



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090574

Mode: Highway

Status: Submitted

I-440, US-1

From/Cross Street: I-40/US 64

Specific Improvement Type: 12 - Ramp Metering

To: Wade Avenue

Project Category: Statewide Mobility

Length: 3.81

TIP#:

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$901,000

Description:

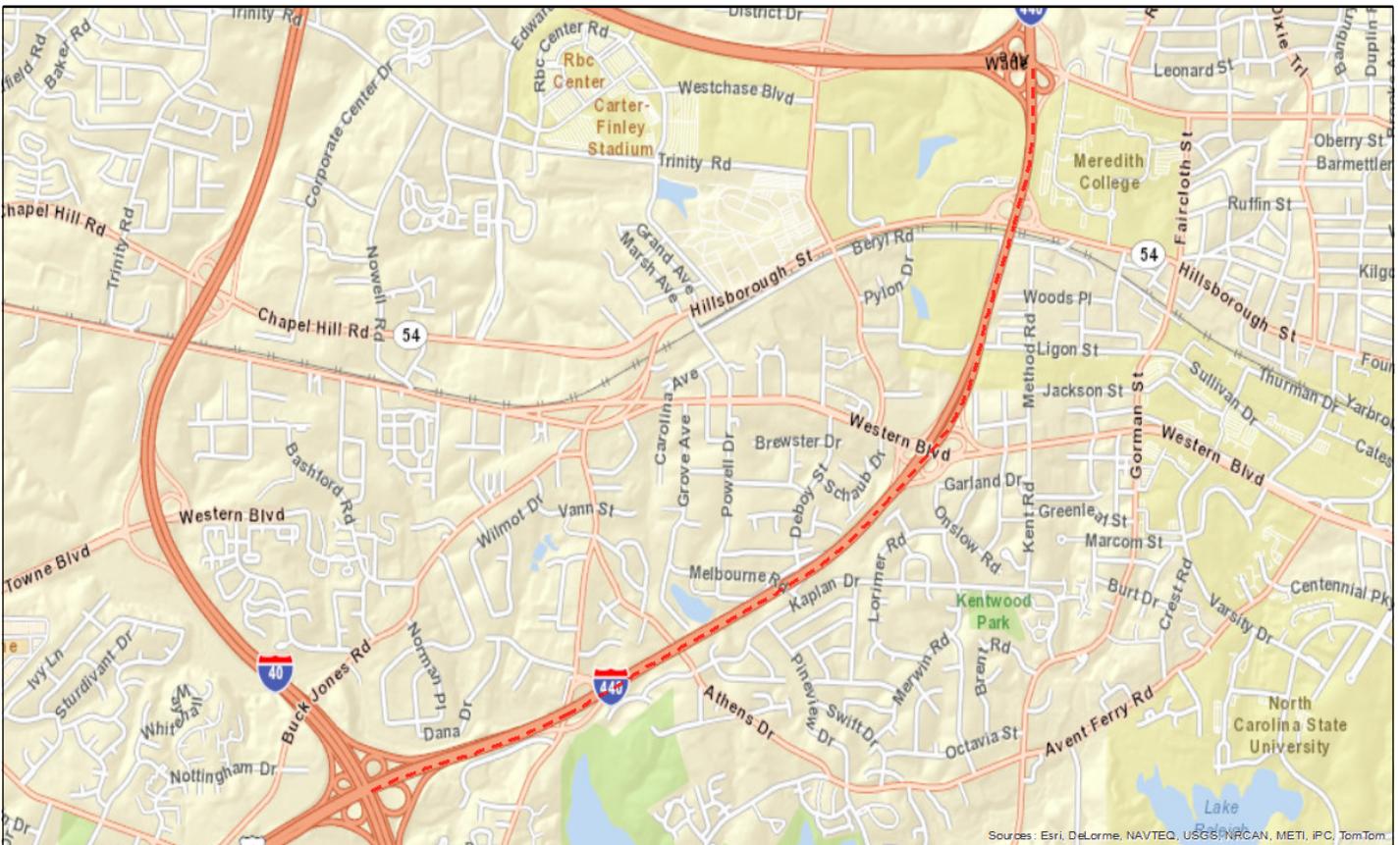
Install Ramp Meters.

Division(s): Division 5

County(s): WAKE

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

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

Statewide Mobility Total Score: 69.92

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 69.82	N/A	N/A
Congestion (V/C) (30%) 97.77		
Economic Competitiveness (10%) 19.35		
Multimodal + [Freight & Military] (20%) 8.37		
[Travel Time] Benefit/Cost (30%) 100.00		
Totals: Weight: 100% Weighted Score: 69.92		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 97.77	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 69.82		
[Travel Time] Benefit/Cost (25%) 100.00		
Accessibility / Connectivity (10%) 26.53		
Totals: Weight: 70% Weighted Score: 59.08		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 97.77	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 69.82		
[Travel Time] Benefit/Cost (20%) 100.00		
Totals: Weight: 50% Weighted Score: 46.54		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	3.81
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	79577.91
Capacity:	72410.98
Volume/Capacity Ratio:	1.1
% Autos:	98%
% Trucks:	2%
Truck Volume:	1673.3
Crash Density:	78.01
Crash Severity:	53.46
Critical Crash Rate:	78.01
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	97
Actual Congested Speed:	50.52
Travel Time Index:	1.03

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	3.81
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	226
% Change in Economy:	0.00016099
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
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:	\$901,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$901,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$901,000	