



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

July 25, 2012

United States Army Corps of Engineers  
Washington Regulatory Field Office  
2407 West 5<sup>th</sup> St.  
Washington, NC 27899

ATTN: Mr. Bill Biddlecome  
NCDOT Coordinator

SUBJECT: **Application for Nationwide Permit 6 for Foundation Load Test**  
Replacement of Bridge 11 over Oregon Inlet on NC 12 in Dare County,  
North Carolina; TIP Project B-2500 (Phase I); Federal Aid Projects BRNHF-0012 (48)  
and BRNHF-0012 (36); WBS Element: 32635.1.4

Dear Sir,

The North Carolina Department of Transportation (NCDOT) is in the process of planning a foundation load test for the replacement of Bridge No. 11 over Oregon Inlet (TIP Project B-2500, Phase I) in Dare County, North Carolina. A completed Pre-Construction Notification and associated site drawings are attached for your review. As Oregon Inlet is designated as a "High Quality Water", and portions of the work will be occurring on a barrier island, notification to the appropriate agencies through a Nationwide Permit 6 application is required.

The contractor and their subcontractors will conduct the foundation load test. Additionally, the contractor is required to conduct a static load test involving axial and lateral loading. All activities are temporary and will be removed at the completion of testing. One primary test pile and a small number of non-production indicator test piles are planned at the following locations:

- **Primary Test Pile:** A static load test of a 36" square, precast pre-stressed concrete pile, involving axial and lateral loading to failure, will be performed in Scour Region III (near proposed Bent 24 in Oregon Inlet). This test would occur prior to commencement of bridge construction. This test pile will be installed in open water. The temporary impact, including test pile frame, will be limited to the area shown in the attached plan sheet. The exact location of the test pile and frame are to be determined on-site based on current site conditions.
- **Indicator Test Piles:** A small number of non-production, non-instrumented indicator piles (both 36" square and 54" cylinder) will be installed near the locations of the primary test pile (in Oregon Inlet) and at the North Approach (near proposed bents 80-81 in uplands). The first indicator piles would be attempted by driving only (no jetting) to the planned tip elevations. Preliminary analyses indicate that installation by driving-only will be possible at a very limited

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS  
1548 MAIL SERVICE CENTER  
RALEIGH NC 27699-1548

TELEPHONE: 919-707-6000  
FAX: 919-250-4224

**LOCATION:**  
CENTURY CENTER, BUILDING A  
1000 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

WEBSITE: [WWW.NCDOT.GOV/DOH/PRECONSTRUCT/PE/](http://WWW.NCDOT.GOV/DOH/PRECONSTRUCT/PE/)

number of locations. Jetting will be utilized where driving is not anticipated to be successful. The driven piles will be monitored with a Pile Driving Analyzer (PDA) solely to measure the driving stresses and available resistance. Where these indicator piles cannot be installed by driving alone, the DBT will use this opportunity to refine the jetting procedures proposed in the 404/401/CAMA permit application for B-2500 Phase 1 currently under review, and evaluate various jetting setups for both the 36" square piles and the 54" cylinder piles without instrumentation possibly getting in the way or being damaged. It is anticipated that the installation of the Primary Test Pile and Indicator Test Piles will also provide an opportunity to refine the jetting procedures and jetting spoils containment system prior to production pile installation. In Oregon Inlet, it will likely be a maximum of 3 Indicator Test Piles in addition to the Primary Test Pile to be installed.

- **Test Pile frames:** Eight to twelve temporary ~18" pipe piles will be driven to support the Primary Test Pile frame, from which the equipment will operate and guide the test piles into place.

All piles are temporary and will be removed at the completion of testing. The overall timeframe is anticipated to be 4-8 weeks from beginning to end. The 36" square Indicator Test Pile(s) and Primary Test Pile near proposed Bent 24 in open water will be installed first, followed by the 54" cylinder Indicator Test Pile(s) near proposed Bents 80 – 81 on land at the north end of the bridge. Activities are planned to begin in October 2012.

