



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129640-A

Mode: Highway

Status: Submitted

SR-3097 (Aviation Parkway)

From/Cross Street: I-540 in Wake County

Specific Improvement Type: 6 - Widen Existing Roadway and Construct Part on New Location

To: US 70 in Durham County

Project Category: Division Needs

Length: 2.57

TIP#: U-4721A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$119,700,000

Description:

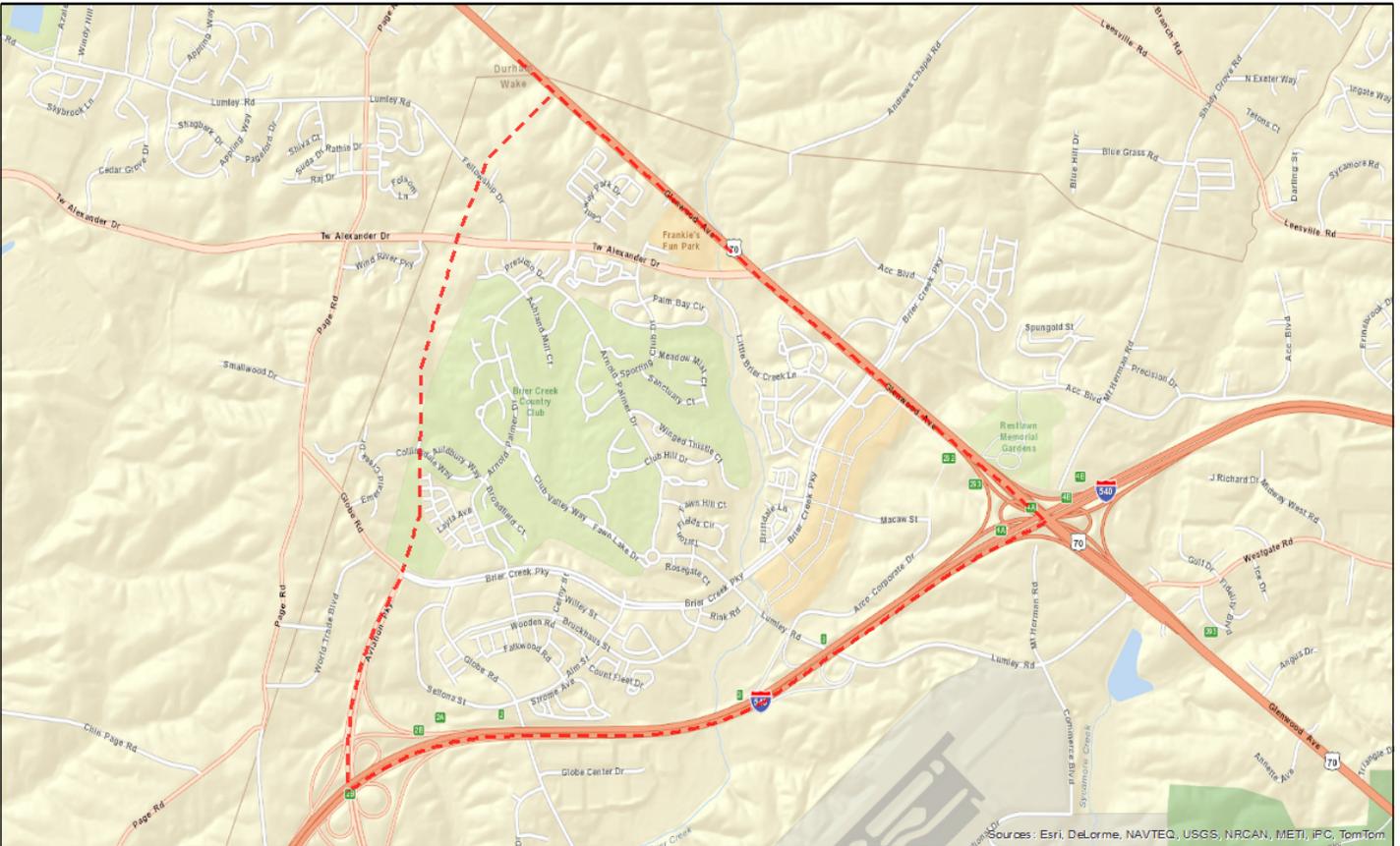
Widen to Six Lanes, Part on New Location

Division(s): Division 5

County(s): WAKE

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

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 0% Weighted Score: 0		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 64.78 Congestion (V/C) (20%) 67.81 [Travel Time] Benefit/Cost (20%) 5.24	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 21.09		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	59
Length (miles):	5.1
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	7
Roadway has Curb & Gutter?	No
Volume (AADT):	63790.92
Capacity:	90505.17
Volume/Capacity Ratio:	0.7
% Autos:	95%
% Trucks:	5%
Truck Volume:	2899.87
Crash Density:	74.3
Crash Severity:	48.65
Critical Crash Rate:	71.39
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	16
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	76
Actual Congested Speed:	52.22
Travel Time Index:	1.14

Project Benefits

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	2.57
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):	27979923.46
Travel Time Savings for 30 Years (Autos):	26707986.34
Travel Time Savings for 30 Years (Trucks):	1271937.12
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
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:	\$71,000,000	TIP Unit
Right-of-Way Cost:	\$45,500,000	TIP Unit
Utilities Cost:	\$3,200,000	TIP Unit
Total Project Cost:	\$119,700,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$119,700,000	