



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140715

Mode: Highway

Status: Submitted

## (Olive Branch Road Extension)

From/Cross Street: NC 98

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

To: Wake County Line

Project Category: Division Needs

Length: 4.3

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$33,746,000

### Description:

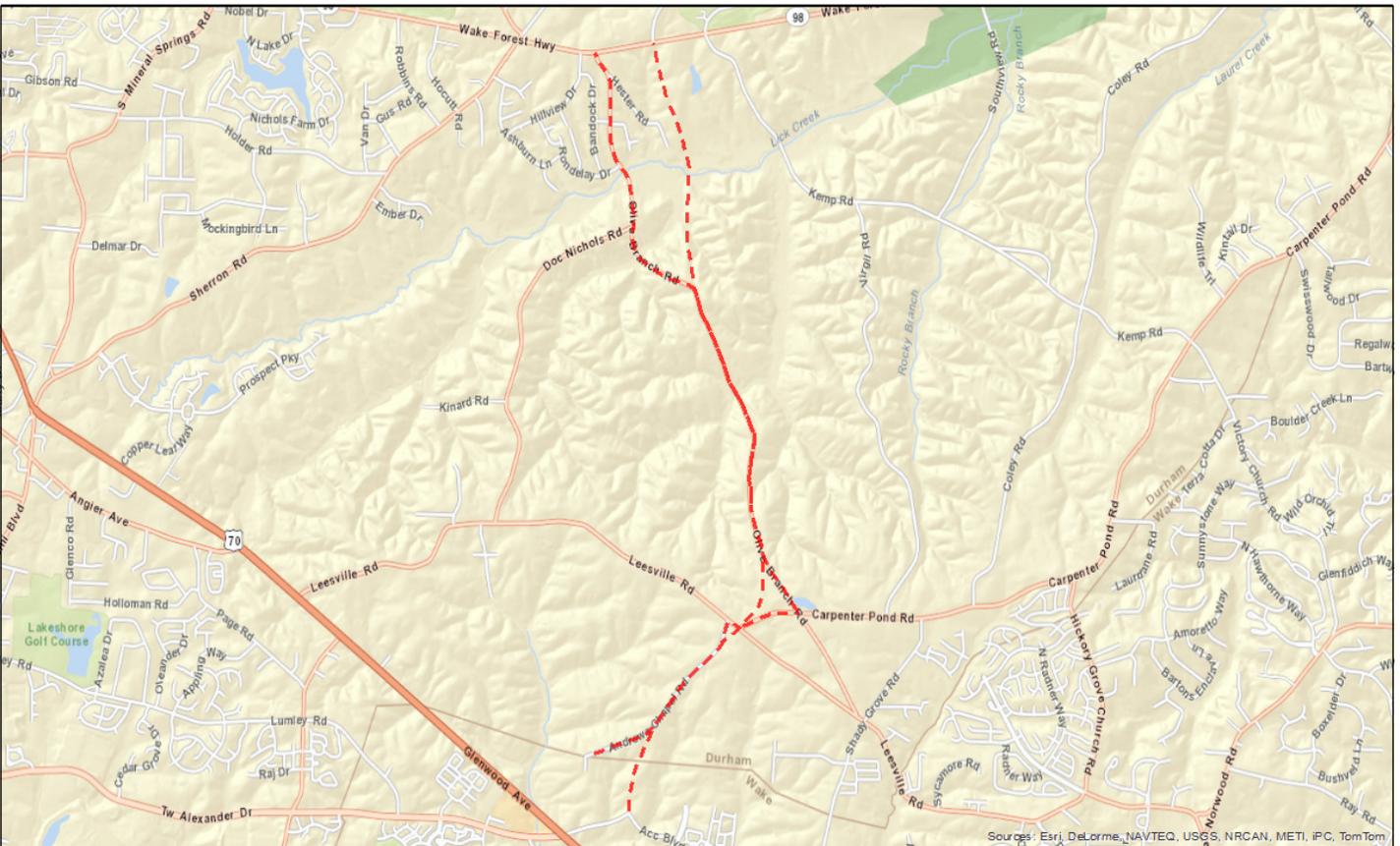
Construct roadway on new location.

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%)                      7.19 Safety (10%)                                      27.75 [Travel Time] Benefit/Cost (20%)            0.33	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 4.28</b>		

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

Existing Cross-Section:	
Speed Limit:	43
Length (miles):	5.1
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Local
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	1712.85
Capacity:	15797.94
Volume/Capacity Ratio:	0.11
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	41.8
Crash Severity:	26.2
Critical Crash Rate:	15.25
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):	Undivided
Pavement Condition Rating:	88
Actual Congested Speed:	28.01
Travel Time Index:	1.61

**Project Benefits**

Project Cross-Section:	3B - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, and Sidewalks
Speed Limit:	45
Length (miles):	4.3
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	11
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	512751.24
Travel Time Savings for 30 Years (Autos):	512751.24
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?	Yes
CTP/LRTP Name:	2040 MTP
CTP/LRTP Completion Year:	2013
Submitted by:	Durham Chapel Hill Carrboro MPO

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line 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	94%	0	0
Capital Area MPO	6%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$32,001,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,558,000	Cost Estimation Tool
Utilities Cost:	\$187,000	Cost Estimation Tool
Total Project Cost:	\$33,746,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$33,746,000</b>	