**Regulatory Approvals:**

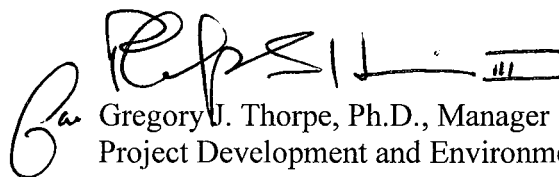
Section 404: The NCDOT anticipates that these activities will be authorized by a Nationwide Permit 6 will follow the general conditions of that permit.

Section 401 Permit: We anticipate 401 General Certification number 3883 will apply to this project. All general conditions of the Water Quality Certification will be met and therefore NCDOT is not requesting written approval. NCDOT is providing two copies of this application to the NCDWQ for their review.

Section 10 Permit: Application is hereby made for a USACE Section 10 Permit as required for the above-described activities.

If you have any questions or would like additional information, please contact Michael Turchy at [maturchy@ncdot.gov](mailto:maturchy@ncdot.gov) or (919) 707-6157. A copy of this application will also be posted at <http://www.doh.dot.state.nc.us/preconstruct/pe/>.

Sincerely,



Gregory J. Thorpe, Ph.D., Manager  
Project Development and Environmental Analysis Unit

cc: NCDOT Permit Application Standard Distribution List



Office Use Only:  
 Corps action ID no. \_\_\_\_\_  
 DWQ project no. \_\_\_\_\_  
 Form Version 1.3 Dec 10 2008

## Pre-Construction Notification (PCN) Form

### A. Applicant Information

#### 1. Processing

1a. Type(s) of approval sought from the Corps:	<input checked="" type="checkbox"/> Section 404 Permit	<input checked="" type="checkbox"/> Section 10 Permit
1b. Specify Nationwide Permit (NWP) number: 6 or General Permit (GP) number:		
1c. Has the NWP or GP number been verified by the Corps?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
1d. Type(s) of approval sought from the DWQ (check all that apply):		
<input type="checkbox"/> 401 Water Quality Certification – Regular <span style="margin-left: 150px;"><input type="checkbox"/> Non-404 Jurisdictional General Permit</span> <input type="checkbox"/> 401 Water Quality Certification – Express <span style="margin-left: 150px;"><input type="checkbox"/> Riparian Buffer Authorization</span>		
1e. Is this notification solely for the record because written approval is not required?	For the record only for DWQ 401 Certification: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	For the record only for Corps Permit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1f. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts? If so, attach the acceptance letter from mitigation bank or in-lieu fee program.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1g. Is the project located in any of NC's twenty coastal counties. If yes, answer 1h below.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
1h. Is the project located within a NC DCM Area of Environmental Concern (AEC)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

#### 2. Project Information

2a. Name of project:	B-2500 (Phase I) - Replacement of Bridge 11 over Oregon Inlet on NC 12
2b. County:	Dare
2c. Nearest municipality / town:	Nags Head
2d. Subdivision name:	
2e. NCDOT only, T.I.P. or state project no:	B-2500 (Phase I)

#### 3. Owner Information

3a. Name(s) on Recorded Deed:	North Carolina Department of Transportation
3b. Deed Book and Page No.	
3c. Responsible Party (for LLC if applicable):	
3d. Street address:	1598 Mail Service Center
3e. City, state, zip:	Raleigh, NC 27699-1598
3f. Telephone no.:	919-707-6157
3g. Fax no.:	919-212-5785
3h. Email address:	maturchy@ncdot.gov

<b>4. Applicant Information (if different from owner)</b>	
4a. Applicant is:	<input type="checkbox"/> Agent <input type="checkbox"/> Other, specify:
4b. Name:	
4c. Business name (if applicable):	
4d. Street address:	
4e. City, state, zip:	
4f. Telephone no.:	
4g. Fax no.:	
4h. Email address:	
<b>5. Agent/Consultant Information (if applicable)</b>	
5a. Name:	
5b. Business name (if applicable):	
5c. Street address:	
5d. City, state, zip:	
5e. Telephone no.:	
5f. Fax no.:	
5g. Email address:	

