



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H140395

**Mode:** Highway

**Status:** Submitted

## US-74, US-76

**From/Cross Street:** west of SR 1844 (Oscar Blanks Rd)

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

**To:** Columbus/Brunswick County Line

**Project Category:** Statewide Mobility

**Length:** 6.41

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$101,482,000

### Description:

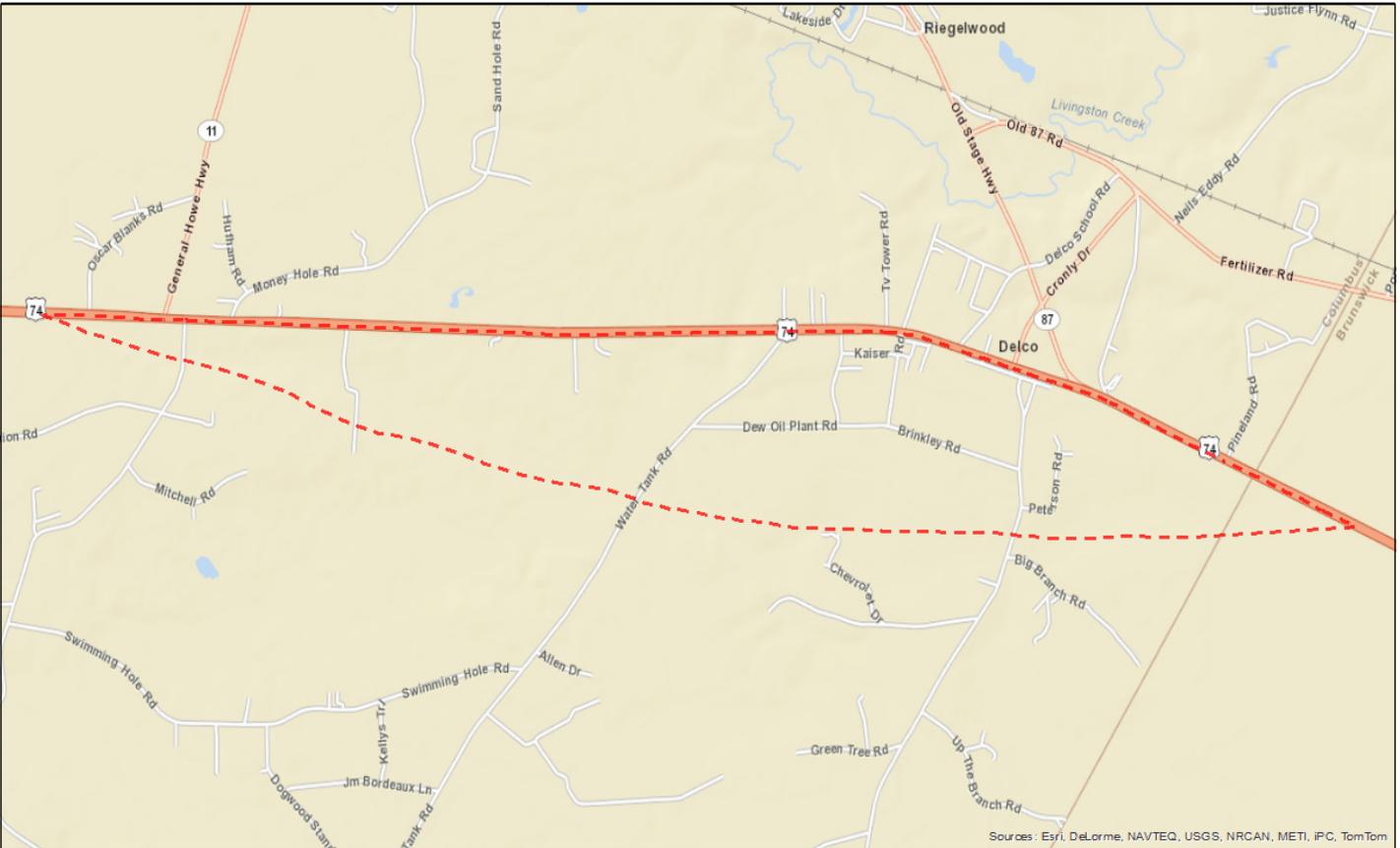
Construct new expressway (Delco Bypass) on new location pursuant to FS-9903A and 2007 Columbus Co. CTP.

**Division(s):** Division 6, Division 3

**County(s):** COLUMBUS, BRUNSWICK

**MPOS(s)/RPO(s):** Cape Fear RPO

### Project Location



**Statewide Mobility Total Score: 13.44**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	16.74	N/A	N/A
Safety (10%)	51.78		
Economic Competitiveness (10%)	3.68		
Multimodal + [Freight & Military] (20%)	13.71		
[Travel Time] Benefit/Cost (30%)	0.44		
<b>Totals: Weight: 100% Weighted Score: 13.44</b>			

**Regional Impact Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%)	16.74	Percent: 15% Points:	Percent: 15% Points:
Safety (10%)	51.78		
[Travel Time] Benefit/Cost (25%)	0.44		
Accessibility / Connectivity (10%)	48.01		
<b>Totals: Weight: 70% Weighted Score: 14.28</b>			

**Division Needs Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	16.74	Percent: 25% Points:	Percent: 25% Points:
Safety (10%)	51.78		
[Travel Time] Benefit/Cost (20%)	0.44		
<b>Totals: Weight: 50% Weighted Score: 8.62</b>			

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	6.4
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	14003.15
Capacity:	75410.85
Volume/Capacity Ratio:	0.19
% Autos:	87%
% Trucks:	13%
Truck Volume:	1814.03
Crash Density:	45.43
Crash Severity:	68.03
Critical Crash Rate:	41.9
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	56
Actual Congested Speed:	56.23
Travel Time Index:	0.98

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	6.41
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1938575.31
Travel Time Savings for 30 Years (Autos):	1687443.54
Travel Time Savings for 30 Years (Trucks):	251131.77
Long-Term Employment:	31.57
% Change in Economy:	4.21E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	Columbus County
CTP/LRTP Completion Year:	2007
Submitted by:	Cape Fear RPO

\* 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 6	90%	0	0
Division 3	10%	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	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$88,969,000	Cost Estimation Tool
Right-of-Way Cost:	\$11,172,000	Cost Estimation Tool
Utilities Cost:	\$1,341,000	Cost Estimation Tool
Total Project Cost:	\$101,482,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$101,482,000</b>	