



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141056

**Mode:** Highway

**Status:** Submitted

## NC-55

**From/Cross Street:** NC 540

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

**To:** SR 1624 (Carpenter Firestation Rd/ Proposed SR 3014 (Morrisville-Carpenter Rd) Realignment

**Project Category:** Regional Impact

**Length:** 1.39

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$4,435,000

### Description:

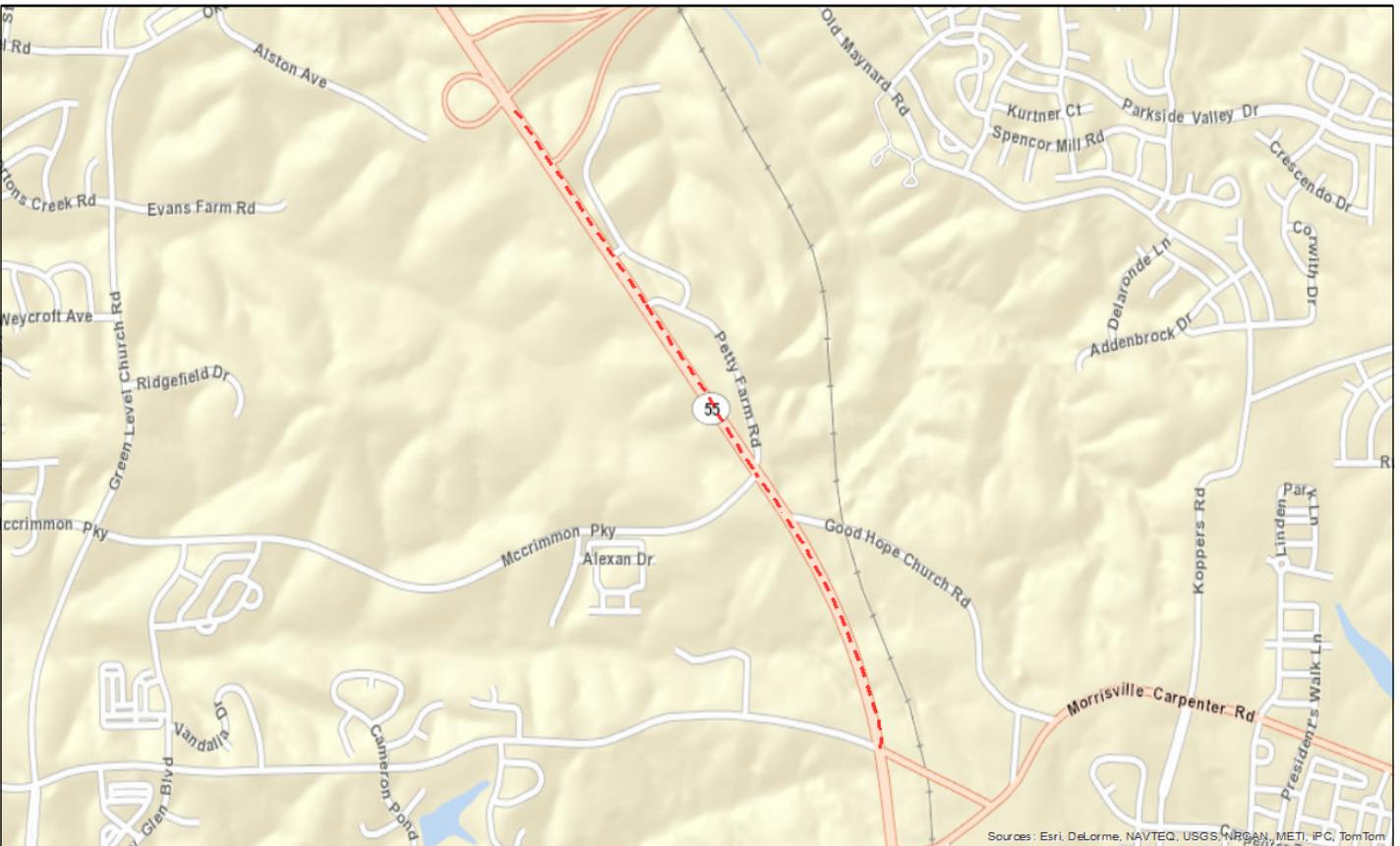
Widen to a 6 Lane Divided

**Division(s):** Division 5

**County(s):** WAKE

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

### Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRI, NPS, METI, IPC, TomTom

**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
Congestion (V/C) (25%) 66.49	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 64.70		
[Travel Time] Benefit/Cost (25%) 1.10		
Accessibility / Connectivity (10%) 11.67		
<b>Totals: Weight: 70% Weighted Score: 24.54</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 66.49	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 64.70		
[Travel Time] Benefit/Cost (20%) 1.10		
<b>Totals: Weight: 50% Weighted Score: 19.99</b>		

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	1.39
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	29000
Capacity:	31700
Volume/Capacity Ratio:	0.91
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	86.64
Crash Severity:	32.83
Critical Crash Rate:	74.66
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	92
Actual Congested Speed:	43
Travel Time Index:	1.28

**Project Benefits**

Project Cross-Section:	6F - 6 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.39
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):	222575.13
Travel Time Savings for 30 Years (Autos):	222575.13
Travel Time Savings for 30 Years (Trucks):	0
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?	Yes
CTP/LRTP Name:	2040 MTP
CTP/LRTP Completion Year:	2012
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:	\$3,948,000	Cost Estimation Tool
Right-of-Way Cost:	\$435,000	Cost Estimation Tool
Utilities Cost:	\$52,000	Cost Estimation Tool
Total Project Cost:	\$4,435,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$4,435,000</b>	