



PAT McCrory
Governor

NICHOLAS J. TENNYSON
Secretary

November 30, 2015

Mr. Tom Steffens
NCDOT Coordinator
Washington Regulatory Field Office
U. S. Army Corps of Engineers
2407 W 5th Street
Washington, NC 27889-1000

Dear Sir:

Subject: Application for Section 404 Nationwide Permit (NWP) 23 and Section 401 Water Quality Certification for the replacement of Bridge No. 29 over Little Fishing Creek on NC 561 in Halifax County; TIP Project B-4761; Federal Aid Project No. BRSTP-561(18); Debit \$240 from WBS 38533.1.1.

The North Carolina Department of Transportation (NCDOT) proposes to replace existing Bridge No. 29 over Fishing Creek on NC 561 in Halifax County. The project involves replacement of the existing 198-foot bridge and approaches with a new 210 foot bridge. The roadway approaches will be improved by widening the travel lanes and shoulders for approximately 356 feet from the western end of the new bridge and 334 feet from the eastern. This will provide for two 12-foot travel lanes and eight-foot shoulders (two-feet paved, six-foot turf).

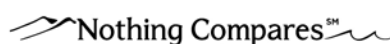
Please see enclosed copies of the Pre-Construction Notification (PCN), Preliminary Jurisdictional Determination Form, USFWS concurrence letter, DMS Acceptance Letter, permit drawings, buffer drawings, stormwater management plan, and roadway plans for the project. A Programmatic Categorical Exclusion (PCE) was completed for this project on September 30, 2014 and distributed shortly thereafter. This project calls for a letting date of June 21, 2016 and a review date of May 3, 2016; however, the let date may advance as additional funding becomes available.

Project construction will require 0.12 acre of fill and 0.05 acre of mechanized landclearing in wetlands. The project will have allowable riparian buffer impact to 3,608 sq. ft. in zone 1 and 1,750 sq. ft. in zone 2.

Regulatory Approvals

Section 404 Permit: All aspects of this project are being processed by the Federal Highway Administration as a "Categorical Exclusion" in accordance with 23 CFR 771.115(b). The NCDOT requests that the project be authorized by NW 23 for bridge construction.

Section 401 Permit: We anticipate 401 General Certification number 3891 will apply to this project. Tar-Pamlico Riparian Buffer authorization will also be needed for impacts to riparian buffers.



A copy of this permit application and its distribution list will be posted on the NCDOT Website at <https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx>, under Quick Links > Permit Applications. A copy of the PCE is also available at the above website address under Quick Links > Environmental Documents. Thank you for your assistance with this project. If you have any questions or need additional information, please contact Gordon Cashin at (919) 707-6107.

Sincerely,



for Richard W. Hancock, P.E., 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:	☒ Section 404 Permit	☐ Section 10 Permit
1b. Specify Nationwide Permit (NWP) number: 23 or General Permit (GP) number:		
1c. Has the NWP or GP number been verified by the Corps?	☐ Yes	☒ No
1d. Type(s) of approval sought from the DWQ (check all that apply): ☒ 401 Water Quality Certification – Regular ☐ Non-404 Jurisdictional General Permit ☐ 401 Water Quality Certification – Express ☒ Riparian Buffer Authorization		
1e. Is this notification solely for the record because written approval is not required?	For the record only for DWQ 401 Certification: ☐ Yes ☒ No	For the record only for Corps Permit: ☐ Yes ☒ 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.	☒ Yes	☐ No
1g. Is the project located in any of NC's twenty coastal counties. If yes, answer 1h below.	☐ Yes	☒ No
1h. Is the project located within a NC DCM Area of Environmental Concern (AEC)?	☐ Yes	☒ No

2. Project Information

2a. Name of project:	Replacement of Bridge 29 over Little Fishing Creek on NC 561
2b. County:	Halifax
2c. Nearest municipality / town:	Hollister
2d. Subdivision name:	<i>not applicable</i>
2e. NCDOT only, T.I.P. or state project no:	B-4761

3. Owner Information

3a. Name(s) on Recorded Deed:	North Carolina Department of Transportation
3b. Deed Book and Page No.	<i>not applicable</i>
3c. Responsible Party (for LLC if applicable):	<i>not applicable</i>
3d. Street address:	1598 Mail Service Center
3e. City, state, zip:	Raleigh, NC 27699-1598
3f. Telephone no.:	(919) 707-6107
3g. Fax no.:	(919) 431-2002
3h. Email address:	gcashin@ncdot.gov

4. Applicant Information (if different from owner)	
4a. Applicant is:	☐ Agent ☐ Other, specify:
4b. Name:	<i>not applicable</i>
4c. Business name (if applicable):	
4d. Street address:	
4e. City, state, zip:	
4f. Telephone no.:	
4g. Fax no.:	
4h. Email address:	
5. Agent/Consultant Information (if applicable)	
5a. Name:	<i>not applicable</i>
5b. Business name (if applicable):	
5c. Street address:	
5d. City, state, zip:	
5e. Telephone no.:	
5f. Fax no.:	
5g. Email address:	

B. Project Information and Prior Project History	
1. Property Identification	
1a. Property identification no. (tax PIN or parcel ID):	<i>not applicable</i>
1b. Site coordinates (in decimal degrees):	Latitude: 36.278938 (DD.DDDDDD) Longitude: -77.908653 (-DD.DDDDDD)
1c. Property size:	5.3 acres
2. Surface Waters	
2a. Name of nearest body of water (stream, river, etc.) to proposed project:	Little Fishing Creek
2b. Water Quality Classification of nearest receiving water:	C, NSW
2c. River basin:	Tar Pamlico River Basin
3. Project Description	
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: Forested with some agricultural and residential	
3b. List the total estimated acreage of all existing wetlands on the property: 0.44 acre.8	
3c. List the total estimated linear feet of all existing streams (intermittent and perennial) on the property: 200	
3d. Explain the purpose of the proposed project: To replace a structurally deficient bridge.	
3e. Describe the overall project in detail, including the type of equipment to be used: The project involves replacing a 198-foot bridge with a 210-foot bridge on the existing alignment with an off-site detour. Standard road building equipment, such as trucks, dozers, and cranes will be used.	
4. Jurisdictional Determinations	
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: Requesting a preliminary JD at permitting	☐ Yes ☒ No ☐ Unknown
4b. If the Corps made the jurisdictional determination, what type of determination was made?	☐ Preliminary ☐ Final
4c. If yes, who delineated the jurisdictional areas? Name (if known): Chris Underwood	Agency/Consultant Company: NCDOT Other:
4d. If yes, list the dates of the Corps jurisdictional determinations or State determinations and attach documentation.	
5. Project History	
5a. Have permits or certifications been requested or obtained for this project (including all prior phases) in the past?	☐ Yes ☒ No ☐ Unknown
5b. If yes, explain in detail according to "help file" instructions.	
6. Future Project Plans	
6a. Is this a phased project?	☐ Yes ☒ No
6b. If yes, explain.	

