

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commandant  
United States Coast Guard  
Fifth Coast Guard District

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16591  
23 MAY 2013

## ***PUBLIC NOTICE 5-1298***

### **TO WHOM IT MAY CONCERN:**

All interested parties are notified the Commander, Fifth Coast District has received an application from the North Carolina Department of Transportation (NCDOT) for a replacement bridge to be constructed across the navigable waters of the United States.

**WATERWAY AND LOCATION:** Over Brunswick River, at mile 3.6, between Leland, Brunswick County and Wilmington, New Hanover County, NC.

**CHARACTER OF WORK:** NCDOT proposes to replace the existing US 17 dual bridges over the Brunswick River with one combined bridge carrying both travel directions. The structure will consist of 100-foot long, 54-inch pre-stressed girder, with an eight-span superstructure and a substructure of end bents on piles and reinforced caps on four-foot drilled shafts. The purpose and need of the project is to reduce traffic congestion and improve travel time and safety along US 17 within the project area. The applicant is also requesting a waiver of a bridge permit under Title 33 Code of Federal Regulations, Section 115.70; Advance approval for bridges. Advance approval waterways are those that are navigable in law, but not actually navigated by other than small boats. The Commandant of the Coast Guard has given advance approval to the construction or repair of bridges across such waterways.

### **MINIMUM NAVIGATIONAL CLEARANCES:**

<b><u>Existing</u></b>	<b><u>Proposed</u></b>
Vertical Clearance: 4.3 feet above mean high water (MHW)	Vertical Clearance: 7.3 feet above MHW
Horizontal Clearance: 47 feet between bents	Horizontal Clearance: 81 feet between bents

**ENVIRONMENTAL CONSIDERATIONS:** The Federal Highway Administration, as lead agency, has preliminarily determined that this proposed bridge project qualified as a Categorical Exclusion. The 100-year water surface or flood elevation is 11.9 feet above the mean high tide elevation for both bridges. The North Carolina Division of Water Quality must approve this project under Section 401 of the Clean Water Act. The North Carolina Division of Coastal Management must approve this project under the Coastal Area Management Act. NCDOT is preparing and will submit a Joint Permit Application for all State and Federal Permits.

**ENVIRONMENTAL JUSTICE:** Based on the environmental documentation submitted for this project, it appears that the proposed bridge project will have no adverse environmental justice impacts upon minority and low-income populations under Environment Justice Requirements. Information and data contrary to this adverse impact position should be submitted in response to this notice.

