

Project Development and Environmental Analysis Branch Project Data Sheets

<u>TIP No.:</u>	R-5858	<u>Sent Date:</u>	Oct. 8 th 2017
<u>WBS No.:</u>	475546.1.1	<u>Revision Date:</u>	
<u>Federal Aid No.:</u>	N/A	<u>Meeting Date:</u>	Nov. 7 th 2017
<u>Division:</u>	2		
<u>County:</u>	Carteret		

Project Description: The project consists of adding a second dedicated right turn lane onto each approach at the NC 24 / NC 58 intersection. Each approach currently contains one dedicated right turn lane. The existing southbound merge lane south of this intersection on NC 58 is proposed to be extended, ending at the bridge over Bogue Sound.

General Project Need: To improve operations and increase storage capacity.

Metropolitan / Rural Planning Organization: Down East Regional Planning Organization

NEPA/404 Merger Candidate?: Yes No To Be Determined

Feasibility Study Completed?: Yes No Date of Study:

<u>Project Schedule:</u>	<u>Type of Document:</u>	<u>Dates:</u>
Environmental Document(s):	MCDC	3/1/2018
Right of Way Authorization Date:		10/1/2018
Let Date:		10/1/2019

*Document type TBD, CE anticipated at this time.

<u>Cost Estimate:</u>	<u>Construction:</u>	<u>Right of Way/Utilities:</u>	<u>Total Cost:</u>
TIP Estimate:	\$4,600,000	\$200,000	\$4,800,000
Current Estimate:	N/A	N/A	N/A

Design Criteria:

Length of Project: .70 miles on NC 58

Right of Way: Existing: NC 24 – 150 feet ; NC 58 300 feet
 Proposed: NC 24 – 150 feet ; NC 58 300 feet

Type of Access Control: Existing: N/A
 Proposed: N/A

Roadway Typical Section: Existing: 5 – lane undivided, C&G ; 4 – lane undivided Shd
 Proposed: 5 – lane undivided, C&G ; 4 – lane undivided Shd

Speed: Existing Posted Speed: NC 24 – 45, 35; NC 58 – 45
 Proposed Design Speed: NC 24 – 45, 35; NC 58 – 45

Bridge/ Culvert Inventory: N/A

Functional Classification: NC 24 - Other Principal Arterial; NC 58 - Minor Arterial

Strategic Transportation Corridor Information: Highway (STRAHNET)

CTP/Thoroughfare Plan Designation (Facility Type): Highway

Air Quality Status: Non-attainment Maintenance Attainment

Horizon Completion Year (Long Range Trans. Plan): 2040

Typical Section in Compliance with Conformity Determination? Yes No

Traffic (AADT):	Year	Range of Traffic	% TTST:
Current Year: (2016)	2016	NC 24 (Cedar Point Blvd.) – 11,100; NC 24 (WB McLean Dr.) – 12,300 ; NC 58 7,900	N/A
Design Year: (2040)	2040	NC 24 (Cedar Point Blvd.) – 17,600; NC 24 (WB McLean Dr.) – 19,500 ; NC 58 9,500	N/A
			% Dual:
			% DHV:

Design Standards Applicable: AASHTO 3R

Railroad Involvement:

Utility Involvement:

Other STIP Projects in the Area
Other STIP in a 3-mile radius

STIP Project No.	Description	Right of Way Scheduled to Begin	Construction Scheduled to Begin
B-5939	Rehabilitate bridge 150006 over Bogue Sound	TBD	TBD
R-5852	Roundabout at Bogue Inlet Dr. and NC 58	2023	2025

Preliminary Study Area Resources Inventory Table

Resource/Affected Environment & Measure	Applicability/Resources in Study Area
General Project Information	
Length of project (approximate in miles)	1 mile
Crossing or Intersecting roadways (#)	NC 24
Cultural Resources	
NRHP (and eligible sites, districts, other properties) (#)	N/A
Human Environment	
Community Resources (#)	Visitor Center located along NC 58
Public Parks/Non-NRHP Section 4(f) Properties (#)	N/A
Greenways, Game Lands, Land and Water Conservation Fund Properties, Bicycle Routes, etc. (#)	N/A
Residential Properties (# potentially affected)	12
Business Properties (# potentially affected)	1
High % Special Populations (Low-income, Minority)	0
Natural Environment	
Streams (# of stream crossings)	0
Floodplain crossing	N/A
Wetlands (est. acres)	0
Ponds (est. acres connected to jurisdictional waters)	N/A
Critical Water Supply Watersheds	N/A
Riparian Buffer Rules apply	N/A

Outstanding Resource Waters / High Quality Resource Waters	Bogue Sound
Stream Classification	SA;ORW
303(d) Listed Streams	N/A
Identified Critical Habitat/ESA Spp. (# known)	<i>Lysimachia asperulaefolia</i> Rough-leaved loosestrife (Unresolved, pending surveys during the appropriate survey window)

Physical Environment	
Hazardous Materials (# suspected/known sites)	0
Utilities	N/A
Active agriculture (Voluntary Agricultural District)	No
FEMA Buyout Properties	No

NOTES: This table is intended to be used in conjunction with the Environmental Features Map.