<b>B. Project Information and Prior Project History</b>	
<b>1. Property Identification</b>	
1a. Property identification no. (tax PIN or parcel ID):	
1b. Site coordinates (in decimal degrees):	Latitude: 35.77271 (DD.DDDDDD) Longitude: -75.53754 (-DD.DDDDDD)
1c. Property size:	n/a acres
<b>2. Surface Waters</b>	
2a. Name of nearest body of water (stream, river, etc.) to proposed project:	Oregon Inlet/Pamlico Sound
2b. Water Quality Classification of nearest receiving water:	SA
2c. River basin:	Pasquotank
<b>3. Project Description</b>	
3a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: Natural intertidal marsh and open water, partially within the Cape Hatteras National Seashore	
3b. List the total estimated acreage of all existing wetlands on the property: The 2.5-mile corridor is primarily either wetland or open water	
3c. List the total estimated linear feet of all existing streams (intermittent and perennial) on the property: n/a	
3d. Explain the purpose of the proposed project: To perform tests to determine the axial and lateral loading to failure of the 36" square, precast prestressed concrete piles and the 54" precast, prestressed cylinder piles (see cover letter).	
3e. Describe the overall project in detail, including the type of equipment to be used: Please see cover letter for description of work to be performed. Equipment to be used will include barges, hammer, and jetting equipment. The foundation load testing being performed on land will be performed with rubber tire or tracked heavy equipment, hammer and jetting equipment.	
<b>4. Jurisdictional Determinations</b>	
4a. Have jurisdictional wetland or stream determinations by the Corps or State been requested or obtained for this property / project (including all prior phases) in the past? Comments:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
4b. If the Corps made the jurisdictional determination, what type of determination was made?	<input type="checkbox"/> Preliminary <input checked="" type="checkbox"/> Final
4c. If yes, who delineated the jurisdictional areas? Name (if known):	Agency/Consultant Company: CZR Inc. Other:
4d. If yes, list the dates of the Corps jurisdictional determinations or State determinations and attach documentation. May 4, 2012, Action ID SAW-2012-00715. The Division of Coastal Management concurred with CAMA mapping on May 30, 2012	
<b>5. Project History</b>	
5a. Have permits or certifications been requested or obtained for this project (including all prior phases) in the past?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
5b. If yes, explain in detail according to "help file" instructions. NW 6, Action 10200310829, Issued 11/13/2003; NW 6, Action ID SAW-2011-00107, issued 1/13/2011 and modified 9/27/2011. Recently submitted Individual Permit Application for construction of B-2500 (Phase I).	

**6. Future Project Plans**

6a. Is this a phased project?

Yes

No

6b. If yes, explain.

The foundation load testing will be conducted as part of final design of Phase I (per the ROD) of the replacement of the Bonner Bridge. Future phases of B-2500 are not included herein.

**C. Proposed Impacts Inventory**

**1. Impacts Summary**

1a. Which sections were completed below for your project (check all that apply):  
 Wetlands                       Streams - tributaries                       Buffers  
 Open Waters                       Pond Construction

**2. Wetland Impacts**  
 If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

2a. Wetland impact number – Permanent (P) or Temporary (T)	2b. Type of impact	2c. Type of wetland (if known)	2d. Forested	2e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	2f. Area of impact (acres)
W1 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ	
W2 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ	
W3 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ	
W4 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ	
W5 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ	
W6 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ	

2g. **Total wetland impacts**

2h. **Comments:**

**3. Stream Impacts**

If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted.