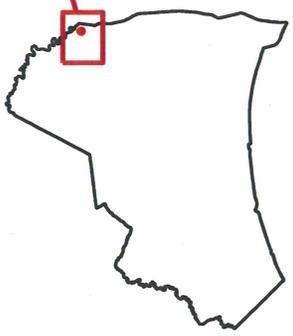
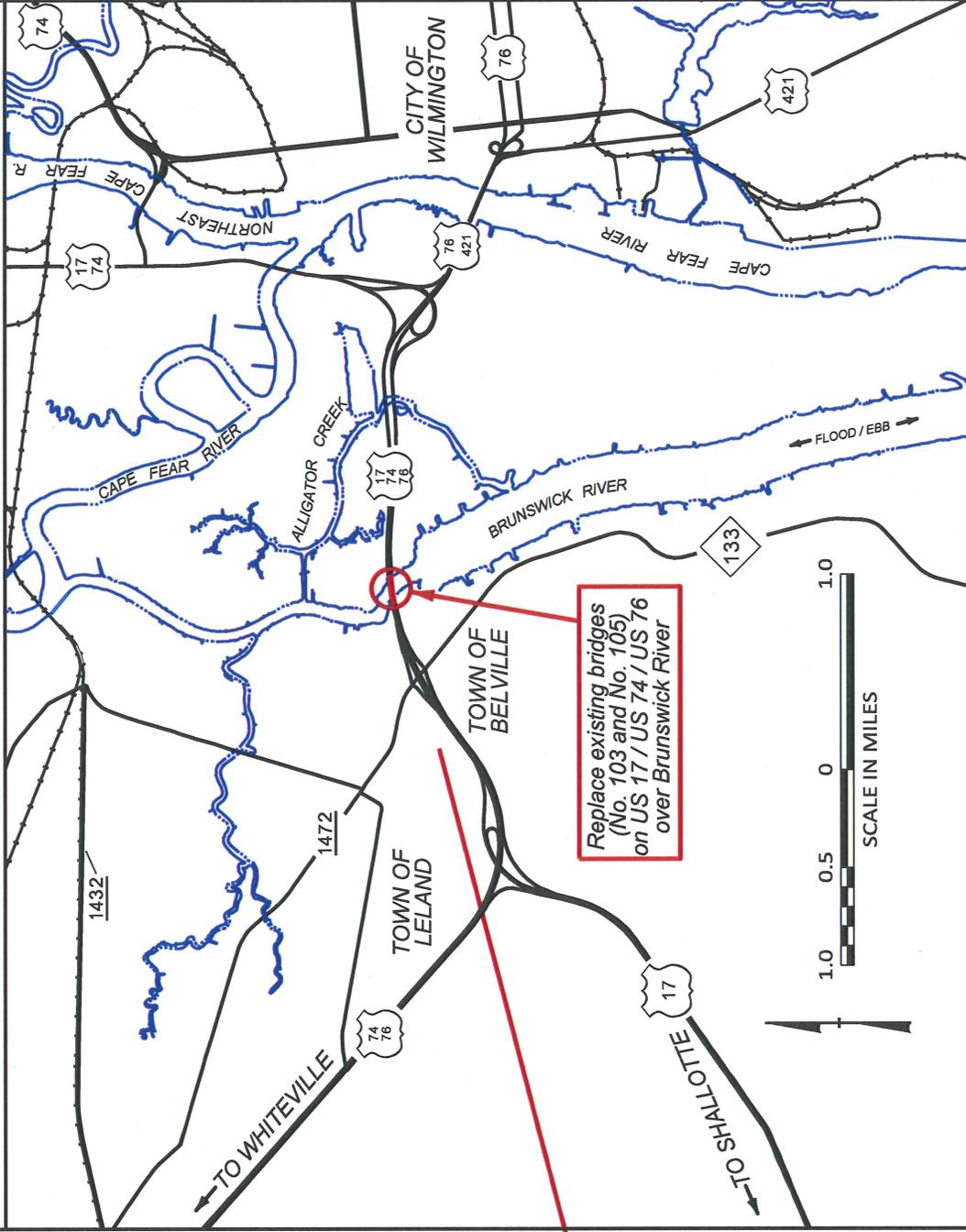
**SOLICITATION OF COMMENTS:** Interested parties are requested to express their views, in writing, on the proposed construction of the replacement bridge giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed project. Comments will be addressed for the record at the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, VA 23704-5004 through JUN 22 2013. Location and plan sheets are attached.

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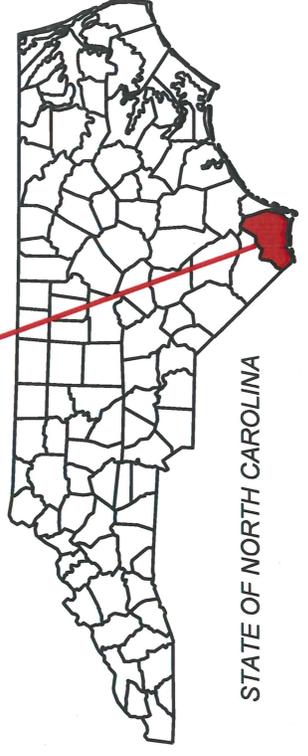
WAVERLY W. GREGORY, JR.  
Bridge Program Manager  
By direction of the Commander  
Fifth Coast Guard District

This is a web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version.