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)	
Site 1 ☒ P ☐ T	Bridge & fill	riparian	☒ Yes ☐ No	☒ Corps ☒ DWQ	0.12	
Site 1 ☒ P ☐ T	Mechanized clearing	riparian	☒ Yes ☐ No	☒ Corps ☒ DWQ	0.05	
Site 3 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ		
Site 4 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ		
Site 5 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ		
Site 6 ☐ P ☐ T			☐ Yes ☐ No	☐ Corps ☐ DWQ		
2g. Total wetland impacts					0.17 Perm. 0.0 Temporary	
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)
Site 1 ☐ P ☒ T	Bridge & fill	Little Fishing Creek	☒ PER ☐ INT	☒ Corps ☒ DWQ	30	0.03 ac
Site 1 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 3 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 4 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 5 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
Site 6 ☐ P ☐ T			☐ PER ☐ INT	☐ Corps ☐ DWQ		
3h. Total stream and tributary impacts					0.0 Perm 0.03 Temp	
3i. Comments:						

4. Open Water Impacts

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 ☐ P ☐ T				
O2 ☐ P ☐ T				
O3 ☐ P ☐ T				
O4 ☐ P ☐ T				
4f. Total open water impacts				0.0 Permanent 0.0 Temporary

4g. Comments:

5. Pond or Lake Construction

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								
5f. Total								

5g. Comments:

5h. Is a dam high hazard permit required?	☐ Yes ☐ 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 **MUST** fill out Section D of this form.

6a. Project is in which protected basin?			☐ Neuse ☒ Tar-Pamlico ☐ Other: ☐ Catawba ☐ 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 ☒ P ☐ T	Bridge	Little Fishing Creek	☐ Yes ☒ No	3,608	1,750
B2 ☐ P ☐ T			☐ Yes ☐ No		
B3 ☐ P ☐ T			☐ Yes ☐ No		
6h. Total buffer impacts				3,608	1,750
6i. Comments:					

D. Impact Justification and Mitigation		
1. Avoidance and Minimization		
1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing project. The proposed bridge is longer than the existing bridge with fewer spans; the proposed bridge will be at approximately the same grade as the existing structure; an off site detour will be used.		
1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques. Design Standards for Sensitive Watershed will be implemented.		
2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State		
2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?	☒ Yes ☐ No If no, explain:	
2b. If yes, mitigation is required by (check all that apply):	☐ DWQ ☒ Corps	
2c. If yes, which mitigation option will be used for this project?	☐ Mitigation bank ☒ Payment to in-lieu fee program ☐ Permittee Responsible Mitigation	
3. Complete if Using a Mitigation Bank		
3a. Name of Mitigation Bank: not applicable		
3b. Credits Purchased (attach receipt and letter)	Type	Quantity
3c. Comments:		
4. Complete if Making a Payment to In-lieu Fee Program		
4a. Approval letter from in-lieu fee program is attached.	☒ Yes	
4b. Stream mitigation requested:	linear feet	
4c. If using stream mitigation, stream temperature:	☐ warm ☐ cool ☐ cold	
4d. Buffer mitigation requested (DWQ only):	square feet	
4e. Riparian wetland mitigation requested:	0.34 acres	
4f. Non-riparian wetland mitigation requested:	acres	
4g. Coastal (tidal) wetland mitigation requested:	acres	
4h. Comments:		
5. Complete if Using a Permittee Responsible Mitigation Plan		
5a. If using a permittee responsible mitigation plan, provide a description of the proposed mitigation plan.		

6. Buffer Mitigation (State Regulated Riparian Buffer Rules) – required by DWQ				
6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation?				☐ Yes ☒ 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:				

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

F. Supplementary Information	
1. Environmental Documentation (DWQ Requirement)	
1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land?	☒ Yes ☐ 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)?	☒ Yes ☐ 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:	☒ Yes ☐ No
2. Violations (DWQ Requirement)	
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)?	☐ Yes ☒ No
2b. Is this an after-the-fact permit application?	☐ Yes ☒ No
2c. If you answered "yes" to one or both of the above questions, provide an explanation of the violation(s):	
3. Cumulative Impacts (DWQ Requirement)	
3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?	☐ Yes ☒ 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. Due to the minimal transportation impact resulting from this bridge replacement, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects study will not be necessary.	
4. Sewage Disposal (DWQ Requirement)	
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. not applicable	

5. Endangered Species and Designated Critical Habitat (Corps Requirement)		
5a. Will this project occur in or near an area with federally protected species or habitat?	☒ Yes	☐ No
5b. Have you checked with the USFWS concerning Endangered Species Act impacts?	☒ Yes	☐ No
5c. If yes, indicate the USFWS Field Office you have contacted.	☒ Raleigh ☐ Asheville	
5d. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? USFWS County Site, NC Natural Heritage site		
6. Essential Fish Habitat (Corps Requirement)		
6a. Will this project occur in or near an area designated as essential fish habitat?	☐ Yes	☒ No
6b. What data sources did you use to determine whether your site would impact Essential Fish Habitat? NMFS County Index		
7. Historic or Prehistoric Cultural Resources (Corps Requirement)		
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)?	☐ Yes	☒ No
7b. What data sources did you use to determine whether your site would impact historic or archeological resources? NEPA Documentation		
8. Flood Zone Designation (Corps Requirement)		
8a. Will this project occur in a FEMA-designated 100-year floodplain?	☒ Yes	☐ No
8b. If yes, explain how project meets FEMA requirements: NCDOT Hydraulics Unit coordination with FEMA		
8c. What source(s) did you use to make the floodplain determination? FEMA Maps		
for <u>Richard Hancock</u> Applicant/Agent's Printed Name	 Applicant/Agent's Signature (Agent's signature is valid only if an authorization letter from the applicant is provided.)	11-30-2015 Date



PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

October 21, 2015

Mr. Richard W. Hancock, P.E.
Project Development and Environmental Analysis Unit
North Carolina Department of Transportation
1548 Mail Service Center
Raleigh, North Carolina 27699-1548

Dear Mr. Hancock:

Subject: Mitigation Acceptance Letter:

B-4761, Replace Bridge 29 on NC 561 over Little Fishing Creek, Halifax County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory wetland mitigation for the subject project. Based on the information supplied by you on October 21, 2015, the impacts are located in CU 03020102 of the Tar-Pamlico River basin in the Northern Inner Coastal Plain (CP) Eco-Region, and are as follows:

Tar-Pamlico 03020102 NICP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.17	0	0	0	0

*Some of the stream impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

DMS commits to implementing sufficient compensatory riparian wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies in accordance with the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Beth Harmon at 919-707-8420.

