



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

January 17, 2023

U. S. Army Corps of Engineers  
Regulatory Field Office  
151 Patton Avenue, Room 208  
Asheville, NC 28801-5006

NC Division of Water Resources  
Transportation Permitting Branch  
1617 Mail Service Center  
Raleigh NC 27699-1617

ATTN: Ms. Lori Beckwith  
NCDOT Coordinator

Ms. Amy Chapman  
NCDOT Coordinator

Subject: **Request for Modification and Renewal for Section 404 Nationwide Permit 14 and Section 401 Water Quality Certification** for the Proposed Replacement of Bridge 103 on NC 268 over Mitchell River in Surry County. Division 11, TIP BR-0048. Debit \$570.00 from WBS 49079.1.1.

Reference: 1) Section 404 Nationwide Permit 14, Action ID No. SAW-2020-01910, January 29, 2021  
2) Section 401 General Water Quality Certification No. 4135, NCDWR Project No. 20201518, November 23, 2020

Dear Mesdames:

The purpose of this letter is to request modification and renewal [reverification] of the United States Army Corps of Engineers (USACE) Section 404 Nationwide Permit 14 and associated North Carolina Division of Water Resources (NCDWR) Section 401 Water Quality Certification under a Regional General Permit 50 for the above referenced project.

Revisions resulting in changes to permitted impacts proposed include an additional 30 linear feet of stream bank stabilization (Permit Site 1A) under the old and new bridge location to protect the waters edge and immediate bank areas.

Previously permitted stream impacts included 12 linear feet of stream bank stabilization at the outlet of a new ditch, and 0.12 acre of temporary stream impacts from causeways needed for removal of the existing bridge and construction of the new one. There are no wetland impacts.

The revised stream impacts for the project total 42 linear feet of stream bank stabilization 0.12 acre of temporary stream impacts.

*Mailing Address:*  
NC DEPARTMENT OF TRANSPORTATION  
ENVIRONMENTAL ANALYSIS UNIT  
1598 MAIL SERVICE CENTER  
RALEIGH NC 27699-1598

*Telephone:* (919) 707-6000  
*Fax:* (919) 250-4224  
*Customer Service:* 1-877-368-4968  
*Website:* [www.ncdot.gov](http://www.ncdot.gov)

*Location:*  
1000 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

Please see the enclosed revised permit sheet and impact summary sheet. Total impacts are shown in Table 1 below, with modifications in red. A narrative describing the revision is presented below.

**Table 1: BR-0048 Total Stream Impacts (modifications shown in red)**

Permit Site	Stream Name/ NRTR ID	Permanent		Temporary Channel Impacts ac (lf)	USACE Required Mitigation lf	NCDWR Required Mitigation lf
		Channel Impacts lf (ac)	Bank Stabilization lf (ac)			
1	Mitchell River*	--	--	0.02 (62)	--	--
1A	Mitchell River	--	30 ( <b>&lt;0.01</b> )	--	--	--
2	Mitchell River	--	--	0.10 (130)	--	--
3	Mitchell River	--	12 ( <b>&lt;0.01</b> )	--	--	--
Total Stream Impacts		0	42 ( <b>&lt;0.01</b> )	0.12 (192)	0	0
		42 ( <b>&lt;0.01</b> )				

\* Perennial, Class C

#### Site 1A

This is a new site resulting in an additional 30 linear feet of bank stabilization along the Mitchell River. Stabilizing the banks under the old and new bridge locations will protect the waters edge and immediate bank area. The river appears to have migrated closer to the west/end bent one side, so additional protection will be helpful, and given the sandy nature of the soils, it will be difficult to pull out the concrete slope protection on the east/end bent one side and regrade the banks with just coir fiber as the stabilization.

Rip rap will only be placed on the waters edge and up a few feet to the top of bank on the west/end bent one side, and up the slope along the east/end bent two side to or near the bench for the proposed greenway. Therefore, including the greenway bench, there will still be a wide, rock-free bench on both sides for wildlife usage.

A good portion of the banks in this location are already hardened with concrete, so the only new impacts to the stream would be 30 linear feet of bank stabilization. See the attached drawing showing the impact location. This would not be a loss of water and no mitigation for this impact will be required.

No changes have occurred to special commitments for this project. Tribal coordination was completed prior to issuance of the original permits.

Section 7 is up to date. As of January 13, 2023 IPaC lists four protected species within the project area: gray bat, northern long-eared bat (NLEB), bog turtle, and Schweinitz's sunflower. Tricolored bat is listed as a proposed species. Tree clearing has already occurred for this project. If any other tree needs to be removed in order to demolish the existing bridge, it will be done outside of active bat season. No habitat is present for the gray bat or bog turtle. While NLEB does show up in IPaC within the project area, this

project is outside the local range used by the USFWS Asheville Regulatory Field office (AFO), and therefore No Effect. Habitat does exist for Schweinitz's sunflower, but surveys performed on September 19, 2018, October 5, 2020, and September 23, 2022 did not identify any individuals of this species. The biological conclusion for this species remains No Effect.

NCDOT requests to modify and renew/reissue the permit for this project under RGP 50. Application is hereby made for modification and of the USACE 404 permit and the 401 WQC from NCDWR. We have provided a method of debiting \$570.00 to be submitted to the NCDWR for processing the WQC modification and renewal for BR-0048, as noted in the subject line of this application.

A copy of this permit application and its distribution list will be posted in the NCDOT website at <http://connect.ncdot.gov/resources/Environmental>. Thank you for your assistance with this project. If you have any questions or need additional information, please contact Erin Cheely at either [ekcheely@ncdot.gov](mailto:ekcheely@ncdot.gov) or (919) 323-5192.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Turchy", with a stylized flourish at the end.

Michael A. Turchy  
Environmental Coordination and Permitting Group Leader

cc:  
NCDOT Permit Application Standard Distribution List

# Project Submittal Interim Form



Updated September 4, 2020

*Please note: fields marked with a red asterisk \* below are required. You will not be able to submit the form until all mandatory questions are answered.*

**Project Type: \***

- ☐ For the Record Only (Courtesy Copy)
- ☐ New Project
- ☒ Modification/New Project with Existing ID
- ☐ More Information Response
- ☐ Other Agency Comments
- ☐ Pre-Application Submittal
- ☐ Re-Issuance/Renewal Request
- ☐ Stream or Buffer Appeal

**Pre-Filing Meeting Date Request was submitted on:**

2/9/2021

## Project Contact Information

**Name:**

Erin Cheely

*Who is submitting the information?*

**Email Address: \***

ekcheely@ncdot.gov

## Project Information

**Existing ID #: \***

20201518

*20170001 (no dashes)*

**Existing Version: \***

1

*1*

**Project Name: \***

BR-0048

**Is this a public transportation project? \***

- ☒ Yes
- ☐ No

**Is this a DOT project? \***

- ☒ Yes
- ☐ No

**Is the project located within a NC DCM Area of Environmental Concern (AEC)? \***

- ☐ Yes
- ☒ No
- ☐ Unknown

**TIP#:**

BR-0048

**WBS#:**

49079.1.1

*(Applies to DOT projects only)*

**County (ies) \***

Surry

**Please upload all files that need to be submitted.**

[Click the upload button or drag and drop files here to attach document](#)

BR-0048 Modification and Renewal Surry January  
2023.pdf 5.31MB

[Only pdf or kmz files are accepted.](#)

**Describe the attachments or add comments:**

\* ☒ By checking the box and signing box below, I certify that:

- I, the project proponent, hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief.
- I, the project proponent, hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- I agree that submission of this online form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the online form.

**Signature: \***

A rectangular box containing a handwritten signature in black ink that reads "Michael Turchy".

**Submittal Date:**

8/17/99

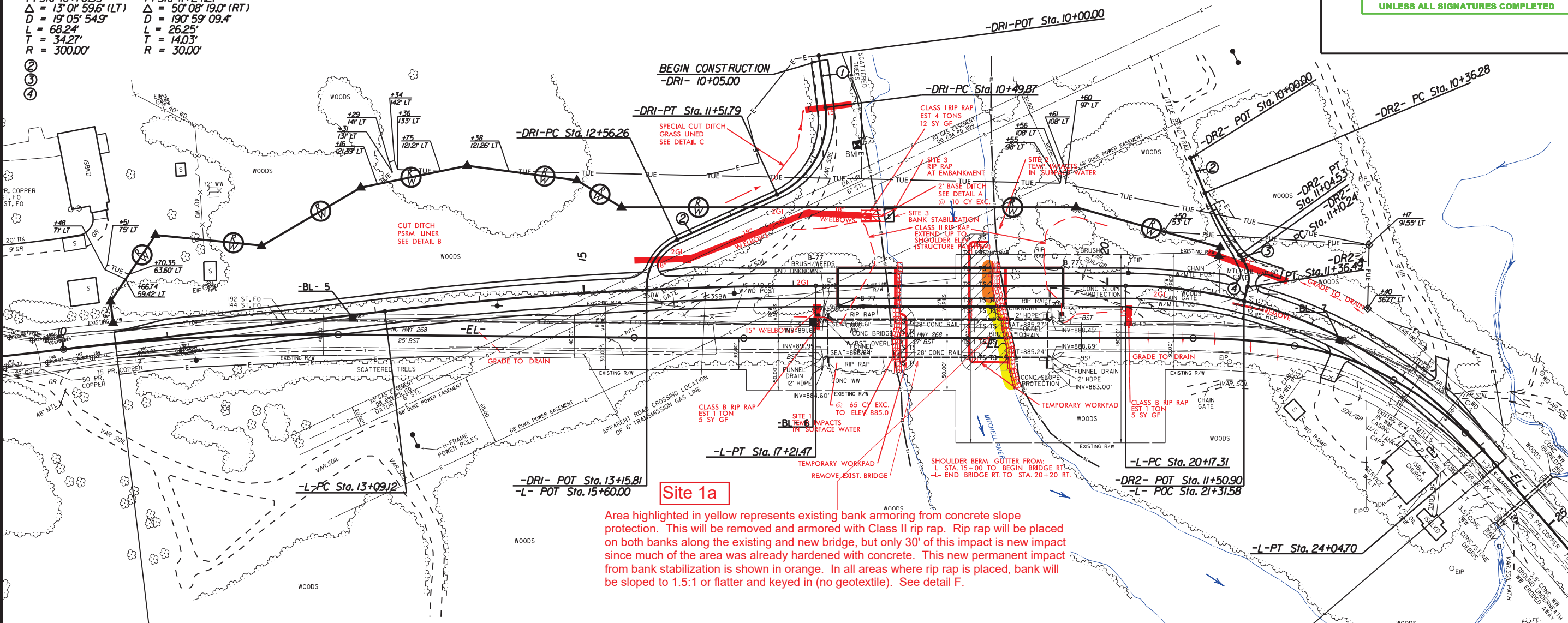
-L-		-DRI-	
PI Sta 15+15.53 $\Delta = 6' 45'' 00.7''$ (RT) $D = 1' 38'' 13.3''$ $L = 412.35'$ $T = 206.41'$ $R = 3,500.00'$ $SE = 0.04$ $RO = 108'$	PI Sta 22+23.93 $\Delta = 49' 19'' 28.2''$ (RT) $D = 12' 43'' 56.6''$ $L = 387.39'$ $T = 206.62'$ $SE = 0.06$ $RO = 162'$ $DS = 35$ MPH	PI Sta 12+90.14 $\Delta = 68' 14'' 50.7''$ (LT) $D = 114' 35'' 29.6''$ $L = 59.56'$ $T = 33.88'$ $R = 50.00'$ $\textcircled{1} S 6' 16'' 19.0'' W$ $\textcircled{2}$	PI Sta 11+09.06 $\Delta = 72' 59'' 19.4''$ (RT) $D = 71' 37'' 11.0''$ $L = 101.91'$ $T = 59.18'$ $R = 80.00'$