VICINITY MAP

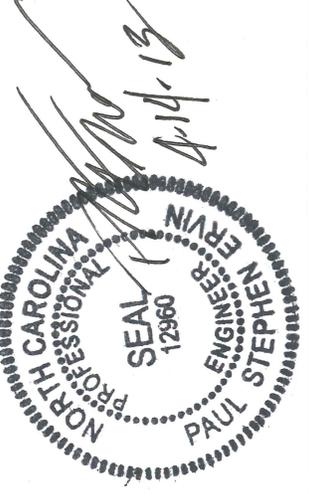


BRUNSWICK COUNTY



STATE OF NORTH CAROLINA

This bridge has been designed in accordance with the requirements of AASHTO LRFD Bridge Design Specifications.



State of North Carolina

Department of Transportation  
Raleigh, NC

State Project R-3601

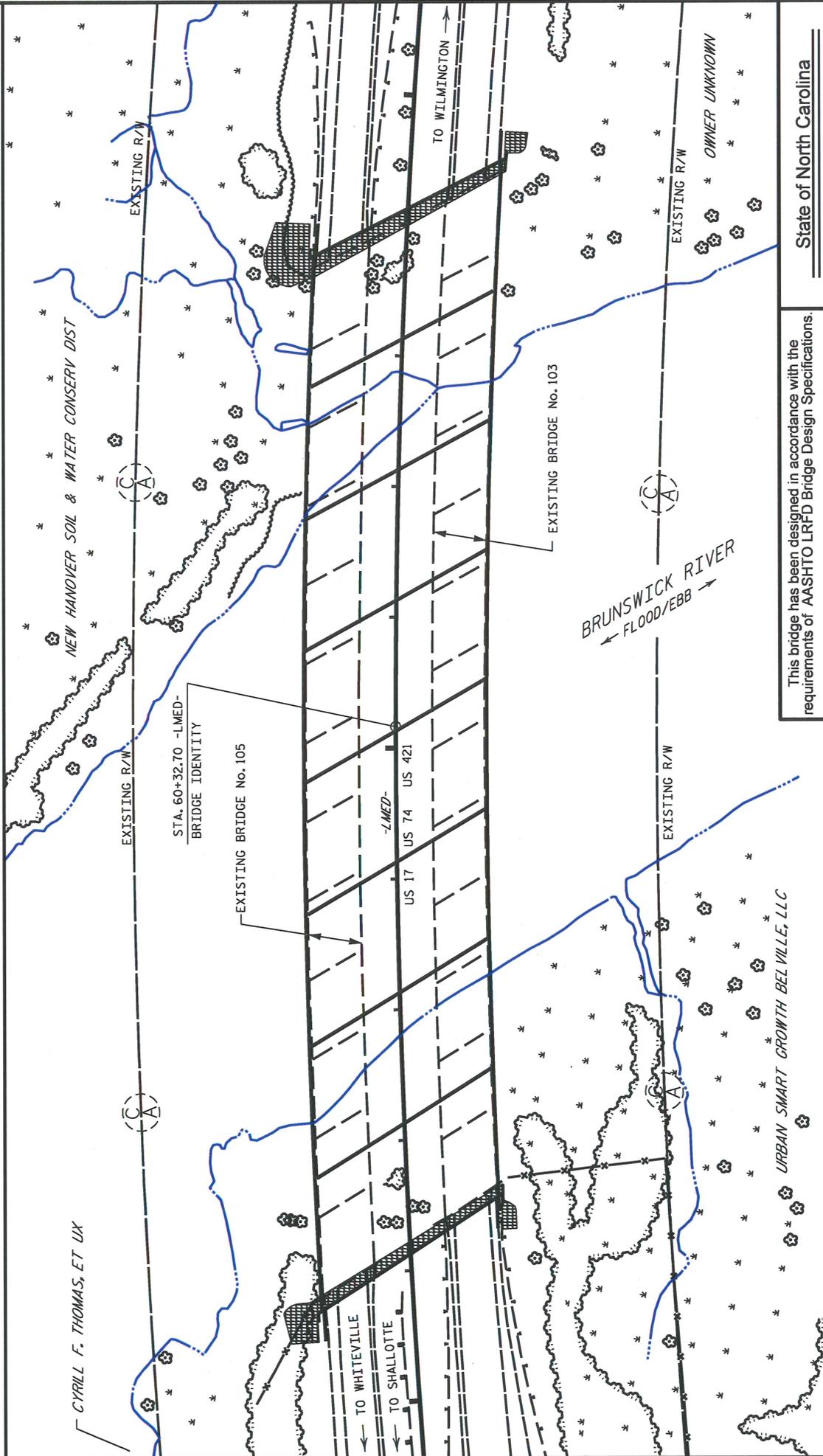
Replacement of Bridge No. 103 & No. 105  
on US 17 / US 74 / US 76  
between SR 1472 and US 421  
over Brunswick River, Mile Point 3.6,  
near Wilmington, NC

