



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140408

Mode: Highway

Status: Submitted

SR-1728 (Wade Avenue)

From/Cross Street: I-40

Specific Improvement Type: 1 - Widen Existing Roadway

To: I-440

Project Category: Statewide Mobility

Length: 3.07

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$40,579,000

Description:

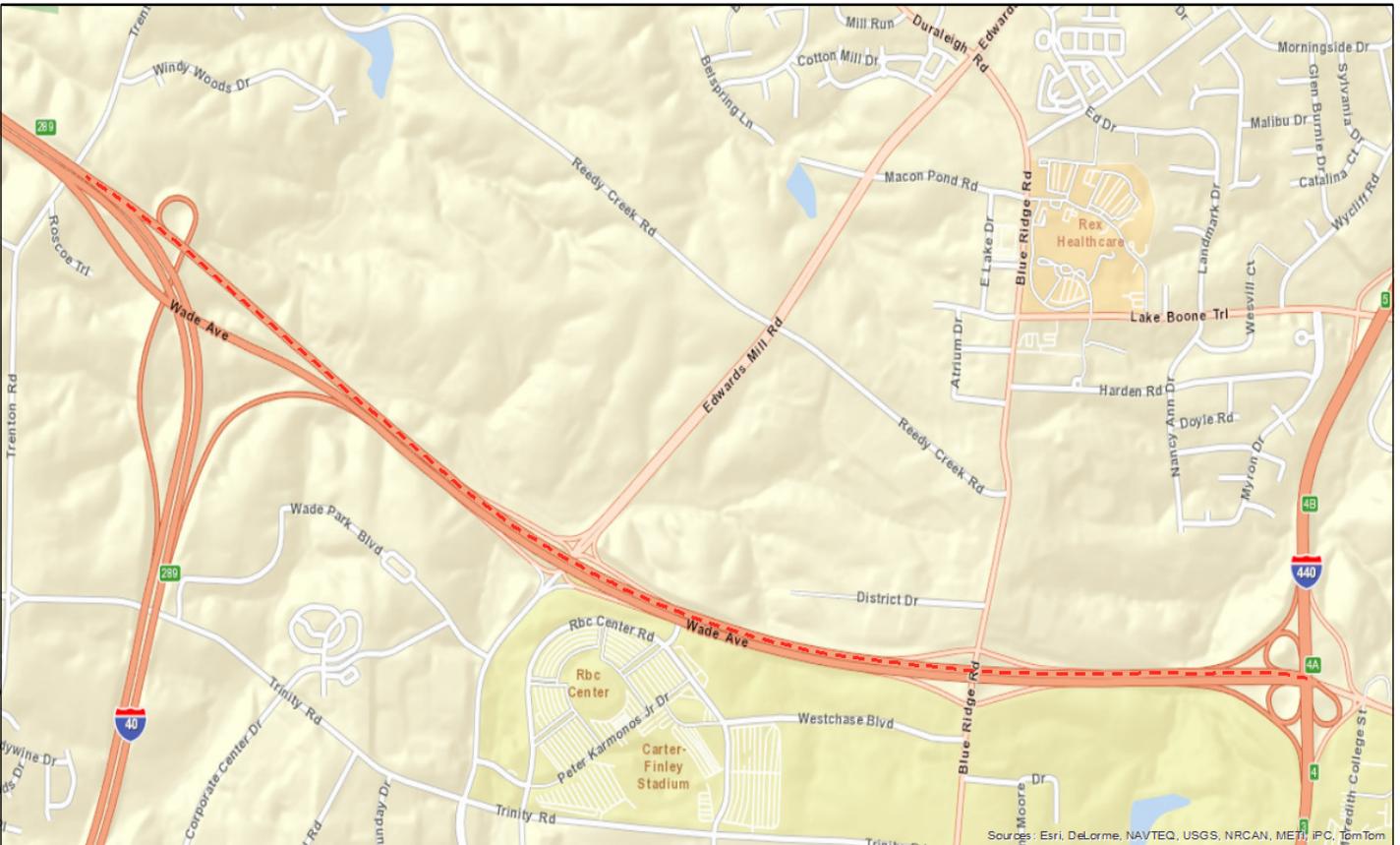
Widen existing roadway from 4 to 6 lanes.

Division(s): Division 5

County(s): WAKE

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

Project Location



Statewide Mobility Total Score: 32.98

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 74.50	N/A	N/A
Safety (10%) 67.04		
Economic Competitiveness (10%) 10.90		
Multimodal + [Freight & Military] (20%) 7.68		
[Travel Time] Benefit/Cost (30%) 4.32		
Totals: Weight: 100% Weighted Score: 32.98		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) 20.79	Percent: 15% Points:	Percent: 15% Points:
Congestion (V/C) (25%) 74.50		
Safety (10%) 67.04		
[Travel Time] Benefit/Cost (25%) 4.32		
Totals: Weight: 70% Weighted Score: 28.49		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 74.50	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 67.04		
[Travel Time] Benefit/Cost (20%) 4.32		
Totals: Weight: 50% Weighted Score: 22.47		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	3.07
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	12
Roadway has Curb & Gutter?	No
Volume (AADT):	62383.85
Capacity:	75539.24
Volume/Capacity Ratio:	0.83
% Autos:	98%
% Trucks:	2%
Truck Volume:	1535.38
Crash Density:	83.58
Crash Severity:	44.08
Critical Crash Rate:	73.46
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	17
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	98
Actual Congested Speed:	46.95
Travel Time Index:	1.17

Project Benefits

Project Cross-Section:	6B - 6 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	60
Length (miles):	3.07
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	8159032.48
Travel Time Savings for 30 Years (Autos):	7958223.29
Travel Time Savings for 30 Years (Trucks):	200809.19
Long-Term Employment:	127.5
% Change in Economy:	9.06E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
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:	\$40,579,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$40,579,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$40,579,000	