-DR2-	
PI Sta 10+70.55 $\Delta = 13' 01'' 59.6''$ (LT) $D = 19' 05'' 54.9''$ $L = 68.24'$ $T = 34.27'$ $R = 300.00'$	PI Sta 11+24.27 $\Delta = 50' 08'' 19.0''$ (RT) $D = 190' 59'' 09.4''$ $L = 26.25'$ $T = 14.03'$ $R = 30.00'$

②  
③  
④

PROJECT REFERENCE NO.		SHEET NO.	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<div>INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION</div>			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

REVISIONS



**Site 1a**

Area highlighted in yellow represents existing bank armoring from concrete slope protection. This will be removed and armored with Class II rip rap. Rip rap will be placed on both banks along the existing and new bridge, but only 30' of this impact is new impact since much of the area was already hardened with concrete. This new permanent impact from bank stabilization is shown in orange. In all areas where rip rap is placed, bank will be sloped to 1.5:1 or flatter and keyed in (no geotextile). See detail F.

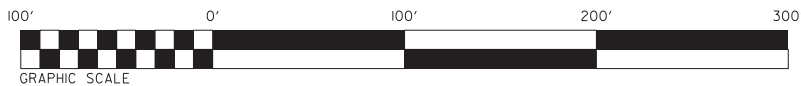
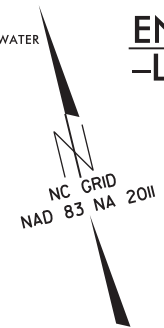
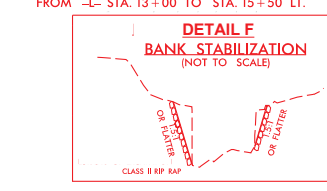
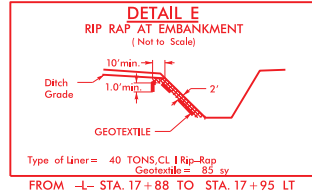
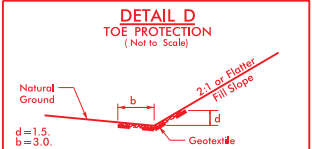
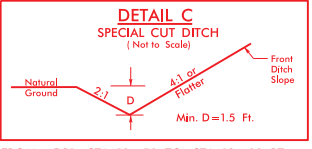
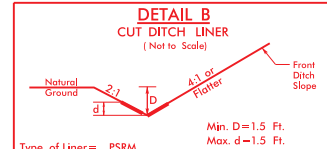
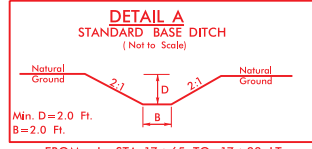
**BEGIN TIP PROJECT BR-0048**  
-L- STA. 10 + 50.00

## WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING  
SHEET 2 OF 7

**END TIP PROJECT BR-0048**  
-L- STA. 24 + 25.00

ONLY ONE WORKPAD CAN BE PLACED AT A TIME  
TO MAINTAIN 50% OF THE RIVER WIDTH



# WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 18+00.7 to 18+15.5	Causeway							0.02		62	
1a		Bank Stabilization						< 0.01		30		
2	-L- 18+60.4 to 19+07.3	Causeway							0.10		130	
3	-L- 17+65 to 17+95	Rip Rap at Embankment						< 0.01		12		
		Bank Stabilization										
TOTALS*:								< 0.01	0.12	42	192	0

\*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 01/06/2020  
 Surry  
 BR-0048  
 67048.1.1  
 SHEET 7 OF 7

# Previous Application

October 2020



## BR-0048 Surry Permit Application Distribution

Turchy, Michael A <maturchy@ncdot.gov>

Thu 10/29/2020 10:06 PM

To: Loretta (Lori) Beckwith <loretta.a.beckwith@usace.army.mil>; Chapman, Amy <amy.chapman@ncdenr.gov>  
Cc: Dagnino, Carla S <cdagnino@ncdot.gov>; Griffin, Randy W <rgriffin@ncdot.gov>; NCDOT Service Account - Roadway Design <roadwaydesign@ncdot.gov>; Staley, Mark K <mstaley@ncdot.gov>; Sanders, Byron <bsanders@ncdot.gov>; Hanks, Brian <bhanks@ncdot.gov>; Fischer, Kevin <wkfischer@ncdot.gov>; Morgan, Stephen R <smorgan@ncdot.gov>; Chambers, Marla J <marla.chambers@ncwildlife.org>; smupeg <smupeg@ncdot.gov>; Cheely, Erin K <ekcheely@ncdot.gov>; Hining, Kevin J <kjhining@ncdot.gov>; Beaver, G Trent <tbeaver@ncdot.gov>; Carpenter, Kristi <kristilynn.carpenter@ncdenr.gov>; Al-Dhalimy, Nadia A <naaldhalimy@ncdot.gov>; Davenport, Ronald E <rondavenport@ncdot.gov>; Wanucha, Dave <dave.wanucha@ncdenr.gov>

The permit application for BR-0048 (the replacement of Bridge 103 on NC 268 over Mitchell River in Surry County) has been posted to the NCDOT Permit Application Website.

The file named "BR-0048 Surry October 20 2020" can be viewed/downloaded at:

<https://xfer.services.ncdot.gov/pdea/PermApps>

or

Direct Link to Application:

<https://xfer.services.ncdot.gov/pdea/PermApps/BR-0048%20Surry%20October%2030%202020.pdf>

The electronic Pre-Construction Notification (ePCN) was submitted to the USACE, NCDWR, NCWRC, and USFWS on October 29, 2020.

Thank you,  
Michael



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

October 30, 2020

U.S. Army Corps of Engineers  
151 Patton Avenue, Room 208  
Asheville, NC 28801-5006

ATTN: Ms. Lori Beckwith  
NCDOT Coordinator

Subject: **Application for Section 404 Nationwide Permit 14, and Section 401 Water Quality Certification** for the Proposed Replacement of Bridge 103 on NC 268 over Mitchell River in Surry County, Division 11, TIP No. BR-0048, Debit \$570 from WBS 49079.1.1.

Dear Madam:

The North Carolina Department of Transportation (NCDOT) proposes to replace bridge number 103 on NC 268 with a new bridge just north of the existing alignment. Traffic will utilize the existing bridge during construction.

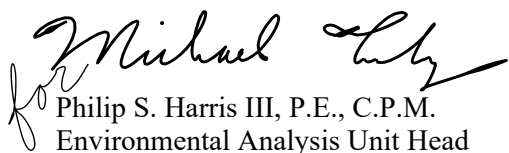
As a result of replacing the existing bridge, there will be 12 linear feet of stream bank stabilization at the outlet of a new ditch, and 0.12 acre of temporary stream impacts from causeways needed for removal of the existing bridge and construction of the new one.

Please see enclosed copies of the Pre-Construction Notification (PCN), bat memo, Catawba response letter, Stormwater Management Plan, and Permit Drawings. A Minimum Criteria Determination Checklist (MCDC) was completed in May 2019 and distributed shortly thereafter. Additional copies are available upon request.

This project calls for a letting date of June 15, 2021 and a review date of April 27, 2021.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at: <http://connect.ncdot.gov/resources/Environmental>. If you have any questions or need additional information, please contact Erin Cheely at [ekcheely@ncdot.gov](mailto:ekcheely@ncdot.gov) or (919) 707-6108.

Sincerely,

  
Philip S. Harris III, P.E., C.P.M.  
Environmental Analysis Unit Head

cc: NCDOT Permit Application Standard Distribution List

Mailing Address:  
NC DEPARTMENT OF TRANSPORTATION  
ENVIRONMENTAL ANALYSIS UNIT  
1598 MAIL SERVICE CENTER  
RALEIGH NC 27699-1598

Telephone: (919) 707-6000  
Customer Service: 1-877-368-4968  
Website: [www.ncdot.gov](http://www.ncdot.gov)

Location:  
1000 BIRCH RIDGE DRIVE  
RALEIGH NC 27610



## Pre-Construction Notification (PCN) Form

For Nationwide Permits and Regional General Permits  
(along with corresponding Water Quality Certifications)

April 11, 2020 Ver 3.1

Please note: fields marked with a red asterisk \* below are required. You will not be able to submit the form until all mandatory questions are answered.

Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

<https://edocs.deq.nc.gov/WaterResources/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf>

### A. Processing Information

County (or Counties) where the project is located: \*

Surry

Is this a NCDMS Project \*

☐ Yes ☒ No

Click Yes, only if NCDMS is the applicant or co-applicant.

Is this project a public transportation project? \*

☒ Yes ☐ No

This is any publicly funded by municipal, state or federal funds road, rail, airport transportation project.

Is this a NCDOT Project? \*

☒ Yes ☐ No

(NCDOT only) T.I.P. or state project number:

BR-0048

WBS # \*

67048.1.1

(for NCDOT use only)

1a. Type(s) of approval sought from the Corps: \*

☒ Section 404 Permit (wetlands, streams and waters, Clean Water Act)

☐ Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)

1b. What type(s) of permit(s) do you wish to seek authorization? \*

☒ Nationwide Permit (NWP)

☐ Regional General Permit (RGP)

☐ Standard (IP)

This form may be used to initiate the standard/individual permit process with the Corps. Please contact your Corps representative concerning submittals for standard permits. All required items that are not provided in the E-PCN can be added to the miscellaneous upload area located at the bottom of this form.

