



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090474-C

Mode: Highway

Status: Submitted

US-321

From/Cross Street: SR 1108 (Mission Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 64/NC 18/90

Project Category: Statewide Mobility

Length: 6.83

TIP#: U-4700C

Fully Funded in Draft STIP? No

Cost to NCDOT: \$192,800,000

Description:

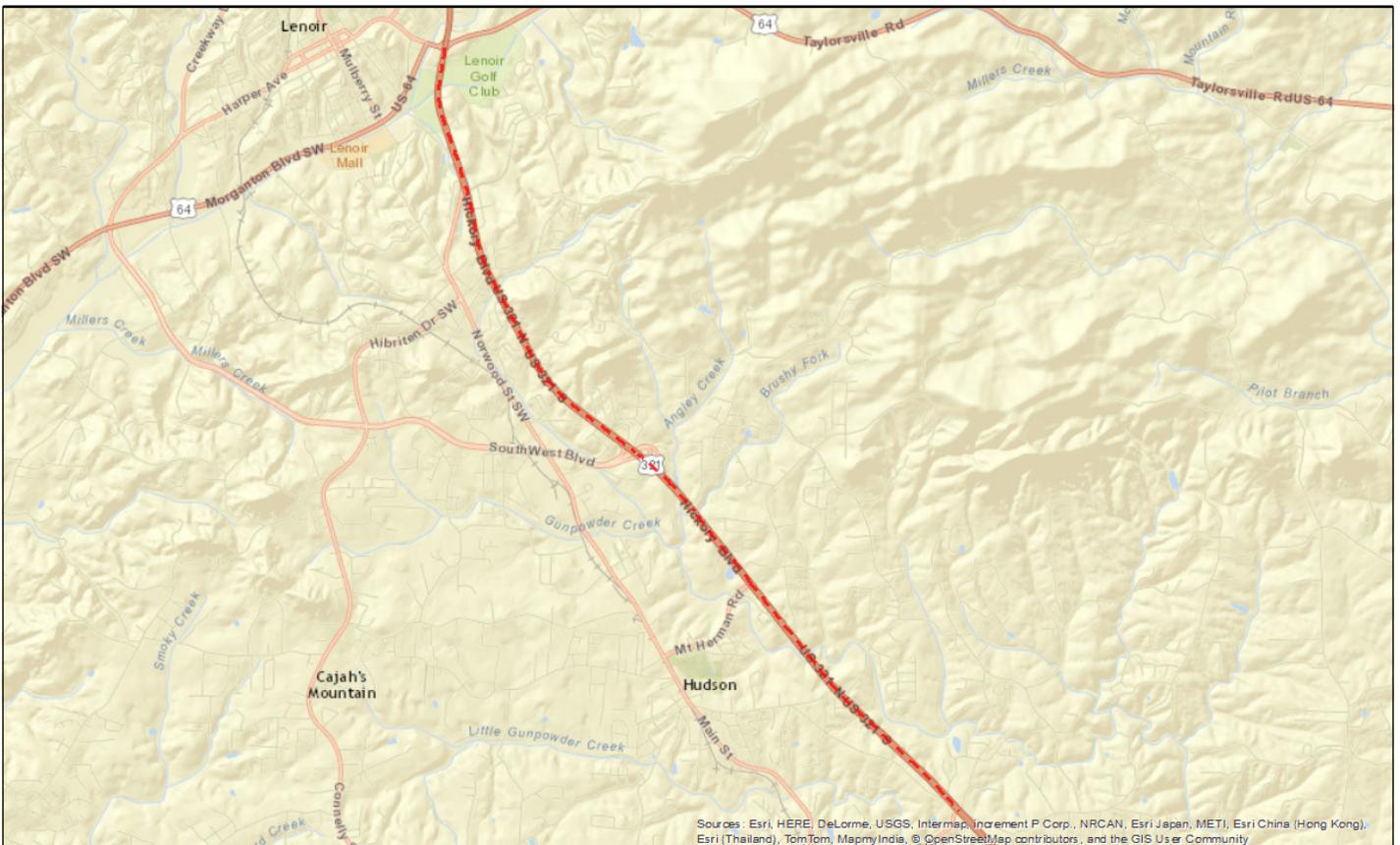
Add Additional Lanes.

Division(s): Division 11

County(s): CALDWELL

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

Project Location



Statewide Mobility Total Score: 17.1

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	35.37	N/A	N/A
Safety (10%)	47.33		
Economic Competitiveness (10%)	2.22		
Multimodal + [Freight & Military] (20%)	7.54		
[Travel Time] Benefit/Cost (30%)	0.07		
Totals: Weight: 100% Weighted Score: 17.1			

Regional Impact Total Score: 31.22

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	35.37	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%)	47.33		
[Travel Time] Benefit/Cost (25%)	0.07		
Accessibility / Connectivity (10%)	26.24		
Totals: Weight: 70% Weighted Score: 16.22			

Division Needs Total Score: 11.82

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	35.37	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	47.33		
[Travel Time] Benefit/Cost (20%)	0.07		
Totals: Weight: 50% Weighted Score: 11.82			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	6.83
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):	26243.63
Capacity:	63300
Volume/Capacity Ratio:	0.41
% Autos:	94%
% Trucks:	6%
Truck Volume:	1508.21
Crash Density:	42.61
Crash Severity:	56.8
Critical Crash Rate:	42.58
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):	Divided
Pavement Condition Rating:	82
Actual Congested Speed:	47.38
Travel Time Index:	1.05

Project Benefits

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	6.83
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):	559175.9
Travel Time Savings for 30 Years (Autos):	527040.37
Travel Time Savings for 30 Years (Trucks):	32135.53
Long-Term Employment:	9
% Change in Economy:	3.55E-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**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Greater Hickory MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$98,400,000	TIP Unit
Right-of-Way Cost:	\$94,400,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$192,800,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$192,800,000	