



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090871

**Mode:** Highway

**Status:** Submitted

## NC-50

**From/Cross Street:** NC 98

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

**To:** West Church Street

**Project Category:** Regional Impact

**Length:** 9.06

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$72,017,000

### Description:

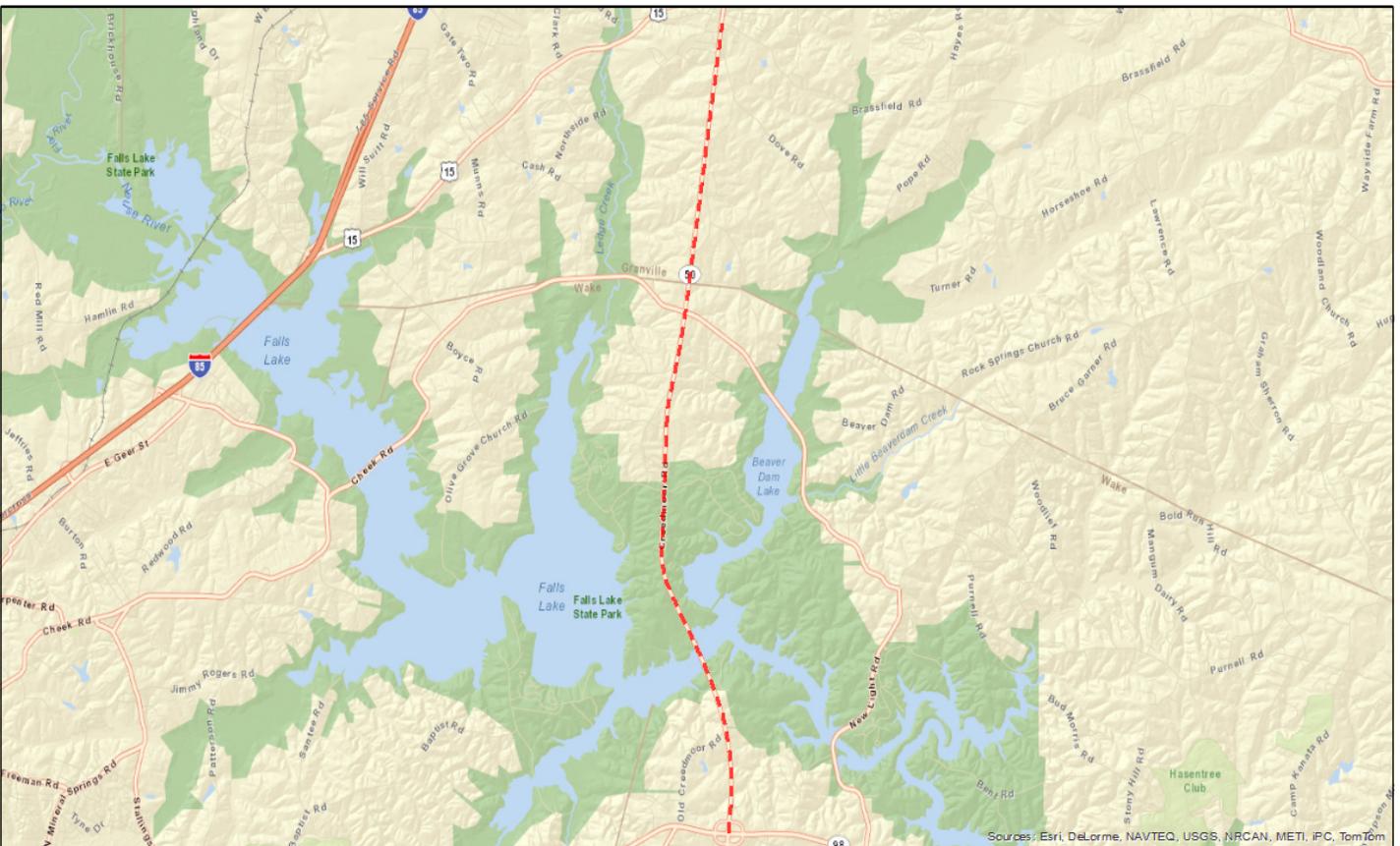
Widen from 2 to 4 Lanes.

**Division(s):** Division 5

**County(s):** WAKE, GRANVILLE

**MPOS(s)/RPO(s):** Capital Area 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: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 61.57	Percent: 15% Points:	Percent: 15% Points:
Congestion (V/C) (25%) 33.55		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 16.63		
<b>Totals: Weight: 70% Weighted Score: 16.21</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 61.57	Percent: 25% Points:	Percent: 25% Points:
[Travel Time] Benefit/Cost (20%) 0.00		
Congestion (V/C) (20%) 33.55		
<b>Totals: Weight: 50% Weighted Score: 12.87</b>		

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

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	9.06
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	7890.86
Capacity:	15579.54
Volume/Capacity Ratio:	0.51
% Autos:	93%
% Trucks:	7%
Truck Volume:	564.74
Crash Density:	75.08
Crash Severity:	62.09
Critical Crash Rate:	47.55
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	85
Actual Congested Speed:	46.54
Travel Time Index:	1.16

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	9.06
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	-9809906
Travel Time Savings for 30 Years (Autos):	-9107828.63
Travel Time Savings for 30 Years (Trucks):	-702077.37
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 5

\* 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**

Division	Percent	Regional Impact	Division Needs
Division 5	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
Capital Area MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$66,234,000	TIP Unit
Right-of-Way Cost:	\$5,163,000	Cost Estimation Tool
Utilities Cost:	\$620,000	Cost Estimation Tool
Total Project Cost:	\$72,017,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$72,017,000</b>	