



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090329

**Mode:** Highway

**Status:** Submitted

## NC-48

**From/Cross Street:** Roanoke Avenue in Halifax County

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

**To:** NC 46 in Gaston in Northampton County

**Project Category:** Regional Impact

**Length:** 1.71

**TIP#:** U-2419

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$30,987,000

### Description:

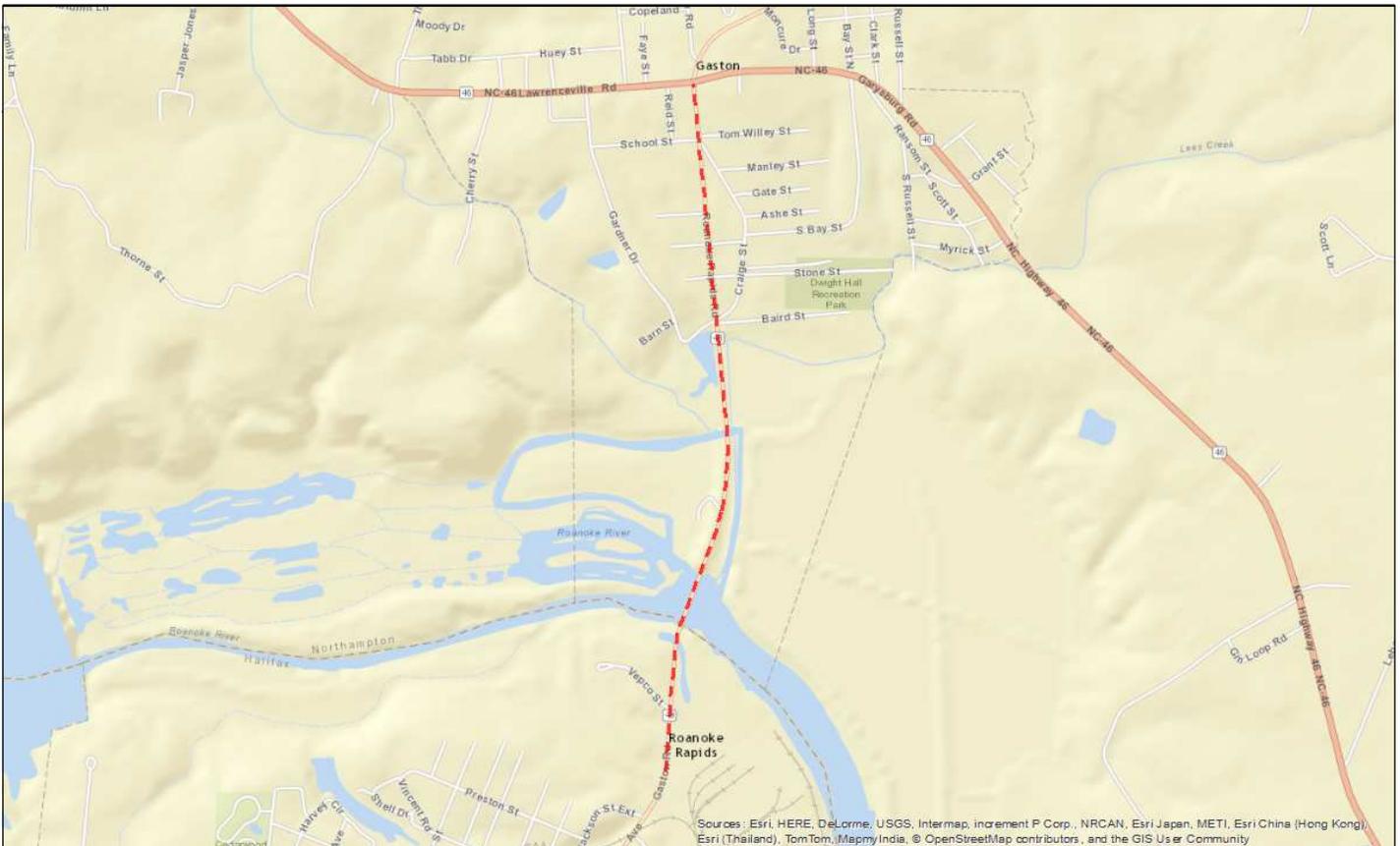
Roanoke Avenue in Halifax County to NC 46 in Gaston in Northampton County. Widen to Multi-Lanes.

**Division(s):** Division 1, Division 4

**County(s):** NORTHAMPTON, HALIFAX

**MPOS(s)/RPO(s):** Peanut Belt RPO

### 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: 35.72**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 46.28	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (15%) 24.09		
Lane Width (10%) 0.00		
[Paved] Shoulder Width (10%) 100.00		
[Travel Time] Benefit/Cost (20%) 0.82		
<b>Totals: Weight: 70% Weighted Score: 20.72</b>		

**Division Needs Total Score: 17.12**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 46.28	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 24.09		
[Paved] Shoulder Width (10%) 100.00		
[Travel Time] Benefit/Cost (10%) 0.82		
Lane Width (10%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 17.12</b>		

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

Existing Cross-Section:	
Speed Limit:	43
Length (miles);	1.71
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	11025.87
Capacity:	15800.17
Volume/Capacity Ratio:	0.7
% Autos:	92%
% Trucks:	8%
Truck Volume:	832.32
Crash Density:	16.89
Crash Severity:	55.4
Critical Crash Rate:	0
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	46
Actual Congested Speed:	36.59
Travel Time Index:	1.18

**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):	1.71
Facility Type:	Arterial
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):	1116555.5
Travel Time Savings for 30 Years (Autos):	1032269
Travel Time Savings for 30 Years (Trucks):	84286.5
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 1

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 1	80%	0	0
Division 4	20%	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
Peanut Belt RPO	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:	\$29,754,000	TIP Unit
Right-of-Way Cost:	\$1,101,000	Cost Estimation Tool
Utilities Cost:	\$132,000	Cost Estimation Tool
Total Project Cost:	\$30,987,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$30,987,000</b>	