



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090936-A

Mode: Highway

Status: Submitted

I-74, US-74

From/Cross Street: NC 41

Specific Improvement Type: 3 - Upgrade Expressway to Freeway

To: SR 1585

Project Category: Statewide Mobility

Length: 25.35

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$33,139,000

Description:

Upgrade US 74 to interstate Standards from NC 41 in Lumberton to SR 1585 (Union Valley Road) West of Whiteville

Division(s): Division 6

County(s): COLUMBUS, ROBESON

MPOS(s)/RPO(s): Cape Fear RPO, Lumber River RPO

Project Location



Statewide Mobility Total Score: 12.7

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 12.09	N/A	N/A
Safety (10%) 43.55		
Economic Competitiveness (10%) 12.28		
Multimodal + [Freight & Military] (20%) 10.60		
[Travel Time] Benefit/Cost (30%) 4.58		
Totals: Weight: 100% Weighted Score: 12.7		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 12.09	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 43.55		
[Travel Time] Benefit/Cost (25%) 4.58		
Accessibility / Connectivity (10%) 46.33		
Totals: Weight: 70% Weighted Score: 13.16		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 12.09	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 43.55		
[Travel Time] Benefit/Cost (20%) 4.58		
Totals: Weight: 50% Weighted Score: 7.69		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	57
Length (miles):	25.35
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	10109.05
Capacity:	75373.77
Volume/Capacity Ratio:	0.13
% Autos:	86%
% Trucks:	14%
Truck Volume:	1448.61
Crash Density:	35.54
Crash Severity:	47.12
Critical Crash Rate:	48
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	82
Actual Congested Speed:	63.62
Travel Time Index:	0.89

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	25.35
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	6511518.58
Travel Time Savings for 30 Years (Autos):	5578425.82
Travel Time Savings for 30 Years (Trucks):	933092.76
Long-Term Employment:	105
% Change in Economy:	0.0001407
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 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%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	57%	0	0
Lumber River RPO	43%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$33,139,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$33,139,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$33,139,000	