3a. Stream impact number - Permanent (P) or Temporary (T)	3b. Type of impact	3c. Stream name	3d. Perennial (PER) or intermittent (INT)?	3e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	3f. Average stream width (feet)	3g. Impact length (linear feet)
S1 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S2 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S3 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S4 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S5 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S6 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		

3h. **Total stream and tributary impacts**

3i. **Comments:**

<b>4. Open Water Impacts</b>								
If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.								
4a. Open water impact number – Permanent (P) or Temporary (T)	4b. Name of waterbody (if applicable)	4c. Type of impact			4d. Waterbody type	4e. Area of impact (acres)		
O1 <input type="checkbox"/> P <input checked="" type="checkbox"/> T	Oregon Inlet/ Pamlico Sound	Foundation Load Testing			Open Water	<0.01 (temporary)		
O2 <input type="checkbox"/> P <input type="checkbox"/> T								
O3 <input type="checkbox"/> P <input type="checkbox"/> T								
O4 <input type="checkbox"/> P <input type="checkbox"/> T								
<b>4f. Total open water impacts</b>						<0.01 (temporary)		
4g. Comments: Temporary open water impacts are from 36" precast, prestressed square piles (to be removed after testing is completed) and a series of 18" pipe piles for the test frame. The pipe piles will be used to support the load testing equipment and will be removed after testing is completed.								
<b>5. Pond or Lake Construction</b>								
If pond or lake construction proposed, then complete the chart below.								
5a. Pond ID number	5b. Proposed use or purpose of pond	5c. Wetland Impacts (acres)			5d. Stream Impacts (feet)			5e. Upland (acres)
		Flooded	Filled	Excavated	Flooded	Filled	Excavated	Flooded
P1								
P2								
<b>5f. Total</b>								
5g. Comments:								
5h. Is a dam high hazard permit required?				<input type="checkbox"/> Yes <input type="checkbox"/> No      If yes, permit ID no:				
5i. Expected pond surface area (acres):								
5j. Size of pond watershed (acres):								
5k. Method of construction:								


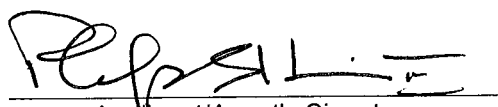


6. Buffer Impacts (for DWQ)					
If project will impact a protected riparian buffer, then complete the chart below. If yes, then individually list all buffer impacts below. If any impacts require mitigation, then you <b>MUST</b> fill out Section D of this form.					
6a. Project is in which protected basin?			<input type="checkbox"/> Neuse <input type="checkbox"/> Tar-Pamlico <input type="checkbox"/> Other: <input type="checkbox"/> Catawba <input type="checkbox"/> Randleman		
6b. Buffer impact number – Permanent (P) or Temporary (T)	6c. Reason for impact	6d. Stream name	6e. Buffer mitigation required?	6f. Zone 1 impact (square feet)	6g. Zone 2 impact (square feet)
B1 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No		
B2 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No		
B3 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>6h. Total buffer impacts</b>					
6i. Comments:					
<b>D. Impact Justification and Mitigation</b>					
<b>1. Avoidance and Minimization</b>					
1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing project. The foundation load test being performed in the vicinity of bent 24 will be performed from a barge. The indicator tests being performed in uplands near bents 80-81 will be performed with rubber tire drill rigs or low ground pressure tracked drill rigs.					
1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques. NCDOT will implement "Guidelines for Avoiding Impacts to the West Indian Manatee, Precautionary Measures for Construction Activities in North Carolina Waters," during work for this project. All conditions of Nationwide 6 will be adhered to during installation.					
<b>2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State</b>					
2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
2b. If yes, mitigation is required by (check all that apply):			<input type="checkbox"/> DWQ <input type="checkbox"/> Corps		
2c. If yes, which mitigation option will be used for this project?			<input type="checkbox"/> Mitigation bank <input type="checkbox"/> Payment to in-lieu fee program <input type="checkbox"/> Permittee Responsible Mitigation		
<b>3. Complete if Using a Mitigation Bank</b>					
3a. Name of Mitigation Bank:					
3b. Credits Purchased (attach receipt and letter)			Type	Quantity	

