



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090185-A

**Mode:** Highway

**Status:** Submitted

## NC-73

**From/Cross Street:** Business NC 16 Lincoln County

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** Vance Road Extension / Beatties Ford Road

**Project Category:** Regional Impact

**Length:** 4.9

**TIP#:** R-2706

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$44,258,000

### Description:

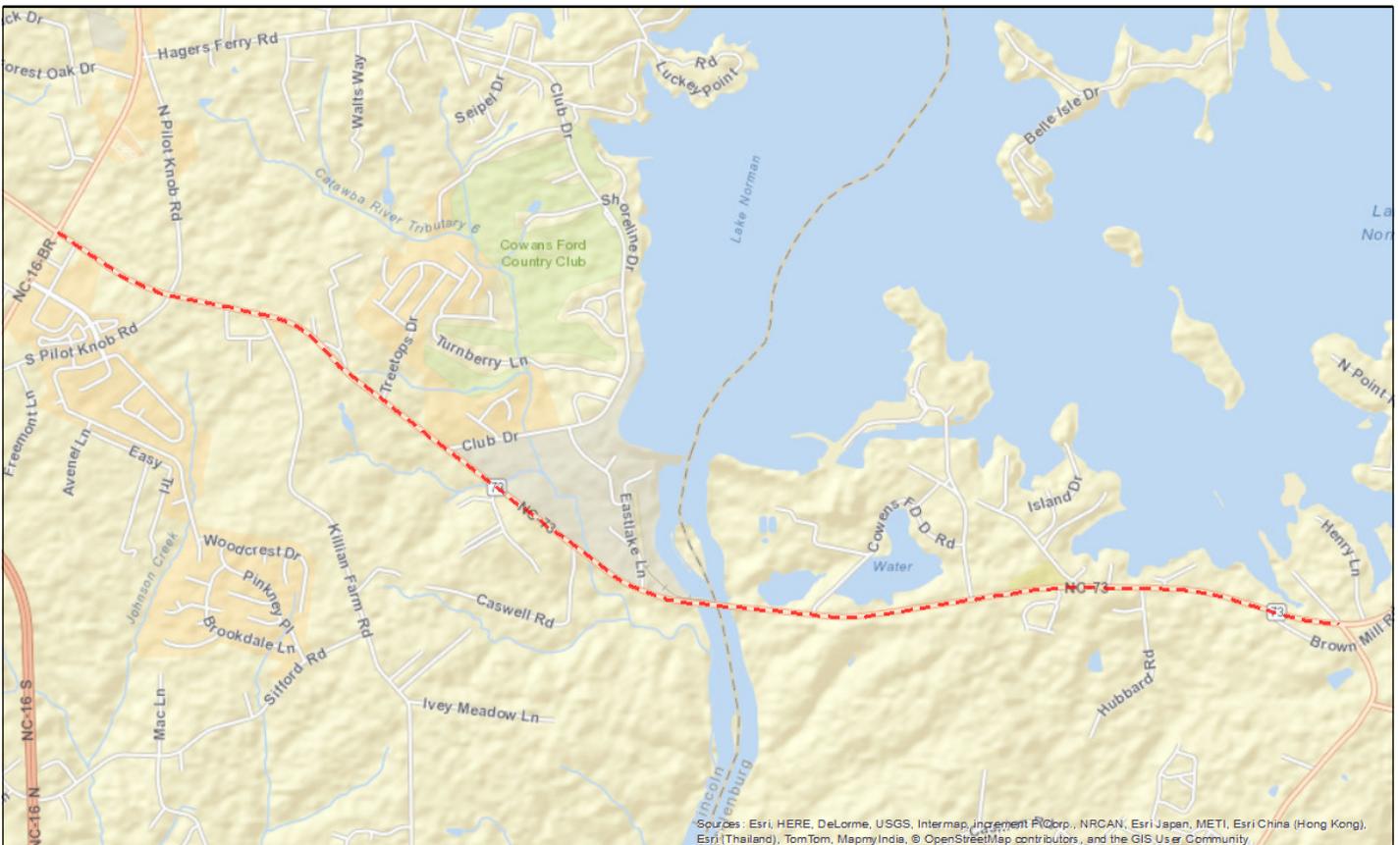
Widen to Multi-Lanes.

**Division(s):** Division 12, Division 10

**County(s):** LINCOLN, MECKLENBURG

**MPOS(s)/RPO(s):** Gaston-Cleveland-Lincoln MPO, Charlotte Regional Transportation Planning Organization

### Project Location



**Statewide Mobility Total Score: 0**

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

**Regional Impact Total Score: 67.41**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 86.76	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 59.08		
[Travel Time] Benefit/Cost (25%) 8.61		
Accessibility / Connectivity (10%) 76.59		
<b>Totals: Weight: 70% Weighted Score: 37.41</b>		

**Division Needs Total Score: 38.73**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 86.76	Percent: 25% Points: 0	Percent: 25% Points: 55
Safety (10%) 59.08		
[Travel Time] Benefit/Cost (20%) 8.61		
<b>Totals: Weight: 50% Weighted Score: 24.98</b>		

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

Existing Cross-Section:	
Speed Limit:	51
Length (miles):	4.9
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	20472.66
Capacity:	15632.84
Volume/Capacity Ratio:	1.31
% Autos:	93%
% Trucks:	7%
Truck Volume:	1332.98
Crash Density:	81.44
Crash Severity:	54.93
Critical Crash Rate:	40.9
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	31
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	84
Actual Congested Speed:	39
Travel Time Index:	1.3

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	51
Length (miles):	4.9
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	16867473.84
Travel Time Savings for 30 Years (Autos):	15769231.73
Travel Time Savings for 30 Years (Trucks):	1098242.11
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 10

\* 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 12	55%	55	0
Division 10	45%	45	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Gaston-Cleveland-Lincoln MPO	55%	55	55
Charlotte Regional Transportation Planning Organization	45%	45	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>55</b>

**Project Cost and Source**

Construction Cost:	\$36,173,000	TIP Unit
Right-of-Way Cost:	\$5,522,000	TIP Unit
Utilities Cost:	\$2,563,000	TIP Unit
Total Project Cost:	\$44,258,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$44,258,000</b>	