Sincerely,

James B. Stanfill
Asset Management Supervisor

cc: Mr. Tom Steffens, USACE – Washington Regulatory Field Office
Ms. Amy Chapman, NCDWR
File: B-4761



State of North Carolina | Environmental Quality
1601 Mail Service Center | Raleigh, North Carolina 27699-1601
919-707-8600



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726

July 22, 2014

Richard W. Hancock, P.E.
North Carolina Department of Transportation
Project Development and Environmental Analysis
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Dear Mr. Hancock:

This letter is in response to your letter of July 14, 2014 which provided the U.S. Fish and Wildlife Service (Service) with the biological conclusion of the North Carolina Department of Transportation that the replacement of Bridge No. 29 on NC-561 over Little Fishing Creek in Halifax County (TIP No. B-4761) may affect, but is not likely to adversely affect the federally endangered dwarf wedgemussel (*Alasmodonta heterodon*) and Tar River spiny mussel (*Elliptio steinstansana*). These comments are provided in accordance with Section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531-1543).

According to information provided, a mussel survey was conducted at the project site on April 24, 2014. The survey extended 100 meters upstream and 400 meters downstream of NC-561. Although five species of mussels were observed, neither of the federally listed species was found. While suitable habitat was present in the survey reach, the habitat in the immediate vicinity of the bridge was poor. However, the Tar River spiny mussel has recently been observed in Little Fishing Creek approximately 10.5 miles downstream. While not known to occur in Little Fishing Creek, the dwarf wedgemussel has been recently observed in a tributary to Little Fishing Creek approximately 5.0 miles upstream of NC-561.

Based on the mussel survey results and other available information, the Service concurs with your conclusion that the proposed bridge replacement may affect, but is not likely to adversely affect the dwarf wedgemussel and Tar River spiny mussel. We believe that the requirements of Section 7(a)(2) of the ESA have been satisfied. We remind you that obligations under Section 7 consultation must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously considered in this review; (2) this action is subsequently modified in a manner that was not considered in this review; or (3) a new species is listed or critical habitat determined that may be affected by this identified action.

The Service appreciates the opportunity to review this project. If you have any questions regarding our response, please contact Mr. Gary Jordan at (919) 856-4520 (Ext. 32).

Sincerely,


for Pete Benjamin
Field Supervisor

Electronic copy:

Tom Steffens, USACE, Washington, NC
Travis Wilson, NCWRC, Creedmoor, NC
Ron Lucas, FHWA, Raleigh, NC

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

- A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD):**
- B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:**
Gordon Cashin, NCDOT, 1598 Mail Service Center, Raleigh, NC 27699-1598
- C. DISTRICT OFFICE, FILE NAME, AND NUMBER: CESAW-RG-L**

- D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:**
TIP: B-4761 Description: Replace Bridge No. 29 over Little Fishing Creek on NC 561

(USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)

State: NC County/parish/borough: Halifax City:
Center coordinates of site (lat/long in degree decimal format):
Lat. 36.278959, °N, Long. : -77.908626 ° W
Universal Transverse Mercator: NA
Name of nearest waterbody: Little Fishing Creek
Identify (estimate) amount of waters in the review area:
Non-wetland waters: See table, linear feet: 44
Cowardin Class: Riverine
Stream Flow: Perennial
Wetlands: 0.44 acres.
Cowardin Class: Forested

Name of any water bodies on the site that have been identified as Section 10 waters:

Tidal: N/A
Non-Tidal: N/A

- E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):**

- ☐ Office (Desk) Determination Date:
☐ Field Determination Date(s):

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this

preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring “pre-construction notification” (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant’s acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable. This preliminary JD finds that there “*may be*” waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA: Data reviewed for preliminary JD (check all that apply

- checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- ☐ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant
- ☐ Data sheets prepared/submitted by or on behalf of the applicant/consultant
 - ☐ Office concurs with data sheets/delineation report.
 - ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps:
- ☐ Corps navigable waters' study:
- ☐ U.S. Geological Survey Hydrologic Atlas:
 - ☐ USGS NHD data.
 - ☐ USGS 8 and 12 digit HUC maps
- ☐ U.S. Geological Survey map(s). Cite scale & quad name: 1:24000;
- ☐ USDA Natural Resources Conservation Service Soil Survey
Citation:
- ☐ National wetlands inventory map(s). Cite name:
- ☐ State/Local wetland inventory map(s):
- ☐ FEMA/FIRM maps:
- ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- ☐ Photographs: ☐ Aerial (Name & Date): or ☐ Other (Name & Date):
- ☐ Previous determination(s). File no. and date of response letter:
- ☒ Other information (please specify): Figure 3 and Tables 5 & 6 from the Natural Resources Technical Report showing jurisdictional areas.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of
Regulatory Project Manager
(REQUIRED)

Mark C. R. [Signature] 11/30/15

Signature and date of
person requesting preliminary JD
(REQUIRED, unless obtaining
the signature is impracticable)



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS

(Version 2.02; Released April 2015)

WBS Element: 38533.1.1 TIP No.: B-4761 County(ies): Halifax Page 1 of 1

General Project Information

WBS Element:	38533.1.1	TIP Number:	B-4761	Project Type:	Bridge Replacement	Date:	7/13/2015
NCDOT Contact:	Jonathan L. Moore, PE			Contractor / Designer:			
Address:	1020 Birch Ridge Dr. Raleigh, NC 27610			Address:			
	Phone: 919-707-6700				Phone:		
	Email: jlmoore6@ncdot.gov				Email:		
City/Town:	Hollister			County(ies):	Halifax		
River Basin(s):	Tar-Pamlico			CAMA County?	No		
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	0.269 miles	Surrounding Land Use:	Wooded/Agricultural
	Proposed Project		Existing Site
Project Built-Up Area (ac.)	1.3 ac.	1.0 ac.	
Typical Cross Section Description:	Two 12' lanes with 2' paved shoulders. The proposed bridge will have two 12' lanes with 6' shoulders.		Two 11.5' lanes with 1.5' paved shoulders.
Annual Avg Daily Traffic (veh/hr/day):	Design/Future: 3100	Year: 2035	Existing: 2590 Year: 2016
General Project Narrative: (Description of Minimization of Water Quality Impacts)	The existing roadway consists of 2-11.5' lanes and 1.5' paved shoulders. Existing bridge #29 is 198' long with a clear roadway of 25'. The existing bridge has deck drains on 6' centers on both sides along the entire length of the structure. The proposed roadway typical consists of 2-12' lanes, 2' paved shoulder shoulders, and 6' grass shoulders. Proposed structure #29 is a 210' long bridge with 12' lanes and 6' shoulders. There will be no direct discharge into the stream. Runoff along the roadway is to be treated by grass shoulders. 0.22 acres of runoff that is to be collected from the bridge will be discharged onto a rip rapped pad 25' outside of Buffer Zone 2 in the southwest quadrant.		