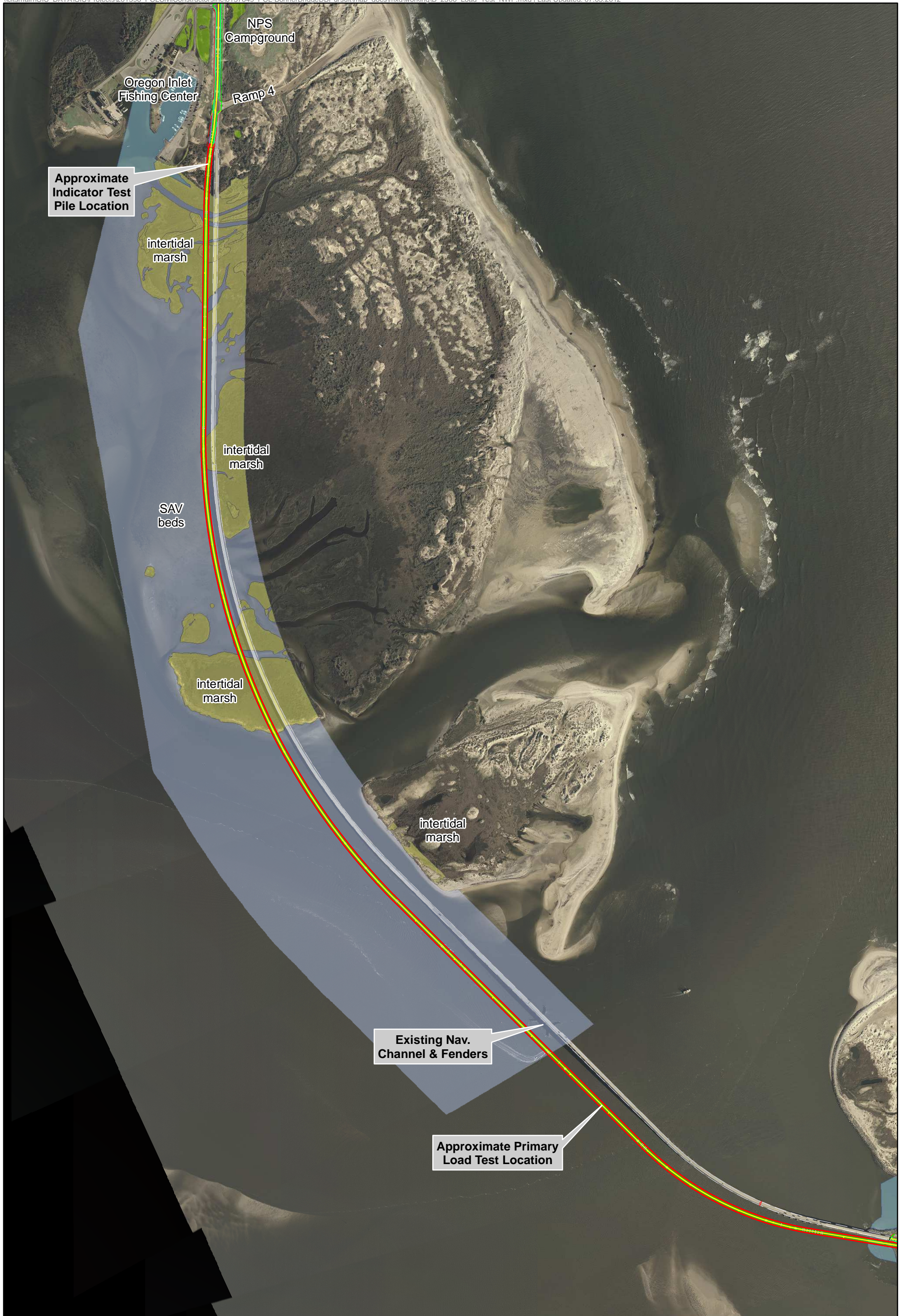
3c. Comments:				
<b>4. Complete if Making a Payment to In-lieu Fee Program</b>				
4a. Approval letter from in-lieu fee program is attached.			<input type="checkbox"/> Yes	
4b. Stream mitigation requested:			linear feet	
4c. If using stream mitigation, stream temperature:			<input type="checkbox"/> warm <input type="checkbox"/> cool <input type="checkbox"/> cold	
4d. Buffer mitigation requested (DWQ only):			square feet	
4e. Riparian wetland mitigation requested:			acres	
4f. Non-riparian wetland mitigation requested:			acres	
4g. Coastal (tidal) wetland mitigation requested:			acres	
4h. Comments:				
<b>5. Complete if Using a Permittee Responsible Mitigation Plan</b>				
5a. If using a permittee responsible mitigation plan, provide a description of the proposed mitigation plan.				
<b>6. Buffer Mitigation (State Regulated Riparian Buffer Rules) – required by DWQ</b>				
6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6b. If yes, then identify the square feet of impact to each zone of the riparian buffer that requires mitigation. Calculate the amount of mitigation required.				
Zone	6c. Reason for impact	6d. Total impact (square feet)	Multiplier	6e. Required mitigation (square feet)
Zone 1			3 (2 for Catawba)	
Zone 2			1.5	
6f. Total buffer mitigation required:				
6g. If buffer mitigation is required, discuss what type of mitigation is proposed (e.g., payment to private mitigation bank, permittee responsible riparian buffer restoration, payment into an approved in-lieu fee fund).				
6h. Comments:				

