



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141929

Mode: Highway

Status: Submitted

US-17

From/Cross Street: US 17 Business (North) in Edenton (Broad Street)

To: SR 1100 / 1140 (Okisko Road)

Length: 19.23

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

Project Category: Statewide Mobility

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$362,296,000

Description:

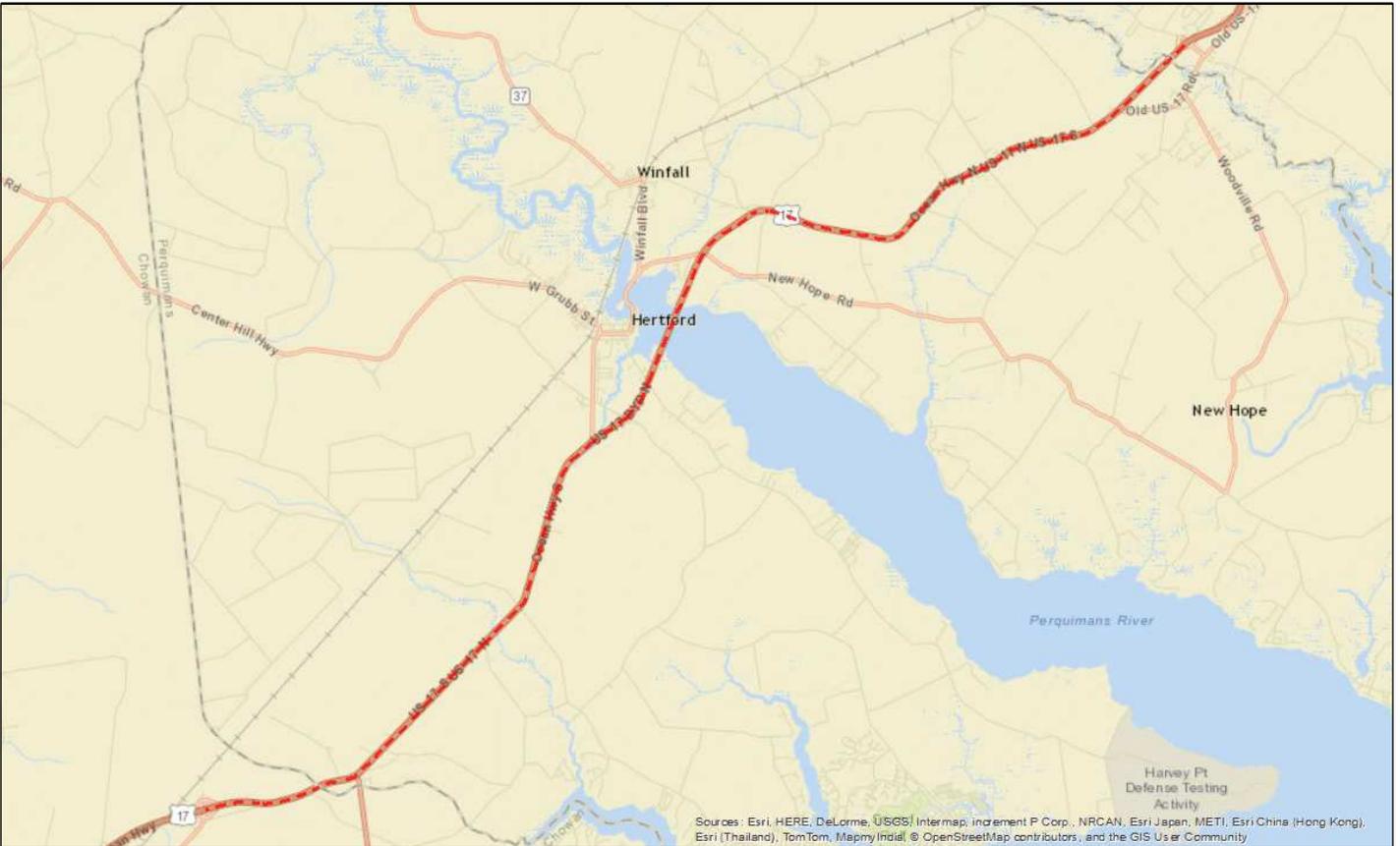
Upgrade roadway to Interstate

Division(s): Division 1

County(s): PERQUIMANS, CHOWAN, PASQUOTANK

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

Project Location



Statewide Mobility Total Score: 12.23

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	15.31	N/A	N/A
Safety (10%)	33.91		
Economic Competitiveness (10%)	28.34		
Multimodal + [Freight & Military] (20%)	6.37		
[Travel Time] Benefit/Cost (30%)	0.46		
Totals: Weight: 100% Weighted Score: 12.23			

Regional Impact Total Score: 24.98

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
[Paved] Shoulder Width (10%)	25.00	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (15%)	33.91		
Lane Width (10%)	0.00		
Congestion (V/C) (15%)	15.31		
[Travel Time] Benefit/Cost (20%)	0.46		
Totals: Weight: 70% Weighted Score: 9.98			

Division Needs Total Score: 7.47

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%)	15.31	Percent: 25% Points: 0	Percent: 25% Points: 0
Lane Width (10%)	0.00		
[Paved] Shoulder Width (10%)	25.00		
[Travel Time] Benefit/Cost (10%)	0.46		
Safety (10%)	33.91		
Totals: Weight: 50% Weighted Score: 7.47			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	19.23
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	12808.31
Capacity:	75440.18
Volume/Capacity Ratio:	0.17
% Autos:	90%
% Trucks:	10%
Truck Volume:	1274.44
Crash Density:	27.9
Crash Severity:	40.94
Critical Crash Rate:	32.9
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	97
Actual Congested Speed:	56.9
Travel Time Index:	0.97

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	19.23
Facility Type:	Freeway
Access Control:	None
Functional Classification:	Interstate
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	7483621.55
Travel Time Savings for 30 Years (Autos):	6738992.06
Travel Time Savings for 30 Years (Trucks):	744629.49
Long-Term Employment:	116.79
% Change in Economy:	0.00045008
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 1

* 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 1	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$248,047,000	Cost Estimation Tool
Right-of-Way Cost:	\$102,008,000	Cost Estimation Tool
Utilities Cost:	\$12,241,000	Cost Estimation Tool
Total Project Cost:	\$362,296,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$362,296,000	