



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090286

**Mode:** Highway

**Status:** Submitted

## US-17

**From/Cross Street:** SR 1336 (Harvey Point Road) and SR 1338 (Wayne Fork Road)

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

**To:**

**Project Category:** Statewide Mobility

**Length:** 2

**TIP#:** R-4459

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$17,124,000

### Description:

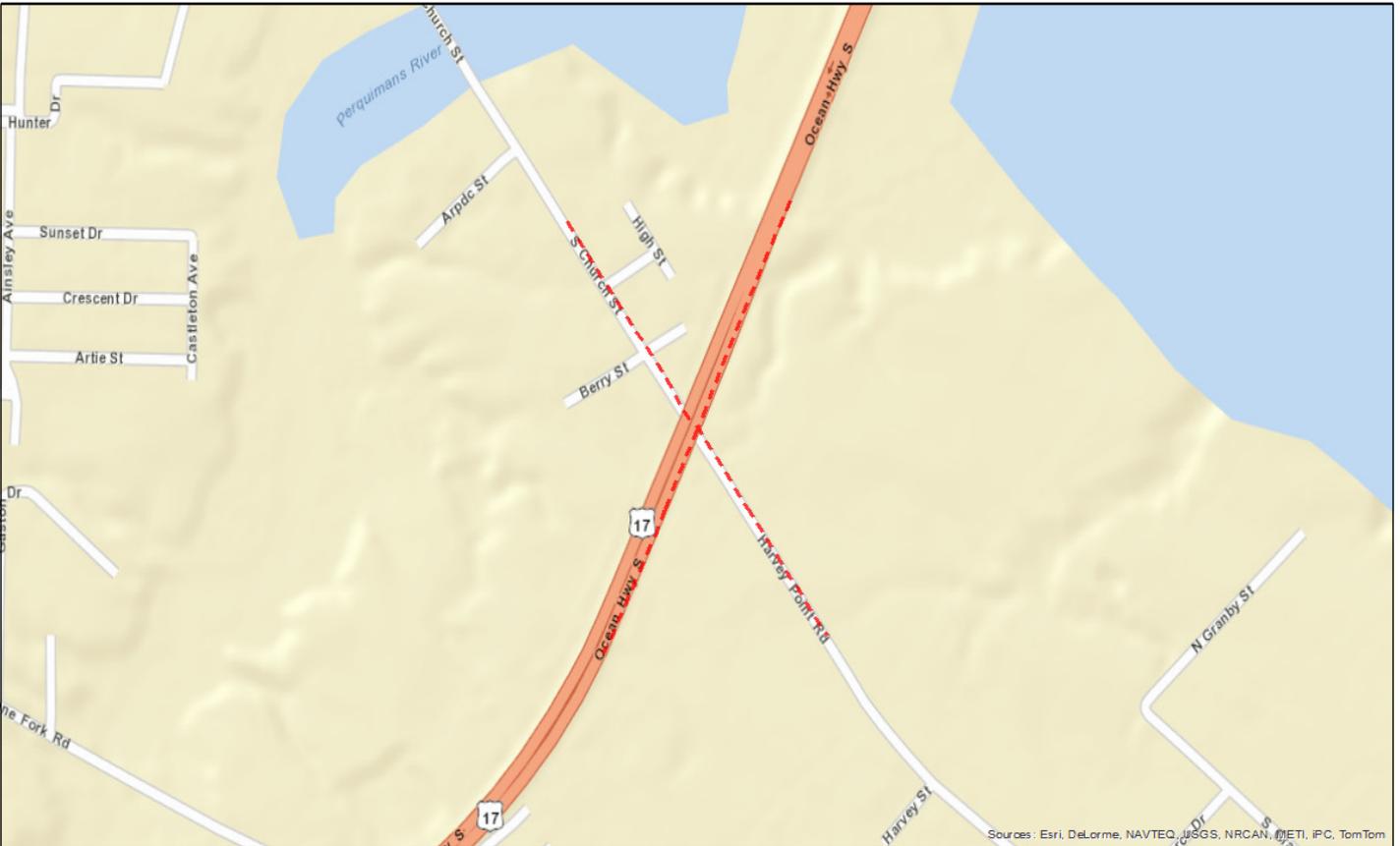
Convert at-Grade intersection to An interchange

**Division(s):** Division 1

**County(s):** PERQUIMANS

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

### Project Location



Sources : Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

**Statewide Mobility Total Score: 11.33**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 18.64	N/A	N/A
Safety (10%) 33.30		
Economic Competitiveness (10%) 2.83		
Multimodal + [Freight & Military] (20%) 9.13		
[Travel Time] Benefit/Cost (30%) 0.99		
<b>Totals: Weight: 100% Weighted Score: 11.33</b>		

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 18.64	Percent: 15% Points:	Percent: 15% Points:
Safety (15%) 33.30		
Lane Width (10%) 0.00		
[Paved] Shoulder Width (10%) 25.00		
[Travel Time] Benefit/Cost (20%) 0.99		
<b>Totals: Weight: 70% Weighted Score: 10.49</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 18.64	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 33.30		
Lane Width (10%) 0.00		
[Paved] Shoulder Width (10%) 25.00		
[Travel Time] Benefit/Cost (10%) 0.99		
<b>Totals: Weight: 50% Weighted Score: 7.79</b>		

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

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	17647.87
Capacity:	91451.9
Volume/Capacity Ratio:	0.19
% Autos:	90%
% Trucks:	10%
Truck Volume:	1825.87
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	33.3
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	26
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	100
Actual Congested Speed:	24.99
Travel Time Index:	2.2

**Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
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):	737000
Travel Time Savings for 30 Years (Autos):	660749.29
Travel Time Savings for 30 Years (Trucks):	76250.71
Long-Term Employment:	12
% Change in Economy:	4.46E-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 On!ine tool and associated databases.

**Project Ownership****Division**

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

**MPO/RPO**

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

**Project Cost and Source**

Construction Cost:	\$14,934,000	TIP Unit
Right-of-Way Cost:	\$2,190,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$17,124,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$17,124,000</b>	