



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090048

**Mode:** Highway

**Status:** Submitted

## (New Route - Wilkesboro-North Wilkesboro Bypass)

**From/Cross Street:** NC 18

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** US 421

**Project Category:** Regional Impact

**Length:** 4.16

**TIP#:** R-0616

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$78,789,000

### Description:

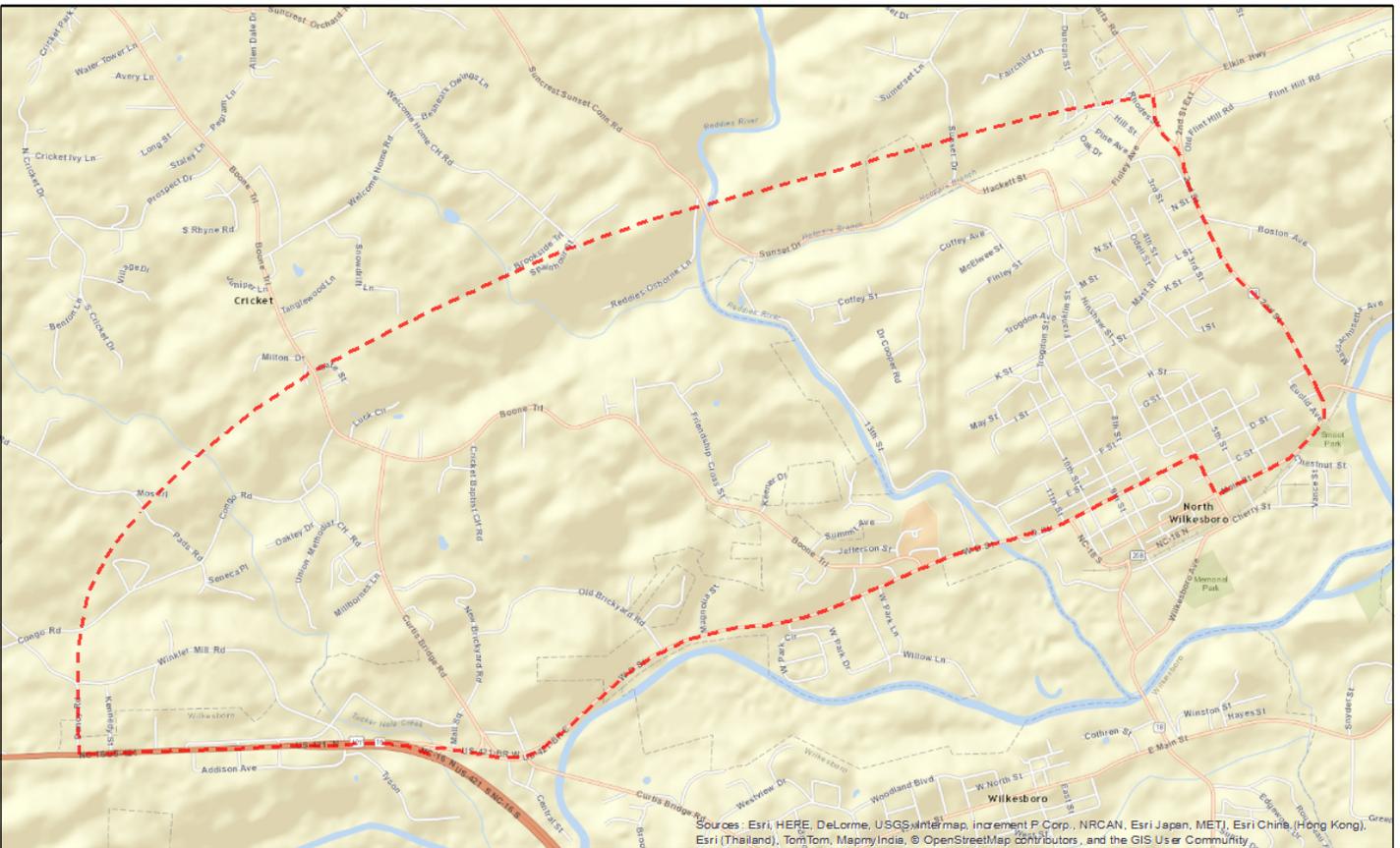
NC 18 to US 421. Multi-Lanes, Part on New Location.

**Division(s):** Division 11

**County(s):** WILKES

**MPOS(s)/RPO(s):** High Country RPO

### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
	N/A	N/A
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 44.48**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 63.21	Percent: 15% Points: 100	Percent: 15% Points: 0
Accessibility / Connectivity (10%) 59.90		
Safety (10%) 41.99		
[Travel Time] Benefit/Cost (25%) 13.96		
<b>Totals: Weight: 70% Weighted Score: 29.48</b>		

**Division Needs Total Score: 19.63**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 63.21	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 41.99		
[Travel Time] Benefit/Cost (20%) 13.96		
<b>Totals: Weight: 50% Weighted Score: 19.63</b>		

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

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	5.92
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	19965.1
Capacity:	21692.57
Volume/Capacity Ratio:	0.92
% Autos:	96%
% Trucks:	4%
Truck Volume:	840.39
Crash Density:	38.75
Crash Severity:	44.79
Critical Crash Rate:	42.45
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	85
Actual Congested Speed:	21.5
Travel Time Index:	1.09

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	4.16
Facility Type:	Multi-Lane Highway
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):	49129276.5
Travel Time Savings for 30 Years (Autos):	47061269.43
Travel Time Savings for 30 Years (Trucks):	2068007.07
Long-Term Employment:	
% Change in Economy:	
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 11

\* 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 11	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>
High Country 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:	\$56,886,000	TIP Unit
Right-of-Way Cost:	\$19,556,000	Cost Estimation Tool
Utilities Cost:	\$2,347,000	Cost Estimation Tool
Total Project Cost:	\$78,789,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$78,789,000</b>	