



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090284

Mode: Highway

Status: Submitted

## US-158

From/Cross Street: NC 12

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

To:

Project Category: Statewide Mobility

Length: 0.5

TIP#: R-4457

Fully Funded in Draft STIP? No

Cost to NCDOT: \$23,870,000

### Description:

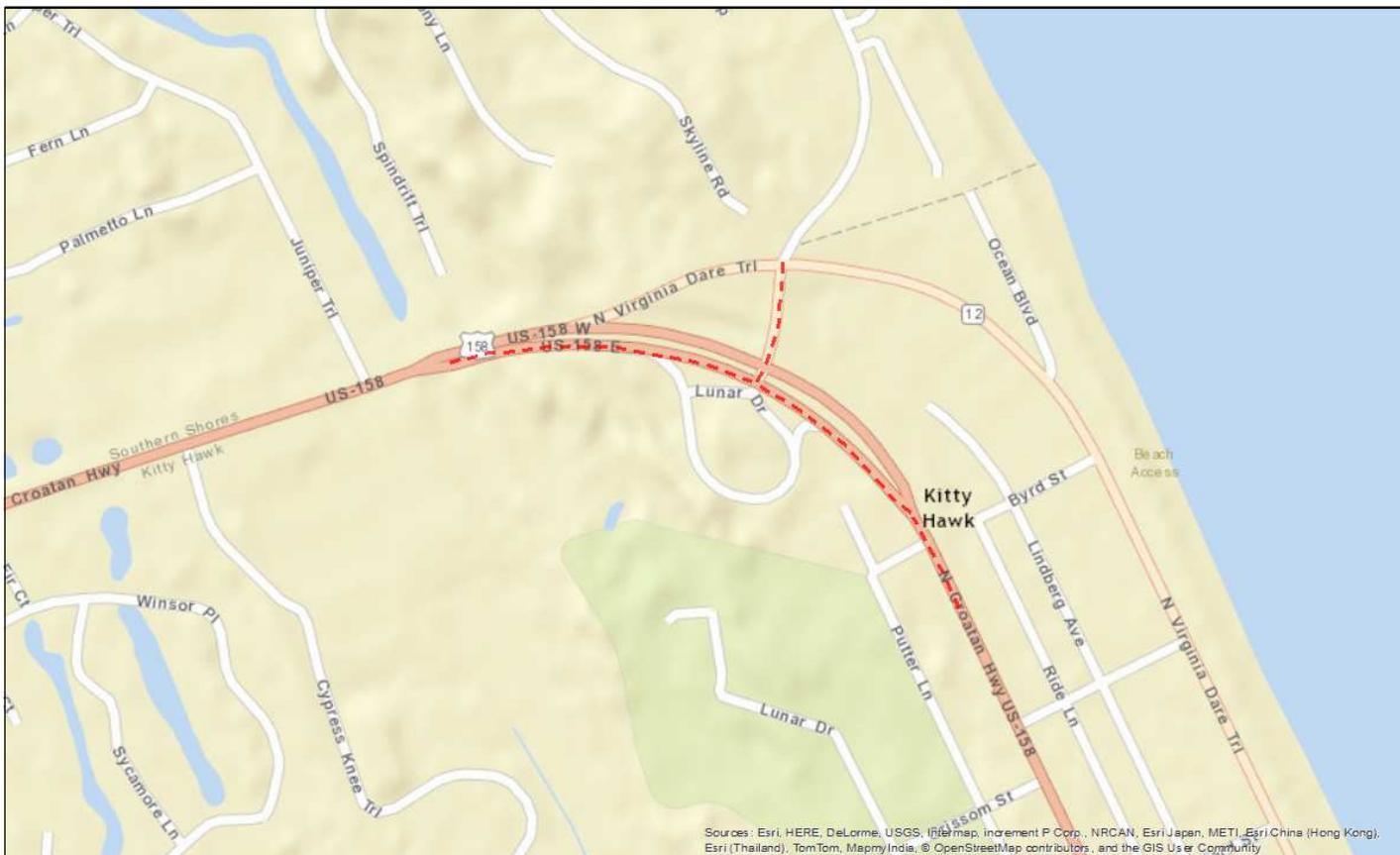
Improve intersection

Division(s): Division 1

County(s): DARE

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

### Project Location



**Statewide Mobility Total Score: 25.09**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	54.51	N/A	N/A
Safety (10%)	50.00		
Economic Competitiveness (10%)	1.30		
Multimodal + [Freight & Military] (20%)	17.58		
[Travel Time] Benefit/Cost (30%)	0.31		
<b>Totals: Weight: 100% Weighted Score: 25.09</b>			

**Regional Impact Total Score: 38.24**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%)	0.31	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (15%)	50.00		
Lane Width (10%)	0.00		
[Paved] Shoulder Width (10%)	75.00		
Congestion (V/C) (15%)	54.51		
<b>Totals: Weight: 70% Weighted Score: 23.24</b>			

**Division Needs Total Score: 17.98**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%)	54.51	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	50.00		
Lane Width (10%)	0.00		
[Paved] Shoulder Width (10%)	75.00		
[Travel Time] Benefit/Cost (10%)	0.31		
<b>Totals: Weight: 50% Weighted Score: 17.98</b>			

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles);	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	38051.87
Capacity:	58117.24
Volume/Capacity Ratio:	0.65
% Autos:	91%
% Trucks:	9%
Truck Volume:	3515.25
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	33.3
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	89
Actual Congested Speed:	37.71
Travel Time Index:	1.33

**Project Benefits**

Project Cross-Section:	
Speed Limit:	50
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	Partial
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):	322000
Travel Time Savings for 30 Years (Autos):	292253.5
Travel Time Savings for 30 Years (Trucks):	29746.5
Long-Term Employment:	5
% Change in Economy:	2.09E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
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 Online tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 1	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

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

**Project Cost and Source**

Construction Cost:	\$19,250,000	Cost Estimation Tool
Right-of-Way Cost:	\$4,620,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$23,870,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$23,870,000</b>	