



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090128-A

Mode: Highway

Status: Submitted

US-70

From/Cross Street: Existing Freeway near LaGrange

Specific Improvement Type: 2 - Upgrade Arterial to Freeway/Expressway

To: NC 148 (Harvey Parkway)

Project Category: Statewide Mobility

Length: 6.84

TIP#: R-2553

Fully Funded in Draft STIP? No

Cost to NCDOT: \$65,476,000

Description:

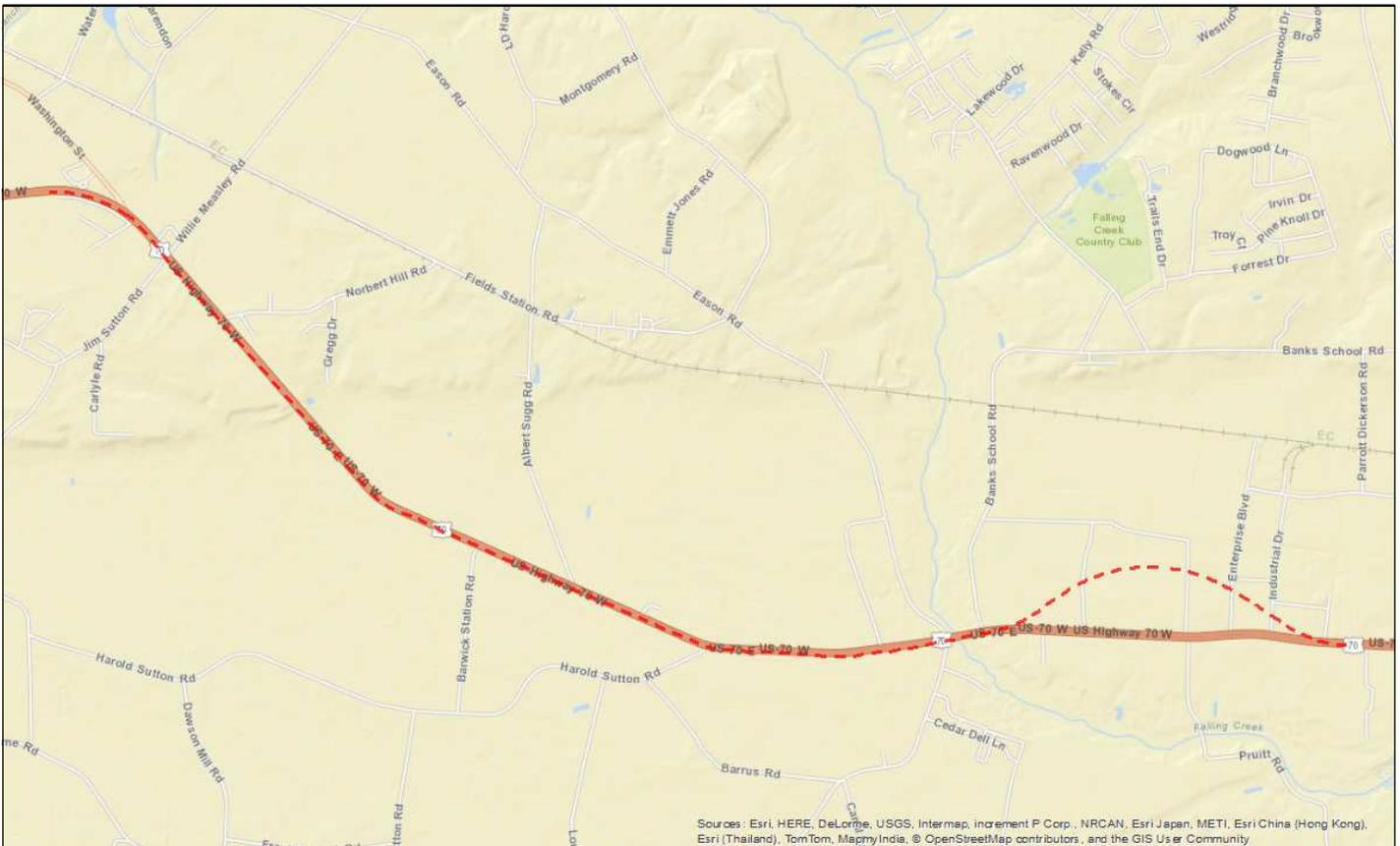
Upgrade Roadway to Freeway.

Division(s): Division 2

County(s): LENOIR

MPOS(s)/RPO(s): East Carolina RPO

Project Location



Statewide Mobility Total Score: 18.8

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 29.31	N/A	N/A
Multimodal + [Freight & Military] (20%) 20.35		
Economic Competitiveness (10%) 12.50		
Safety (10%) 41.81		
[Travel Time] Benefit/Cost (30%) 1.67		
Totals: Weight: 100% Weighted Score: 18.8		

Regional Impact Total Score: 29.83

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 41.81	Percent: 15% Points: 0	Percent: 15% Points: 93
Multimodal + [Freight & Military] (25%) 20.35		
[Travel Time] Benefit/Cost (20%) 1.67		
Totals: Weight: 70% Weighted Score: 15.88		

Division Needs Total Score: 39.26

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 29.31	Percent: 25% Points: 0	Percent: 25% Points: 92
Safety (20%) 41.81		
Multimodal + [Freight & Military] (10%) 20.35		
Totals: Weight: 50% Weighted Score: 16.26		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	6.84
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	20906.59
Capacity:	59879.62
Volume/Capacity Ratio:	0.35
% Autos:	89%
% Trucks:	11%
Truck Volume:	2324.82
Crash Density:	43.1
Crash Severity:	46.53
Critical Crash Rate:	35.81
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	70
Actual Congested Speed:	38.73
Travel Time Index:	1.05

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	6.84
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	4753579.48
Travel Time Savings for 30 Years (Autos):	4224980.7
Travel Time Savings for 30 Years (Trucks):	528598.78
Long-Term Employment:	81
% Change in Economy:	0.00016905
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 2

* 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 2	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
East Carolina RPO	100%	93	92
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		93	92

Project Cost and Source

Construction Cost:	\$65,476,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$65,476,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$65,476,000	