Brunswick County

April 14, 2013

Sheet 1 of 5

# LOCATION SKETCH

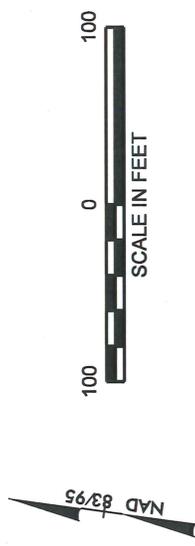


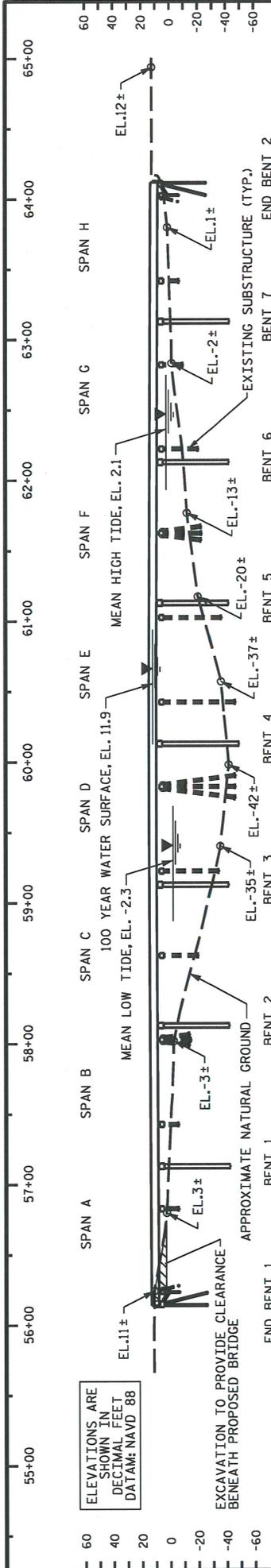
This bridge has been designed in accordance with the requirements of AASHTO LRFD Bridge Design Specifications.

**PAUL STEPHEN ERVIN**  
 PROFESSIONAL ENGINEER  
 12860  
 NORTH CAROLINA

*Signature*  
 4-14-13

State of North Carolina
Department of Transportation
Raleigh, NC
State Project R-3601
Replacement of Bridge No. 103 & No. 105 on US 17 / US 74 / US 76 between SR 1472 and US 421 over Brunswick River, Mile Point 3.6, near Wilmington, NC
Brunswick County
April 14, 2013
Sheet 2 of 5