R-5858 Environmental Features Map

Proposed Intersection Improvements at NC 58 and NC 24
 (Cedar Point Blvd and WB McLean Dr) Town of Cape Carteret
 Carteret County, North Carolina
 December 2017



This Exhibit is for planning purposes only and shown herein does not meet NC 47-30 Requirements and therefore is not for design, construction, or recording or transfer of title. The Exhibit was compiled from available information obtained from the sources listed below.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Aerial and Topographic Mapping
 USGS Mapping Services
 Carteret County GIS, NC OneMap,

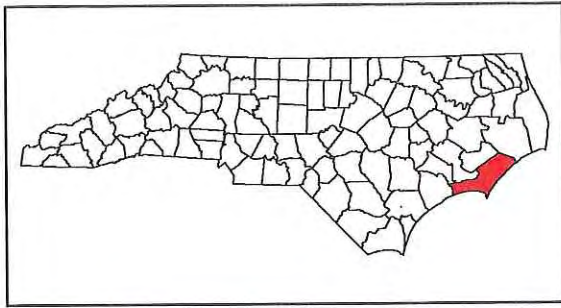
December 2017

N 1 inch = 331 feet

GRAPHIC SCALE

0 155 310 620 930 Feet





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Figure 1 - Project Vicinity

R-5858 Intersection Improvements
of NC 24 (Cedar Point Blvd &
WB McLean Dr) at NC 58
Cape Carteret

Carteret County, North Carolina
July 2017





Legend

R-5858 Project Study Area

Roads

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Sources:
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USGS Mapping Services



1 inch = 750 feet

GRAPHIC SCALE

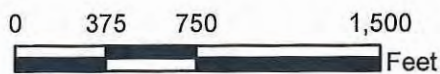
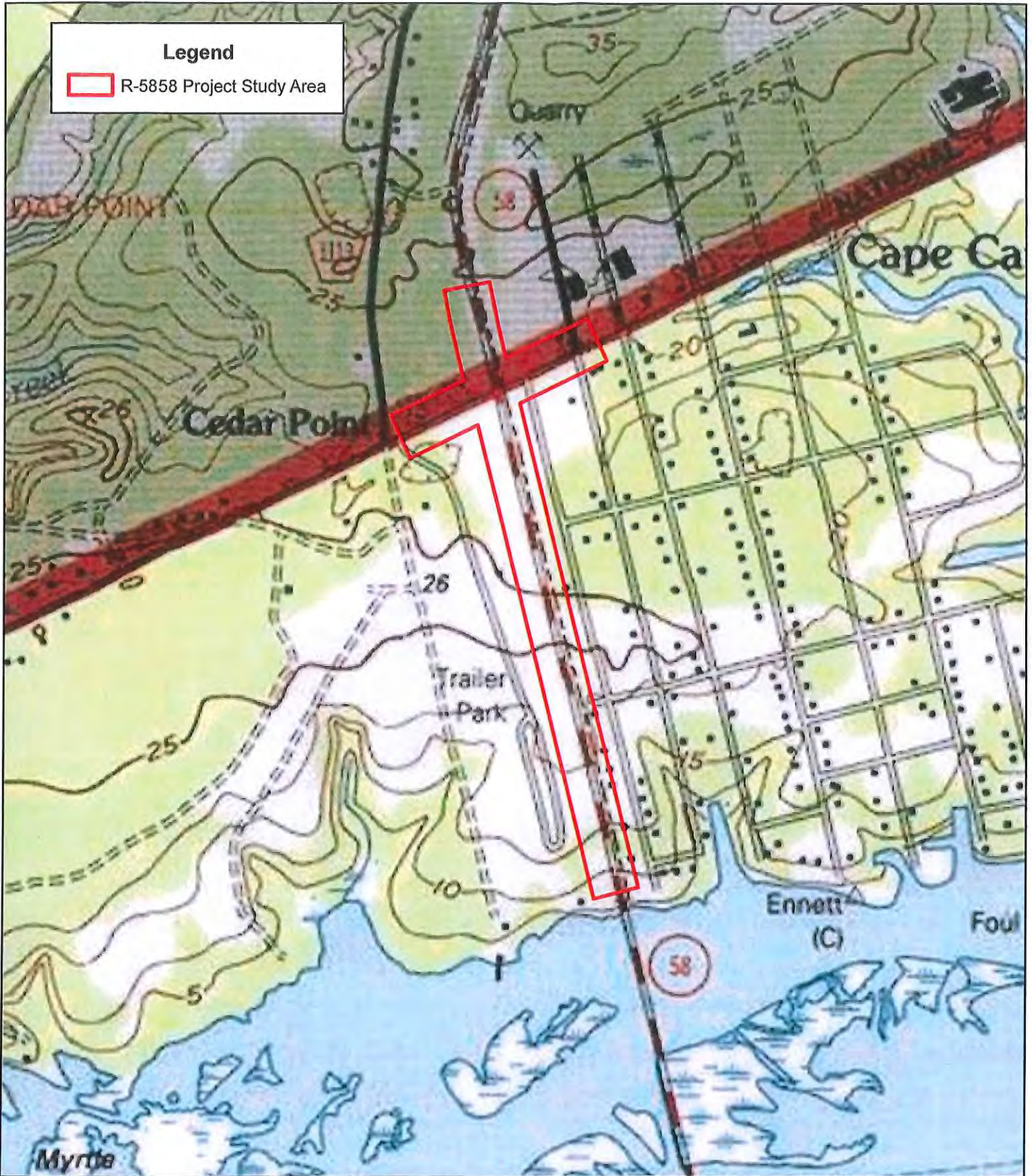


Figure 2 - Study Area Map
R-5858 Intersection Improvements
of NC 24 (Cedar Point Blvd &
WB McLean Dr) at NC 58

Carteret County

July 2017





Legend

R-5858 Project Study Area

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USGS Mapping Services

1 inch = 1,000 feet

GRAPHIC SCALE

0 500 1,000 2,000

Feet

Figure 3 - USGS Map
R-5858 Intersection Improvements
of NC 24 (Cedar Point Blvd &
WB McLean Dr) at NC 58

Swansboro, NC Quadrangle
July 2017

