



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111022-C

Mode: Highway

Status: Submitted

US-1

From/Cross Street: NC 55

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 64

Project Category: Statewide Mobility

Length: 3.13

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$35,181,000

Description:

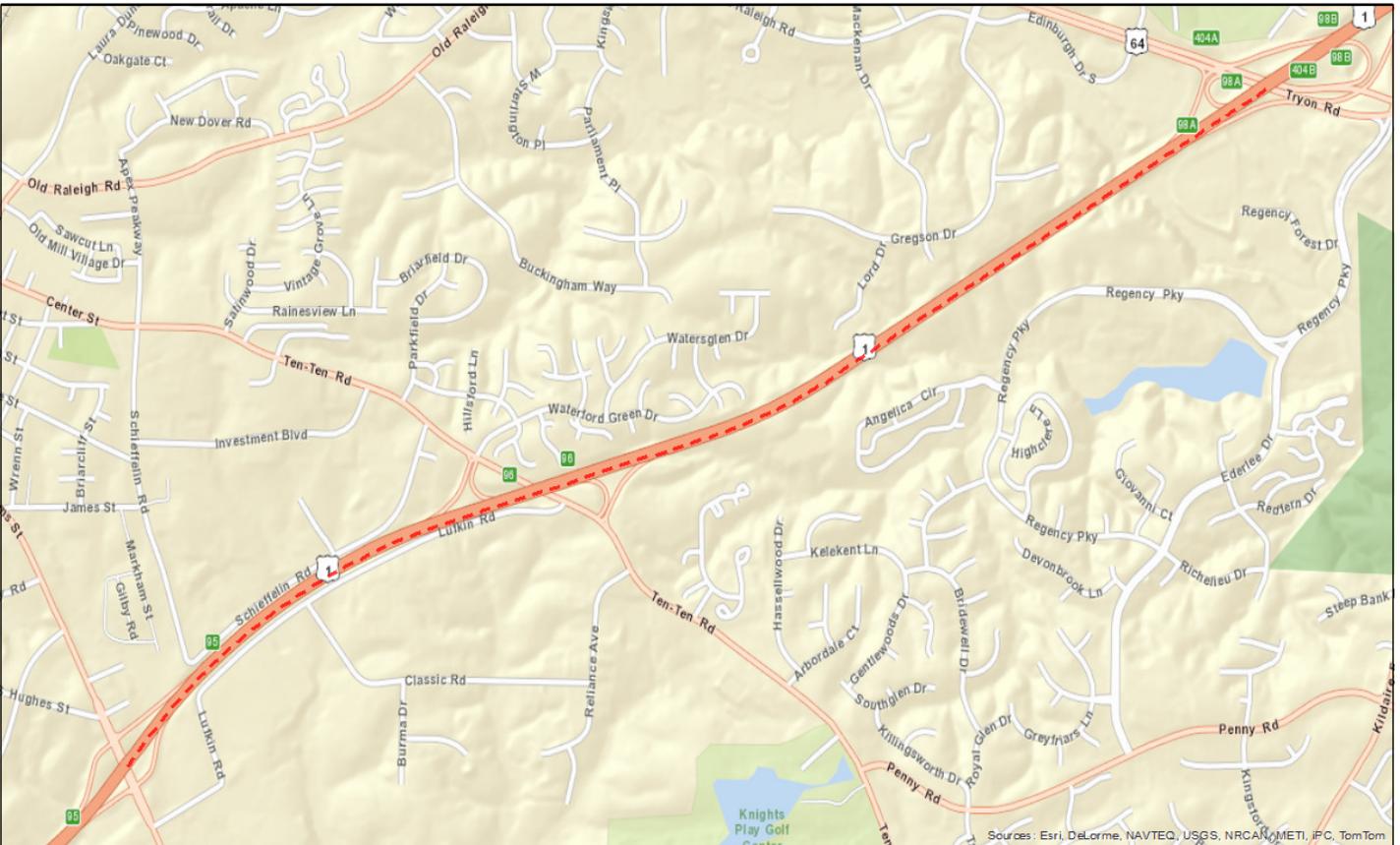
Widen Roadway to 6 Lanes.

Division(s): Division 5

County(s): WAKE

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

Project Location



Statewide Mobility Total Score: 32.06

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	67.67	N/A	N/A
Safety (10%)	65.21		
Economic Competitiveness (10%)	3.88		
Multimodal + [Freight & Military] (20%)	21.24		
[Travel Time] Benefit/Cost (30%)	2.00		
Totals: Weight: 100% Weighted Score: 32.06			

Regional Impact Total Score: 0

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	67.67	Percent: 15% Points:	Percent: 15% Points:
Safety (10%)	65.21		
[Travel Time] Benefit/Cost (25%)	2.00		
Accessibility / Connectivity (10%)	24.36		
Totals: Weight: 70% Weighted Score: 26.38			

Division Needs Total Score: 0

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	67.67	Percent: 25% Points:	Percent: 25% Points:
Safety (10%)	65.21		
[Travel Time] Benefit/Cost (20%)	2.00		
Totals: Weight: 50% Weighted Score: 20.46			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles):	3.13
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	55076.03
Capacity:	72400.24
Volume/Capacity Ratio:	0.76
% Autos:	92%
% Trucks:	8%
Truck Volume:	4248.28
Crash Density:	89.17
Crash Severity:	33.24
Critical Crash Rate:	73.25
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	82
Actual Congested Speed:	58.31
Travel Time Index:	1.11

Project Benefits

Project Cross-Section:	6B - 6 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	3.13
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):	3105841.63
Travel Time Savings for 30 Years (Autos):	2866273.17
Travel Time Savings for 30 Years (Trucks):	239568.46
Long-Term Employment:	45
% Change in Economy:	3.25E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
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!line 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:	\$35,066,000	Cost Estimation Tool
Right-of-Way Cost:	\$103,000	Cost Estimation Tool
Utilities Cost:	\$12,000	Cost Estimation Tool
Total Project Cost:	\$35,181,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$35,181,000	