



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129515

Mode: Highway

Status: Submitted

(New Location)

From/Cross Street: Coinjock

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Corolla

Project Category: Statewide Mobility

Length: 6.87

TIP#: R-2576

Fully Funded in Draft STIP? No

Cost to NCDOT: \$173,304,000

Description:

Construct New Bridge Over Currituck Sound

Division(s): Division 1

County(s): CURRITUCK

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

Project Location



Statewide Mobility Total Score: 23.34

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 18.79	N/A	N/A
Safety (10%) 40.82		
Economic Competitiveness (10%) 100.00		
Multimodal + [Freight & Military] (20%) 4.73		
[Travel Time] Benefit/Cost (30%) 8.93		
Totals: Weight: 100% Weighted Score: 23.34		

Regional Impact Total Score: 45.73

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 18.79	Percent: 15% Points: 100	Percent: 15% Points: 100
[Paved] Shoulder Width (10%) 25.00		
Safety (15%) 40.82		
Lane Width (10%) 25.00		
[Travel Time] Benefit/Cost (20%) 8.93		
Totals: Weight: 70% Weighted Score: 15.73		

Division Needs Total Score: 36.85

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 18.79	Percent: 25% Points: 0	Percent: 25% Points: 100
Safety (10%) 40.82		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 25.00		
[Travel Time] Benefit/Cost (10%) 8.93		
Totals: Weight: 50% Weighted Score: 11.85		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	48
Length (miles);	43.4
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	11040.35
Capacity:	46072.97
Volume/Capacity Ratio:	0.24
% Autos:	91%
% Trucks:	9%
Truck Volume:	945.37
Crash Density:	39.09
Crash Severity:	53.59
Critical Crash Rate:	29.77
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	90
Actual Congested Speed:	28.93
Travel Time Index:	0.92

Project Benefits

Project Cross-Section:	2A - 2 Lane Undivided with Paved Shoulders, 55 mph
Speed Limit:	55
Length (miles):	6.87
Facility Type:	Two Lane Highway
Access Control:	None
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):	67888640.51
Travel Time Savings for 30 Years (Autos):	62075426.13
Travel Time Savings for 30 Years (Trucks):	5813214.38
Long-Term Employment:	2016
% Change in Economy:	0.00573892
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 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%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$383,281,000	TIP Unit
Right-of-Way Cost:	\$25,592,000	TIP Unit
Utilities Cost:	\$1,947,000	TIP Unit
Total Project Cost:	\$410,820,000	
Other Funding:	\$237,515,750	Toll Revenue less Roadway Maintenance & Financing
Cost to NCDOT :	\$173,304,000	