



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090084-A

**Mode:** Highway

**Status:** Submitted

## NC-150

**From/Cross Street:** Relocated NC 16

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

**To:** SR 1902 (Harvel Road)

**Project Category:** Regional Impact

**Length:** 7.92

**TIP#:** R-2307A

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$106,156,000

### Description:

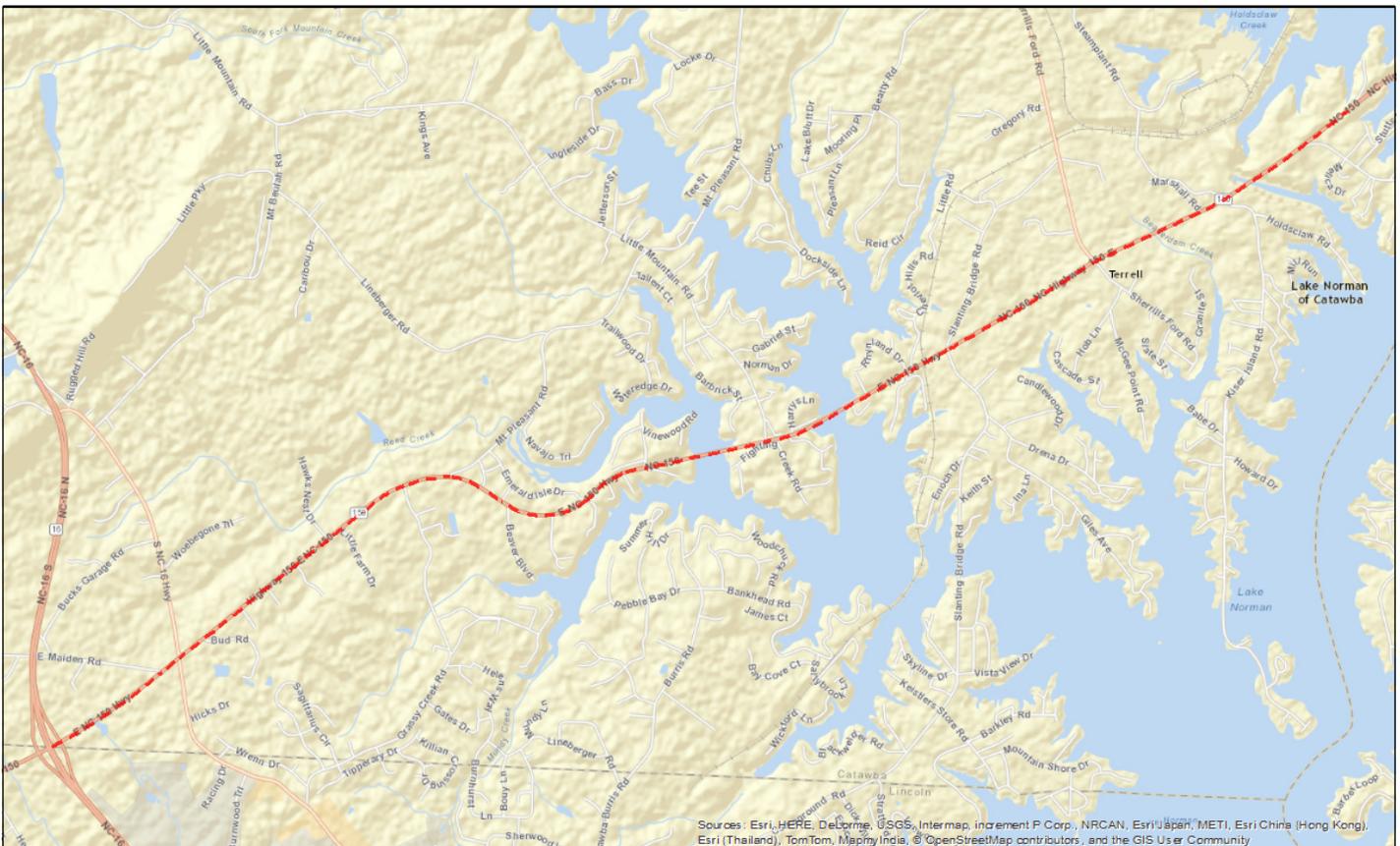
Widen to Multi-Lanes

**Division(s):** Division 12

**County(s):** CATAWBA

**MPOS(s)/RPO(s):** Greater Hickory MPO

### 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: 54.21**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 47.62	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 73.65		
[Travel Time] Benefit/Cost (25%) 0.56		
Accessibility / Connectivity (10%) 47.97		
<b>Totals: Weight: 70% Weighted Score: 24.21</b>		

**Division Needs Total Score: 42**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 47.62	Percent: 25% Points: 0	Percent: 25% Points: 100
Safety (10%) 73.65		
[Travel Time] Benefit/Cost (20%) 0.56		
<b>Totals: Weight: 50% Weighted Score: 17</b>		

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	7.92
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):	11240.51
Capacity:	15640.44
Volume/Capacity Ratio:	0.72
% Autos:	94%
% Trucks:	6%
Truck Volume:	650.58
Crash Density:	87.6
Crash Severity:	70.7
Critical Crash Rate:	62.65
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	29
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	44.22
Travel Time Index:	1.24

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	7.92
Facility Type:	Multi-Lane Highway
Access Control:	Partial
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):	2638695.49
Travel Time Savings for 30 Years (Autos):	2485973.35
Travel Time Savings for 30 Years (Trucks):	152722.14
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 12

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

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Greater Hickory MPO	100%	100	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$66,788,000	Cost Estimation Tool
Right-of-Way Cost:	\$39,368,000	Cost Estimation Tool
Utilities Cost:	\$4,724,000	Cost Estimation Tool
Total Project Cost:	\$106,156,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$106,156,000</b>	