



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H142230

Mode: Highway

Status: Submitted

US-17

From/Cross Street: NC 172

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,130,000

Description:

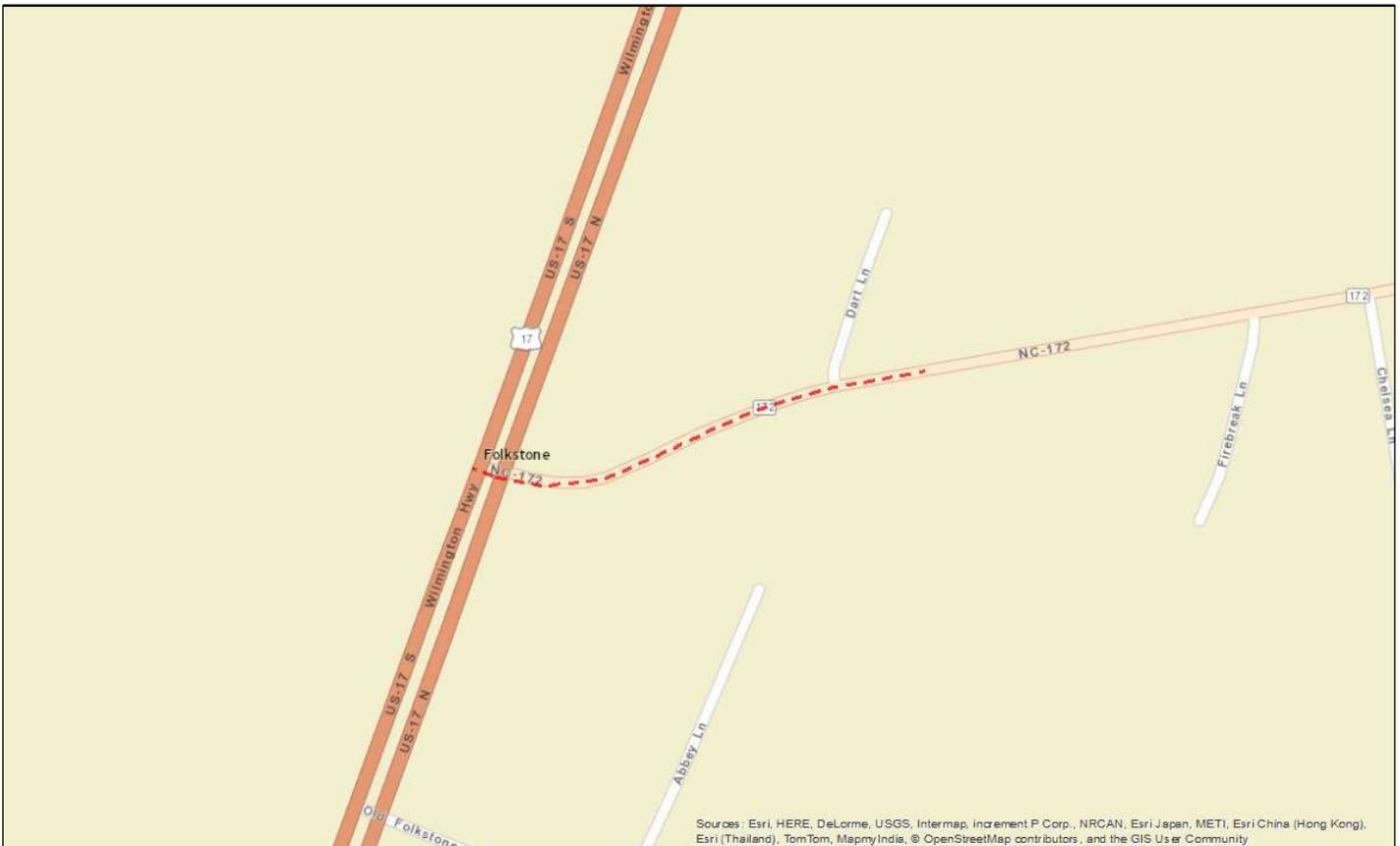
create trumpet interchange to facilitate better access to Camp Lejenuue

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO, Down East RPO

Project Location



Statewide Mobility Total Score: 20.26

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 11.64	N/A	N/A
Multimodal + [Freight & Military] (20%) 21.65		
Economic Competitiveness (10%) 6.97		
Safety (10%) 33.35		
Congestion (V/C) (30%) 28.03		
Totals: Weight: 100% Weighted Score: 20.26		

Regional Impact Total Score: 16.68

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 33.35	Percent: 15% Points: 0	Percent: 15% Points: 4
Multimodal + [Freight & Military] (25%) 21.65		
[Travel Time] Benefit/Cost (20%) 11.64		
Totals: Weight: 70% Weighted Score: 16.08		

Division Needs Total Score: 14.44

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (20%) 33.35	Percent: 25% Points: 0	Percent: 25% Points: 0
Multimodal + [Freight & Military] (10%) 21.65		
Congestion (V/C) (20%) 28.03		
Totals: Weight: 50% Weighted Score: 14.44		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	12000
Capacity:	31000
Volume/Capacity Ratio:	0.39
% Autos:	96%
% Trucks:	4%
Truck Volume:	460
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	30
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	72
Actual Congested Speed:	45.55
Travel Time Index:	1.21

Project Benefits

Project Cross-Section:	
Speed Limit:	70
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Full
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	3712000
Travel Time Savings for 30 Years (Autos):	3569706.69
Travel Time Savings for 30 Years (Trucks):	142293.31
Long-Term Employment:	59.5
% Change in Economy:	7.98E-05
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Down East RPO

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

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	96%	0	0
Down East RPO	4%	4	0
	0%	0	0
TOTAL MPO/RPO Points		4	0

Project Cost and Source

Construction Cost:	\$5,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,380,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$7,130,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$7,130,000	