



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141869

Mode: Highway

Status: Submitted

US-17 BYP (Edenton Bypass)

From/Cross Street: South end of Chowan River Bridge **Specific Improvement Type:** 17 - Upgrade Freeway to Interstate Standards

To: US 17 Business (North) in Edenton (Broad Street) **Project Category:** Statewide Mobility

Length: 9.19

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$39,943,000

Description:

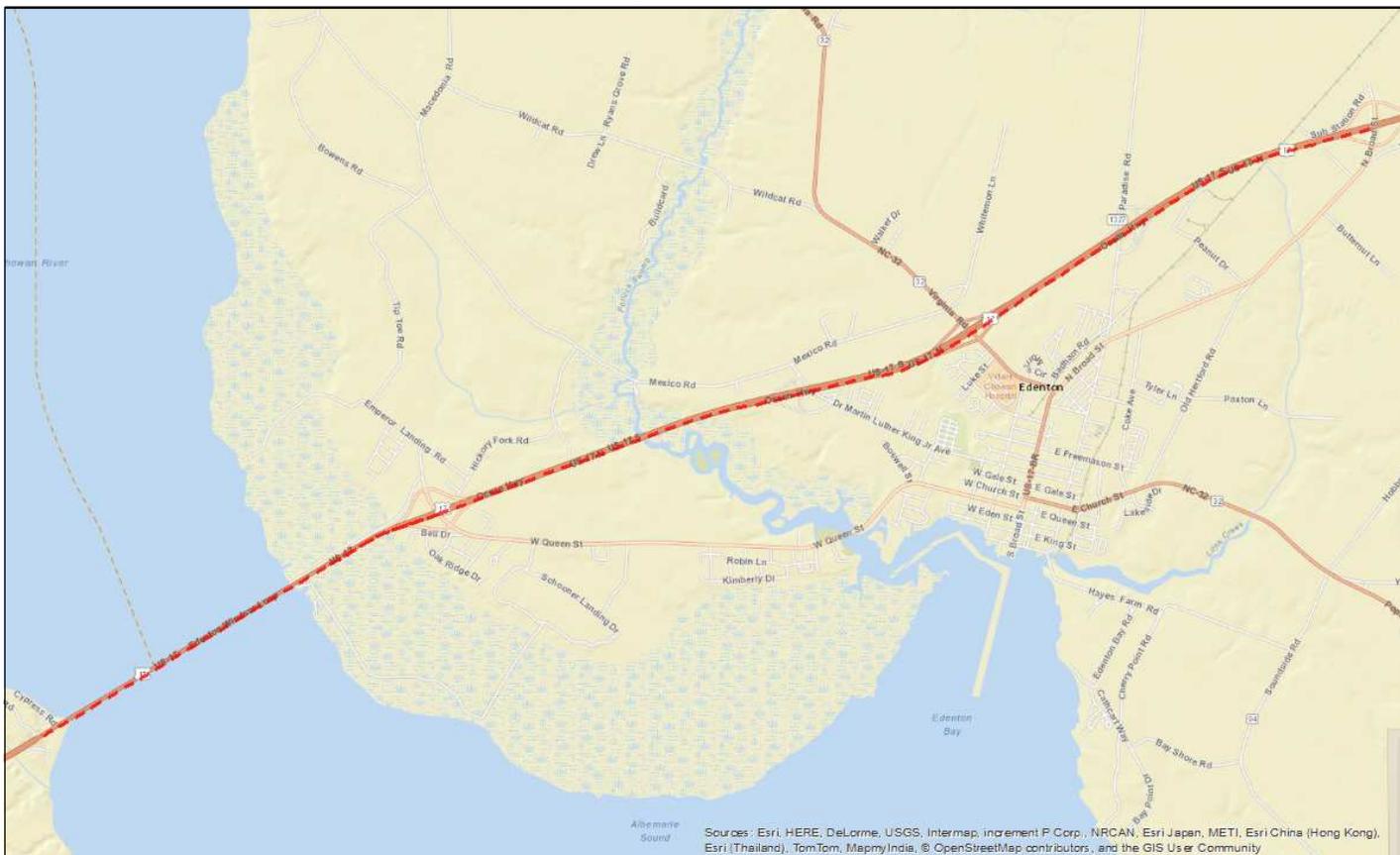
Upgrade freeway to interstate standards

Division(s): Division 1

County(s): CHOWAN, BERTIE

MPOS(s)/RPO(s): Albemarle RPO, Peanut Belt RPO

Project Location



Statewide Mobility Total Score: 8.75

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%)	0.00	N/A	N/A
Congestion (V/C) (30%)	10.14		
Safety (10%)	44.52		
Economic Competitiveness (10%)	0.79		
Multimodal + [Freight & Military] (20%)	5.87		
Totals: Weight: 100% Weighted Score: 8.75			

Regional Impact Total Score: 28.2

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%)	10.14	Percent: 15% Points: 0	Percent: 15% Points: 100
Lane Width (10%)	25.00		
[Paved] Shoulder Width (10%)	25.00		
[Travel Time] Benefit/Cost (20%)	0.00		
Safety (15%)	44.52		
Totals: Weight: 70% Weighted Score: 13.2			

Division Needs Total Score: 35.47

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%)	10.14	Percent: 25% Points: 0	Percent: 25% Points: 100
Safety (10%)	44.52		
Lane Width (10%)	25.00		
[Paved] Shoulder Width (10%)	25.00		
[Travel Time] Benefit/Cost (10%)	0.00		
Totals: Weight: 50% Weighted Score: 10.47			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	59
Length (miles);	9.19
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	8241.94
Capacity:	72228.08
Volume/Capacity Ratio:	0.11
% Autos:	86%
% Trucks:	14%
Truck Volume:	1174.86
Crash Density:	49.24
Crash Severity:	33.66
Critical Crash Rate:	50.68
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	96
Actual Congested Speed:	60.6
Travel Time Index:	0.99

Project Benefits

Project Cross-Section:	
Speed Limit:	59
Length (miles):	9.19
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:	3.53
% Change in Economy:	1.22E-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
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Albemarle RPO	90%	90	90
Peanut Belt RPO	10%	10	10
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$39,943,000	TIP Unit
Right-of-Way Cost:	\$0	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$39,943,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$39,943,000	