



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140761

Mode: Highway

Status: Submitted

I-440

From/Cross Street: SR 2000 (Wake Forest Rd)

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

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

Cost to NCDOT: \$6,670,000

Description:

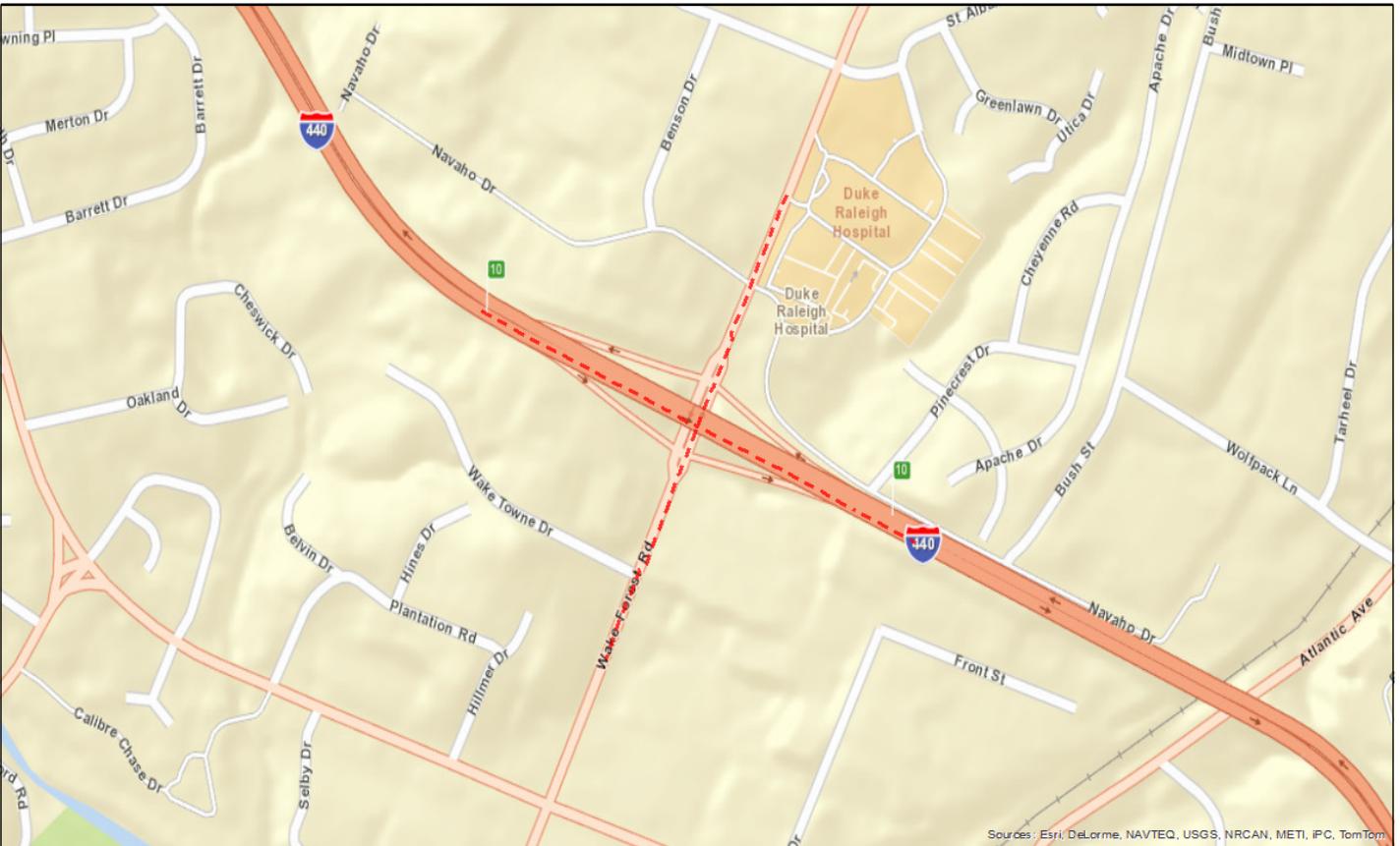
Revise Interchange to DDI

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: 78.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 100.00 Congestion (V/C) (30%) 100.00 Safety (10%) 50.00 Economic Competitiveness (10%) 74.78 Multimodal + [Freight & Military] (20%) 30.32	N/A	N/A
Totals: Weight: 100% Weighted Score: 78.54		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 100.00 Safety (10%) 50.00 [Travel Time] Benefit/Cost (25%) 100.00 Accessibility / Connectivity (10%) 56.31	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 60.63		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 100.00 Safety (10%) 50.00 [Travel Time] Benefit/Cost (20%) 100.00	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 45		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	60
Length (miles);	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	162916.56
Capacity:	156061.16
Volume/Capacity Ratio:	1.04
% Autos:	96%
% Trucks:	4%
Truck Volume:	6064.12
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	100
Actual Congested Speed:	39.35
Travel Time Index:	1.52

Project Benefits

Project Cross-Section:	
Speed Limit:	60
Length (miles):	2
Facility Type:	Freeway
Access Control:	None
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	54034000
Travel Time Savings for 30 Years (Autos):	52022734.58
Travel Time Savings for 30 Years (Trucks):	2011265.42
Long-Term Employment:	874.15
% Change in Economy:	0.00062146
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!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:	\$5,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$920,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$6,670,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$6,670,000	