



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090967-C

Mode: Highway

Status: Submitted

US-1 (Capital Blvd)

From/Cross Street: North of SR 2045 (Burlington Mills Road)

Specific Improvement Type: 2 - Upgrade Arterial to Freeway/Expressway

To: South of NC 98 Bypass

Project Category: Statewide Mobility

Length: 2.87

TIP#: U-5307C

Fully Funded in Draft STIP? Yes **Statewide Mobility**

Cost to NCDOT: \$62,700,000

Description:

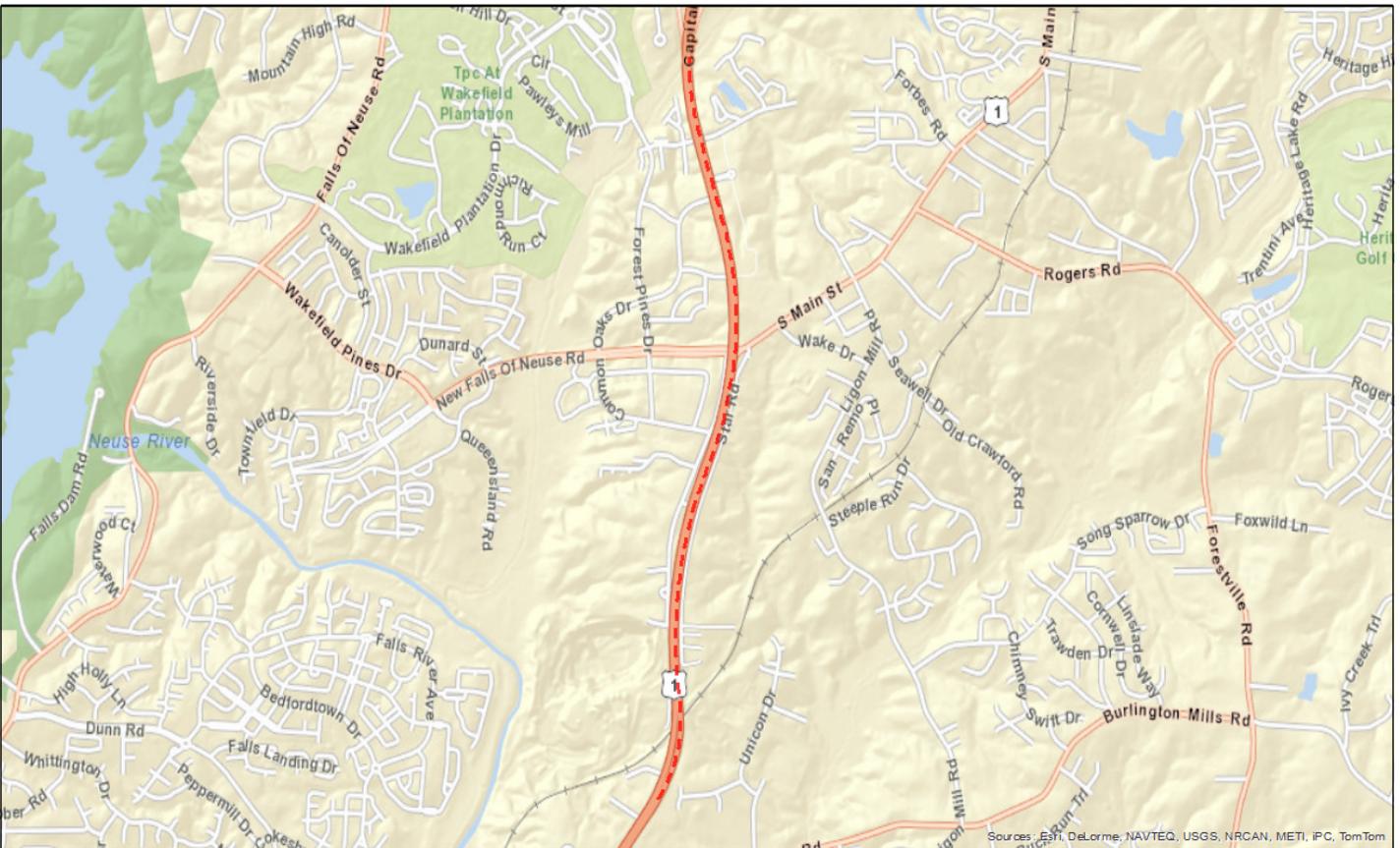
Upgrade Roadway to Freeway.

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Statewide Mobility Total Score: 53

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Multimodal + [Freight & Military] (20%) 12.71	N/A	N/A
[Travel Time] Benefit/Cost (30%) 20.56		
Congestion (V/C) (30%) 100.00		
Safety (10%) 72.00		
Economic Competitiveness (10%) 70.91		
Totals: Weight: 100% Weighted Score: 53		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 100.00	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 72.00		
[Travel Time] Benefit/Cost (25%) 20.56		
Accessibility / Connectivity (10%) 100.00		
Totals: Weight: 70% Weighted Score: 47.34		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 100.00	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 72.00		
[Travel Time] Benefit/Cost (20%) 20.56		
Totals: Weight: 50% Weighted Score: 31.31		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2.87
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	7
Roadway has Curb & Gutter?	No
Volume (AADT):	44655.5
Capacity:	31700.14
Volume/Capacity Ratio:	1.41
% Autos:	94%
% Trucks:	6%
Truck Volume:	2542.8
Crash Density:	89.75
Crash Severity:	52.4
Critical Crash Rate:	73.88
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	88
Actual Congested Speed:	46.66
Travel Time Index:	1.18

Project Benefits

Project Cross-Section:	8B - 8 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	2.87
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:	10
Travel Time Savings for 30 Years (Total):	57240237.37
Travel Time Savings for 30 Years (Autos):	53980827.81
Travel Time Savings for 30 Years (Trucks):	3259409.56
Long-Term Employment:	826
% Change in Economy:	0.00059217
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 5

* 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 5	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$46,100,000	TIP Unit
Right-of-Way Cost:	\$16,600,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$62,700,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$62,700,000	