



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090093-BC

Mode: Highway

Status: Submitted

US-1

From/Cross Street: US 74 Business

Specific Improvement Type: 6 - Widen Existing Roadway and Construct Part on New Location

To: North of SR 1606 (Fox Road)

Project Category: Statewide Mobility

Length: 15.01

TIP#: R-2501BC

Fully Funded in Draft STIP? No

Cost to NCDOT: \$101,611,000

Description:

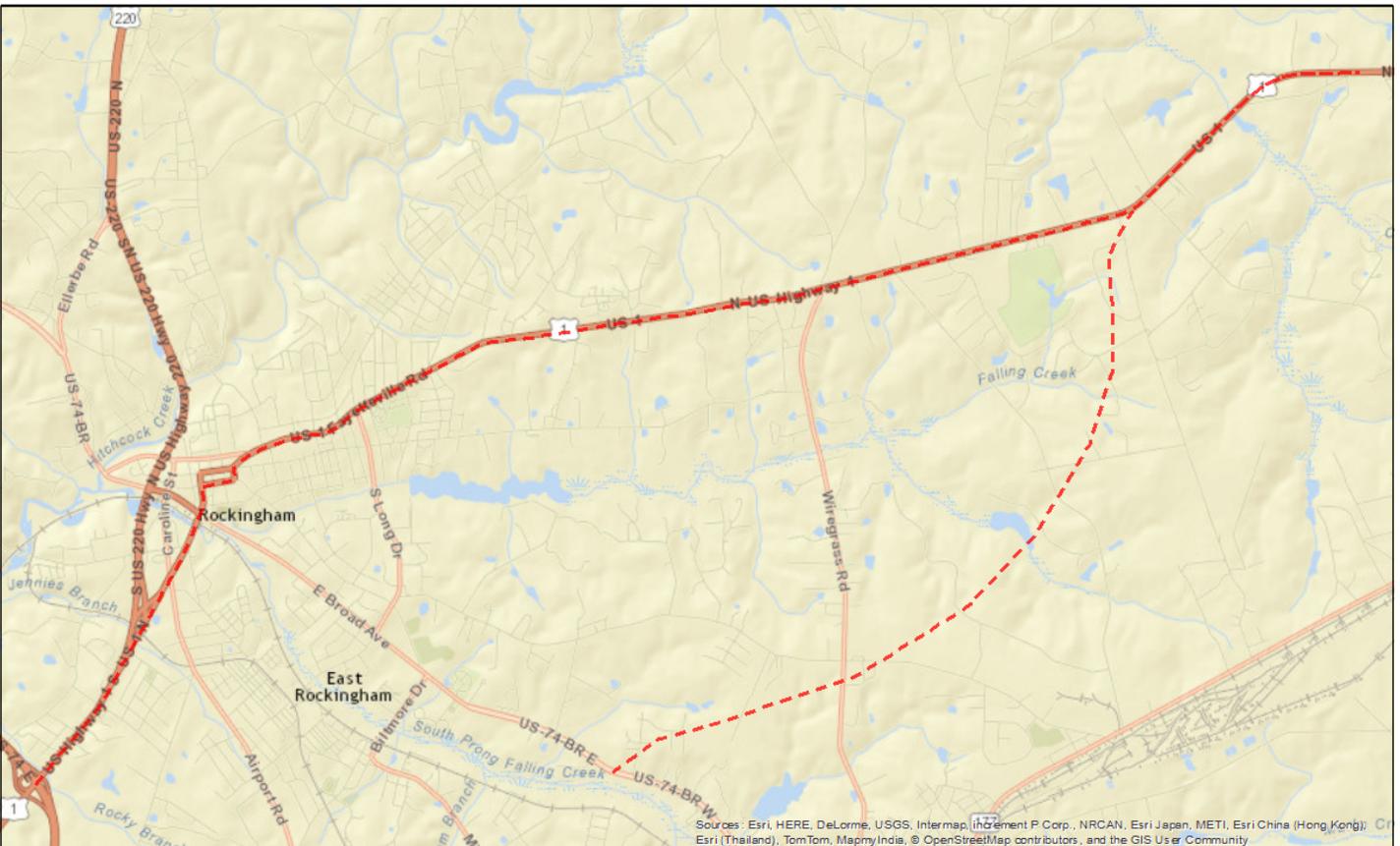
Construct Multi-Lanes on New Location.

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		
Totals: Weight: 100% Weighted Score: 24.26			

Regional Impact Total Score: 29.31

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	25.46	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%)	48.92		
[Travel Time] Benefit/Cost (25%)	3.46		
Accessibility / Connectivity (10%)	21.93		
Totals: Weight: 70% Weighted Score: 14.31			

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
Safety (10%)	48.92		
[Travel Time] Benefit/Cost (20%)	3.46		
Totals: Weight: 50% Weighted Score: 10.68			

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:	18
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!line 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%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$83,600,000	TIP Unit
Right-of-Way Cost:	\$14,280,000	TIP Unit
Utilities Cost:	\$3,731,000	TIP Unit
Total Project Cost:	\$101,611,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$101,611,000	