Waterbody Information

Surface Water Body (1):	Little Fishing Creek		NCDWR Stream Index No.:	28-79-25	
NCDWR Surface Water Classification for Water Body	Primary Classification:	Class C			
	Supplemental Classification:	Nutrient Sensitive Waters (NSW)			
Other Stream Classification:					
Impairments:	None				
Aquatic T&E Species?	Yes	Comments: Tar River Spiny mussel and Dwarf Wedgemussel (may affect-not likely to affect)			
NRTR Stream ID:			Buffer Rules in Effect:	Tar-Pamlico	
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?	No
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

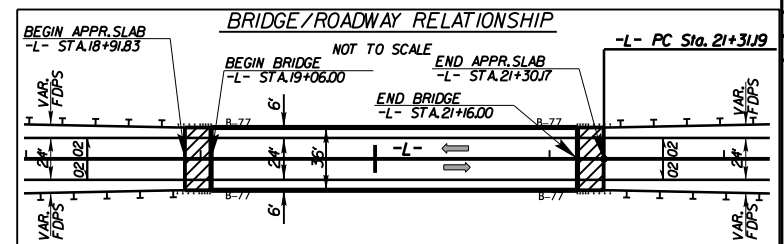
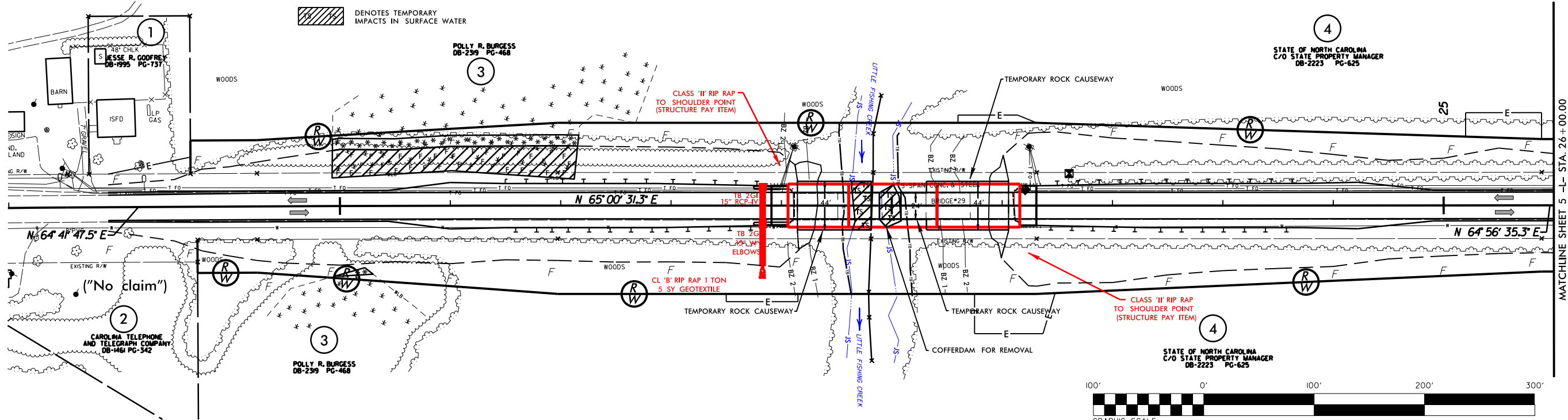
PERMIT DRAWING
SHEET 2 OF 6

15
SITE 1

POLLY R. BURGESS
DB-239 PG-468

- 1 DENOTES FILL IN WETLAND
- 2 DENOTES MECHANIZED CLEARING
- 3 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

SHOULDER BERM GUTTER FROM STA. 18+75
TO BEGIN BRIDGE LT. & RT. -L-



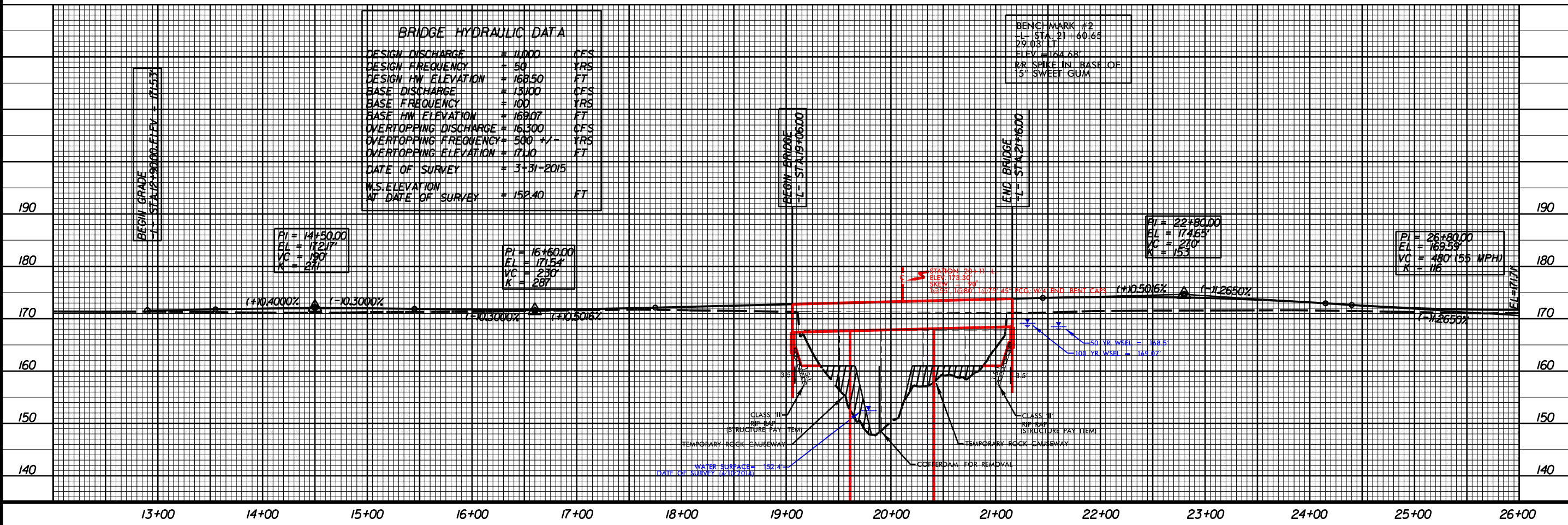
PROJECT REFERENCE NO.	SHEET NO.
B-4761	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

