



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141880

**Mode:** Highway

**Status:** Submitted

## US-17 BYP (Elizabeth City Bypass)

**From/Cross Street:** SR 1100 / 1140 (Okisko Road)

**Specific Improvement Type:** 17 - Upgrade Freeway to Interstate Standards

**To:** US 17/158 north of Elizabeth City (North Road Street)

**Project Category:** Statewide Mobility

**Length:** 9.98

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$16,554,000

### Description:

Upgrade freeway to interstate standards

**Division(s):** Division 1

**County(s):** PASQUOTANK

**MPOS(s)/RPO(s):** Albemarle RPO

### Project Location



**Statewide Mobility Total Score: 7.44**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%)	20.42	N/A	N/A
Economic Competitiveness (10%)	0.90		
Multimodal + [Freight & Military] (20%)	5.59		
Congestion (V/C) (30%)	13.97		
[Travel Time] Benefit/Cost (30%)	0.00		
<b>Totals: Weight: 100% Weighted Score: 7.44</b>			

**Regional Impact Total Score: 20.16**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%)	13.97	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (15%)	20.42		
Lane Width (10%)	0.00		
[Paved] Shoulder Width (10%)	0.00		
[Travel Time] Benefit/Cost (20%)	0.00		
<b>Totals: Weight: 70% Weighted Score: 5.16</b>			

**Division Needs Total Score: 3.44**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%)	13.97	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	20.42		
Lane Width (10%)	0.00		
[Paved] Shoulder Width (10%)	0.00		
[Travel Time] Benefit/Cost (10%)	0.00		
<b>Totals: Weight: 50% Weighted Score: 3.44</b>			

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

Existing Cross-Section:	
Speed Limit:	69
Length (miles);	9.98
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	11330.62
Capacity:	72048.86
Volume/Capacity Ratio:	0.16
% Autos:	90%
% Trucks:	10%
Truck Volume:	1117.06
Crash Density:	23.96
Crash Severity:	8.33
Critical Crash Rate:	28.98
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	97
Actual Congested Speed:	2.86
Travel Time Index:	24.52

**Project Benefits**

Project Cross-Section:	
Speed Limit:	69
Length (miles):	9.98
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	3.73
% Change in Economy:	1.43E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 1

\* 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**

Division	Percent	Regional Impact	Division Needs
Division 1	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Albemarle RPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$16,554,000	TIP Unit
Right-of-Way Cost:	\$0	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$16,554,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$16,554,000</b>	