



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090253

Mode: Highway

Status: Submitted

NC-101

From/Cross Street: NC 101 West of Beaufort-Morehead City Airport

Specific Improvement Type: 5 - Construct Roadway on New Location

To: NC 101 East of Beaufort-Morehead City Airport

Project Category: Regional Impact

Length: 1.58

TIP#: R-3624

Fully Funded in Draft STIP? No

Cost to NCDOT: \$15,708,000

Description:

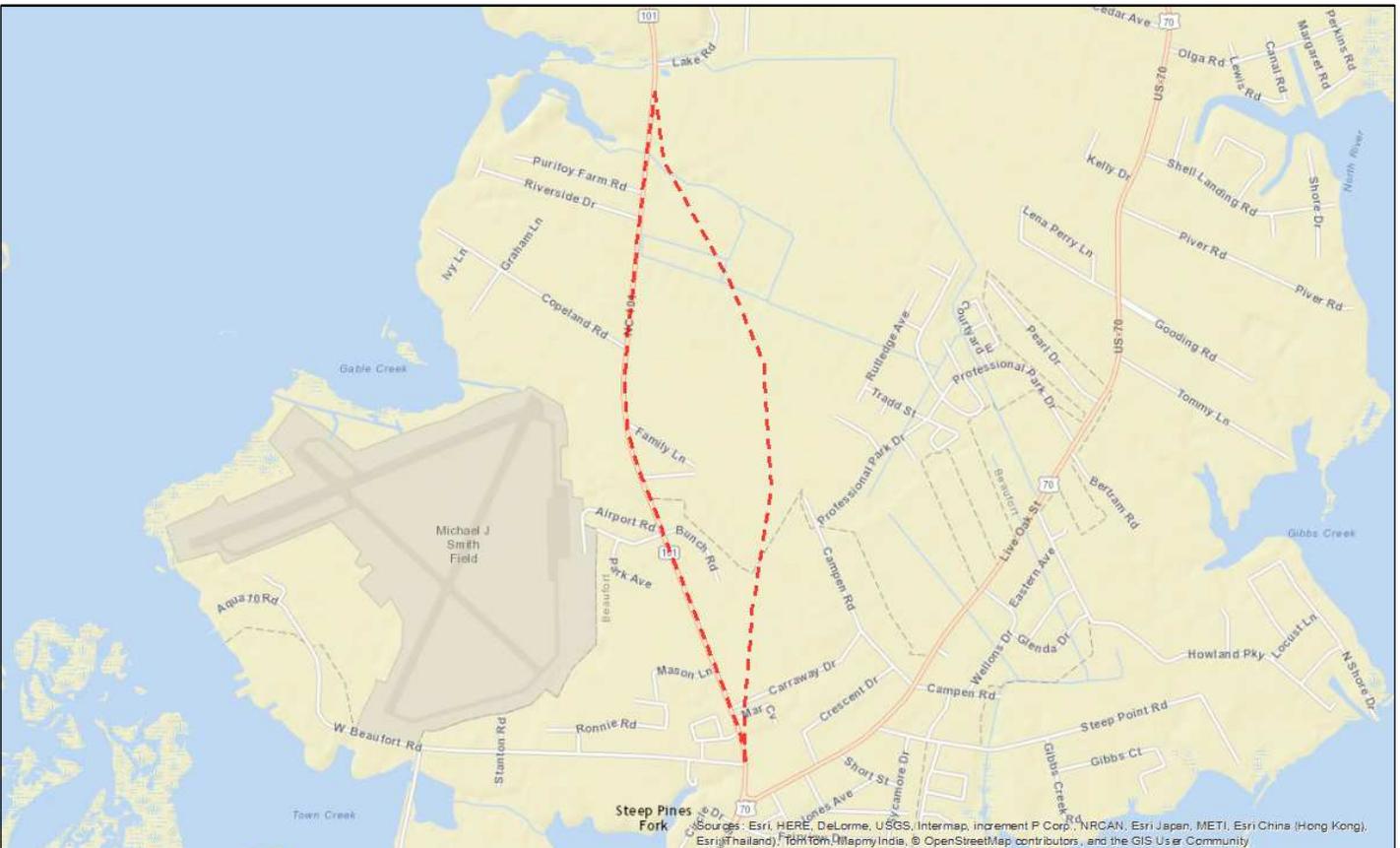
Beaufort-Morehead City Airport, Relocation to Accommodate Extension of Runway Number 26. Two Lanes on New Location.

Division(s): Division 2

County(s): CARTERET

MPOS(s)/RPO(s): Down East RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 45.1

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 65.41	Percent: 15% Points: 100	Percent: 15% Points: 85
Multimodal + [Freight & Military] (25%) 3.74		
[Travel Time] Benefit/Cost (20%) 0.33		
Totals: Weight: 70% Weighted Score: 17.35		

Division Needs Total Score: 45.28

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 34.13	Percent: 25% Points: 0	Percent: 25% Points: 100
Safety (20%) 65.41		
Multimodal + [Freight & Military] (10%) 3.74		
Totals: Weight: 50% Weighted Score: 20.28		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	1.6
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	8078.7
Capacity:	15688.29
Volume/Capacity Ratio:	0.51
% Autos:	91%
% Trucks:	9%
Truck Volume:	747.43
Crash Density:	80.71
Crash Severity:	68.13
Critical Crash Rate:	47.41
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	26
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	47
Travel Time Index:	0.96

Project Benefits

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	45
Length (miles):	1.58
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	224693.57
Travel Time Savings for 30 Years (Autos):	203905.35
Travel Time Savings for 30 Years (Trucks):	20788.22
Long-Term Employment:	
% Change in Economy:	
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 2

* 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 2	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Down East RPO	100%	85	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		85	100

Project Cost and Source

Construction Cost:	\$13,794,000	TIP Unit
Right-of-Way Cost:	\$1,709,000	Cost Estimation Tool
Utilities Cost:	\$205,000	Cost Estimation Tool
Total Project Cost:	\$15,708,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$15,708,000	