<b>E. Stormwater Management and Diffuse Flow Plan (required by DWQ)</b>	
<b>1. Diffuse Flow Plan</b>	
1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1b. If yes, then is a diffuse flow plan included? If no, explain why. Comments: Temporary subsurface activity only. Erosion control measures will be used.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2. Stormwater Management Plan</b>	
2a. What is the overall percent imperviousness of this project?	n/a %
2b. Does this project require a Stormwater Management Plan?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2c. If this project DOES NOT require a Stormwater Management Plan, explain why: subsurface exploration only	
2d. If this project DOES require a Stormwater Management Plan, then provide a brief, narrative description of the plan: n/a	
2e. Who will be responsible for the review of the Stormwater Management Plan?	<input type="checkbox"/> Certified Local Government <input type="checkbox"/> DWQ Stormwater Program <input type="checkbox"/> DWQ 401 Unit
<b>3. Certified Local Government Stormwater Review</b>	
3a. In which local government's jurisdiction is this project?	n/a
3b. Which of the following locally-implemented stormwater management programs apply (check all that apply):	<input type="checkbox"/> Phase II <input type="checkbox"/> NSW <input type="checkbox"/> USMP <input type="checkbox"/> Water Supply Watershed <input type="checkbox"/> Other:
3c. Has the approved Stormwater Management Plan with proof of approval been attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>4. DWQ Stormwater Program Review</b>	
4a. Which of the following state-implemented stormwater management programs apply (check all that apply):	<input type="checkbox"/> Coastal counties <input type="checkbox"/> HQW <input type="checkbox"/> ORW <input type="checkbox"/> Session Law 2006-246 <input type="checkbox"/> Other: N/A
4b. Has the approved Stormwater Management Plan with proof of approval been attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>5. DWQ 401 Unit Stormwater Review</b>	
5a. Does the Stormwater Management Plan meet the appropriate requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5b. Have all of the 401 Unit submittal requirements been met?	<input type="checkbox"/> Yes <input type="checkbox"/> No