1c. Has the NWP or GP number been verified by the Corps? \*

☐ Yes ☒ No

Nationwide Permit (NWP) Number:

14 - Linear transportation

NWP Numbers (for multiple NWPS):

List all NWP numbers you are applying for not on the drop down list.

1d. Type(s) of approval sought from the DWR: \*

check all that apply

☒ 401 Water Quality Certification - Regular

☐ Non-404 Jurisdictional General Permit

☐ Individual 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 DWR 401 Certification:

☐ Yes ☒ No

For the record only for Corps Permit:

☐ Yes ☒ No

1f. Is this an after-the-fact permit application? \*

☐ Yes ☒ No

1g. 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

Acceptance Letter Attachment

Click the upload button or drag and drop files here to attach document

FILE TYPE MUST BE PDF

1h. Is the project located in any of NC's twenty coastal counties? \*

☐ Yes ☒ No

1j. Is the project located in a designated trout watershed? \*

☐ Yes ☒ No

Link to trout information: <http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx>

## B. Applicant Information

1a. Who is the Primary Contact? \*

NCDOT

1b. Primary Contact Email: \*

ekcheely@ncdot.gov

1c. Primary Contact Phone: \*

(xxx)xxx-xxxx

(919)707-6108

1d. Who is applying for the permit? \*

☒ Owner

(Check all that apply)

☐ Applicant (other than owner)

1e. Is there an Agent/Consultant for this project? \*

☐ Yes ☒ No

## 2. Owner Information

2a. Name(s) on recorded deed: \*

NC Department of Transportation

2b. Deed book and page no.:

2c. Responsible party:

(for Corporations)

2d. Address \*

Street Address

1598 Mail Service Center

Address Line 2

City

Raleigh

Postal / Zip Code

27699

State / Province / Region

NC

Country

USA

2e. Telephone Number: \*

(xxx)xxx-xxxx

(919)707-6108

2f. Fax Number:

(xxx)xxx-xxxx

2g. Email Address: \*

pharris@ncdot.gov

## C. Project Information and Prior Project History

### 1. Project Information

1a. Name of project: \*

BR-0048: Replace Bridge 103 over Mitchell River on NC 268

1b. Subdivision name:

(if appropriate)

**1c. Nearest municipality / town: \***

Burch

## 2. Project Identification

**2a. Property Identification Number:**

(tax PIN or parcel ID)

**2b. Property size:**

(in acres)

**2c. Project Address**

Street Address

Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

**2d. Site coordinates in decimal degrees**

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

**Latitude: \***

36.277359

ex: 34.208504

**Longitude: \***

-80.77069

-77.796371

## 3. Surface Waters

**3a. Name of the nearest body of water to proposed project: \***

Mitchell River

**3b. Water Resources Classification of nearest receiving water: \***

C

[Surface Water Lookup](#)

**3c. What river basin(s) is your project located in? \***

Yadkin-PeeDee

**3d. Please provide the 12-digit HUC in which the project is located. \***

030401010504

[River Basin Lookup](#)

## 4. Project Description and History

**4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: \***

Surrounding land use is residential and forested interspersed with some agriculture.

**4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past? \***

☐ Yes ☒ No ☐ Unknown

**4d. Attach an 8 1/2 X 11 excerpt from the most recent version of the USGS topographic map indicating the location of the project site. (for DWR)**

[Click the upload button or drag and drop files here to attach document](#)

File type must be pdf

**4e. Attach an 8 1/2 X 11 excerpt from the most recent version of the published County NRCS Soil Survey map depicting the project site. (for DWR)**

[Click the upload button or drag and drop files here to attach document](#)

File type must be pdf

**4f. List the total estimated acreage of all existing wetlands on the property:**

0

**4g. List the total estimated linear feet of all existing streams on the property:**

(intermittent and perennial)

690

**4h. Explain the purpose of the proposed project: \***

Replace a deficient bridge that is approaching the end of its useful life to provide a safe crossing.

**4i. Describe the overall project in detail, including indirect impacts and the type of equipment to be used: \***

This project is the replacement of NCDOT Structure Bridge #850103. The existing bridge length is 210 feet (1 @ 70', 1 @ 70', and 1 @ 70' RC Deck on I-beams) while the proposed bridge will be 215 feet (1 @ 55', 1 @ 105', and 1 @ 55' 63" MBT). The new bridge will be placed immediately north of the existing structure and traffic maintained on the existing bridge during construction. Standard road building equipment such as trucks, dozers, and cranes will be used.

**4j. Please upload project drawings for the proposed project.**

[Click the upload button or drag and drop files here to attach document](#)

BR-0048 Final Permit Drawings.pdf

File type must be pdf

3.29MB

5. Jurisdictional Determinations

5a. Have the wetlands or streams been delineated on the property or proposed impact areas? \*

☒ Yes ☐ No ☐ Unknown

Comments:

Only two perennial streams identified (no wetlands), and only one of those (Mitchell River) is impacted by this project.

5b. If the Corps made a jurisdictional determination, what type of determination was made? \*

☐ Preliminary ☐ Approved ☒ Not Verified ☐ Unknown ☐ N/A

Corps AID Number:

Example: SAW-2017-99999

5c. If 5a is yes, who delineated the jurisdictional areas?

Name (if known): Erin Cheely, Jeff Hemphill

Agency/Consultant Company: NCDOT

Other:

5d1. Jurisdictional determination upload

Click the upload button or drag and drop files here to attach document

File type must be PDF

6. Future Project Plans

6a. Is this a phased project? \*

☐ Yes ☒ No

Are any other NWP(s), regional general permit(s), or individual permits(s) used, or intended to be used, to authorize any part of the proposed project or related activity? This includes other separate and distant crossing for linear projects that require Department of the Army authorization but don't require pre-construction notification.

No.

D. Proposed Impacts Inventory

1. Impacts Summary

1a. Where are the impacts associated with your project? (check all that apply):

☐ Wetlands ☒ Streams-tributaries ☐ Buffers ☐ Open Waters ☐ Pond Construction

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. "S." will be used in the table below to represent the word "stream".

	3a. Reason for impact * (?)	3b.Impact type *	3c. Type of impact *	3d. S. name *	3e. Stream Type * (?)	3f. Type of Jurisdiction *	3g. S. width * Average (feet)	3h. Impact length * (linear feet)
S1	Causeway	Temporary	Workpad/Causeway	Mitchell River	Perennial	Both	75	62
S2	Causeway	Temporary	Workpad/Causeway	Mitchell River	Perennial	Both	75	130
S3	Bank Stabilization	Permanent	Bank Stabilization	Mitchell River	Perennial	Both	75	12

\*\* All Perennial or Intermittent streams must be verified by DWR or delegated local government.

3i. Total jurisdictional ditch impact in square feet:

0

3i. Total permanent stream impacts:

12

3i. Total temporary stream impacts:

192

3i. Total stream and ditch impacts:

204

3j. Comments:

Total acreage of temporary impacts from causeways is 0.12 acre.

## E. Impact Justification and Mitigation



### 1. Avoidance and Minimization

#### 1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project: \*

The existing bridge has 12" HDPE funnel drains on both ends of the bridge. The proposed bridge will have deck drains on the right side that are outside top of banks and not over the water. The roadway runoff will be discharged on to riprap pads located as far away from the river as practicable. A shoulder berm gutter will be placed at the beginning and end of the bridge on the right side to help guide the road runoff to the two GlS.

#### 1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques: \*

Temporary causeways will be used to remove existing abutments and set proposed interior girders. Only one workpad will be placed at a time to maintain 50% of the river width. Traffic will be maintained on the existing bridge during construction. NCDOT will adhere to Best Management Practices for Construction and Maintenance Activities.

### 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

#### 2b. If this project DOES NOT require Compensatory Mitigation, explain why:

The NCDOT does not propose mitigation for the temporary and bank stabilization impacts associated with this project. These impacts do not require permanent fill in the stream bed, therefore, under Section 404 of the Clean Water Act, do not constitute Loss of Waters of the U.S., and are not subject to compensatory mitigation.

NC Stream Temperature Classification Maps can be found under the Mitigation Concepts tab on the Wilmington District's [RIBITS](#) website.

## F. Stormwater Management and Diffuse Flow Plan (required by DWR)



\*\*\* Recent changes to the stormwater rules have required updates to this section .\*\*\*

### 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

For a list of options to meet the diffuse flow requirements, click [here](#).

#### If no, explain why:

No buffered resources within project area.

### 2. Stormwater Management Plan

#### 2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250? \*

☒ Yes ☐ No

Comments:

## G. Supplementary Information



### 1. Environmental Documentation

#### 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.) \*

☒ Yes ☐ No

#### NEPA or SEPA Final Approval Letter

[Click the upload button or drag and drop files here to attach document](#)

BR-0048 MDCD.pdf

2.07MB

FILETYPE MUST BE PDF

### 2. Violations (DWR Requirement)

#### 2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)? \*

☐ Yes ☒ No

### 3. Cumulative Impacts (DWR 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 "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 (DWR Requirement)

4a. Is sewage disposal required by DWR for this project? \*

☐ Yes ☐ No ☒ NA

### 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

5d. Is another Federal agency involved? \*

☐ Yes ☒ No ☐ Unknown

5e. Is this a DOT project located within Division's 1-8? \*

☐ Yes ☒ No

5f. Will you cut any trees in order to conduct the work in waters of the U.S.? \*

☒ Yes ☐ No

5g. Does this project involve bridge maintenance or removal? \*

☒ Yes ☐ No

5g(1). If yes, have you inspected the bridge for signs of bat use such as staining, guano, bats, etc.? Representative photos of signs of bat use can be found in the NLEB SLOPES, Appendix F, pages 3-7.

☒ Yes ☐ No

Link to the NLEB SLOPES document: [http://saw-reg.usace.army.mil/NLEB/1-30-17-signed\\_NLEB-SLOPES&apps.pdf](http://saw-reg.usace.army.mil/NLEB/1-30-17-signed_NLEB-SLOPES&apps.pdf)

If you answered "Yes" to 5g(1), did you discover any signs of bat use? \*

☐ Yes ☒ No ☐ Unknown

\*\*\* If yes, please show the location of the bridge on the permit drawings/project plans.

