



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090474-AB

**Mode:** Highway

**Status:** Submitted

## US-321

**From/Cross Street:** South of SR 1314 (Old Lenoir Road)

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

**To:** US 321A

**Project Category:** Statewide Mobility

**Length:** 2.12

**TIP#:** U-4700AB

**Fully Funded in Draft STIP?** Yes **Statewide Mobility**

**Cost to NCDOT:** \$29,360,000

### Description:

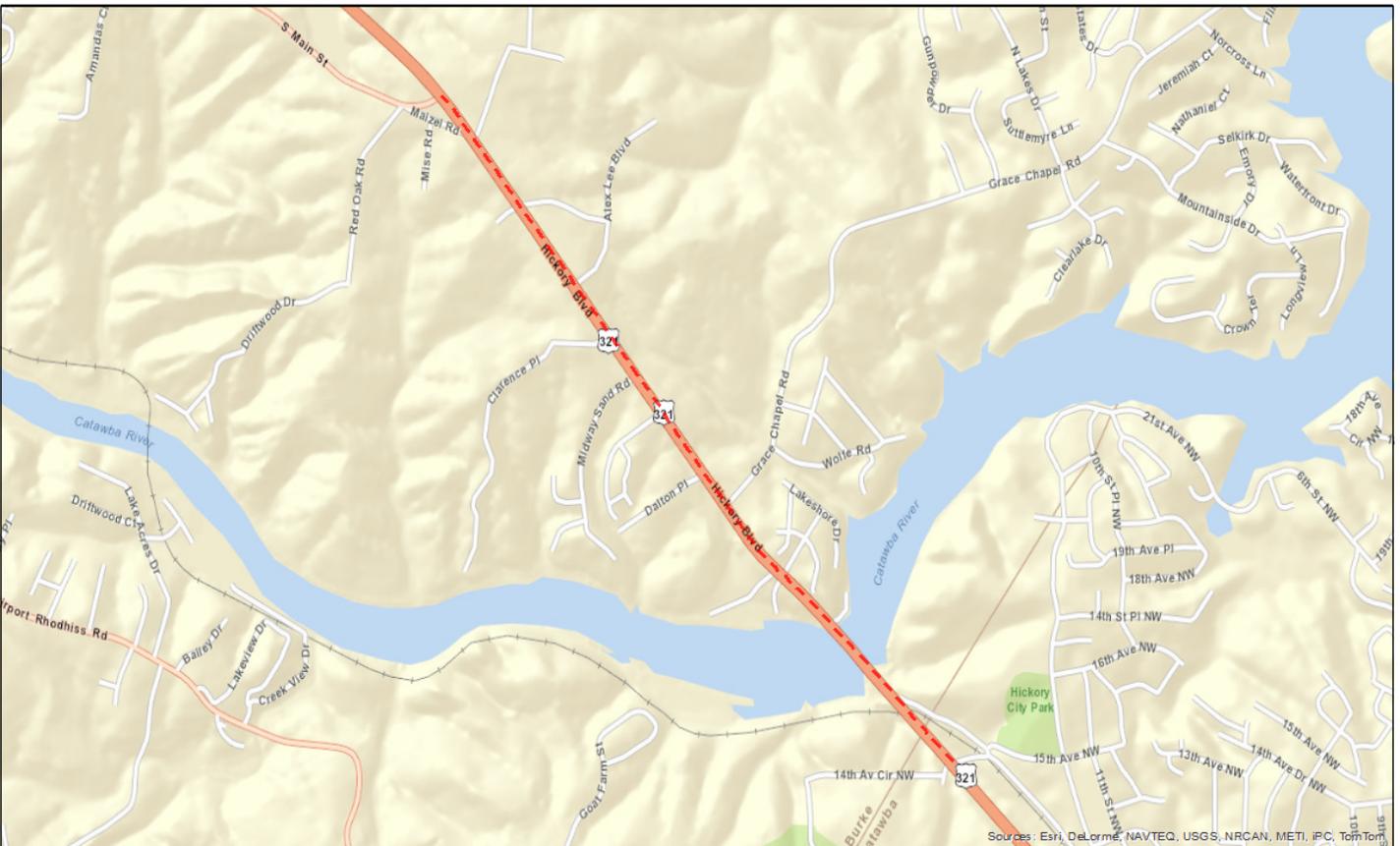
Add Additional Lanes.

**Division(s):** Division 11, Division 13, Division 12

**County(s):** CALDWELL, BURKE, CATAWBA

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

### Project Location



**Statewide Mobility Total Score: 49.82**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 87.54	N/A	N/A
Safety (10%) 82.79		
Economic Competitiveness (10%) 77.74		
Multimodal + [Freight & Military] (20%) 14.80		
[Travel Time] Benefit/Cost (30%) 15.14		
<b>Totals: Weight: 100% Weighted Score: 49.82</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 87.54	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 82.79		
[Travel Time] Benefit/Cost (25%) 15.14		
Accessibility / Connectivity (10%) 38.18		
<b>Totals: Weight: 70% Weighted Score: 37.77</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 87.54	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 82.79		
[Travel Time] Benefit/Cost (20%) 15.14		
<b>Totals: Weight: 50% Weighted Score: 28.82</b>		

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

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	2.12
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	38183.5
Capacity:	31700
Volume/Capacity Ratio:	1.2
% Autos:	92%
% Trucks:	8%
Truck Volume:	2960.41
Crash Density:	93.89
Crash Severity:	65.01
Critical Crash Rate:	89.51
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:	99
Actual Congested Speed:	36.95
Travel Time Index:	1.35

**Project Benefits**

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	2.12
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	19570329.2
Travel Time Savings for 30 Years (Autos):	18053021.39
Travel Time Savings for 30 Years (Trucks):	1517307.81
Long-Term Employment:	322.92
% Change in Economy:	0.00123178
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	82%	0	0
Division 13	13%	0	0
Division 12	5%	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%	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:	\$20,043,000	Cost Estimation Tool
Right-of-Way Cost:	\$8,319,000	Cost Estimation Tool
Utilities Cost:	\$998,000	Cost Estimation Tool
Total Project Cost:	\$29,360,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$29,360,000</b>	