



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090474-B

**Mode:** Highway

**Status:** Submitted

## US-321

**From/Cross Street:** US 321A

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

**To:** SR 1108 (Mission Road)

**Project Category:** Statewide Mobility

**Length:** 5.36

**TIP#:** U-4700B

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$67,200,000

### Description:

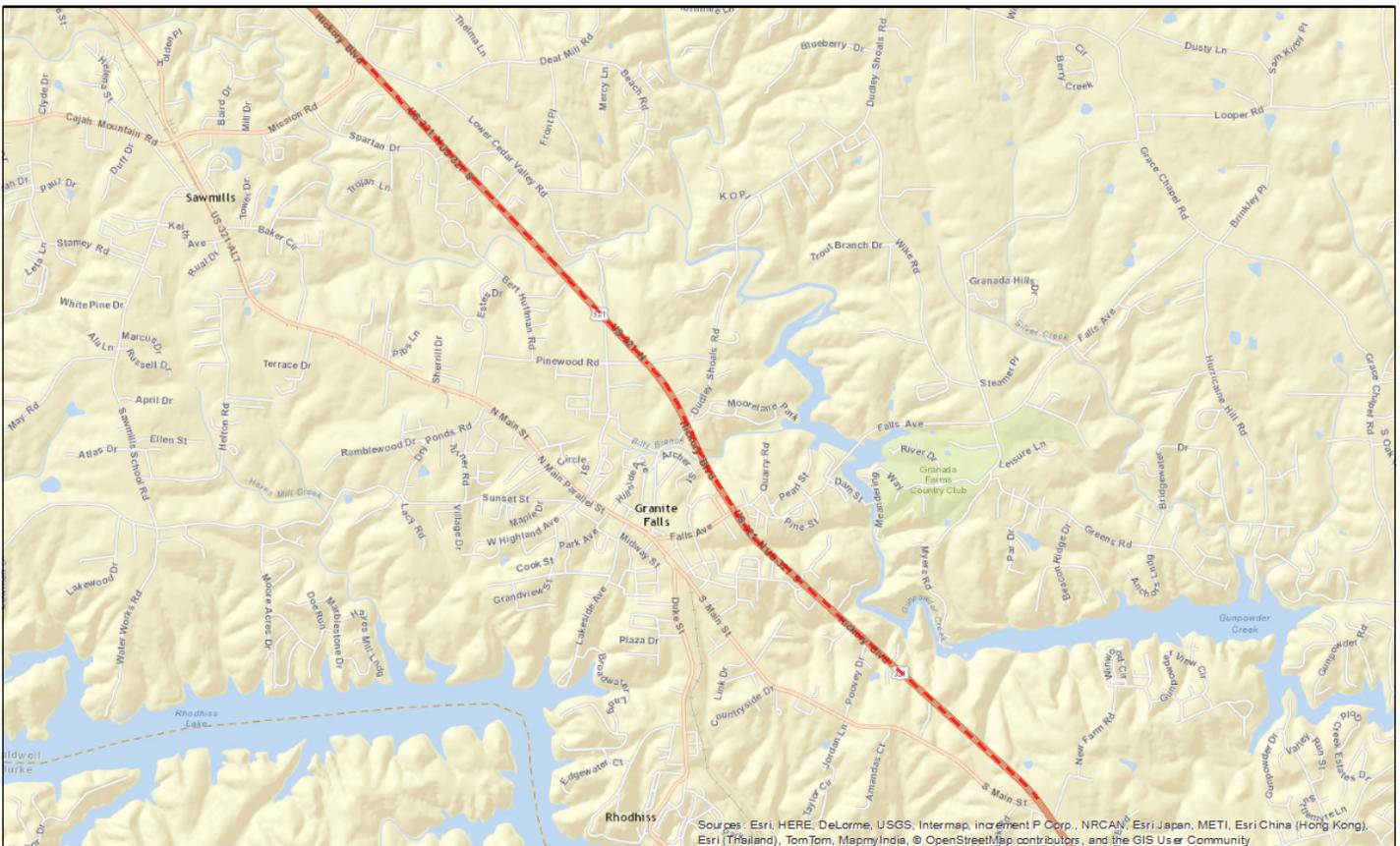
Add Additional Lanes.

**Division(s):** Division 11

**County(s):** CALDWELL

**MPOS(s)/RPO(s):** Greater Hickory MPO

### Project Location



**Statewide Mobility Total Score: 19.21**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	40.18	N/A	N/A
Safety (10%)	47.54		
Economic Competitiveness (10%)	3.08		
Multimodal + [Freight & Military] (20%)	10.10		
[Travel Time] Benefit/Cost (30%)	0.26		
<b>Totals: Weight: 100% Weighted Score: 19.21</b>			

**Regional Impact Total Score: 32.9**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	40.18	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%)	47.54		
[Travel Time] Benefit/Cost (25%)	0.26		
Accessibility / Connectivity (10%)	30.38		
<b>Totals: Weight: 70% Weighted Score: 17.9</b>			

**Division Needs Total Score: 12.84**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%)	47.54	Percent: 25% Points: 0	Percent: 25% Points: 0
[Travel Time] Benefit/Cost (20%)	0.26		
Congestion (V/C) (20%)	40.18		
<b>Totals: Weight: 50% Weighted Score: 12.84</b>			

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	5.36
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	30377.46
Capacity:	65026.69
Volume/Capacity Ratio:	0.47
% Autos:	93%
% Trucks:	7%
Truck Volume:	2020.93
Crash Density:	55.06
Crash Severity:	47.98
Critical Crash Rate:	39.57
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	93
Actual Congested Speed:	48.92
Travel Time Index:	1.02

**Project Benefits**

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	5.36
Facility Type:	Multi-Lane Highway
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):	762560.01
Travel Time Savings for 30 Years (Autos):	711828.95
Travel Time Savings for 30 Years (Trucks):	50731.06
Long-Term Employment:	13
% Change in Economy:	4.86E-05
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 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%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Greater Hickory MPO	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:	\$41,800,000	TIP Unit
Right-of-Way Cost:	\$25,400,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$67,200,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$67,200,000</b>	