5h. Does this project involve the construction/installation of a wind turbine(s)? \*

☐ Yes ☒ No

5i. Does this project involve (1) blasting, and/or (2) other percussive activities that will be conducted by machines, such as jackhammers, mechanized pile drivers, etc.? \*

☒ Yes ☐ No

If yes, please provide details to include type of percussive activity, purpose, duration, and specific location of this activity on the property.

[Click the upload button or drag and drop files here to attach document](#)

File must be PDF

5j. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? \*

As of 7/17/20, the USFWS lists five protected species for Surry County. See attached memo for gray bat and NLEB info. Habitat is present for Schweinitz's sunflower. Walking visual surveys of all areas of habitat were conducted by NCDOT biologists and no individuals of this species were identified, therefore this project will have no effect on Schweinitz's sunflower.

No habitat is present for the bog turtle, and small whorled pogonia is listed as historical for Surry County, therefore surveys are not required.

#### Consultation Documentation Upload

[Click the upload button or drag and drop files here to attach document](#)

BR-0048 Surry NLEB MYGR SLOPES.pdf

278.59KB

File type must be PDF

### 6. Essential Fish Habitat (Corps Requirement)

6a. Will this project occur in or near an area designated as an Essential Fish Habitat? \*

☐ Yes ☒ No

6b. What data sources did you use to determine whether your site would impact an Essential Fish Habitat? \*

NMFS County Index

### 7. Historic or Prehistoric Cultural Resources (Corps Requirement)



Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: <http://gis.ncdcr.gov/hpoweb/>)

**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? \***

Tribal coordination

**7c. Historic or Prehistoric Information Upload**

[Click the upload button or drag and drop files here to attach document](#)

BR-0048 Catawba Response 2019-193-36.pdf

597.75KB

[File must be PDF](#)

## 8. Flood Zone Designation (Corps Requirement)

Link to the FEMA Floodplain Maps: <https://msc.fema.gov/portal/search>

**8a. Will this project occur in a FEMA-designated 100-year floodplain? \***

☒ Yes ☐ No

**8b. If yes, explain how project meets FEMA requirements:**

**8c. What source(s) did you use to make the floodplain determination? \***

FEMA Maps

## Miscellaneous

**Comments**

There will be 1.4 acres of tree clearing on this project.

**Miscellaneous attachments not previously requested.**

[Click the upload button or drag and drop files here to attach document](#)

BR-0048 Cover Letter.pdf

248.7KB

[File must be PDF or KMZ](#)

## Signature

\*

☒ By checking the box and signing below, I certify that:

- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the PCN form.

**Full Name: \***

Michael Anthony Turchy

**Signature \***

*Michael Turchy*

**Date**

10/29/2020

## RE: Pre-Filing Notification for Raleigh Let Projects in the 12 MLL

Carpenter, Kristi <kristilynn.carpenter@ncdenr.gov>

Wed 10/21/2020 5:36 PM

**To:** Dagnino, Carla S <cdagnino@ncdot.gov>; Chapman, Amy <amy.chapman@ncdenr.gov>; Wanucha, Dave <dave.wanucha@ncdenr.gov>; Hood, Donna <donna.hood@ncdenr.gov>; Ridings, Rob <rob.ridings@ncdenr.gov>; Steenhuis, Joanne <joanne.steenhuis@ncdenr.gov>; Ward, Garcy <garcy.ward@ncdenr.gov>

**Cc:** Barrett, William A <wabarrett@ncdot.gov>; Cheely, Erin K <ekcheely@ncdot.gov>; Cashin, Gordon E <gcashin@ncdot.gov>; Rivenbark, Chris <crivenbark@ncdot.gov>; Dilday, Jason L <jldilday@ncdot.gov>; Hemphill, Jeffrey L <jhemphill@ncdot.gov>; Riffey, Deanna <driffey@ncdot.gov>; Turchy, Michael A <maturchy@ncdot.gov>; Murray, Christopher A <camurray@ncdot.gov>; Price, Gregory W <gwprice2@ncdot.gov>; Hining, Kevin J <kjhining@ncdot.gov>; Harris, Philip S <pharris@ncdot.gov>

 1 attachments (18 KB)

Pre Filing Notification List of Projects from 12 MLL Through Sept 21 to NCDWR (002).xlsx;

All,

Please see the attached spreadsheet which has added columns with the DWR project and version number for each project listed along a link to each project in Laserfiche.

All notifications are in our system with the original notification date of 9/28/2020.

Please utilize the added DWR information when sending the applications for the listed projects.

Please contact me if there are any questions/concerns.

Thanks,

Kristi Lynn Carpenter

---

**From:** Dagnino, Carla S <cdagnino@ncdot.gov>

**Sent:** Monday, September 28, 2020 12:09 PM

**To:** Chapman, Amy <amy.chapman@ncdenr.gov>; Carpenter, Kristi <kristilynn.carpenter@ncdenr.gov>; Wanucha, Dave <dave.wanucha@ncdenr.gov>; Hood, Donna <donna.hood@ncdenr.gov>; Ridings, Rob <rob.ridings@ncdenr.gov>; Steenhuis, Joanne <joanne.steenhuis@ncdenr.gov>; Ward, Garcy <garcy.ward@ncdenr.gov>

**Cc:** Barrett, William A <wabarrett@ncdot.gov>; Cheely, Erin K <ekcheely@ncdot.gov>; Cashin, Gordon E <gcashin@ncdot.gov>; Rivenbark, Chris <crivenbark@ncdot.gov>; Dilday, Jason L <jldilday@ncdot.gov>; Hemphill, Jeffrey L <jhemphill@ncdot.gov>; Riffey, Deanna <driffey@ncdot.gov>; Turchy, Michael A <maturchy@ncdot.gov>; Murray, Christopher A <camurray@ncdot.gov>; Price, Gregory W <gwprice2@ncdot.gov>; Hining, Kevin J <kjhining@ncdot.gov>; Harris, Philip S <pharris@ncdot.gov>

**Subject:** Pre-Filing Notification for Raleigh Let Projects in the 12 MLL

All,

Please see the attached letter and request for the Pre-Filing Notification. We are not requesting a meeting for the attached projects and would like this letter and attachment to represent the notification in Laser Fiche.

If you have any questions about this, please contact me.

Thank you!

Carla

**Carla Dagnino**

Environmental Coordination and Permitting Group Leader

Environmental Analysis Unit

NC Department of Transportation

919 707 6110 Office

919 602 9452 Cell

[cdagnino@ncdot.gov](mailto:cdagnino@ncdot.gov)

1598 Mail Service Center

Raleigh, NC 27699 -1598

1000 Birch Ridge Drive

Raleigh, NC 27610

Projects Potentially Requiring Notification per New 401 EPA Rule  
12 Month Let List SEPT 2020 - SEPT 2021 (from 36 Month Let List)

DWR Rep	NCDOT Contact	Let Date	TIP	Let Type	Div	County	Project Description	Type of Previous DWR Correspondence	DWR #	Version #	Received E Laserfiche Link
Wanucha	Bill Barrett	09/21/2021	B-5728	Raleigh Letting	7	Alamance	REPLACE BRIDGE 112 OVER REEDY FORK CREEK IN OSSIPEE ON NC 87	No Files found in Laserfiche	20201505	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326036&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326036&amp;dbid=0&amp;repo=WaterResources</a>
Hood	Erin Cheely	05/18/2021	B-4407	Raleigh Letting	10	Anson, Stanly	BRIDGE 70 OVER ROCKY RIVER ON US 52	No Files found in Laserfiche	20201506	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326038&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326038&amp;dbid=0&amp;repo=WaterResources</a>
Hood	Erin Cheely	03/16/2021	B-5818	Raleigh Letting	10	Anson	REPLACE BRIDGE 11 OVER DEADFALL CREEK ON NC 109	No Files found in Laserfiche	20201507	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326055&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326055&amp;dbid=0&amp;repo=WaterResources</a>
Hood	Bill Barrett	07/20/2021	BR-0107	Raleigh Letting	12	Iredell	SR 1577 BRIDGE 131 REPLACE BRIDGE 131 OVER TO SNOW CREEK.	No Files found in Laserfiche	20201508	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326056&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326056&amp;dbid=0&amp;repo=WaterResources</a>
Hood	Rail Division	08/17/2021	P-5705A	Raleigh Letting	10	Mecklenburg	CHARLOTTE WYE CONNECTION - RAIL	No Files found in Laserfiche	20181692	2	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326025&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326025&amp;dbid=0&amp;repo=WaterResources</a>
Ridings	Chris Murray	02/16/2021	B-5318	DDRL	5	Wake	REPLACE BRIDGE 910126 OVER SMITHS CREEK SR 2044 (LIGON MILLROAD) IN WAKE FOREST	Laserfiche Files: Scoping Letter	20201509	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326057&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326057&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Gordon Cashin	07/20/2021	B-5624	Raleigh Letting	3	Brunswick	BRIDGE 57 OVER JUNIPER CREEK ON NC 211	Laserfiche Files: P/JD Package	20201510	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326058&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326058&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Gordon Cashin	07/20/2021	B-5642	Raleigh Letting	3	Brunswick	BRIDGE 65 OVER HOOD CREEK ON NC 87	No Files found in Laserfiche	20201511	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326059&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326059&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Chris Rivenbark	05/18/2021	BR-0017	Raleigh Letting	3	Duplin	BRIDGE 300012 ON NC 11 OVER LITTLE ROCKFISH CREEK	Laserfiche Files: P/JD Package	20201512	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326060&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326060&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Greg Price	07/20/2021	I-5878	DDRL	6	Harnett	I-95 AT US 421 (EXIT 73) AND SR 1793 (POPE ROAD) (EXIT 72).IMPROVE INTERCHANGES. WIDEN TO EIGHT LANES. (COMB W/I-5883 & I-5986B).	No Files found in Laserfiche	20201513	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326061&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326061&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Greg Price	07/20/2021	I-5883	DDRL	6	Harnett	I-95 AT SR 1808 (JONESBORO ROAD) (EXIT 75) TO NORTH OF SR 1709 (HODGES CHAPEL ROAD) (EXIT 77). IMPROVE INTERCHANGES. WIDEN TO EIGHT LANES. (COMB W/I-5878 & I-5986B).	Laserfiche Files: Scoping Letter and JD Request	20201514	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326062&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326062&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Greg Price	07/20/2021	I-5986B	DDRL	6	Harnett, Johnston	I-95 FROM SR 1709 (HODGES CHAPEL ROAD - EXIT 77) TO I-40 (EXIT 81). WIDEN TO EIGHT LANES HARNETT/JOINSTON COUNTIES. (COMB W/I-5878 & I-5883).	No Files found in Laserfiche	20190214	3	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326029&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326029&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Jason Dilday	04/20/2021	R-2561CA	DDRL	6	Columbus	NC 87 AT NC 11. CONSTRUCT INTERCHANGE.	Laserfiche Files: P/JD Package	20201515	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326063&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326063&amp;dbid=0&amp;repo=WaterResources</a>
Steenhuis	Greg Price	04/20/2021	R-5797	DDRL	6	Columbus	US 74 AT SR 1506 (BOARDMAN ROAD)	Laserfiche Files: P/JD Package	20201516	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326064&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326064&amp;dbid=0&amp;repo=WaterResources</a>
Wanucha	Kevin Hining	07/20/2021	17BP.11.R.15	DDRL	11	Wilkes	BRIDGE 419 ON SR 1148 OVER NAKED CREEK.	No Files found in Laserfiche	20201517	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326065&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326065&amp;dbid=0&amp;repo=WaterResources</a>
Wanucha	Erin Cheely	06/15/2021	BR-0048	Raleigh Letting	11	Surry	BRIDGE 103 ON NC 268 OVER MITCHELL RIVER REPLACE BRIDGE.	Laserfiche Files: Start of Study Letter	20201518	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326066&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326066&amp;dbid=0&amp;repo=WaterResources</a>
Wanucha	Jeff Hemphill	07/20/2021	BR-0108	Raleigh Letting	11	Wilkes	SR 2418 BRIDGE 4 REPLACE BRIDGE 4 OVER LITTLE HUNTING CREEK.	No Files found in Laserfiche	20201519	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326067&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326067&amp;dbid=0&amp;repo=WaterResources</a>
Ward	Jason Dilday	09/21/2021	B-4926	DDRL	2	Lenoir	NEUSE RIVER - REPLACE BRIDGE NO. 20 AND 34 OVER NEUSE RIVEROVERFLOW ON NC 55	Laserfiche Files: Previous NW 6	20181733	2	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326028&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326028&amp;dbid=0&amp;repo=WaterResources</a>
Ward	Deanna Riffey	09/21/2021	B-5614	Raleigh Letting	2	Beaufort	REPLACE BRIDGE 9 OVER BLOUNTS CREEK ON SR 1112	No Files found in Laserfiche	20201520	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326068&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326068&amp;dbid=0&amp;repo=WaterResources</a>
Ward	Deanna Riffey	05/18/2021	B-5619	Raleigh Letting	2	Lenoir	REPLACE BRIDGE 52 OVER NEUSE RIVER AND REPLACE BRIDGE 152 OVER NEUSE RIVER OVERFLOW ON SR 1389 (HARDY BRIDGE ROAD)	No Files found in Laserfiche	20201521	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326069&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326069&amp;dbid=0&amp;repo=WaterResources</a>
Ward	Deanna Riffey	09/21/2021	BR-0004	Raleigh Letting	2	Beaufort	BRIDGE 060066 ON US 264 OVER PUNGO RIVER	No Files found in Laserfiche	20201522	1	9/28/2020 <a href="https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326070&amp;dbid=0&amp;repo=WaterResources">https://edocs.deq.nc.gov/WaterResources/Browse.aspx?id=1326070&amp;dbid=0&amp;repo=WaterResources</a>