BRIDGE HYDRAULIC DATA		
DESIGN DISCHARGE	= 11,000	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 168.50	FT
BASE DISCHARGE	= 13,100	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 169.07	FT
OVERTOPPING DISCHARGE	= 16,300	CFS
OVERTOPPING FREQUENCY	= 500 +/-	YRS
OVERTOPPING ELEVATION	= 171.00	FT
DATE OF SURVEY	= 3-31-2015	
M.S. ELEVATION AT DATE OF SURVEY	= 152.40	FT

BENCHMARK #2
L- STA. 21+60.68
29.03 FT
ELEV = 164.68
RR SPIKE IN BASE OF
15\"/>

PI = 22+80.00
EL = 174.63
VC = 210'
K = 155

PI = 26+80.00
EL = 169.59
VC = 480' (55 MPH)
K = 116

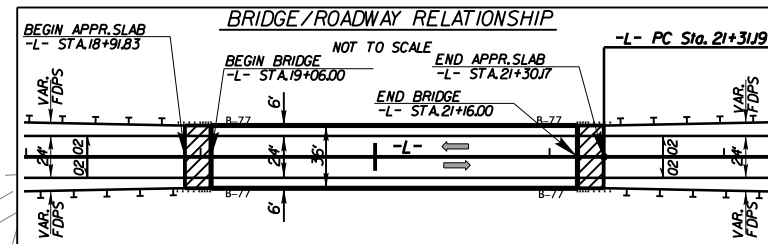


REVISIONS
R/W REV. 18/04/15 I J PARCEL NO.2 UPDATED TO SHOW 50 FEET OF EXISTING R/W. 2 J REMOVED TCE ON PARCEL NO.2, THUS ELIMINATING THE CLAIM.

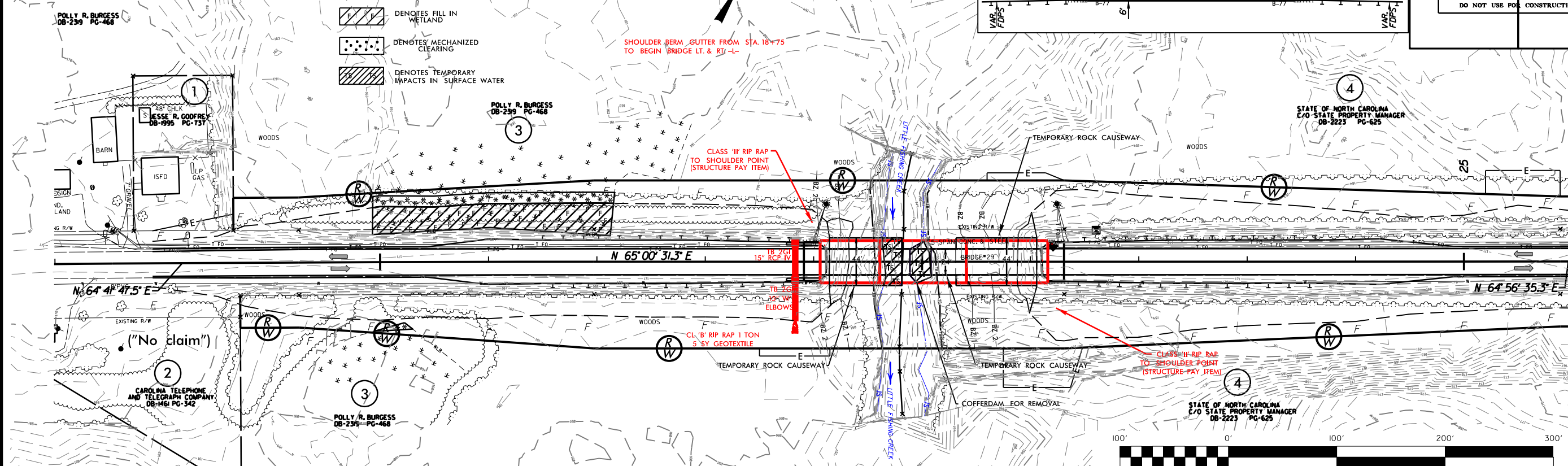
8/12/2015
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\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$UNGN\$\$\$\$\$
\$\$\$\$\$\$\$\$\$\$

PERMIT DRAWING
SHEET 3 OF 6

SITE 1



PROJECT REFERENCE NO.	SHEET NO.
B-4761	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