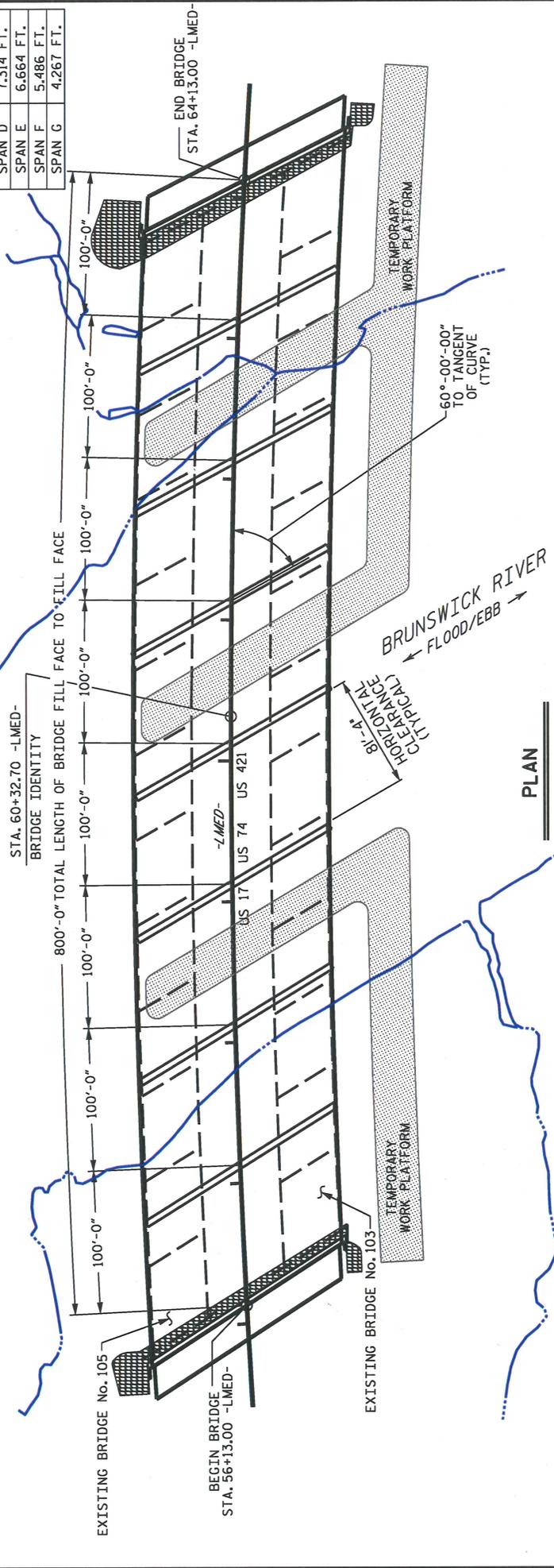




VERTICAL CLEARANCES ABOVE MEAN HIGH TIDE	
SPAN B	5.480 FT.
SPAN C	6.644 FT.
SPAN D	7.314 FT.
SPAN E	6.664 FT.
SPAN F	5.486 FT.
SPAN G	4.267 FT.

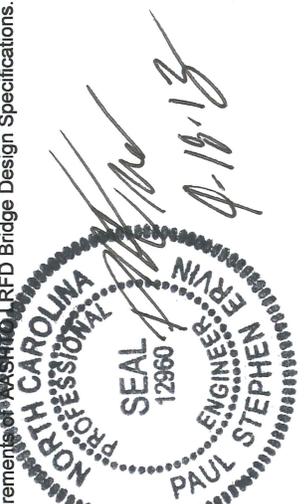
**SECTION ALONG SURVEY LINE (-LMED-)**

APPROXIMATE NATURAL GROUND ELEVATIONS ARE ALONG THE EDGE OF EXISTING BRIDGE No. 103 ON THE UPSTREAM SIDE



**PLAN**

This bridge has been designed in accordance with the requirements of the North Carolina LRFD Bridge Design Specifications.



**State of North Carolina**  
 Department of Transportation  
 Raleigh, NC

State Project R-3601

Replacement of Bridge No. 103 & No. 105  
 on US 17 / US 74 / US 76  
 between SR 1472 and US 421  
 over Brunswick River, Mile Point 3.6,  
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 April 14, 2013  
 Sheet 3 of 5

