



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090859

Mode: Highway

Status: Submitted

## (New Route - T.W. Alexander Drive Extension)

From/Cross Street: ACC Boulevard

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Leesville Road

Project Category: Division Needs

Length: 1.44

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$11,383,000

### Description:

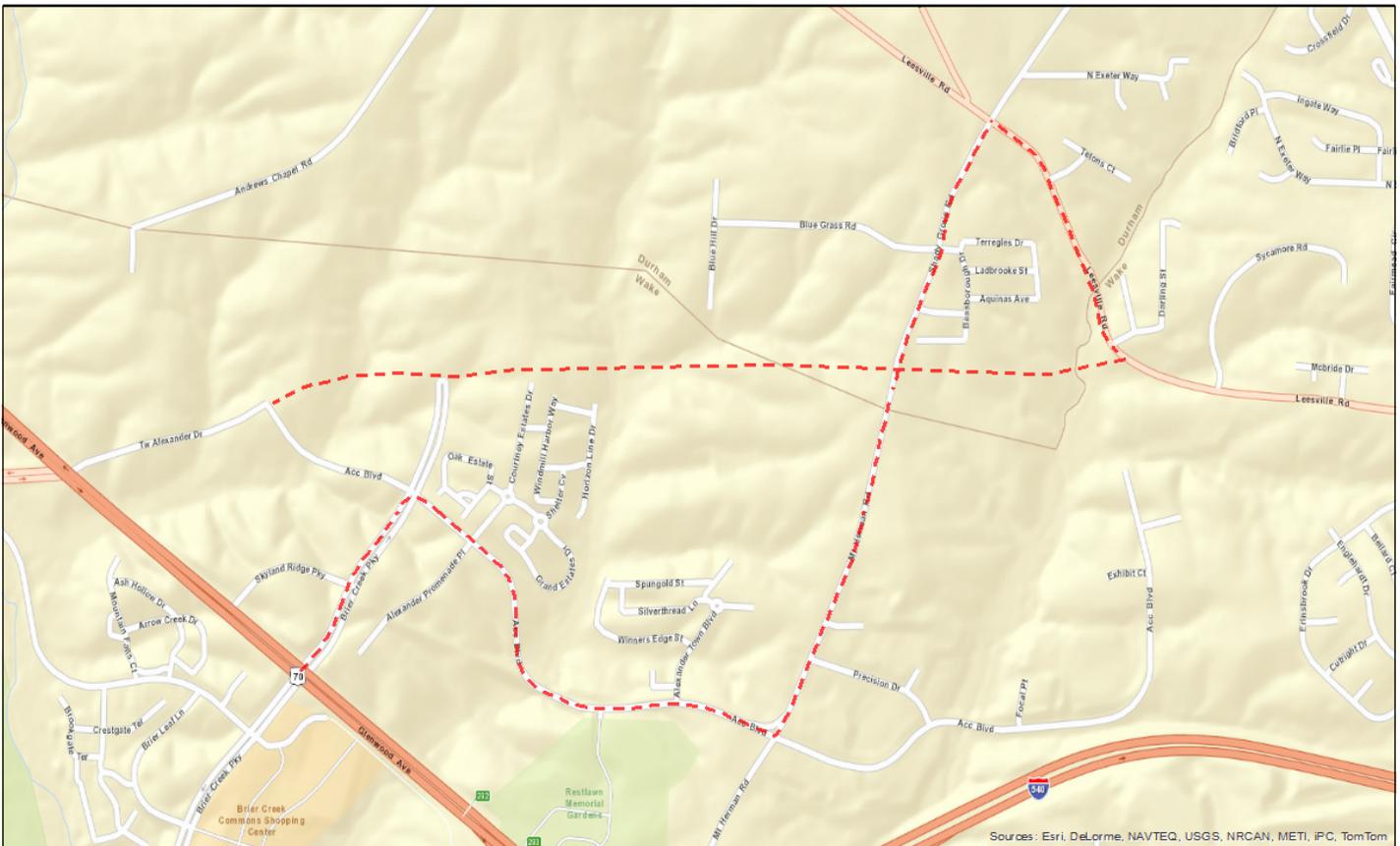
Extension of Tw Alexander Drive (4 Lanes New Location)

Division(s): Division 5

County(s): WAKE, DURHAM

MPOS(s)/RPO(s): Capital Area MPO, Durham Chapel Hill Carrboro 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%)                      0.00 Safety (10%)                                      50.23 [Travel Time] Benefit/Cost (20%)            0.00	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 5.02</b>		

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

Existing Cross-Section:	
Speed Limit:	40
Length (miles);	2.7
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	0
Capacity:	15747.86
Volume/Capacity Ratio:	0
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	85.29
Crash Severity:	31.76
Critical Crash Rate:	33.64
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	69
Actual Congested Speed:	6.34
Travel Time Index:	1.06

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.44
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	10
DOT Design Paved Shoulder Width:	0
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:	
% 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>
Capital Area MPO	67%	0	0
Durham Chapel Hill Carrboro MPO	33%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$9,462,000	TIP Unit
Right-of-Way Cost:	\$1,715,000	Cost Estimation Tool
Utilities Cost:	\$206,000	Cost Estimation Tool
Total Project Cost:	\$11,383,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$11,383,000</b>	