



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H111256

**Mode:** Highway

**Status:** Submitted

## US-70

**From/Cross Street:** US 70 Bypass (West Terminus, East of SR 1408)

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

**To:** SR 1229 (to Wayne County Line)

**Project Category:** Statewide Mobility

**Length:** 3.39

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$65,322,000

### Description:

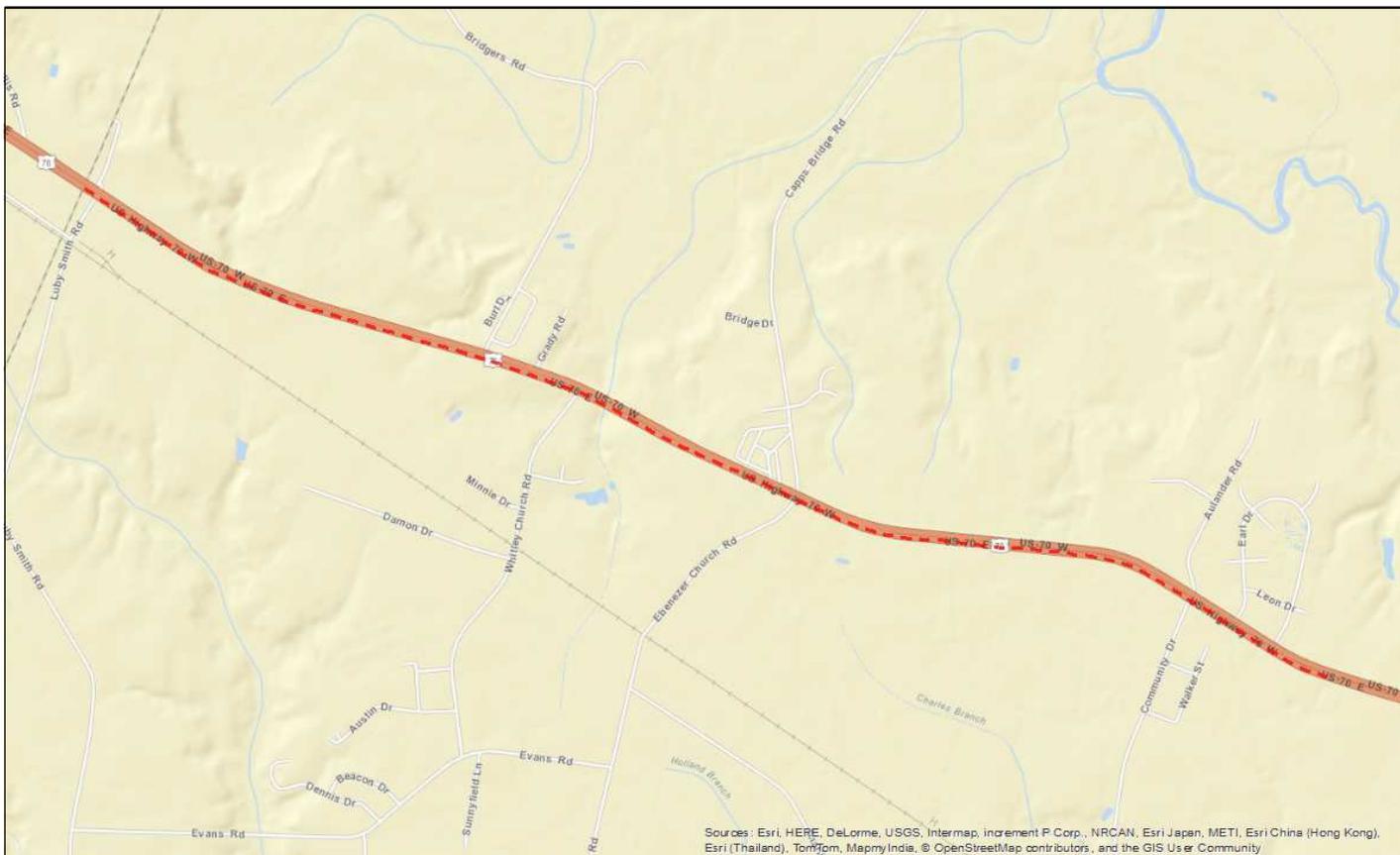
Improve Existing US 70 to Freeway Standards from the West End of the US 70 Bypass to the Wayne/Johnston County Line

**Division(s):** Division 4

**County(s):** WAYNE, JOHNSTON

**MPOS(s)/RPO(s):** East Carolina RPO, Goldsboro Urban Area MPO, Upper Coastal Plain RPO

### Project Location



**Statewide Mobility Total Score: 19.67**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 25.78	N/A	N/A
Safety (10%) 68.19		
Economic Competitiveness (10%) 5.68		
Multimodal + [Freight & Military] (20%) 21.49		
[Travel Time] Benefit/Cost (30%) 0.83		
<b>Totals: Weight: 100% Weighted Score: 19.67</b>		

**Regional Impact Total Score: 31.76**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 25.78	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (15%) 68.19		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (20%) 0.83		
<b>Totals: Weight: 70% Weighted Score: 16.76</b>		

**Division Needs Total Score: 11.98**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 25.78	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 68.19		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (10%) 0.83		
<b>Totals: Weight: 50% Weighted Score: 11.98</b>		

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	3.39
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	21633.93
Capacity:	75800.39
Volume/Capacity Ratio:	0.29
% Autos:	87%
% Trucks:	13%
Truck Volume:	2870.65
Crash Density:	71.49
Crash Severity:	75.26
Critical Crash Rate:	57.84
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	94
Actual Congested Speed:	55
Travel Time Index:	1

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	3.39
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):	2331248.49
Travel Time Savings for 30 Years (Autos):	2021910.76
Travel Time Savings for 30 Years (Trucks):	309337.73
Long-Term Employment:	39
% Change in Economy:	7.46E-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 4

\* 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**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 4	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>
East Carolina RPO	59%	59	0
Goldsboro Urban Area MPO	41%	41	0
Upper Coastal Plain RPO	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$65,322,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$65,322,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$65,322,000</b>	