North Carolina Department of Transportation  
Highway Stormwater Program  
STORMWATER MANAGEMENT PLAN  
FOR NCDOT PROJECTS



(Version 2.08; Released April 2018)

WBS Element: 67048.1.1 TIP No.: BR-0048 County(ies): Surry Page 1 of 1

General Project Information

WBS Element:	67048.1.1	TIP Number:	BR-0048	Project Type:	Bridge Replacement	Date:	9/10/2020
NCDOT Contact:	A. Keith Paschal, PE			Contractor / Designer:	Hannah Mann		
	Address:	1000 Birch Ridge Dr Raleigh, NC 27610			Address:	1000 Birch Ridge Dr Raleigh, NC 27610	
	Phone:	919-707-6481			Phone:	919-707-6741	
	Email:	kpaschal@ncdot.gov			Email:	hpmann@ncdot.gov	
City/Town:	Elkin			County(ies):	Surry		
River Basin(s):	Yadkin-Pee Dee			CAMA County?	No		
Wetlands within Project Limits?	No						

Project Description

Project Length (lin. miles or feet):	0.26	Surrounding Land Use:	Rural
	Proposed Project		Existing Site
Project Built-Upon Area (ac.)	1.5 ac.	1.5 ac.	
Typical Cross Section Description:	NC 268: Two twelve feet wide paved lanes (total 24 feet wide), eight feet wide shoulder on each side (eleven feet wide with guardrail). The first five feet of the shoulder is paved.		NC 268: open shoulder section, two eleven feet wide paved lanes (total 22 feet wide)
Annual Avg Daily Traffic (veh/hr/day):	Design/Future: 3720	Year: 2040	Existing: 3520 Year: 2020
General Project Narrative: (Description of Minimization of Water Quality Impacts)	This project is the replacement of the NCDOT Structure Bridge #850103. The existing bridge length is 210 feet (1 @ 70', 1 @ 70', and 1 @ 70' RC Deck on I-Beams) while the proposed bridge will be 215 feet (1 @ 55', 1 @ 105', 1 @ 55' 63" MBT). Temporary causeways are needed to remove existing abutments and set proposed interior girders. Only one workpad can be placed at a time to maintain 50% of the river width. The existing bridge has 12" HDPE funnel drains on both ends of the bridge. The proposed bridge will have deck drains on the right side that are outside top of banks and not over the water. The roadway runoff will be discharged onto rip rap pads located as far away from the river as practicable. A shoulder berm gutter will be placed at the beginning and end of the bridge on the right side to help guide the road runoff to the two 2GIs.		

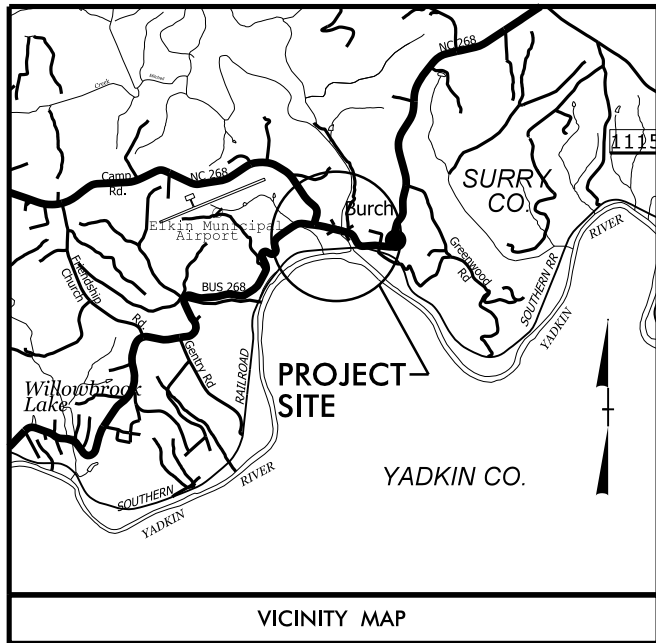
Waterbody Information

Surface Water Body (1):	Mitchell River	NCDWR Stream Index No.:	12.62-(12.5)
NCDWR Surface Water Classification for Water Body	Primary Classification:	Class C	
	Supplemental Classification:		
Other Stream Classification:	None		
Impairments:	None		
Aquatic T&E Species?	No	Comments:	
NRTR Stream ID:	12-62-(12.5)	Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over 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)			

TIP PROJECT: BR-0048

CONTRACT: C204492

See Sheet 1A For Index of Sheets  
See Sheet 1B For Symbology Sheet

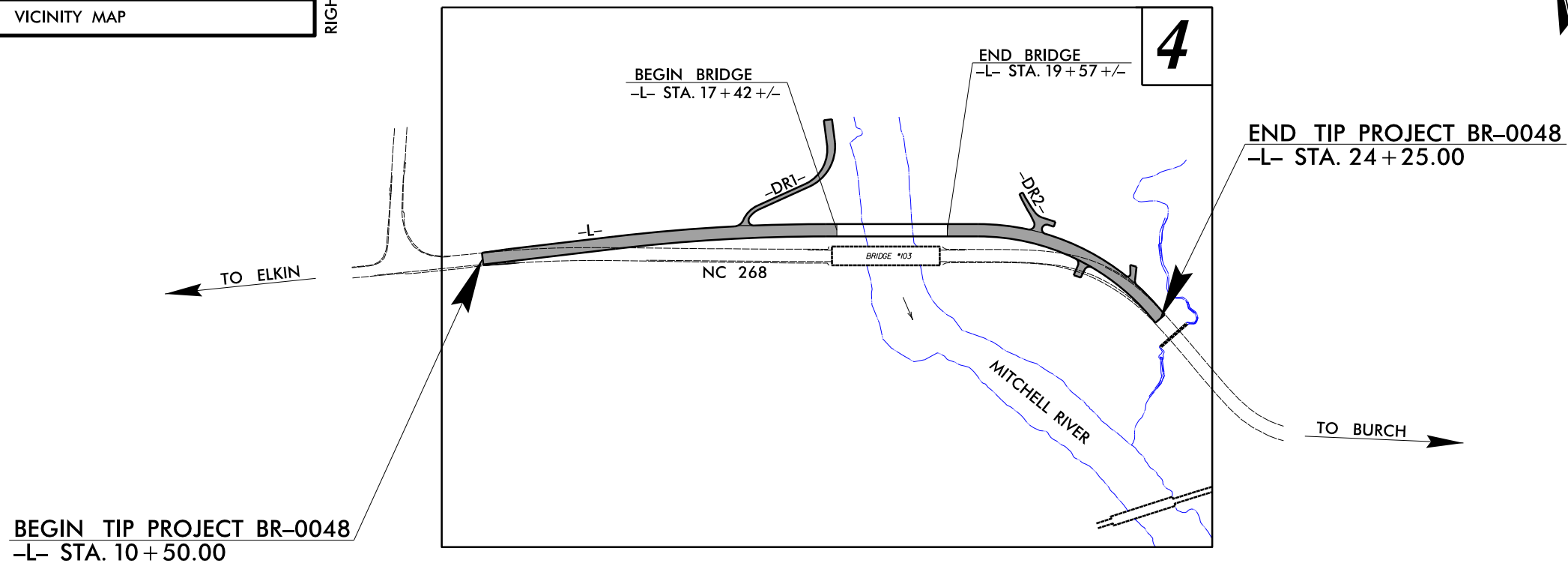


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**SURRY COUNTY**

LOCATION: BRIDGE #103 ON NC 268  
OVER MITCHELL RIVER

TYPE OF WORK: GRADING, PAVING, DRAINAGE  
AND STRUCTURE

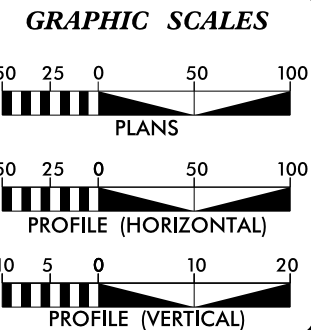
WETLAND AND SURFACE WATER IMPACTS PERMIT



