



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H129113-A

**Mode:** Highway

**Status:** Submitted

## US-158, NC-46

**From/Cross Street:** I-95/NC 46 in Roanoke Rapids

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

**To:** SR 1312 (St. John Church Road)

**Project Category:** Statewide Mobility

**Length:** 7.48

**TIP#:** R-2582A

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$61,600,000

### Description:

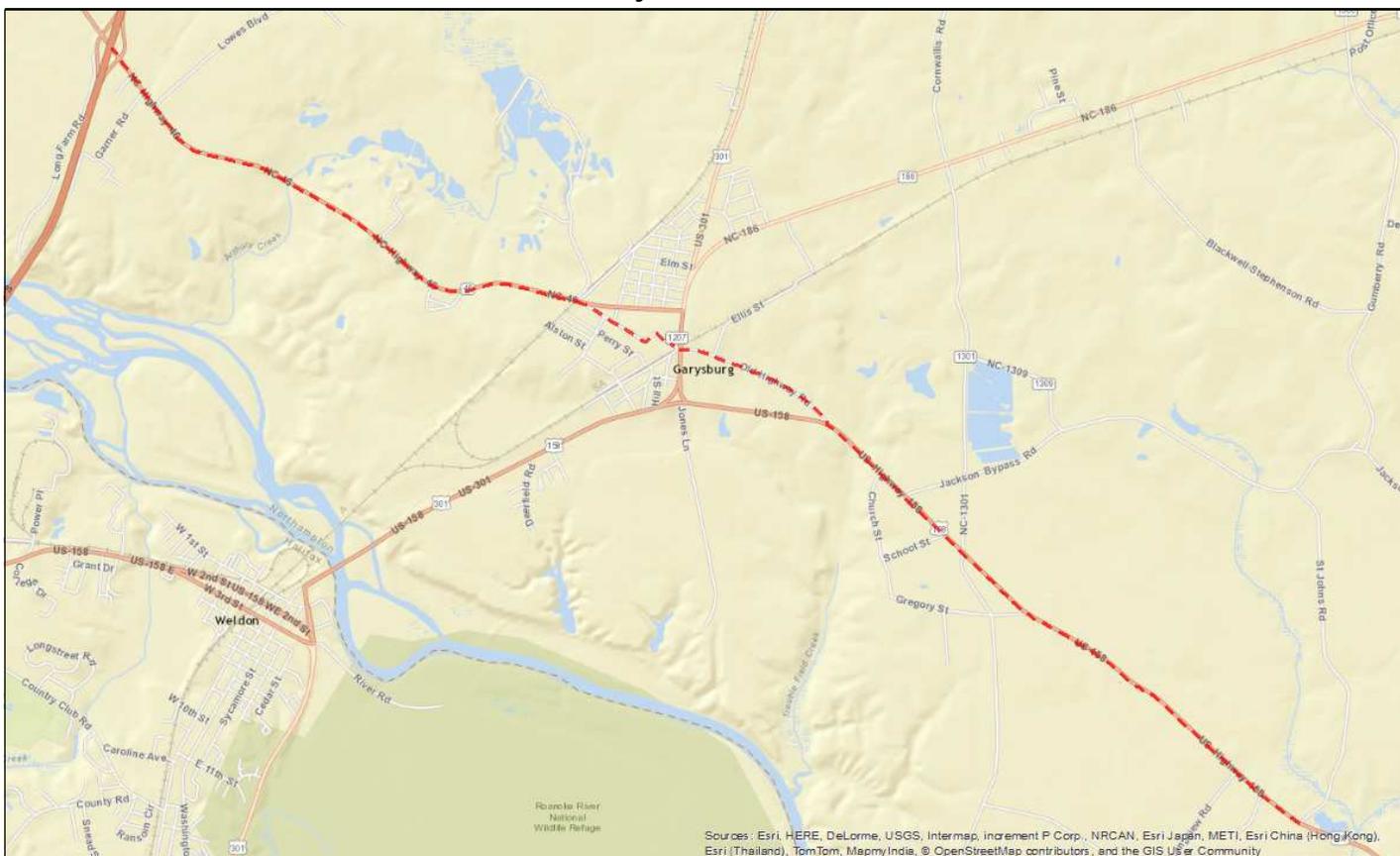
Widen to Multi-Lanes.

**Division(s):** Division 1

**County(s):** NORTHAMPTON

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

### Project Location



**Statewide Mobility Total Score: 10.76**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 16.65	N/A	N/A
Safety (10%) 37.55		
Economic Competitiveness (10%) 10.94		
Multimodal + [Freight & Military] (20%) 2.77		
[Travel Time] Benefit/Cost (30%) 1.19		
<b>Totals: Weight: 100% Weighted Score: 10.76</b>		

**Regional Impact Total Score: 25.87**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 16.65	Percent: 15% Points: 100	Percent: 15% Points: 0
Safety (15%) 37.55		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (20%) 1.19		
<b>Totals: Weight: 70% Weighted Score: 10.87</b>		

**Division Needs Total Score: 8.04**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 16.65	Percent: 25% Points: 0	Percent: 25% Points: 0
[Travel Time] Benefit/Cost (10%) 1.19		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 0.00		
Safety (10%) 37.55		
<b>Totals: Weight: 50% Weighted Score: 8.04</b>		

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles);	7.48
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	3938.22
Capacity:	15671.35
Volume/Capacity Ratio:	0.25
% Autos:	86%
% Trucks:	14%
Truck Volume:	554.51
Crash Density:	40.94
Crash Severity:	38.62
Critical Crash Rate:	33.12
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	72
Actual Congested Speed:	38.11
Travel Time Index:	1.05

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	7.48
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	3140170.79
Travel Time Savings for 30 Years (Autos):	2698025.26
Travel Time Savings for 30 Years (Trucks):	442145.53
Long-Term Employment:	50
% Change in Economy:	0.00016871
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 1

\* 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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 1	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Peanut Belt RPO	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:	\$54,000,000	TIP Unit
Right-of-Way Cost:	\$7,600,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$61,600,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$61,600,000</b>	