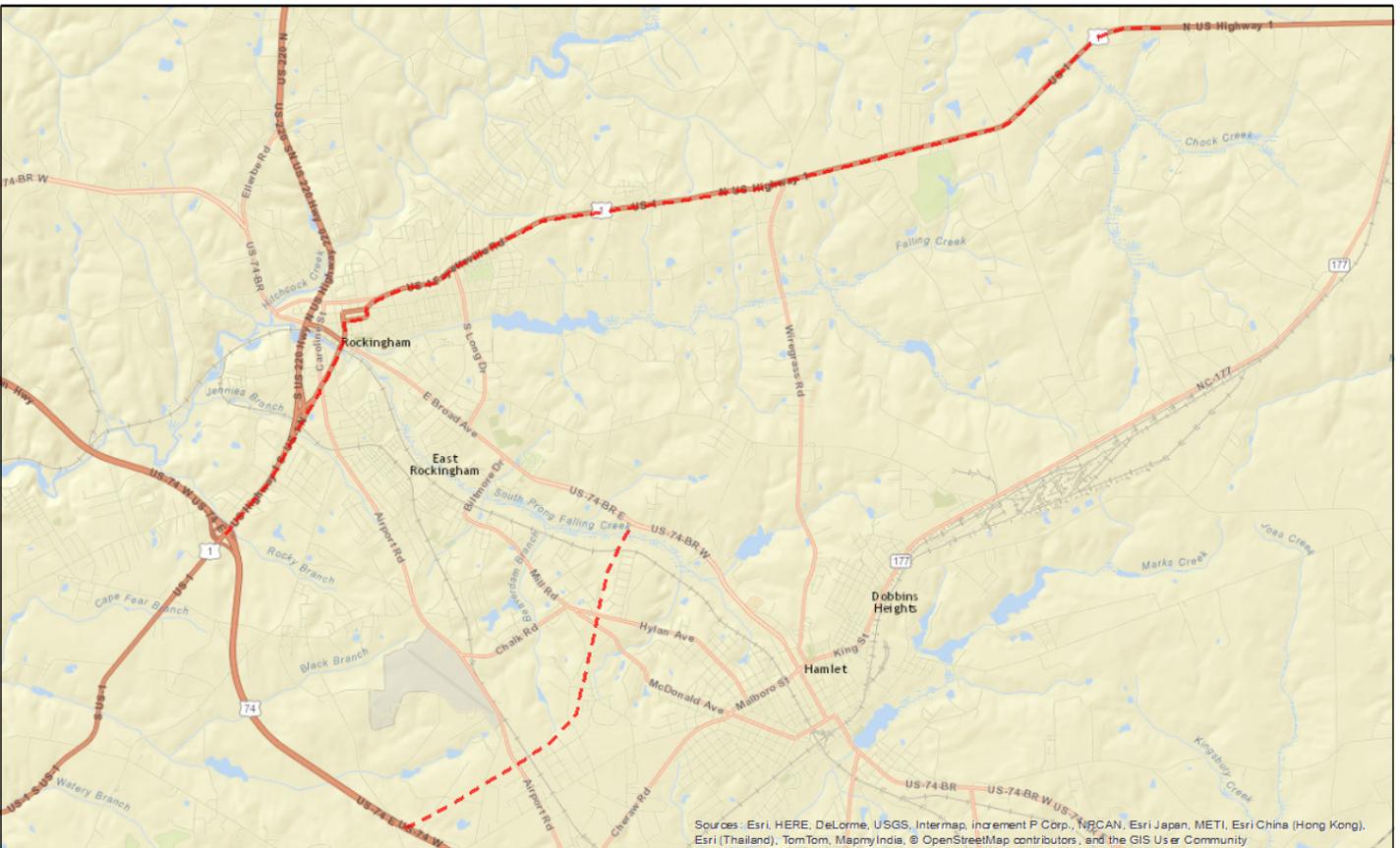
Construct Multi-Lanes on New Location.

**Division(s):** Division 8

**County(s):** RICHMOND

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

### Project Location



**Statewide Mobility Total Score: 24.26**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	25.46	N/A	N/A
Safety (10%)	48.92		
Economic Competitiveness (10%)	99.68		
Multimodal + [Freight & Military] (20%)	3.62		
[Travel Time] Benefit/Cost (30%)	3.46		
<b>Totals: Weight: 100% Weighted Score: 24.26</b>			

**Regional Impact Total Score: 25.26**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%)	48.92	Percent: 15% Points: 0	Percent: 15% Points: 73
[Travel Time] Benefit/Cost (25%)	3.46		
Congestion (V/C) (25%)	25.46		
Accessibility / Connectivity (10%)	21.93		
<b>Totals: Weight: 70% Weighted Score: 14.31</b>			

**Division Needs Total Score: 10.68**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	25.46	Percent: 25% Points: 0	Percent: 25% Points: 0
[Travel Time] Benefit/Cost (20%)	3.46		
Safety (10%)	48.92		
<b>Totals: Weight: 50% Weighted Score: 10.68</b>			

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	48
Length (miles):	19.7
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	7308.87
Capacity:	19458.79
Volume/Capacity Ratio:	0.38
% Autos:	90%
% Trucks:	10%
Truck Volume:	723.12
Crash Density:	47.2
Crash Severity:	53.99
Critical Crash Rate:	45.6
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	90
Actual Congested Speed:	43.31
Travel Time Index:	1.1

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	15.01
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	27941359.88
Travel Time Savings for 30 Years (Autos):	25176925.97
Travel Time Savings for 30 Years (Trucks):	2764433.91
Long-Term Employment:	577
% Change in Economy:	0.00141662
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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 8	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Lumber River RPO	100%	73	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>73</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$67,700,000	TIP Unit
Right-of-Way Cost:	\$13,300,000	TIP Unit
Utilities Cost:	\$2,523,000	TIP Unit
Total Project Cost:	\$83,523,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$83,523,000</b>	