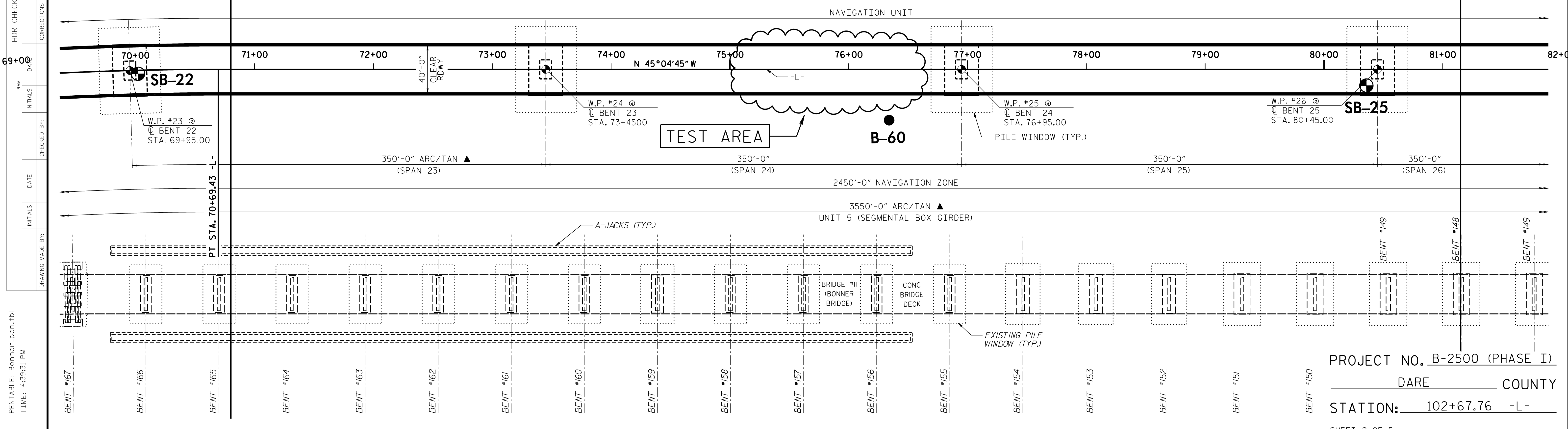
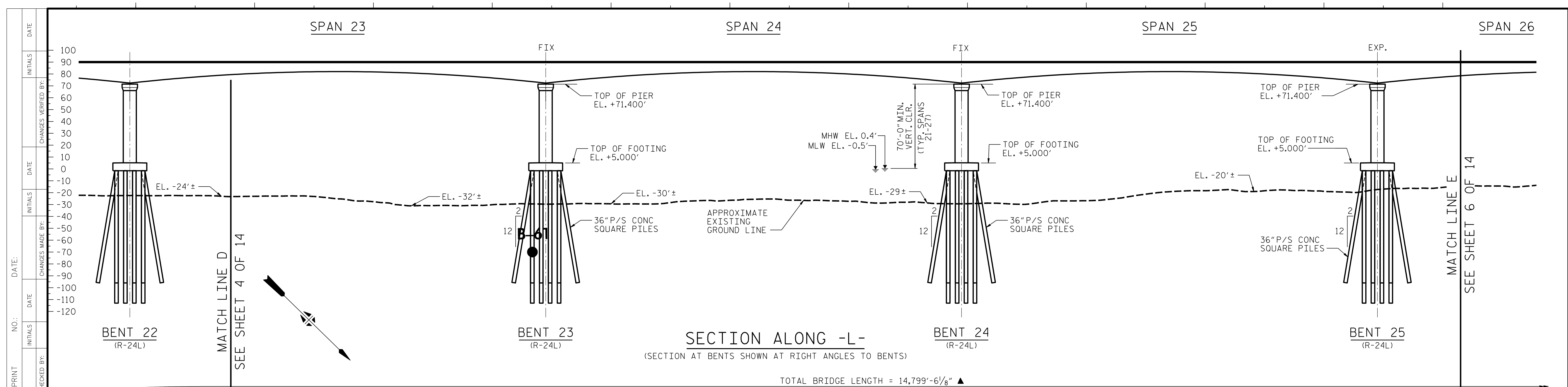
<b>F. Supplementary Information</b>	
<b>1. Environmental Documentation (DWQ Requirement)</b>	
1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.)  Comments: NEPA FEIS/EA/ROD for TIP B-2500	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>2. Violations (DWQ Requirement)</b>	
2a. Is the site in violation of DWQ Wetland Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), DWQ Surface Water or Wetland Standards, or Riparian Buffer Rules (15A NCAC 2B .0200)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2b. Is this an after-the-fact permit application?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2c. If you answered "yes" to one or both of the above questions, provide an explanation of the violation(s):	
<b>3. Cumulative Impacts (DWQ Requirement)</b>	
3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3b. If you answered "yes" to the above, submit a qualitative or quantitative cumulative impact analysis in accordance with the most recent DWQ policy. If you answered "no," provide a short narrative description.  This is a temporary subsurface geotechnical and design investigation. Cumulative effects of the overall project (B-2500) were thoroughly addressed in the EIS/EA/ROD.	
<b>4. Sewage Disposal (DWQ Requirement)</b>	
4a. Clearly detail the ultimate treatment methods and disposition (non-discharge or discharge) of wastewater generated from the proposed project, or available capacity of the subject facility.  No sewage wastewater will be generated by this activity.	