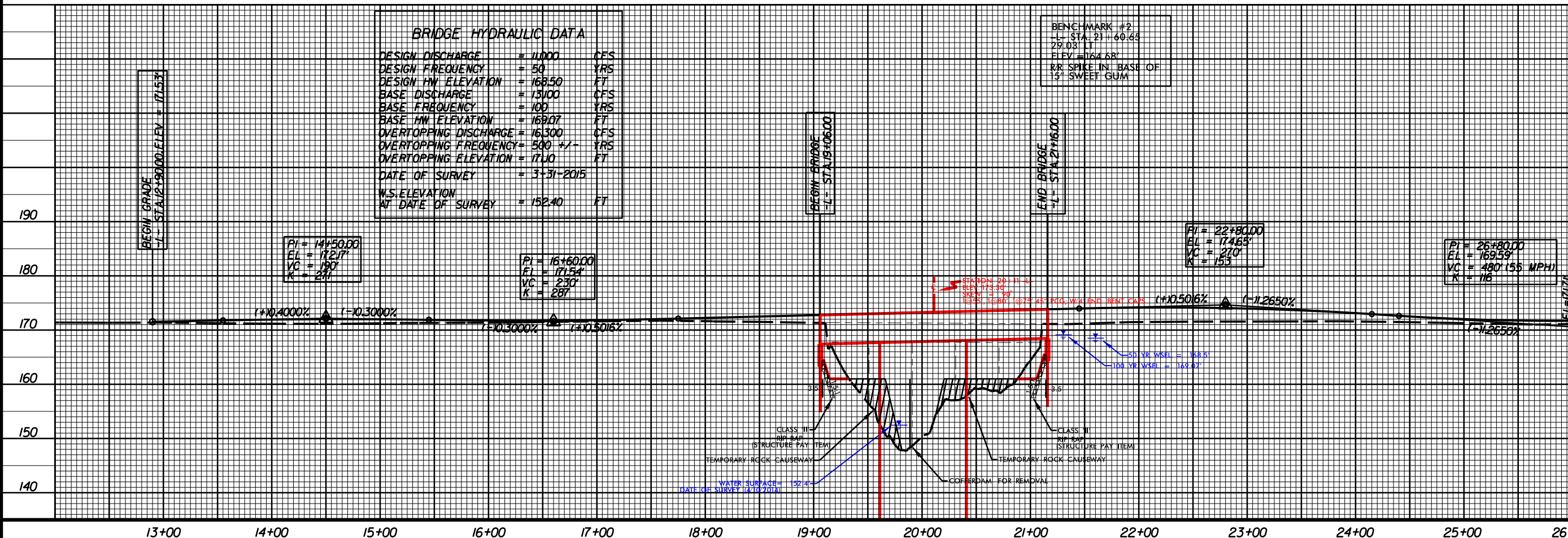


BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 11,000	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 168.50	FT
BASE DISCHARGE	= 13,100	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 169.07	FT
OVERTOPPING DISCHARGE	= 16,300	CFS
OVERTOPPING FREQUENCY	= 500 +/-	YRS
OVERTOPPING ELEVATION	= 171.00	FT
DATE OF SURVEY	= 3-31-2015	
N.S. ELEVATION AT DATE OF SURVEY	= 152.40	FT

BENCHMARK #2

-L- STA. 21+60.68
29.03 FT
ELV = 164.68
RR SPIKE IN BASE OF 15' SWEET GUM



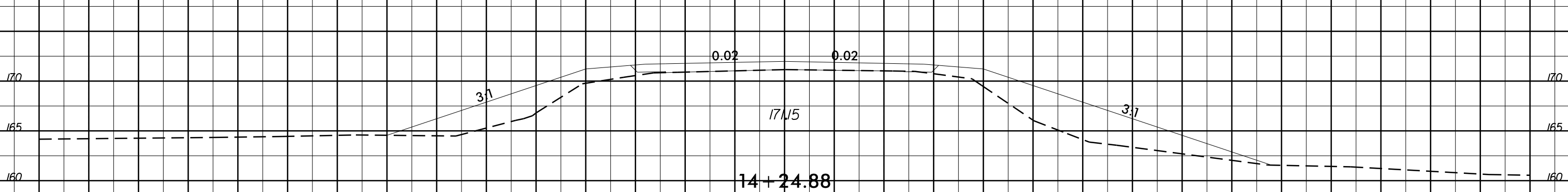
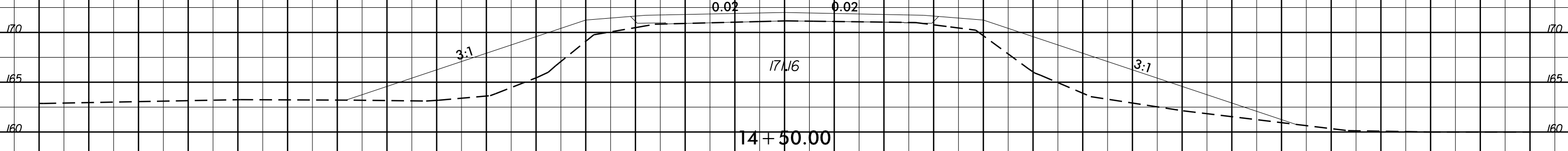
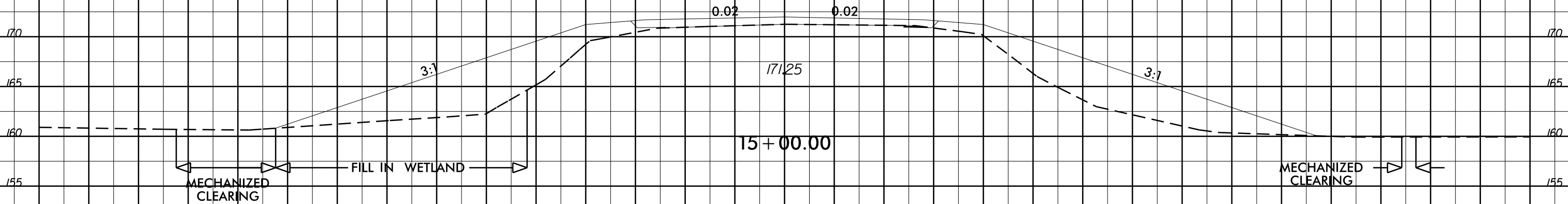
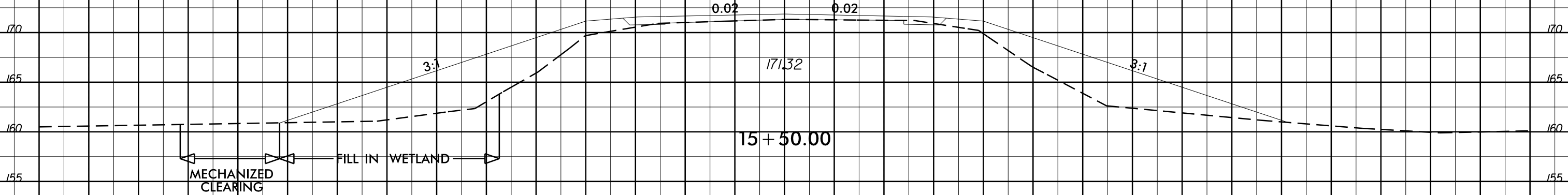
REVISED
R/W REV. 18/04/15 IJ PARCEL NO.2 UPDATED TO SHOW 50 FEET OF EXISTING R/W. 2J REMOVED TCE ON PARCEL NO.2, THUS ELIMINATING THE CLAIM.

