



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090700

**Mode:** Highway

**Status:** Submitted

## NC-49

**From/Cross Street:** Randolph County Line

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

**To:** Pee Dee River

**Project Category:** Statewide Mobility

**Length:** 8.78

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$95,229,000

### Description:

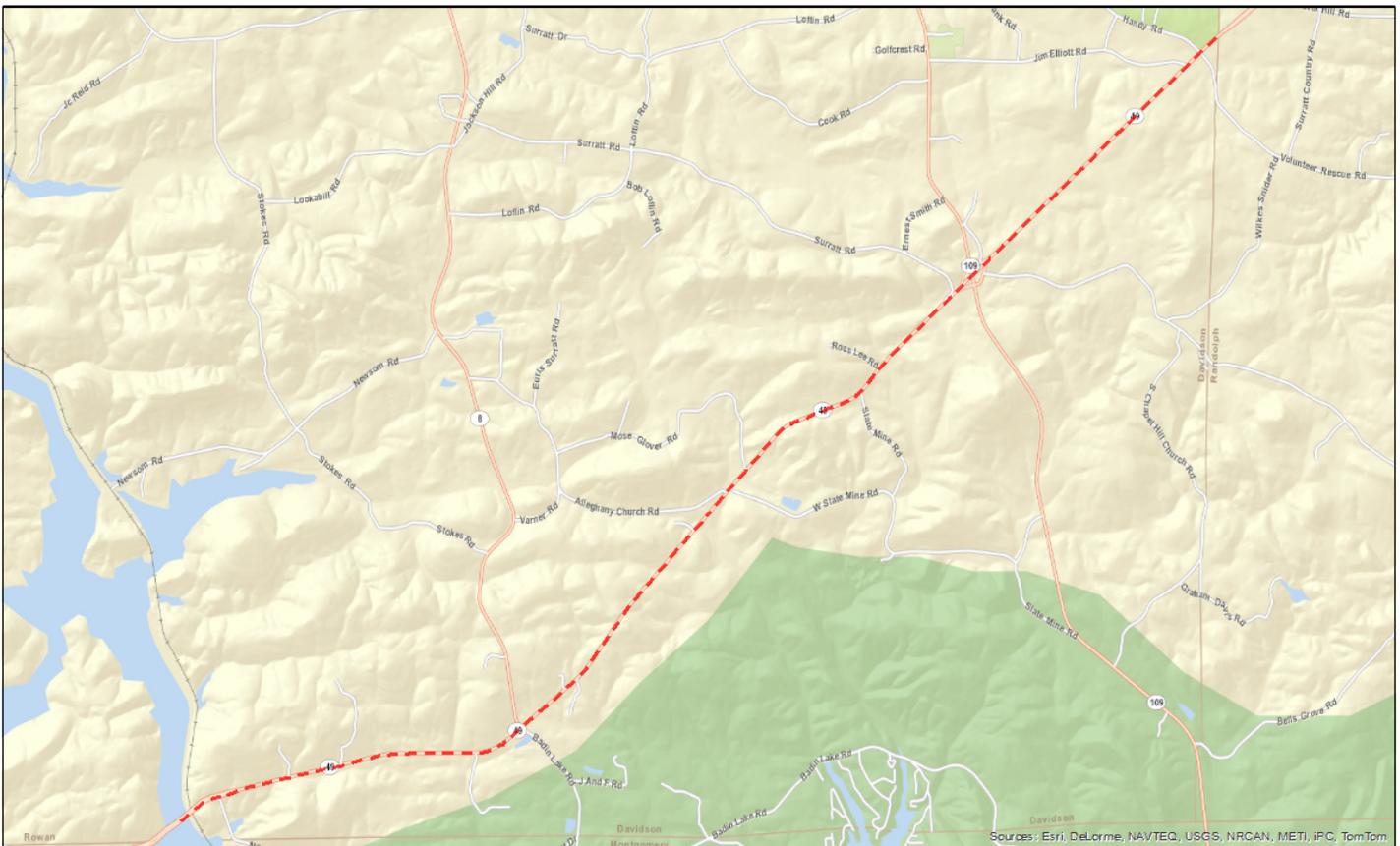
Widen to Multi-Lanes from Existing Four Lanes at Randolph County Line to Existing Four Lanes near Pee Dee River..

**Division(s):** Division 9

**County(s):** DAVIDSON

**MPOS(s)/RPO(s):** High Point Urban Area MPO, Piedmont Triad RPO, Cabarrus Rowan MPO

### Project Location



**Statewide Mobility Total Score: 11**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	18.90	N/A	N/A
Safety (10%)	44.80		
Economic Competitiveness (10%)	0.14		
Multimodal + [Freight & Military] (20%)	4.16		
[Travel Time] Benefit/Cost (30%)	0.02		
<b>Totals: Weight: 100% Weighted Score: 11</b>			

**Regional Impact Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	18.90	Percent: 15% Points:	Percent: 15% Points:
Safety (10%)	44.80		
[Travel Time] Benefit/Cost (25%)	0.02		
Accessibility / Connectivity (10%)	34.15		
<b>Totals: Weight: 70% Weighted Score: 12.63</b>			

**Division Needs Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	18.90	Percent: 25% Points:	Percent: 25% Points:
Safety (10%)	44.80		
[Travel Time] Benefit/Cost (20%)	0.02		
<b>Totals: Weight: 50% Weighted Score: 8.26</b>			

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	8.78
Facility Type:	Two Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	5307.82
Capacity:	18977.12
Volume/Capacity Ratio:	0.28
% Autos:	84%
% Trucks:	16%
Truck Volume:	832.21
Crash Density:	45.97
Crash Severity:	54.4
Critical Crash Rate:	34.05
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	30
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	75
Actual Congested Speed:	56.76
Travel Time Index:	0.96

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	8.78
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:	2
Travel Time Savings for 30 Years (Total):	66075.29
Travel Time Savings for 30 Years (Autos):	55715.38
Travel Time Savings for 30 Years (Trucks):	10359.91
Long-Term Employment:	1
% Change in Economy:	1.76E-06
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 9

\* 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 9	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
High Point Urban Area MPO	100%	0	0
Piedmont Triad RPO	0%	0	0
Cabarrus Rowan MPO	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$87,894,000	TIP Unit
Right-of-Way Cost:	\$6,549,000	Cost Estimation Tool
Utilities Cost:	\$786,000	Cost Estimation Tool
Total Project Cost:	\$95,229,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$95,229,000</b>	