<b>5. Endangered Species and Designated Critical Habitat (Corps Requirement)</b>		
5a. Will this project occur in or near an area with federally protected species or habitat?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5b. Have you checked with the USFWS concerning Endangered Species Act impacts?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5c. If yes, indicate the USFWS Field Office you have contacted.	<input checked="" type="checkbox"/> Raleigh <input type="checkbox"/> Asheville	
5d. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? USFWS website and agency consultation; FEIS/ROD		
<b>6. Essential Fish Habitat (Corps Requirement)</b>		
6a. Will this project occur in or near an area designated as essential fish habitat?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
6b. What data sources did you use to determine whether your site would impact Essential Fish Habitat? NMFS county index; FEIS/ROD		
<b>7. Historic or Prehistoric Cultural Resources (Corps Requirement)</b>		
7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
7b. What data sources did you use to determine whether your site would impact historic or archeological resources? NEPA documentation; FEIS/ROD		
<b>8. Flood Zone Designation (Corps Requirement)</b>		
8a. Will this project occur in a FEMA-designated 100-year floodplain?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
8b. If yes, explain how project meets FEMA requirements: This temporary activity will not result in changes in permanent flood elevations.		
8c. What source(s) did you use to make the floodplain determination? approved NEPA documents		
 GREGORY J. TORRE, Ph.D. Applicant/Agent's Printed Name	 Applicant/Agent's Signature (Agent's signature is valid only if an authorization letter from the applicant is provided.)	07/25/2012 Date









**PLAN**  
(PILES NOT SHOWN FOR CLARITY)

- NOTES**
- ▲ = ALONG -L-
  - ALL STATIONS ARE ALONG -L-
  - ALL ELEVATIONS ARE IN FEET, NAVD88
  - ALL BENTS ARE RADIAL
  - SEE SHEET 1 OF 14 FOR SUPERSTRUCTURE TABLE AND FOUNDATION TABLE

**PRELIMINARY PLANS**  
DO NOT USE FOR CONSTRUCTION

PROJECT NO. B-2500 (PHASE I)  
DARE COUNTY  
STATION: 102+67.76 -L-  
SHEET 2 OF 5

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**PILE LOAD TEST LOCATION PLAN**

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. LT-2  
TOTAL SHEETS 5

DRAWN BY: R. MCKENNA DATE: 10/11  
CHECKED BY: D. COLETTI DATE: 10/11

PLOT DRIVER: NCD07.pdf\_mono\_eng\_50.pht  
USER: ppeferiso DATE: 6/20/2012  
FILE: ...\\0359941\B2500-0-LOADTEST.dgn

NO.	DATE	INITIALS	DATE	INITIALS
HDR CHECK PRINT				
CORRECTIONS CHECKED BY:				
CHECKED BY:				
DRAWING MADE BY:				
CHANGES MADE BY:				
CHANGES VERIFIED BY:				