

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090281

Mode: Highway

Status: Submitted

US-74

From/Cross Street: Monroe Bypass (R-2559)

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

To: Rockingham Bypass

Project Category: Statewide Mobility

Length: 32.24

TIP#: R-4441

Fully Funded in Draft STIP? No

Cost to NCDOT: \$741,458,000

Description:

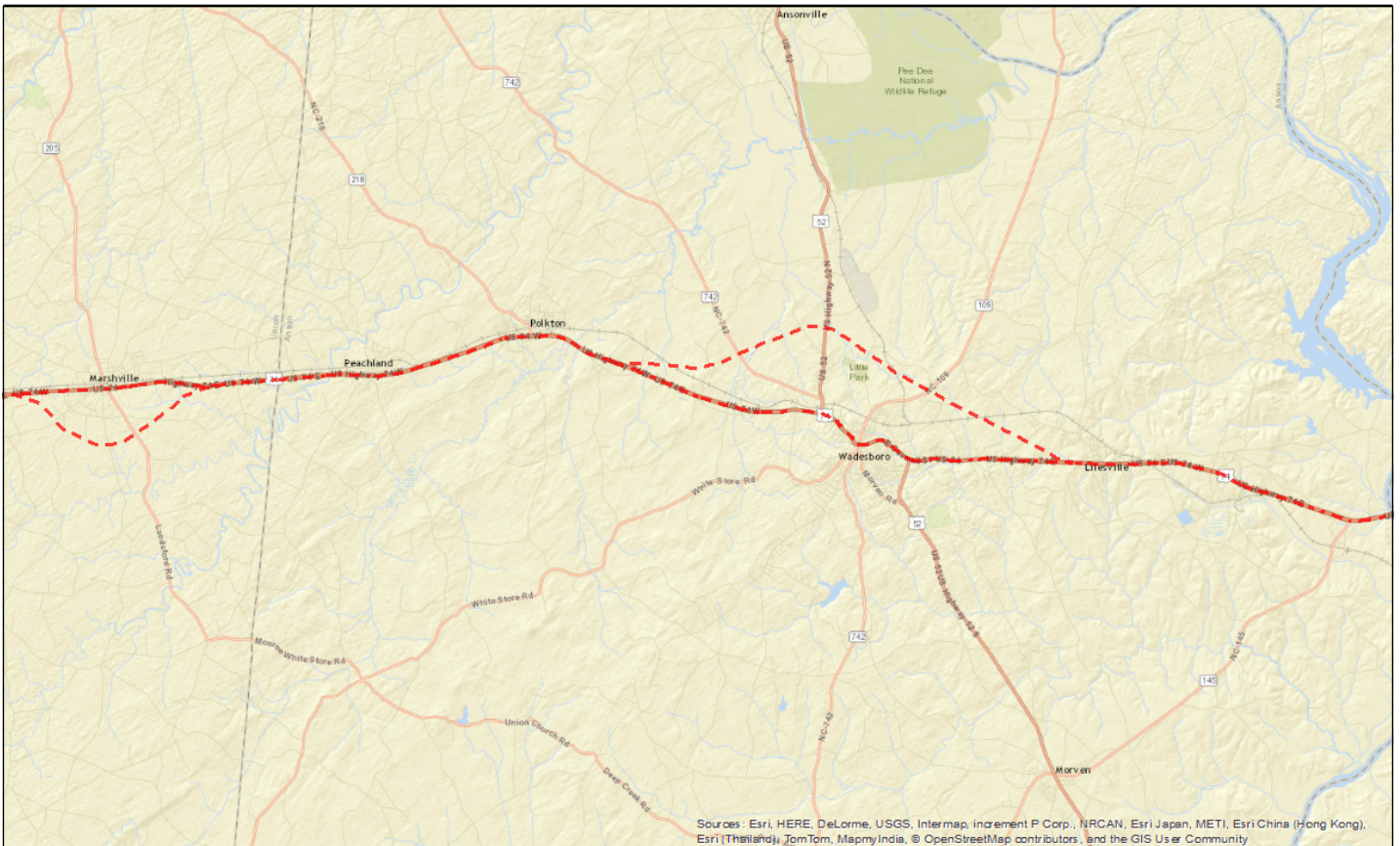
Monroe Bypass (R-2559) to Rockingham Bypass (R-512). Upgrade to Freeway Standards with Bypass of Wadesboro

Division(s): Division 10

County(s): ANSON, UNION

MPOS(s)/RPO(s): Rocky River RPO, Charlotte Regional Transportation Planning Organization

Project Location



Statewide Mobility Total Score: 29.53

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	31.71	N/A	N/A
Economic Competitiveness (10%)	100.00		
Multimodal + [Freight & Military] (20%)	23.12		
[Travel Time] Benefit/Cost (30%)	3.46		
Safety (10%)	43.57		
Totals: Weight: 100% Weighted Score: 29.53			

Regional Impact Total Score: 31.57

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	31.71	Percent: 15% Points: 0	Percent: 15% Points: 80
Safety (10%)	43.57		
[Travel Time] Benefit/Cost (25%)	3.46		
Accessibility / Connectivity (10%)	64.25		
Totals: Weight: 70% Weighted Score: 19.57			

Division Needs Total Score: 11.39

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	31.71	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	43.57		
[Travel Time] Benefit/Cost (20%)	3.46		
Totals: Weight: 50% Weighted Score: 11.39			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	43
Length (miles):	31.1
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	18083.07
Capacity:	44332.16
Volume/Capacity Ratio:	0.41
% Autos:	86%
% Trucks:	14%
Truck Volume:	2585
Crash Density:	41.17
Crash Severity:	55.76
Critical Crash Rate:	33.79
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	78
Actual Congested Speed:	47.24
Travel Time Index:	0.82

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	32.24
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:	4
Travel Time Savings for 30 Years (Total):	110170242.61
Travel Time Savings for 30 Years (Autos):	94421244.92
Travel Time Savings for 30 Years (Trucks):	15748997.69
Long-Term Employment:	1671
% Change in Economy:	0.00114449
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 10

* 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 10	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Rocky River RPO	80%	80	0
Charlotte Regional Transportation Planning Organization	20%	0	0
	0%	0	0
TOTAL MPO/RPO Points		80	0

Project Cost and Source

Construction Cost:	\$688,560,000	TIP Unit
Right-of-Way Cost:	\$47,230,000	Cost Estimation Tool
Utilities Cost:	\$5,668,000	Cost Estimation Tool
Total Project Cost:	\$741,458,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$741,458,000	