



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090084-C

**Mode:** Highway

**Status:** Submitted

## NC-150

**From/Cross Street:** Perth Road in Iredell County

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

**To:** I-77

**Project Category:** Regional Impact

**Length:** 2.19

**TIP#:** R-2307C

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$24,512,000

### Description:

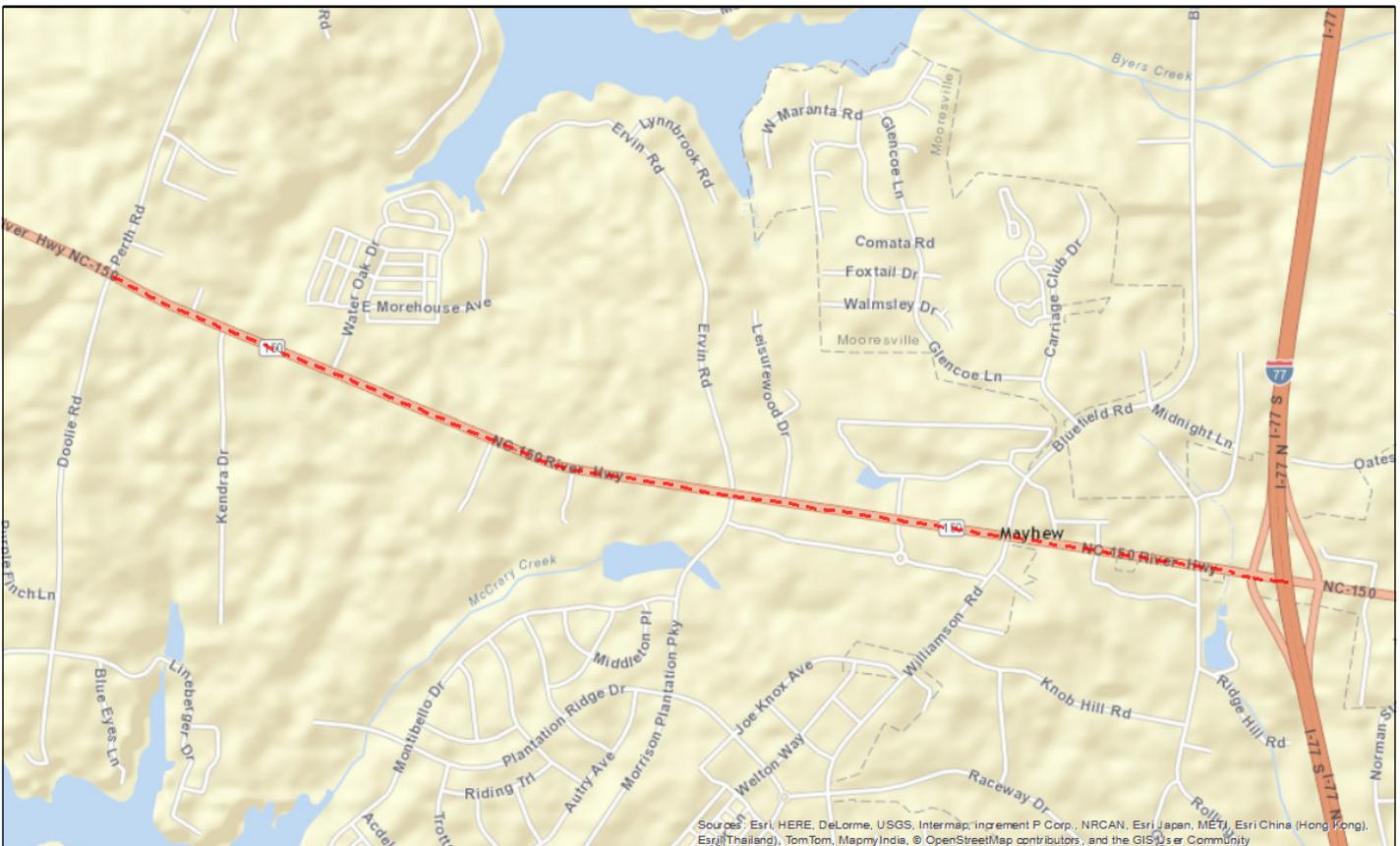
Widen to Multi-Lanes

**Division(s):** Division 12

**County(s):** IREDELL

**MPOS(s)/RPO(s):** 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: 64.54**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 85.58	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 88.73		
[Travel Time] Benefit/Cost (25%) 9.17		
Accessibility / Connectivity (10%) 19.76		
<b>Totals: Weight: 70% Weighted Score: 34.54</b>		

**Division Needs Total Score: 27.82**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 85.58	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 88.73		
[Travel Time] Benefit/Cost (20%) 9.17		
<b>Totals: Weight: 50% Weighted Score: 27.82</b>		

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

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.19
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	29268.01
Capacity:	23771.5
Volume/Capacity Ratio:	1.23
% Autos:	94%
% Trucks:	6%
Truck Volume:	1625.51
Crash Density:	99.82
Crash Severity:	66.58
Critical Crash Rate:	99.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	90
Actual Congested Speed:	36.22
Travel Time Index:	1.24

**Project Benefits**

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	45
Length (miles):	2.19
Facility Type:	Arterial
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):	9985518.78
Travel Time Savings for 30 Years (Autos):	9430936.45
Travel Time Savings for 30 Years (Trucks):	554582.33
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 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
Charlotte Regional Transportation Planning Organization	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$19,767,000	TIP Unit
Right-of-Way Cost:	\$2,512,000	TIP Unit
Utilities Cost:	\$2,233,000	TIP Unit
Total Project Cost:	\$24,512,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$24,512,000</b>	