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0048	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49079.1.1		PE	
49079.2.1		R/W	
49079.3.1		CONST	



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

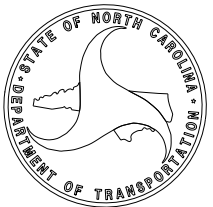


DESIGN DATA	
ADT 2020 =	3,520
ADT 2040 =	3,720
K =	10 %
D =	60 %
T =	10 % *
V =	60 MPH
* TTST =	5% DUAL 5%
FUNC CLASS =	RURAL COLLECTOR
REGIONAL TIER	

PROJECT LENGTH	
LENGTH ROADWAY TIP PROJECT BR-0048 =	0.219 MILES
LENGTH STRUCTURES TIP PROJECT BR-0048 =	0.041 MILES
TOTAL LENGTH TIP PROJECT BR-0048 =	0.260 MILES

Prepared in the Office of: <b>DIVISION OF HIGHWAYS</b> 1000 Birch Ridge Dr., Raleigh NC, 27610	
2018 STANDARD SPECIFICATIONS	A. KEITH PASCHAL, PE PROJECT MANAGER
RIGHT OF WAY DATE: DECEMBER 4, 2019	TATIA L. WHITE, PE, PLS
LETTING DATE: JUNE 15, 2021	SHERRI E. CALHOUN, PE PROJECT TEAM LEAD

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



PERMIT DRAWING  
SHEET 1 OF 7

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



8/17/99

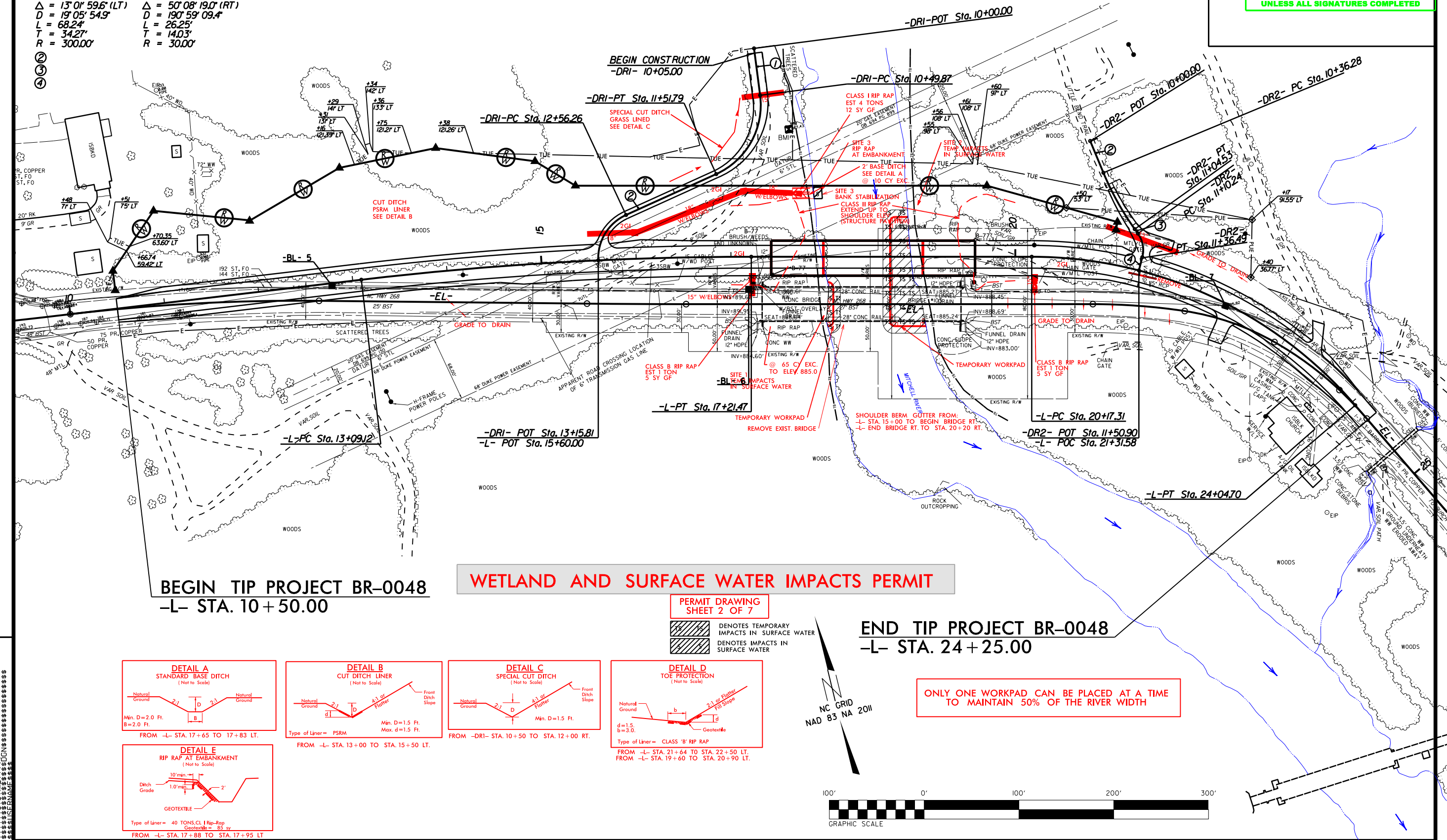
-L-		-DRI-	
PI Sta 15+15.53	PI Sta 22+23.93	PI Sta 12+90.14	PI Sta 11+09.06
$\Delta = 6' 45'' 00.7''$ (RT)	$\Delta = 49' 19'' 28.2''$ (RT)	$\Delta = 68' 14'' 50.7''$ (LT)	$\Delta = 72' 59'' 19.4''$ (RT)
$D = 1' 38'' 13.3''$	$D = 12' 43'' 56.6''$	$D = 114' 35'' 29.6''$	$D = 71' 37'' 11.0''$
$L = 412.35'$	$L = 387.39'$	$L = 59.56'$	$L = 101.91'$
$T = 206.41'$	$T = 206.62'$	$T = 33.88'$	$T = 59.18'$
$R = 3,500.00'$	$R = 450.00'$	$R = 50.00'$	$R = 80.00'$
$SE = 0.04$	$SE = 0.06$		
$RO = 108'$	$RO = 162'$		
	$DS = 35$ MPH		

-DR2-	
PI Sta 10+70.55	PI Sta 11+24.27
$\Delta = 13' 01'' 59.6''$ (LT)	$\Delta = 50' 08'' 19.0''$ (RT)
$D = 19' 05'' 54.9''$	$D = 190' 59'' 09.4''$
$L = 68.24'$	$L = 26.25'$
$T = 34.27'$	$T = 14.03'$
$R = 300.00'$	$R = 30.00'$

②  
③  
④

PROJECT REFERENCE NO.		SHEET NO.	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<div>INCOMPLETE PLANS</div> <div>DO NOT USE FOR R/W ACQUISITION</div>			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

REVISIONS





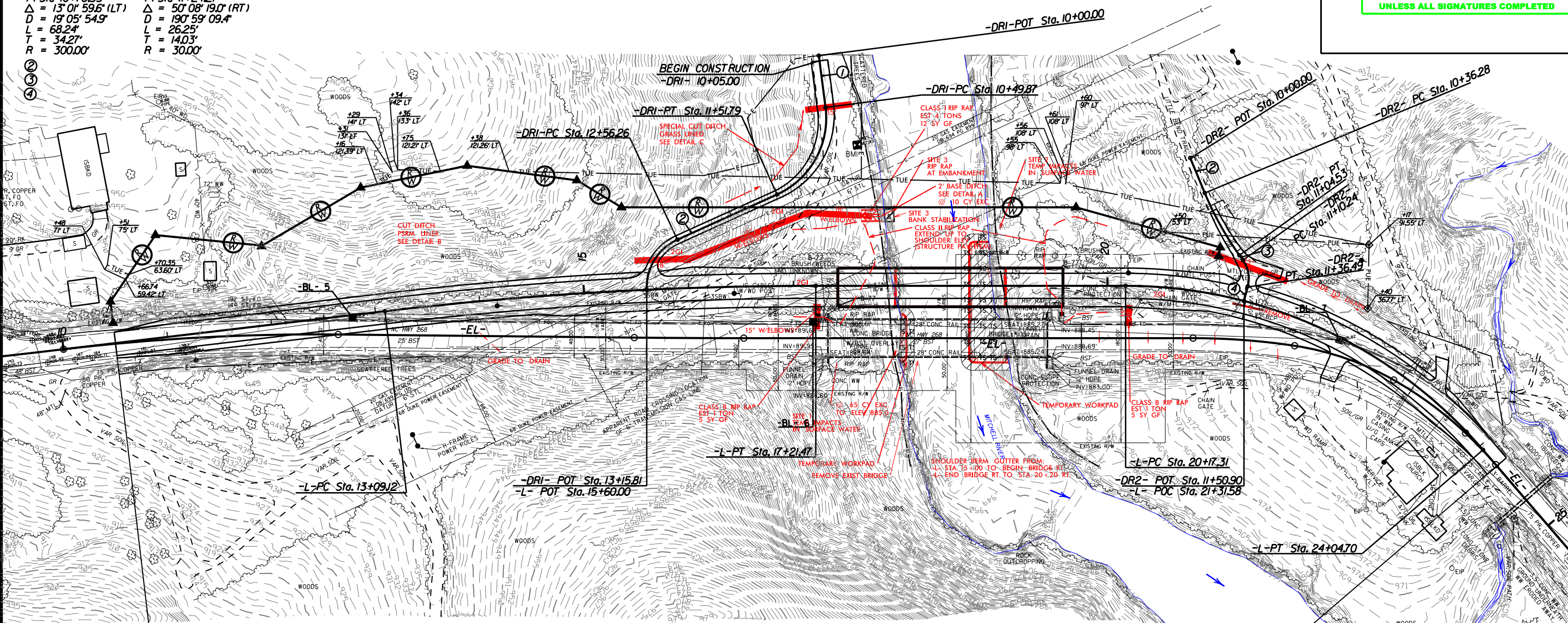
8/17/99

-L-		-DRI-	
PI Sta 15+15.53	PI Sta 22+23.93	PI Sta 12+90.14	PI Sta 11+09.06
$\Delta = 6' 45" 00.7" (RT)$	$\Delta = 49' 19" 28.2" (RT)$	$\Delta = 68' 14" 50.7" (LT)$	$\Delta = 72' 59" 19.4" (RT)$
$D = 1' 38" 13.3"$	$D = 12' 43" 56.6"$	$D = 114' 35" 29.6"$	$D = 71' 37" 11.0"$
$L = 412.35'$	$L = 387.39'$	$L = 59.56'$	$L = 101.91'$
$T = 206.41'$	$T = 206.62'$	$T = 33.88'$	$T = 59.18'$
$R = 3,500.00'$	$R = 450.00'$	$R = 50.00'$	$R = 80.00'$
$SE = 0.04$	$SE = 0.06$	① S 6°16' 19.0° W	
$RO = 108'$	$RO = 162'$		
	$DS = 35 MPH$	②	

