



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141827

Mode: Highway

Status: Submitted

US-258

From/Cross Street: SR 1100 (Douglas Hill Farm Road) **Specific Improvement Type:** 1 - Widen Existing Roadway

To: Edgecombe County Line

Project Category: Regional Impact

Length: 2.48

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$6,793,000

Description:

Currently a 2-lane major thoroughfare, this project recommends to widen to 24 feet w/ paved shoulders and turn lanes where necessary. This is recommended as a continuity from recommendations in Edgecombe County CTP and the Northampton County CTP.

Division(s): Division 4

County(s): HALIFAX

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

Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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: 36.73

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 12.85	Percent: 15% Points: 72	Percent: 15% Points: 100
Safety (15%) 60.03		
Lane Width (10%) 0.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 70% Weighted Score: 10.93		

Division Needs Total Score: 7.29

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (10%) 0.00	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 60.03		
Lane Width (10%) 0.00		
[Paved] Shoulder Width (10%) 0.00		
Congestion (V/C) (10%) 12.85		
Totals: Weight: 50% Weighted Score: 7.29		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2.48
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	3007.57
Capacity:	15500
Volume/Capacity Ratio:	0.19
% Autos:	87%
% Trucks:	13%
Truck Volume:	397.7
Crash Density:	60.12
Crash Severity:	66.3
Critical Crash Rate:	53.67
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	81
Actual Congested Speed:	54
Travel Time Index:	1.02

Project Benefits

Project Cross-Section:	3A - 2 Lane with Two Way Left Turn Lane, and Paved Shoulders
Speed Limit:	55
Length (miles):	2.48
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	-10574.07
Travel Time Savings for 30 Years (Autos):	-9175.84
Travel Time Savings for 30 Years (Trucks):	-1398.23
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?	Yes
CTP/LRTP Name:	Halifax County Comprehensive Transportation Plan
CTP/LRTP Completion Year:	2012
Submitted by:	Peanut Belt 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 4	100%	72	0
	0%	0	0
	0%	0	0
TOTAL Division Points		72	0

MPO/RPO

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

Project Cost and Source

Construction Cost:	\$6,782,000	Cost Estimation Tool
Right-of-Way Cost:	\$10,000	Cost Estimation Tool
Utilities Cost:	\$1,000	Cost Estimation Tool
Total Project Cost:	\$6,793,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$6,793,000	