



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090803

Mode: Highway

Status: Submitted

US-17

From/Cross Street: Wilmington Bypass

Specific Improvement Type: 4 - Upgrade Arterial to Superstreet

To: Onslow County Line

Project Category: Statewide Mobility

Length: 6.98

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$148,089,000

Description:

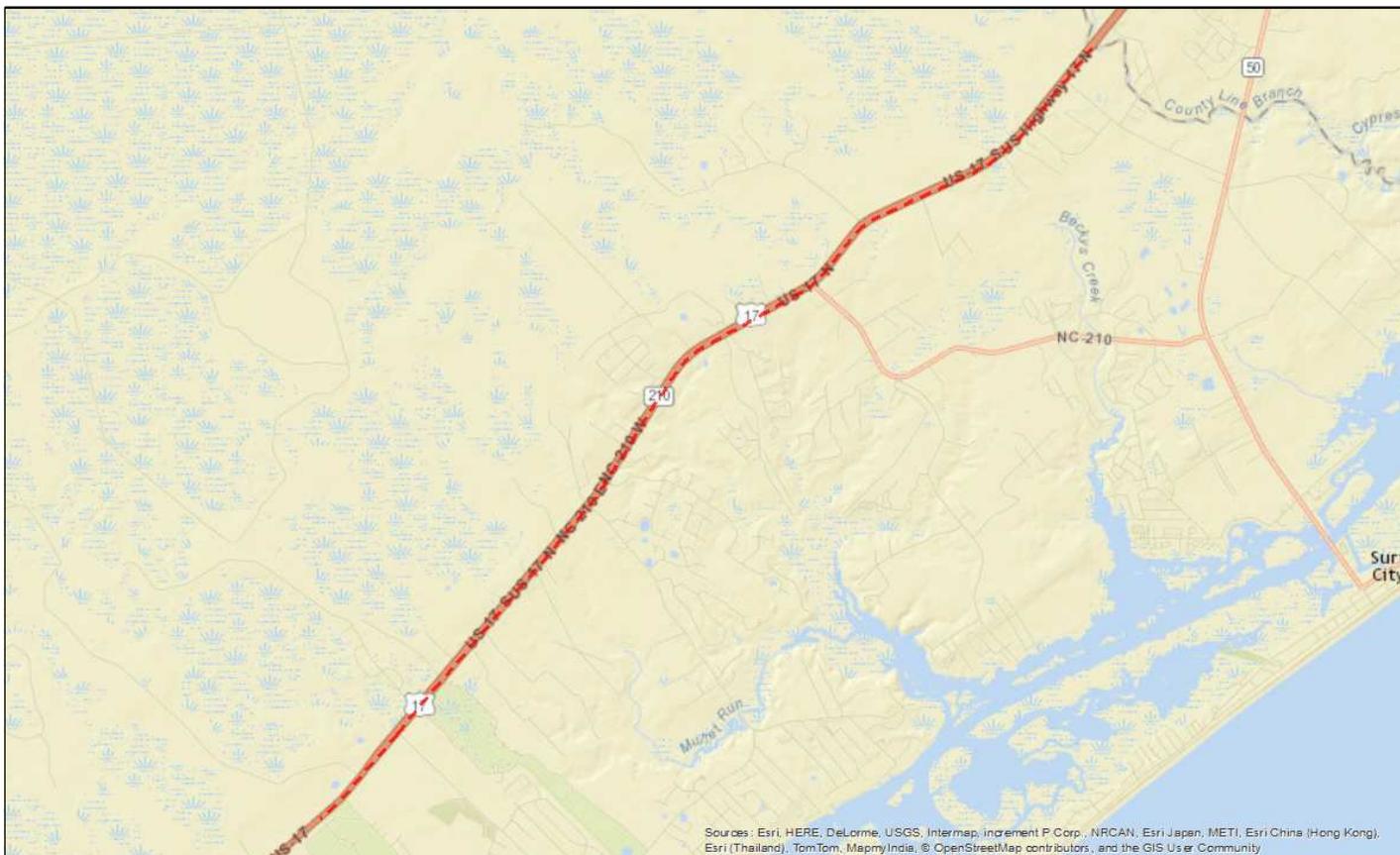
Improve Safety and Preserve the Capacity of the Highway from the Mpo Boundary to the onslow County Line (Tip # Fs-0803B).

Division(s): Division 3

County(s): PENDER

MPOS(s)/RPO(s): Wilmington Urban Area MPO, Cape Fear RPO

Project Location



Statewide Mobility Total Score: 16.02

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 26.63	N/A	N/A
Safety (10%) 51.16		
Economic Competitiveness (10%) 0.00		
Multimodal + [Freight & Military] (20%) 14.57		
[Travel Time] Benefit/Cost (30%) 0.00		
Totals: Weight: 100% Weighted Score: 16.02		

Regional Impact Total Score: 22.88

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 51.16	Percent: 15% Points: 0	Percent: 15% Points: 43
Multimodal + [Freight & Military] (25%) 14.57		
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 70% Weighted Score: 16.43		

Division Needs Total Score: 17.01

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 26.63	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (20%) 51.16		
Multimodal + [Freight & Military] (10%) 14.57		
Totals: Weight: 50% Weighted Score: 17.01		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	6.98
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	6
Roadway has Curb & Gutter?	No
Volume (AADT):	21658.13
Capacity:	72331.65
Volume/Capacity Ratio:	0.3
% Autos:	93%
% Trucks:	7%
Truck Volume:	1416.75
Crash Density:	48.85
Crash Severity:	61.19
Critical Crash Rate:	43.45
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	89
Actual Congested Speed:	51.01
Travel Time Index:	1.06

Project Benefits

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	6.98
Facility Type:	Superstreet
Access Control:	Limited
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):	-3821795.98
Travel Time Savings for 30 Years (Autos):	-3571795.51
Travel Time Savings for 30 Years (Trucks):	-250000.47
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* 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 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Wilmington Urban Area MPO	57%	0	0
Cape Fear RPO	43%	43	0
	0%	0	0
TOTAL MPO/RPO Points		43	0

Project Cost and Source

Construction Cost:	\$125,400,000	TIP Unit
Right-of-Way Cost:	\$20,258,000	Cost Estimation Tool
Utilities Cost:	\$2,431,000	Cost Estimation Tool
Total Project Cost:	\$148,089,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$148,089,000	