



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129200-F

Mode: Highway

Status: Submitted

I-95

From/Cross Street: I-95 Business/US 301 (Exit 56)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1002 (Long Branch Road)

Project Category: Statewide Mobility

Length: 16.74

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$189,970,000

Description:

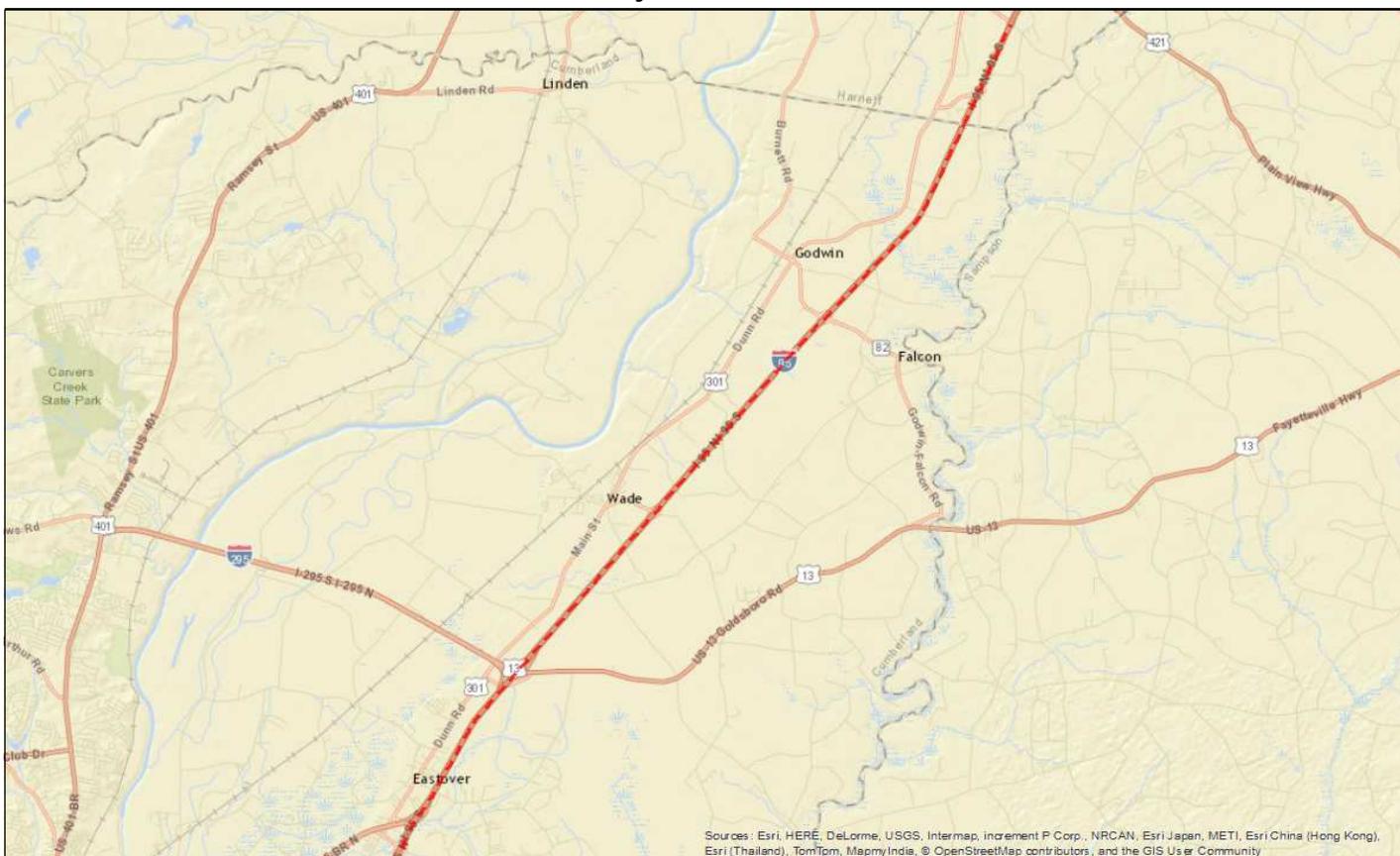
Widen Roadway to 8 Lanes.

Division(s): Division 6

County(s): CUMBERLAND, HARNETT

MPOS(s)/RPO(s): Mid-Carolina RPO, Fayetteville Area MPO

Project Location



Statewide Mobility Total Score: 32.88

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 57.33	N/A	N/A
Safety (10%) 55.71		
Economic Competitiveness (10%) 17.67		
[Travel Time] Benefit/Cost (30%) 1.16		
Multimodal + [Freight & Military] (20%) 39.96		
Totals: Weight: 100% Weighted Score: 32.88		

Regional Impact Total Score: 54.08

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 57.33	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 55.71		
Accessibility / Connectivity (10%) 38.90		
[Travel Time] Benefit/Cost (25%) 1.16		
Totals: Weight: 70% Weighted Score: 24.08		

Division Needs Total Score: 17.27

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 57.33	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 55.71		
[Travel Time] Benefit/Cost (20%) 1.16		
Totals: Weight: 50% Weighted Score: 17.27		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles):	16.74
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	46355.28
Capacity:	71700.06
Volume/Capacity Ratio:	0.65
% Autos:	83%
% Trucks:	17%
Truck Volume:	7991.54
Crash Density:	53.82
Crash Severity:	61.23
Critical Crash Rate:	52.1
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	91
Actual Congested Speed:	64.9
Travel Time Index:	1

Project Benefits

Project Cross-Section:	8B - 8 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	16.74
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	9312582.65
Travel Time Savings for 30 Years (Autos):	7707115.64
Travel Time Savings for 30 Years (Trucks):	1605467.01
Long-Term Employment:	150
% Change in Economy:	0.00020343
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 6

* 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 6	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Mid-Carolina RPO	77%	77	0
Fayetteville Area MPO	23%	23	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$187,712,000	Cost Estimation Tool
Right-of-Way Cost:	\$2,016,000	Cost Estimation Tool
Utilities Cost:	\$242,000	Cost Estimation Tool
Total Project Cost:	\$189,970,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$189,970,000	