



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140485

Mode: Highway

Status: Submitted

US-64

From/Cross Street: US 1/64

Specific Improvement Type: 1 - Widen Existing Roadway

To: I-540

Project Category: Statewide Mobility

Length: 5.69

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$190,836,000

Description:

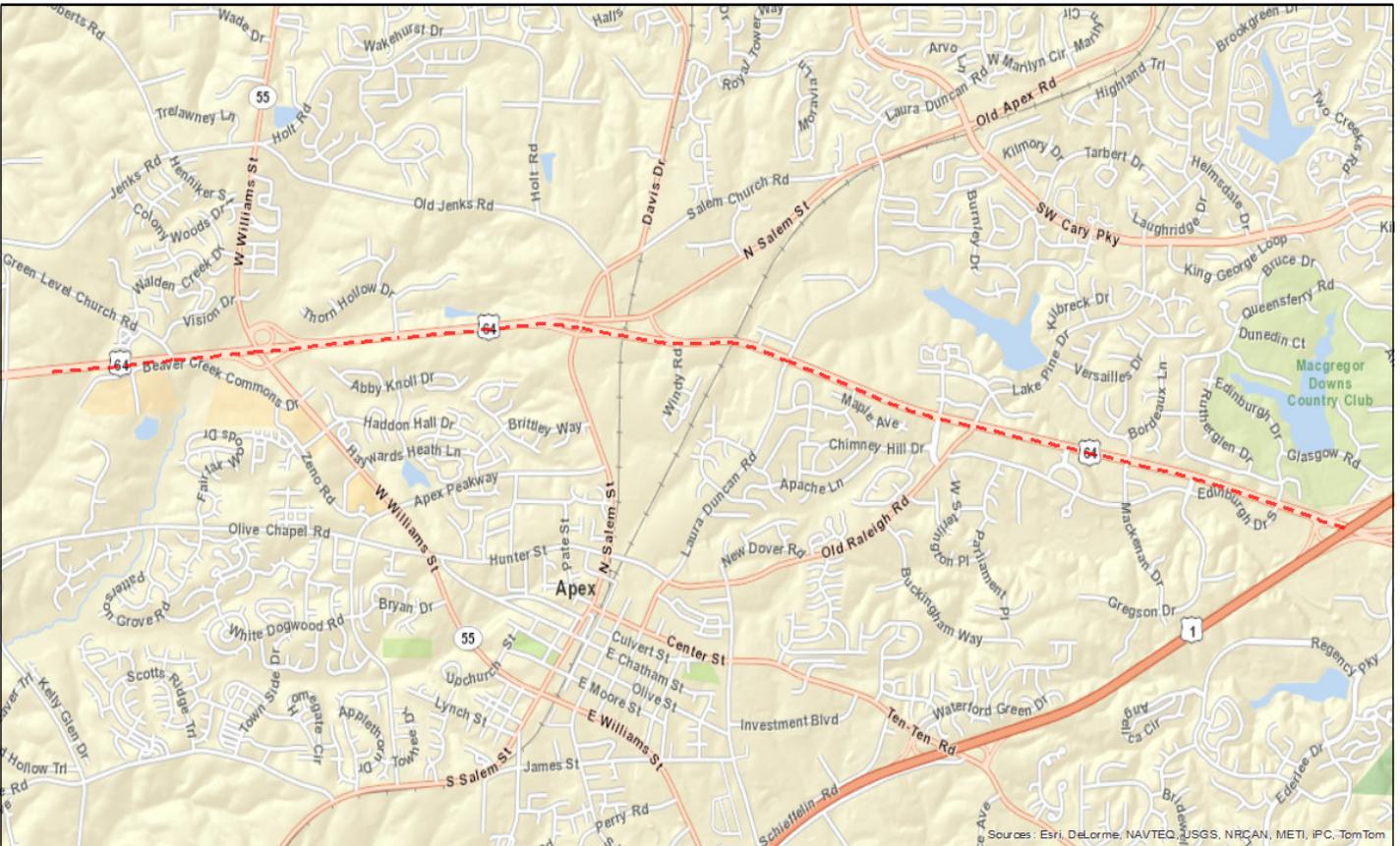
Widen existing roadway from 4 to 6 lanes and upgrade to Expressway facility.

Division(s): Division 5

County(s): WAKE

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

Project Location



Statewide Mobility Total Score: 34

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 61.55	N/A	N/A
Safety (10%) 76.54		
Economic Competitiveness (10%) 48.26		
Multimodal + [Freight & Military] (20%) 9.15		
[Travel Time] Benefit/Cost (30%) 4.08		
Totals: Weight: 100% Weighted Score: 34		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 61.55	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 76.54		
[Travel Time] Benefit/Cost (25%) 4.08		
Accessibility / Connectivity (10%) 86.00		
Totals: Weight: 70% Weighted Score: 32.66		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 76.54	Percent: 25% Points:	Percent: 25% Points:
[Travel Time] Benefit/Cost (20%) 4.08		
Congestion (V/C) (20%) 61.55		
Totals: Weight: 50% Weighted Score: 20.78		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	5.69
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	8
Roadway has Curb & Gutter?	No
Volume (AADT):	35140.97
Capacity:	44393.33
Volume/Capacity Ratio:	0.79
% Autos:	95%
% Trucks:	5%
Truck Volume:	1829.13
Crash Density:	85.94
Crash Severity:	66.54
Critical Crash Rate:	77.17
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	99
Actual Congested Speed:	45.9
Travel Time Index:	1.2

Project Benefits

Project Cross-Section:	6B - 6 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	5.69
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	34626489.14
Travel Time Savings for 30 Years (Autos):	32824141.44
Travel Time Savings for 30 Years (Trucks):	1802347.7
Long-Term Employment:	563.23
% Change in Economy:	0.00040198
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	CAMPO 2040 MTP
CTP/LRTP Completion Year:	2013
Submitted by:	Capital Area MPO

* 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:	\$162,105,000	Cost Estimation Tool
Right-of-Way Cost:	\$25,653,000	Cost Estimation Tool
Utilities Cost:	\$3,078,000	Cost Estimation Tool
Total Project Cost:	\$190,836,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$190,836,000	