



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090023-A

Mode: Highway

Status: Submitted

I-73, I-74, US-220

From/Cross Street: North of US 220 Alternate

Specific Improvement Type: 17 - Upgrade Freeway to Interstate Standards

To: South of NC 211

Project Category: Statewide Mobility

Length: 2.7

TIP#: I-4406A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$9,220,000

Description:

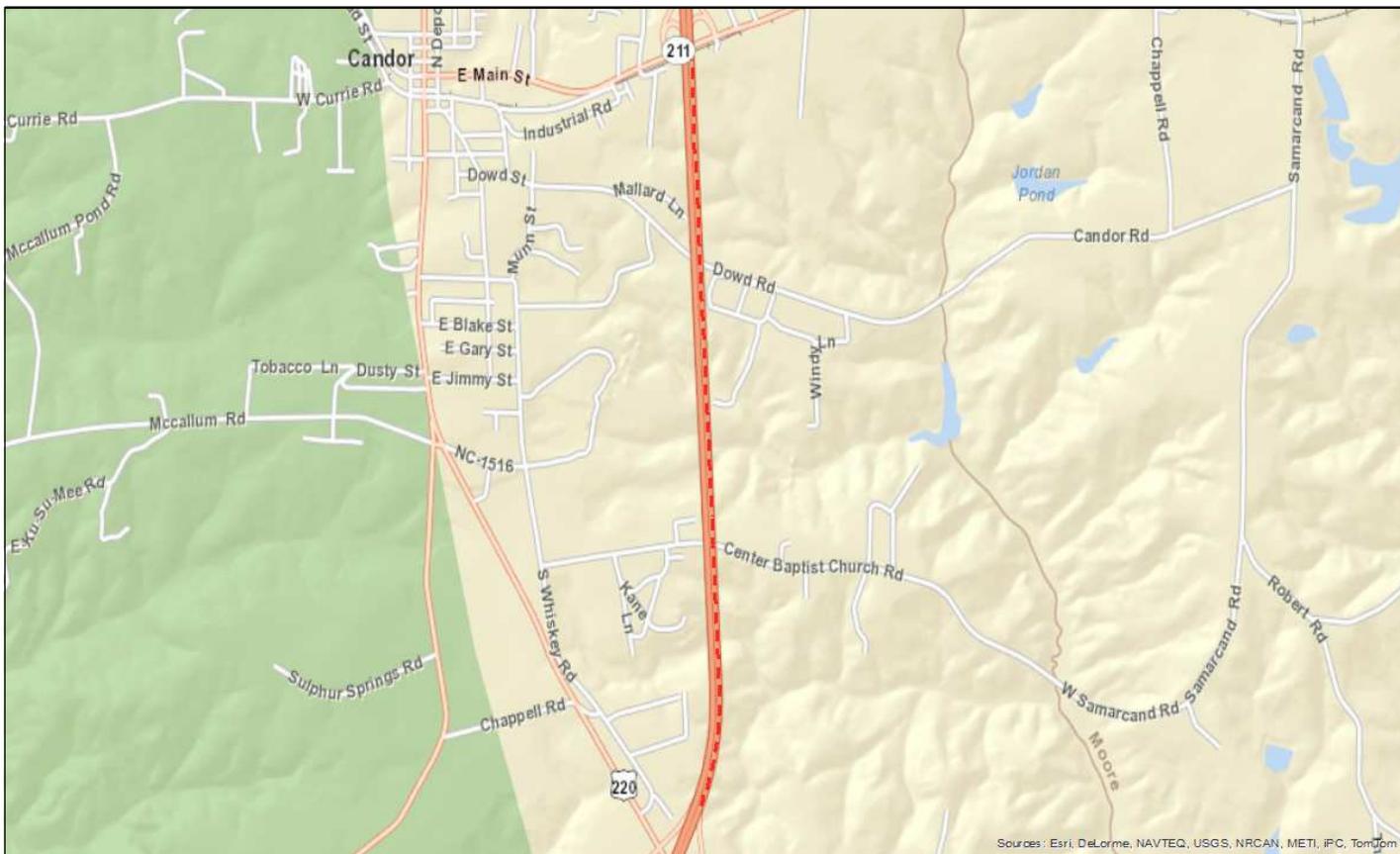
South of Steeds to North of Emery. Upgrade to interstate Standards. Section A: North of US 220 Alternate to South of NC 211.

Division(s): Division 8

County(s): MONTGOMERY

MPOS(s)/RPO(s): Piedmont Triad RPO

Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

Statewide Mobility Total Score: 8.13

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 9.84 Economic Competitiveness (10%) 0.00 Multimodal + [Freight & Military] (20%) 14.00 Congestion (V/C) (30%) 14.49 [Travel Time] Benefit/Cost (30%) 0.00	N/A	N/A
Totals: Weight: 100% Weighted Score: 8.13		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 9.84 Congestion (V/C) (25%) 14.49 [Travel Time] Benefit/Cost (25%) 0.00 Accessibility / Connectivity (10%) 13.00	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 5.91		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 9.84 Congestion (V/C) (20%) 14.49 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 3.88		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	59
Length (miles);	2.7
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	11000.01
Capacity:	65400.08
Volume/Capacity Ratio:	0.17
% Autos:	75%
% Trucks:	25%
Truck Volume:	2800.01
Crash Density:	4.68
Crash Severity:	9.37
Critical Crash Rate:	15.49
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	0
Actual Congested Speed:	61.01
Travel Time Index:	0.97

Project Benefits

Project Cross-Section:	
Speed Limit:	59
Length (miles):	2.7
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$9,200,000	TIP Unit
Right-of-Way Cost:	\$20,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$9,220,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$9,220,000	