



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090237-C

Mode: Highway

Status: Submitted

I-74 (New Route)

From/Cross Street: I-74 New Location south of US 17 near NC 130

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 74/76 East of Whiteville in Columbus County

Project Category: Statewide Mobility

Length: 33.09

TIP#: R-3436

Fully Funded in Draft STIP? No

Cost to NCDOT: \$284,995,000

Description:

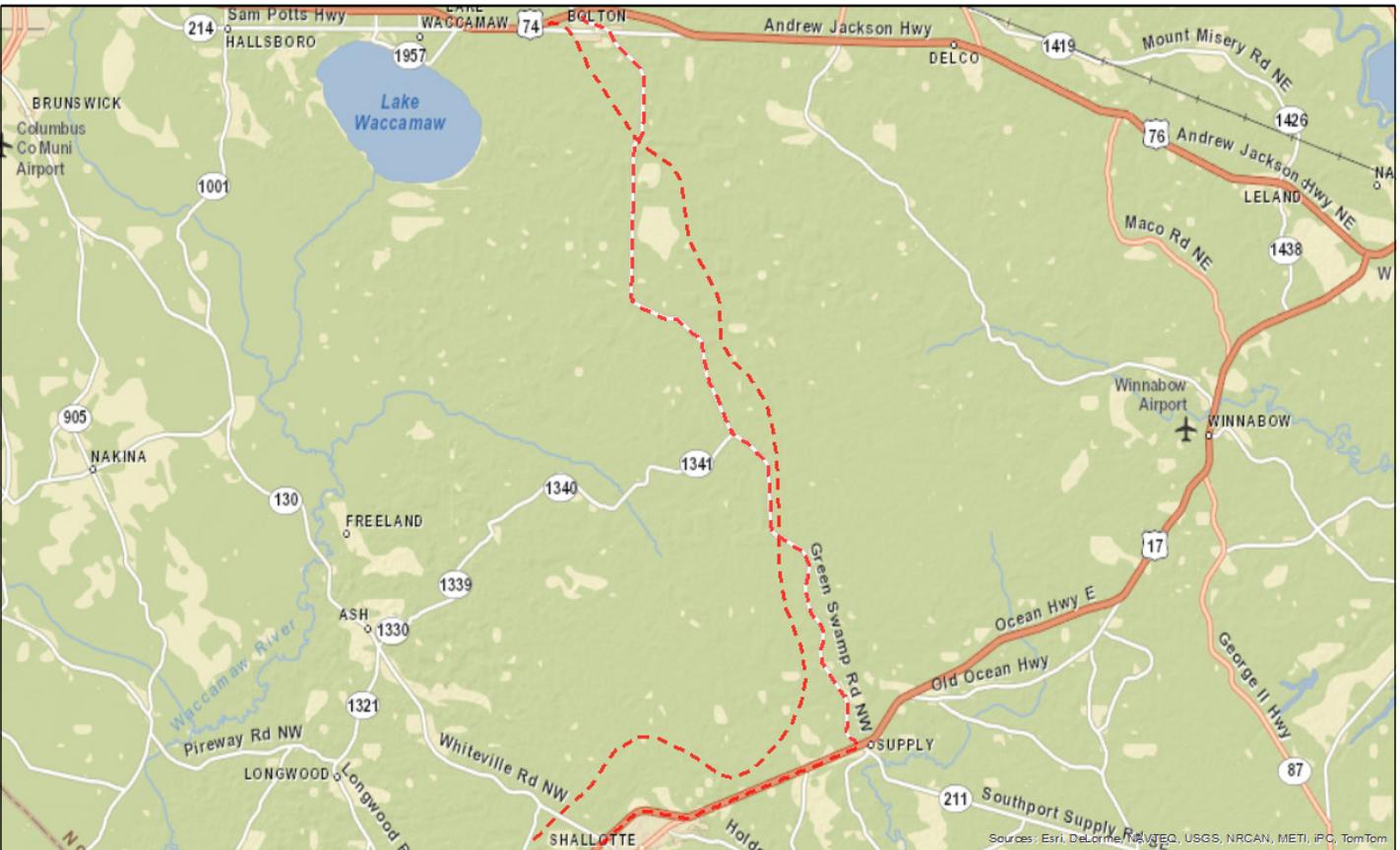
Construct Freeway on New Location.

Division(s): Division 3, Division 6

County(s): BRUNSWICK, COLUMBUS

MPOS(s)/RPO(s): Cape Fear RPO, Grand Strand Transportation Study Area

Project Location



Statewide Mobility Total Score: 13.61

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 19.03	N/A	N/A
Safety (10%) 37.03		
Economic Competitiveness (10%) 28.94		
Multimodal + [Freight & Military] (20%) 5.04		
[Travel Time] Benefit/Cost (30%) 0.99		
Totals: Weight: 100% Weighted Score: 13.61		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 37.03	Percent: 15% Points:	Percent: 15% Points:
Multimodal + [Freight & Military] (25%) 5.04		
[Travel Time] Benefit/Cost (20%) 0.99		
Totals: Weight: 70% Weighted Score: 10.72		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 19.03	Percent: 25% Points:	Percent: 25% Points:
Safety (20%) 37.03		
Multimodal + [Freight & Military] (10%) 5.04		
Totals: Weight: 50% Weighted Score: 11.72		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	36
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	8028.23
Capacity:	30451.4
Volume/Capacity Ratio:	0.26
% Autos:	87%
% Trucks:	13%
Truck Volume:	1008.51
Crash Density:	36.66
Crash Severity:	38.62
Critical Crash Rate:	35.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	94
Actual Congested Speed:	50.54
Travel Time Index:	1.09

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	33.09
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):	12204535.84
Travel Time Savings for 30 Years (Autos):	10671396.37
Travel Time Savings for 30 Years (Trucks):	1533139.47
Long-Term Employment:	251.73
% Change in Economy:	0.00032714
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 3

* 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 3	70%	0	0
Division 6	30%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	86%	0	0
Grand Strand Transportation Study Area	14%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$274,976,000	Cost Estimation Tool
Right-of-Way Cost:	\$8,946,000	Cost Estimation Tool
Utilities Cost:	\$1,073,000	Cost Estimation Tool
Total Project Cost:	\$284,995,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$284,995,000	