-DR2-	
PI Sta 10+70.55	PI Sta 11+24.27
$\Delta = 13' 01" 59.6" (LT)$	$\Delta = 50' 08" 19.0" (RT)$
$D = 19' 05" 54.9"$	$D = 190' 59" 09.4"$
$L = 68.24'$	$L = 26.25'$
$T = 34.27'$	$T = 140.3'$
$R = 300.00'$	$R = 30.00'$

PROJECT REFERENCE NO.		SHEET NO.	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

REVISIONS



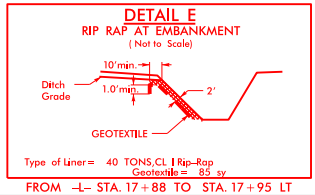
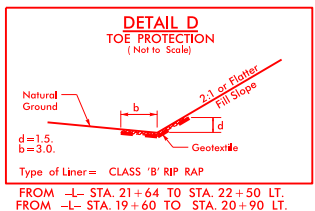
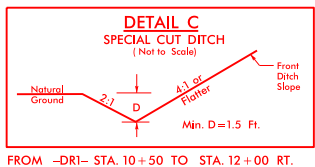
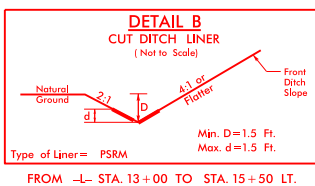
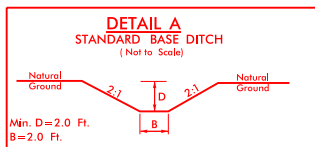
BEGIN TIP PROJECT BR-0048  
-L- STA. 10 + 50.00

## WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING  
SHEET 3 OF 7

- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES IMPACTS IN SURFACE WATER

END TIP PROJECT BR-0048  
-L- STA. 24 + 25.00



NC GRID  
NAD 83 NA 2011

ONLY ONE WORKPAD CAN BE PLACED AT A TIME  
TO MAINTAIN 50% OF THE RIVER WIDTH





5/14/99

# WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING  
SHEET 4 OF 7

DIAGONAL HATCHING  
DENOTES TEMPORARY  
IMPACTS IN SURFACE WATER

ONLY ONE WORKPAD CAN BE PLACED AT A TIME  
TO MAINTAIN 50% OF THE RIVER WIDTH

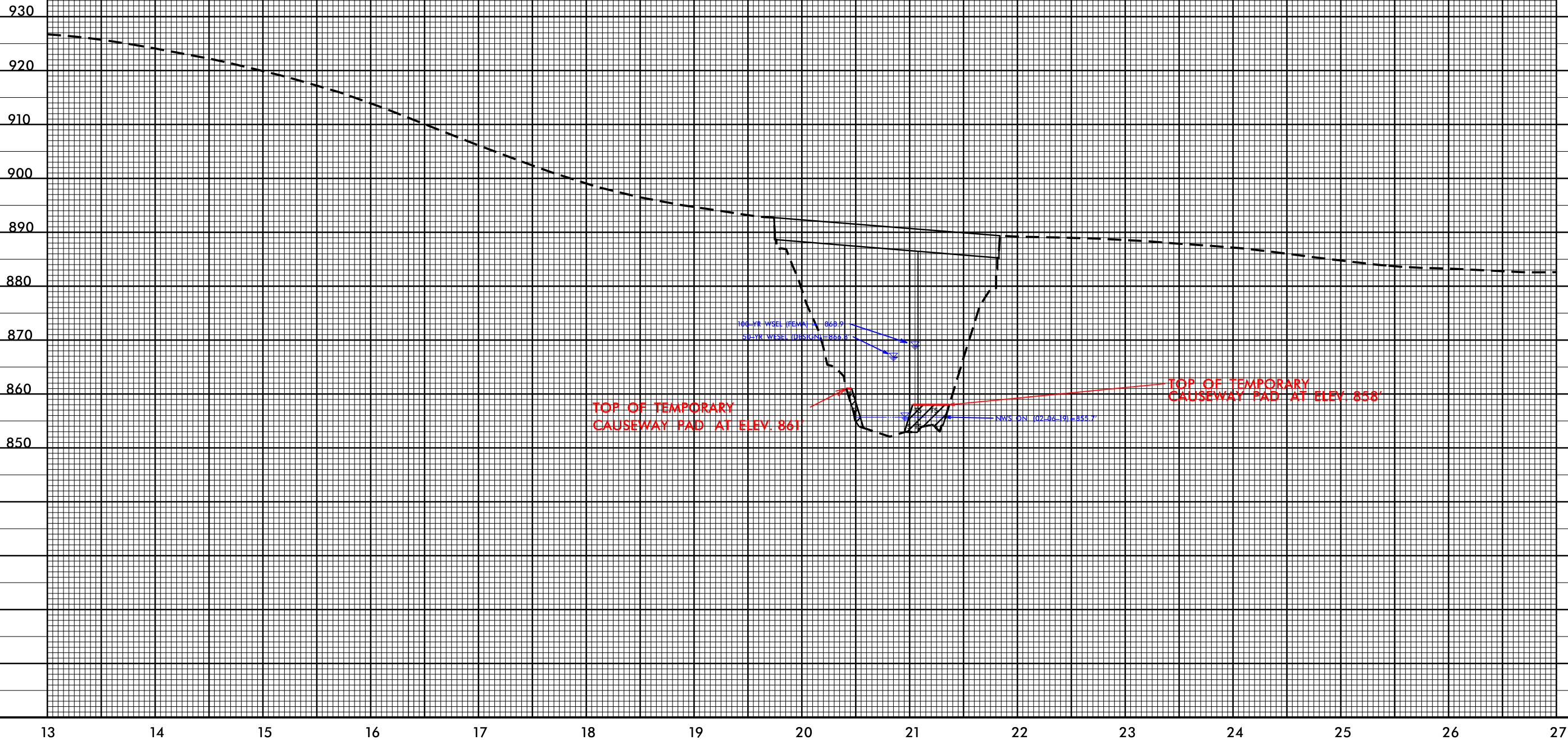
PROJECT REFERENCE NO. SHEET NO.