8/12/2015
R: Hydraulic PERMITS Environmental Drawings [B4761_HYD_perm_wet_psk4 - Con.dgn
\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$UNGN\$\$\$\$\$
\$\$\$\$\$\$\$\$\$\$

8/23/99

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

PERMIT DRAWING
SHEET 4 OF 6



— 4 —

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

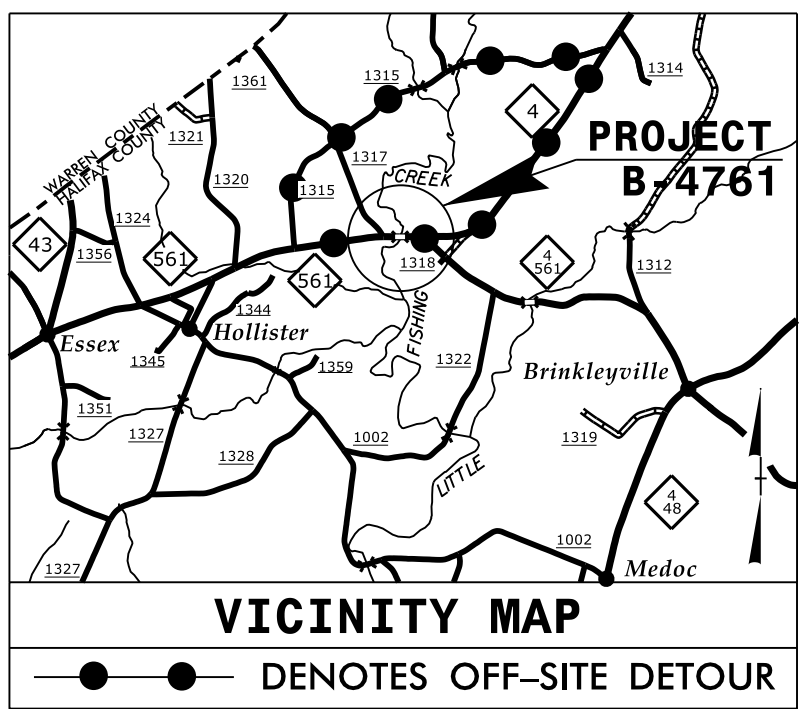
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\$\$\$\$\$DRAWN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

09/08/99

19-MAY-2015 15:21
R:\Roadway\Projects\B-4761_Rdy.-tsh.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

CONTRACT: TIP PROJECT: B-4761

See Sheet 1A For Index of Sheets

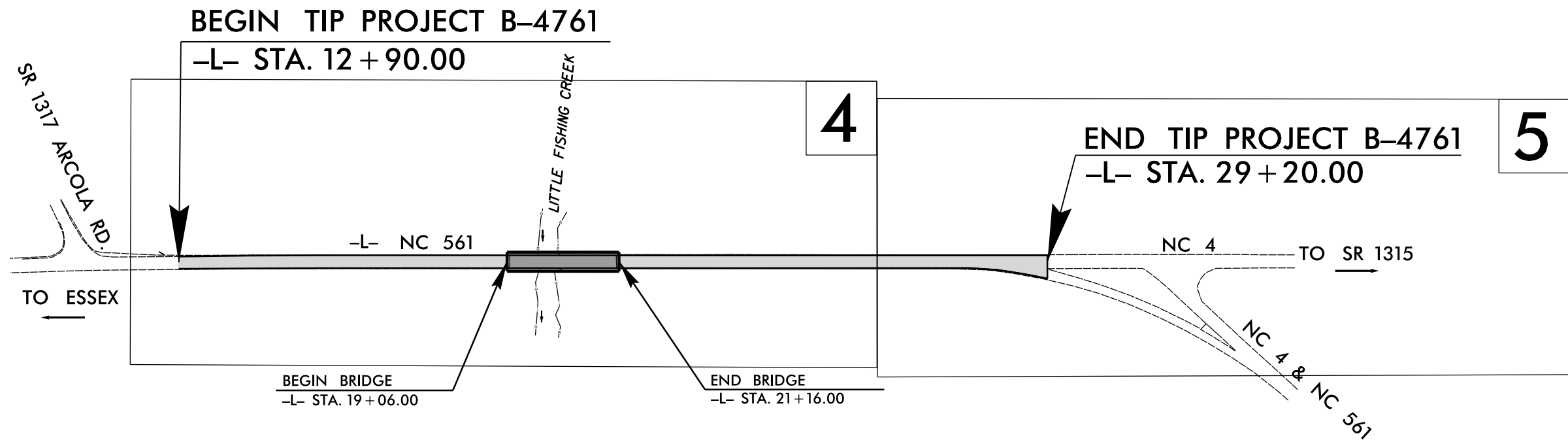
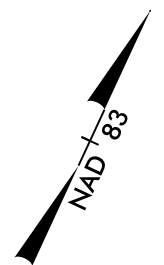


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
HALIFAX COUNTY

LOCATION: BRIDGE NO. 29 OVER LITTLE FISHING CREEK
ON NC 561

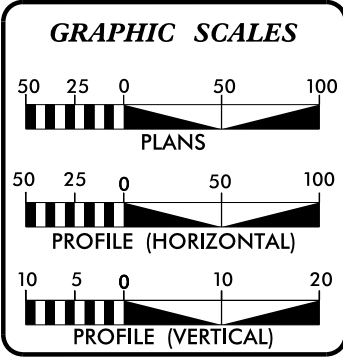
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4761	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
38533.1.1	BRSTP-561(18)	PE	
38533.2.1		RW & UTIL	



- CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
- THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDRIES.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

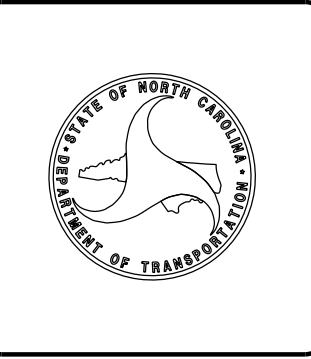


DESIGN DATA	
ADT 2016	= 2,590
ADT 2035	= 3,100
K	= 10 %
D	= 55 %
T	= 18 % *
V	= 60 MPH
* TTST	= 10% DUAL = 8%
FUNC CLASS	= MINOR ARTERIAL
REGIONAL TIER	

PROJECT LENGTH	
LENGTH ROADWAY TIP PROJECT B-4761	= 0.269 MILES
LENGTH STRUCTURE TIP PROJECT B-4761	= 0.040 MILES
TOTAL LENGTH TIP PROJECT B-4761	= 0.309 MILES

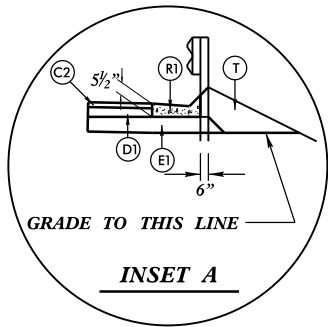
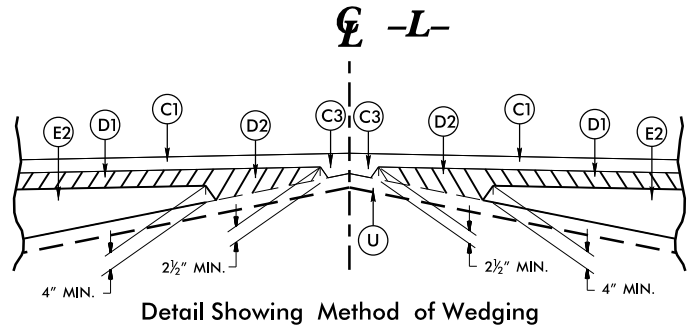
Prepared In the Office of: DIVISION OF HIGHWAYS 1000 Birch Ridge Dr., Raleigh NC, 27610	
2012 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: MAY 19, 2015	REKHA PATEL, PE PROJECT ENGINEER
LETTING DATE: JUNE 21, 2016	SAMUEL L. ST. CLAIR PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER	
SIGNATURE: _____	P.E.
ROADWAY DESIGN ENGINEER	
SIGNATURE: _____	P.E.

