



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H129640-B

**Mode:** Highway

**Status:** Submitted

## (New Route - Northern Durham Parkway)

**From/Cross Street:** US 70

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** NC 98

**Project Category:** Division Needs

**Length:** 8.1

**TIP#:** U-4721B

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$37,100,000

### Description:

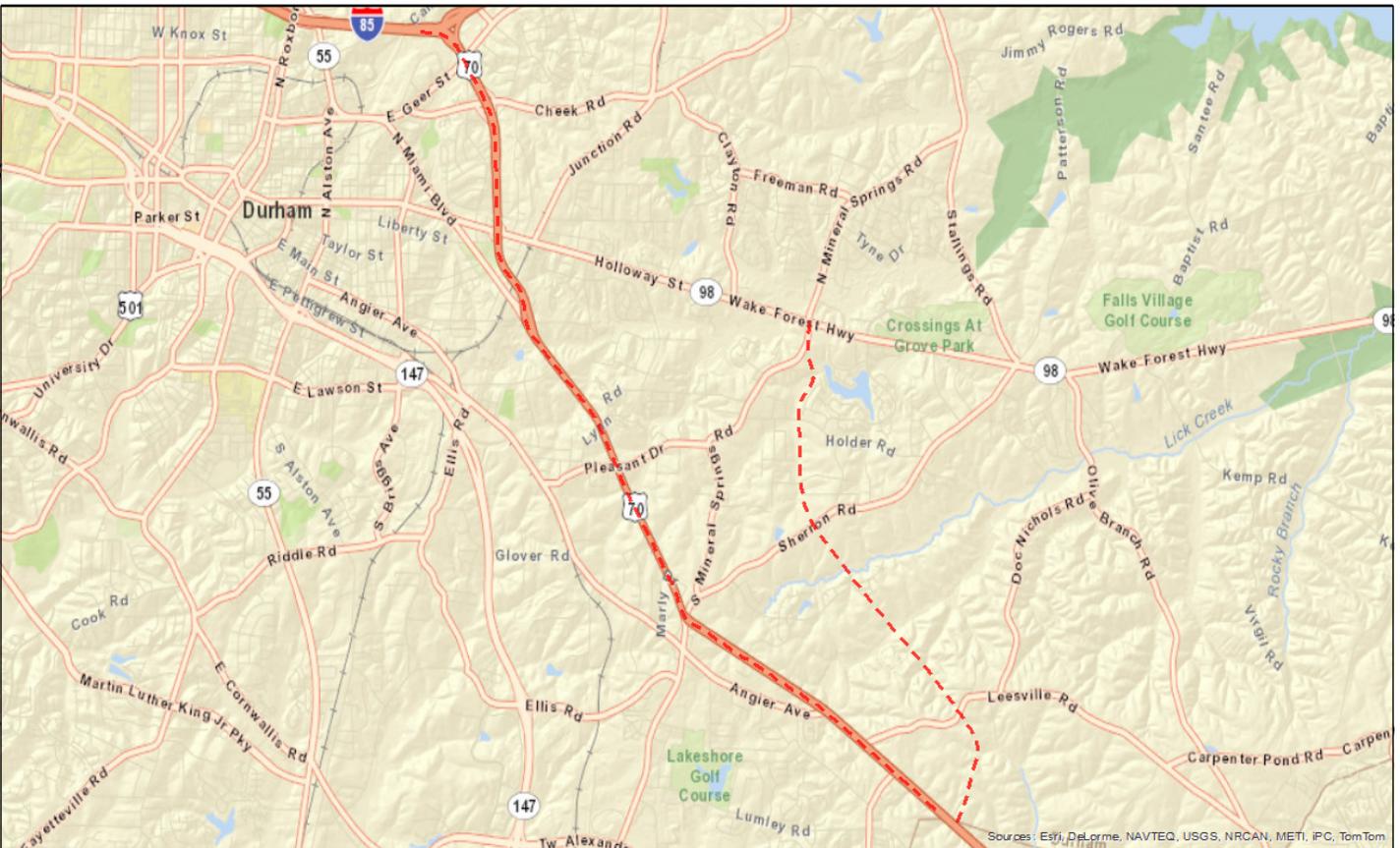
Construct Multi-Lanes on New Location

**Division(s):** Division 5

**County(s):** DURHAM, WAKE

**MPOS(s)/RPO(s):** Durham Chapel Hill Carrboro MPO, Capital Area MPO

### Project Location



**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 0**

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

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%)                      61.75 Safety (10%)                                      66.94 [Travel Time] Benefit/Cost (20%)            9.98	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 21.04</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	9.6
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	34045.59
Capacity:	42436.19
Volume/Capacity Ratio:	0.8
% Autos:	93%
% Trucks:	7%
Truck Volume:	2279.4
Crash Density:	76.73
Crash Severity:	53.45
Critical Crash Rate:	70.64
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:	91
Actual Congested Speed:	49.8
Travel Time Index:	1.13

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	8.1
Facility Type:	Arterial
Access Control:	Limited
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	34512940.2
Travel Time Savings for 30 Years (Autos):	32202250.78
Travel Time Savings for 30 Years (Trucks):	2310689.42
Long-Term Employment:	
% Change in Economy:	
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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 5	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Durham Chapel Hill Carrboro MPO	99%	0	0
Capital Area MPO	1%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$29,200,000	TIP Unit
Right-of-Way Cost:	\$6,300,000	TIP Unit
Utilities Cost:	\$1,600,000	TIP Unit
Total Project Cost:	\$37,100,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$37,100,000</b>	