ROADWAY DESIGN  
ENGINEER

HYDRAULICS  
ENGINEER

INCOMPLETE PLANS  
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



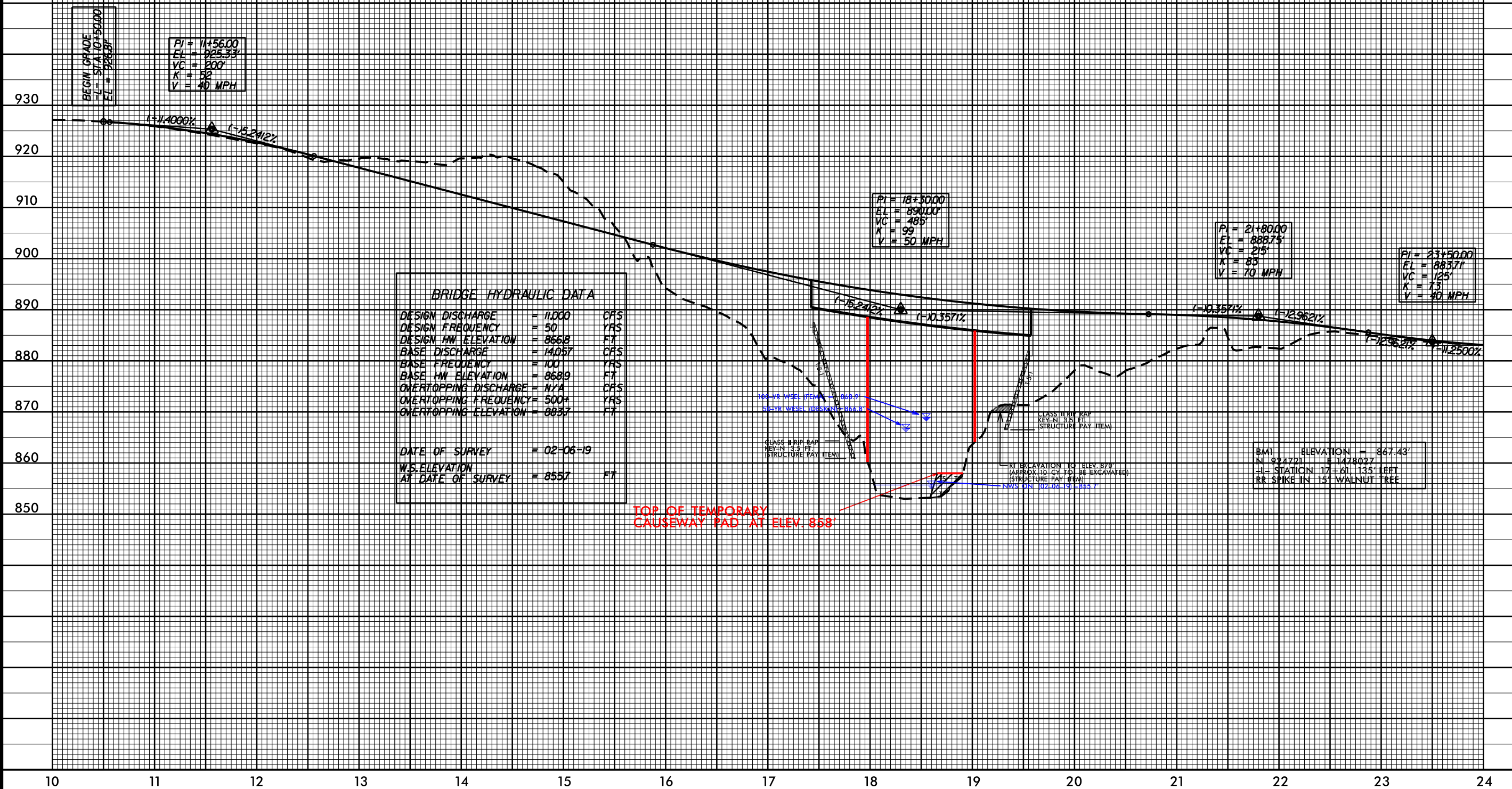
SYSTEMS ENGINEER  
5/14/99



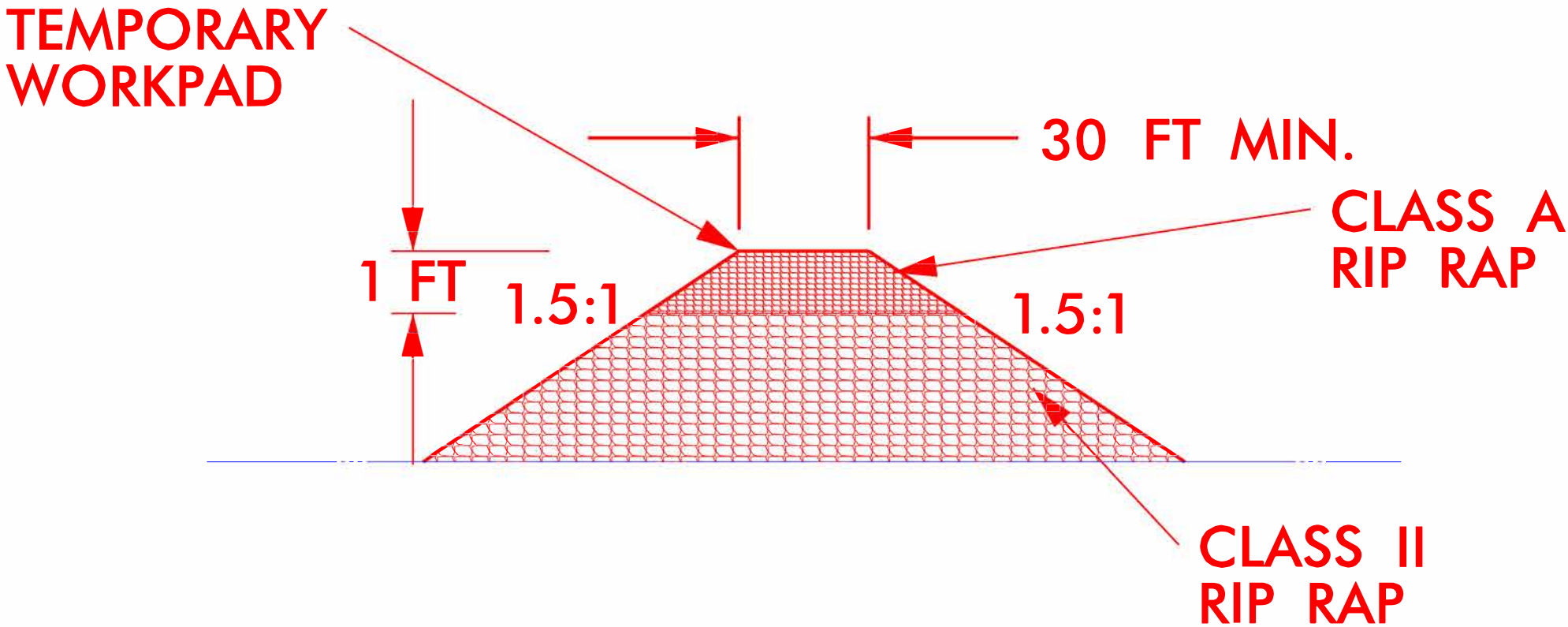
PERMIT DRAWING  
SHEET 5 OF 7

 DENOTES TEMPORARY IMPACTS IN SURFACE WATER

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



# TEMPORARY WORKPAD DETAIL



TYPICAL SECTION  
(NOT TO SCALE)

# WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 18+00.7 to 18+15.5	Causeway							0.02		62	
2	-L- 18+60.4 to 19+07.3	Causeway							0.10		130	
3	-L- 17+65 to 17+95	Rip Rap at Embankment						< 0.01		12		
		Bank Stabilization										
TOTALS*:								< 0.01	0.12	12	192	0

\*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
01/06/2020  
Surry  
BR-0048  
67048.1.1  
SHEET 7 OF 7



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

July 30, 2020

TO: Erin Cheely, Environmental Program Consultant  
Environmental Coordination & Permitting Group, EAU

FROM: Melissa Miller, Environmental Program Consultant  
Biological Surveys Group, EAU

SUBJECT: Section 7 survey results for the northern long-eared bat (*Myotis septentrionalis*) and gray bat (*Myotis grisescens*) associated with the replacement of Bridge No. 103 over the Mitchell River on NC 268 in Surry County, **TIP No. BR-0048.**

The North Carolina Department of Transportation (NCDOT, Division 11) proposes to replace Bridge No. 103 over the Mitchell River on NC 268 in Surry County, TIP No. BR-0048. The existing bridge is a three span structure with steel beams, concrete deck, end walls and guard rails. The overall length of the structure is 210 feet.

Northern long-eared bat

The project to replace Bridge No. 103 has been reviewed for effects on the northern long-eared bat (NLEB). As of May 4, 2015, NLEB is listed by the U.S. Fish and Wildlife Service (USFWS) as "Threatened" under the Endangered Species Act of 1973. As of July 30, 2020, NLEB is listed by USFWS ([http://www.fws.gov/raleigh/species/cntylist/nc\\_counties.html](http://www.fws.gov/raleigh/species/cntylist/nc_counties.html)) as "probable/potential" in Surry County.

According to the North Carolina Natural Heritage Program (NHP) Biotics Database, most recently updated April 2020, **the nearest NLEB hibernacula record is 59 miles southwest of the project and no known NLEB roost trees occur within 150 feet of the project area.**

NCDOT has also reviewed the USFWS Asheville Field office website ([http://www.fws.gov/asheville/htmls/project\\_review/NLEB\\_in\\_WNC.html](http://www.fws.gov/asheville/htmls/project_review/NLEB_in_WNC.html)) for consistency with NHP records. This project is located entirely outside of the red highlighted areas (12-digit HUC) that the USFWS Asheville Field Office has determined to be representative of an area that may require consultation. The closest 12 digit (030501010502) red HUC is approximately 57 miles away (Upper Wilson Creek).

On May 30, 2018, NCDOT biologists assessed Bridge No. 103 for potential northern long-eared bat habitat. No crevices suitable for roosting were present on the structure. No evidence (bats, staining, and guano) of bats was observed. Snags and shaggy barked trees greater than 3" dbh are present within the project area. Based on the presence of suitable roost trees, NCDOT recommends a Biological Conclusion of ***May Affect Not Likely To Adversely Affect*** for the northern long-eared bat. To minimize impacts to potential roosting habitat, a tree clearing moratorium may be required between April 15 and August 15 of any year.

#### Gray bat

The project to replace Bridge No. 103 has also been reviewed for effects on the gray bat (MYGR). As of April 28, 1976, the gray bat was listed by the U.S. Fish and Wildlife Service (USFWS) as "Endangered" under the Endangered Species Act of 1973. According to the USFWS Surry County webpage (accessed July 30, 2020), ([http://www.fws.gov/raleigh/species/cntylist/nc\\_counties.html](http://www.fws.gov/raleigh/species/cntylist/nc_counties.html)), the gray bat is listed by USFWS as "current" in Surry County.

According to the North Carolina Natural Heritage Program (NHP) Biotics Database, most recently updated in April 2020, MYGR have not been documented in Surry County. NHP data indicate that **the closest known occurrence of MYGR is approximately 91 miles west of the project site**. In September 2019, a gray bat was found roosting in a bridge in Surry County 10 miles north of the project (*personal correspondence*). As of this writing, the Surry County occurrence is not yet reflected in the NHP Biotics Database.

On May 30, 2018, NCDOT biologists assessed bridge No. 103 for potential bat habitat. No crevices suitable for roosting were present on the structure. No evidence (bats, staining, and guano) of bats was observed. No caves or mines are located within the project footprint or within line of sight of the bridge. Based on the lack of evidence of bats, and the lack of caves or mines in the project vicinity NCDOT recommends a Biological Conclusion of ***NO EFFECT*** for gray bats.

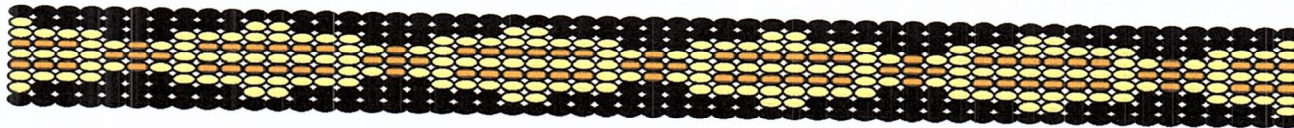
Final design, tree clearing, and percussive activities information will be provided in the permit application.

If you need any additional information, please contact Melissa Miller at 919-707-6127.



Catawba Indian Nation  
Tribal Historic Preservation Office  
1536 Tom Steven Road  
Rock Hill, South Carolina 29730

Office 803-328-2427  
Fax 803-328-5791



October 4, 2019

Attention: Philip S. Harris  
NC Department of Transportation  
1598 Mail Service Center  
Raleigh, NC 27699

Re. THPO #	TCNS #	Project Description
2019-193-36		Replacement of Bridge No. 103 over Mitchell River on NC 268 in Surry Co. BR-0048

Dear Mr. Harris,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Rogers at 803-328-2427 ext. 226, or e-mail [caitlinh@ccppcrafts.com](mailto:caitlinh@ccppcrafts.com).

Sincerely,

Wenonah G. Haire  
Tribal Historic Preservation Officer