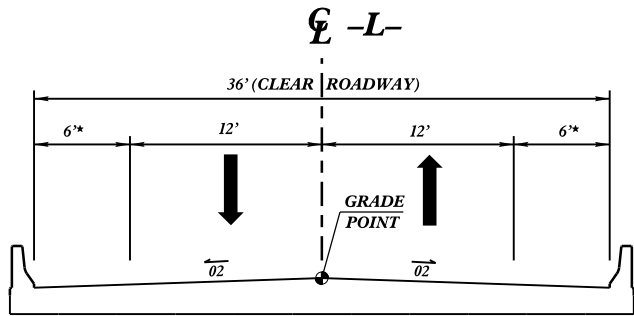


PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1½" IN DEPTH OR GREATER THAN 3" IN DEPTH.
D1	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 4" IN DEPTH OR GREATER THAN 5½" IN DEPTH.
R1	SPECIAL SHOULDER BERM GUTTER, SEE DETAIL 2C-7
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



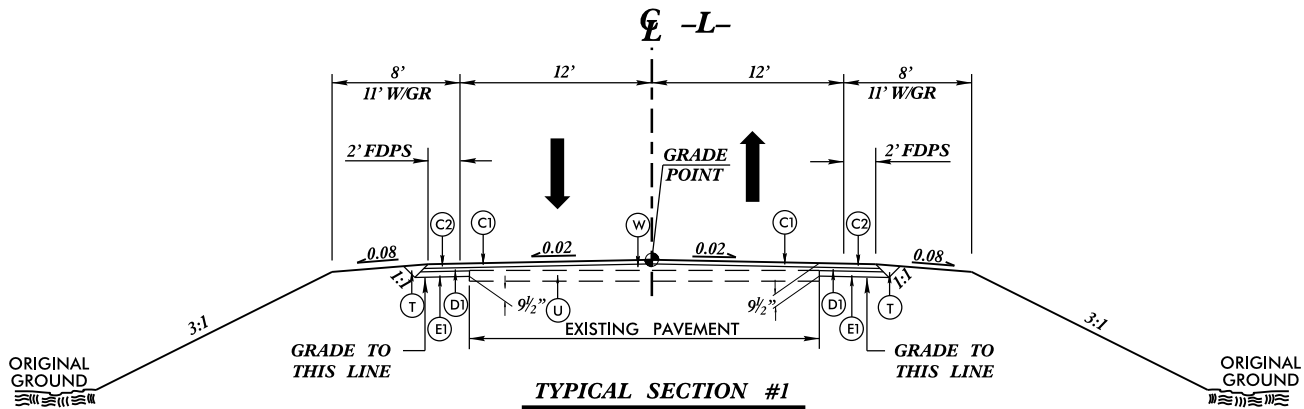
-L- STA. 18 + 75.00 TO -L- STA. 19 + 06.00 (LT AND RT)



BRIDGE TYPICAL SECTION

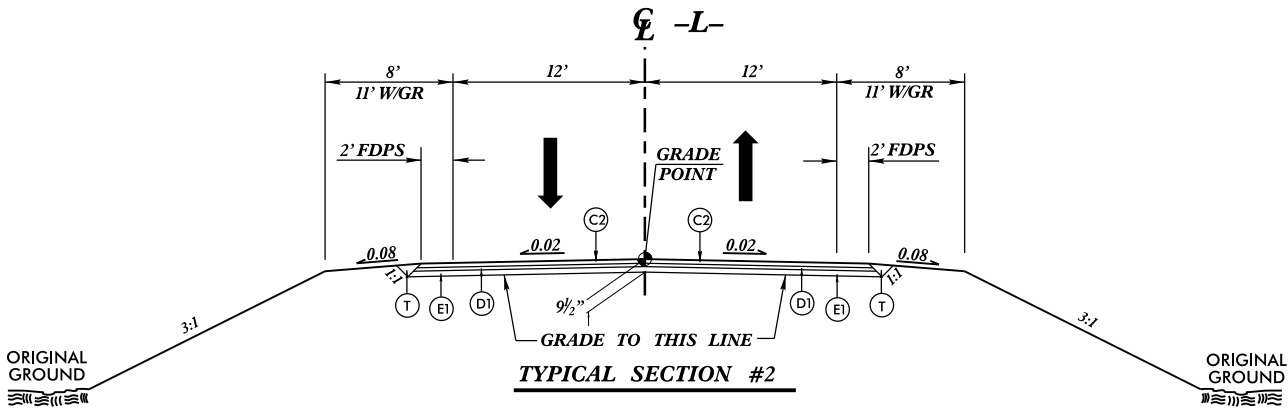
-L- STA. 19 + 06.00 TO -L- STA. 21 + 16.00

* ADDITIONAL WIDTH NEEDED FOR
HYDRAULIC SPREAD



-L- STA. 13 + 75.00 TO -L- STA. 18 + 00.00
-L- STA. 25 + 00.00 TO -L- STA. 28 + 70.00

TRANSITION FROM TYP. SECT. NO. 1 TO EXISTING
-L- STA. 12 + 90.00 TO STA. 13 + 75.00
-L- STA. 28 + 70.00 TO STA. 29 + 20.00 (LT)
-L- STA. 27 + 40.00 TO STA. 29 + 20.00 (RT)



-L- STA. 18 + 00.00 TO -L- STA. 19 + 06.00 (BEGIN BRIDGE)
-L- STA. 21 + 16.00 (END BRIDGE) TO -L- STA. 25 + 00.00

PROJECT REFERENCE NO.		SHEET NO.	
B-4761		2A-1	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION			

REVISIONS
R/W REV.18/04/15) 1) PARCEL NO.2 UPDATED TO SHOW 50 FEET OF EXISTING R/W.2) REMOVED TCE ON PARCEL NO.2,THUS ELIMINATING THE CLAIM.

8/17/99
04-AUG-2015 J120
R:\Roadway\proj\B4761\Redy_psh_p1_04.dgn
\$\$\$\$\$ STRIPME \$\$\$

