



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090237-B

**Mode:** Highway

**Status:** Submitted

## I-74 (New Route)

**From/Cross Street:** US 17 south of NC 904.

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** US 17 south of NC 130

**Project Category:** Statewide Mobility

**Length:** 7.54

**TIP#:** R-3436

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$71,263,000

### Description:

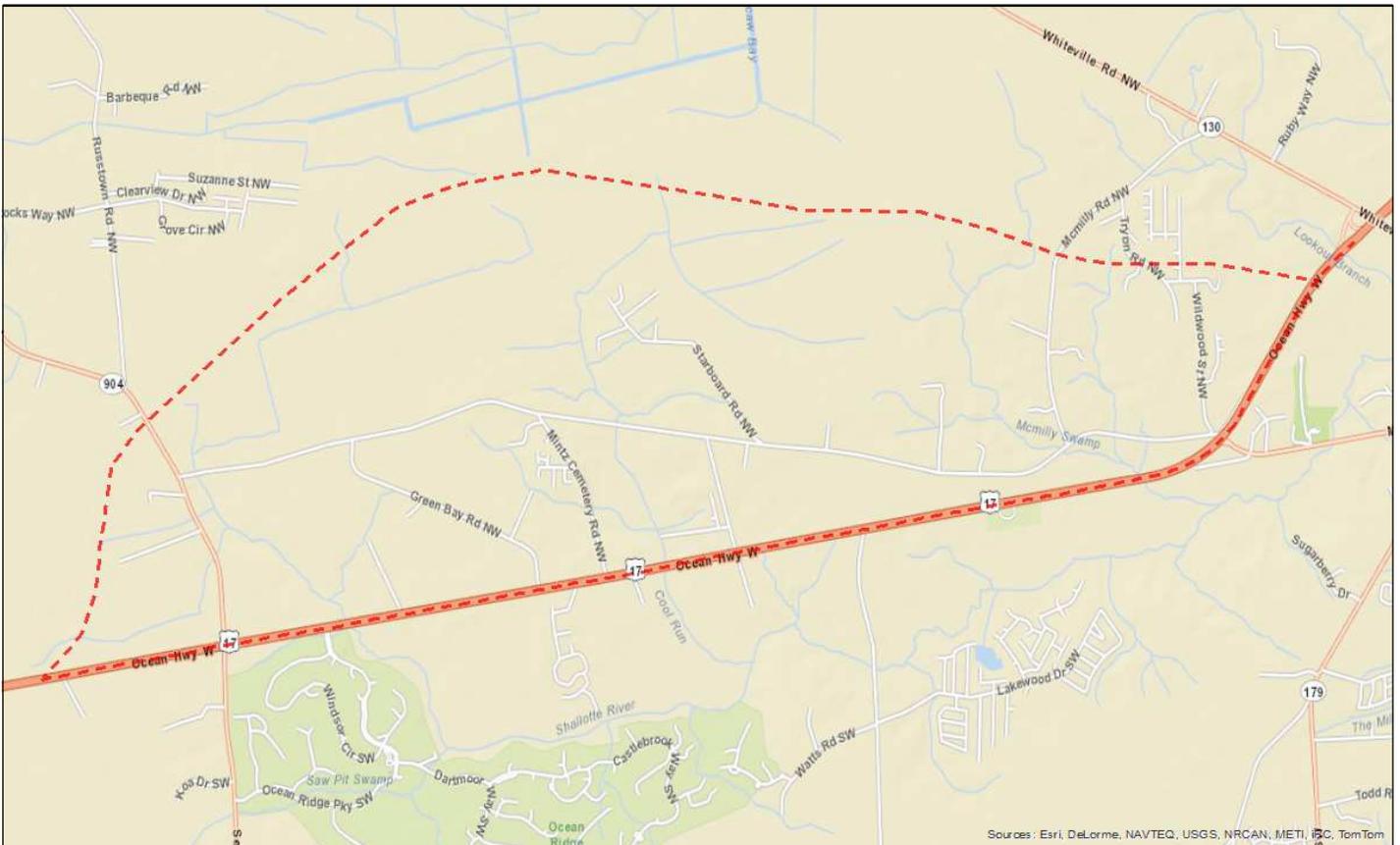
Construct Freeway on New Location.

**Division(s):** Division 3

**County(s):** BRUNSWICK

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

### Project Location



**Statewide Mobility Total Score: 15.49**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 25.03	N/A	N/A
Safety (10%) 49.84		
Economic Competitiveness (10%) 0.78		
Multimodal + [Freight & Military] (20%) 13.40		
[Travel Time] Benefit/Cost (30%) 0.80		
<b>Totals: Weight: 100% Weighted Score: 15.49</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 49.84	Percent: 15% Points:	Percent: 15% Points:
Multimodal + [Freight & Military] (25%) 13.40		
[Travel Time] Benefit/Cost (20%) 0.80		
<b>Totals: Weight: 70% Weighted Score: 15.97</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 25.03	Percent: 25% Points:	Percent: 25% Points:
Safety (20%) 49.84		
Multimodal + [Freight & Military] (10%) 13.40		
<b>Totals: Weight: 50% Weighted Score: 16.31</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	6.7
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	21001.55
Capacity:	75787.53
Volume/Capacity Ratio:	0.28
% Autos:	94%
% Trucks:	6%
Truck Volume:	1294.56
Crash Density:	57.96
Crash Severity:	52.53
Critical Crash Rate:	39.04
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	85
Actual Congested Speed:	55.59
Travel Time Index:	0.99

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	7.54
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):	2520338.09
Travel Time Savings for 30 Years (Autos):	2364981.65
Travel Time Savings for 30 Years (Trucks):	155356.44
Long-Term Employment:	0.6
% Change in Economy:	1.5E-05
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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Cape Fear RPO	65%	0	0
Grand Strand Transportation Study Area	35%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$61,873,000	Cost Estimation Tool
Right-of-Way Cost:	\$8,384,000	Cost Estimation Tool
Utilities Cost:	\$1,006,000	Cost Estimation Tool
Total Project Cost:	\$71,263,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$71,263,000</b>	