



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.

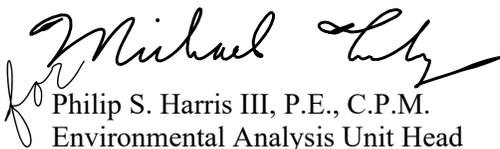
As a result of replacing the existing bridge, there will be 12 linear feet of stream bank stabilization at the outlet of a new ditch, and 0.12 acre of temporary stream impacts from causeways needed for removal of the existing bridge and construction of the new one.

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 NW 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 #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

3.29MB

File type must be pdf

## 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* <i>Average (feet)</i>	3h. Impact length* <i>(linear feet)</i>
S1	Causeway	Temporary	Workpad/Causeway	Mitchell River	Perennial	Both	75 <i>Average (feet)</i>	62 <i>(linear feet)</i>
S2	Causeway	Temporary	Workpad/Causeway	Mitchell River	Perennial	Both	75 <i>Average (feet)</i>	130 <i>(linear feet)</i>
S3	Bank Stabilization	Permanent	Bank Stabilization	Mitchell River	Perennial	Both	75 <i>Average (feet)</i>	12 <i>(linear feet)</i>

\*\* 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 \***



**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 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-5886B).	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-5886B).	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/JONSTON 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 RIVER/OVERFLOW 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**

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

**Project Description**

<b>Project Length (lin. miles or feet):</b>	0.26	<b>Surrounding Land Use:</b>	Rural
	<b>Proposed Project</b>		<b>Existing Site</b>
<b>Project Built-Upon Area (ac.)</b>	1.5	ac.	1.5 ac.
<b>Typical Cross Section Description:</b>	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)
<b>Annual Avg Daily Traffic (veh/hr/day):</b>	<b>Design/Future:</b> 3720	<b>Year:</b> 2040	<b>Existing:</b> 3520 <b>Year:</b> 2020
<b>General Project Narrative: (Description of Minimization of Water Quality Impacts)</b>	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**

<b>Surface Water Body (1):</b>	Mitchell River	<b>NCDWR Stream Index No.:</b>	12.62-(12.5)
<b>NCDWR Surface Water Classification for Water Body</b>	<b>Primary Classification:</b>	Class C	
	<b>Supplemental Classification:</b>		
<b>Other Stream Classification:</b>	None		
<b>Impairments:</b>	None		
<b>Aquatic T&amp;E Species?</b>	No	<b>Comments:</b>	
<b>NRTR Stream ID:</b>	12-62-(12.5)	<b>Buffer Rules in Effect:</b>	N/A
<b>Project Includes Bridge Spanning Water Body?</b>	No	<b>Deck Drains Discharge Over Buffer?</b>	No
<b>Deck Drains Discharge Over Water Body?</b>	No	<b>Dissipator Pads Provided in Buffer?</b>	N/A
(If yes, provide justification in the General Project Narrative)	(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, describe in the General Project Narrative; if no, justify in the General Project Narrative)

09/08/19

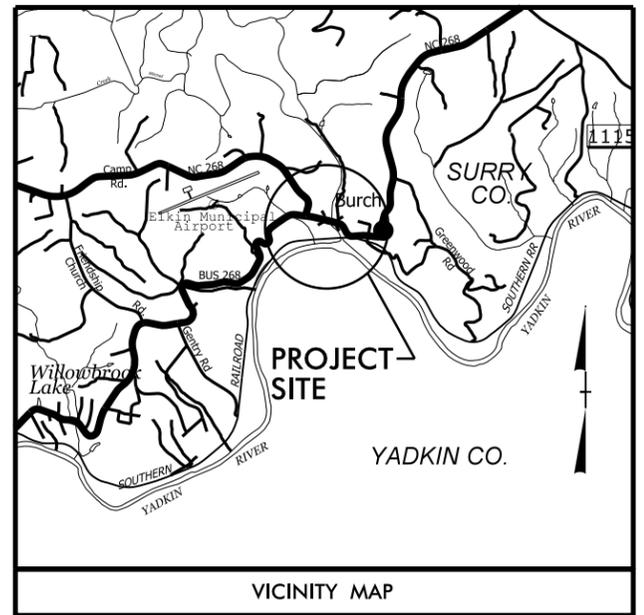
See Sheet 1A For Index of Sheets  
See Sheet 1B For Symbology Sheet

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

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		RW	
49079.3.1		CONST	

TIP PROJECT: BR-0048

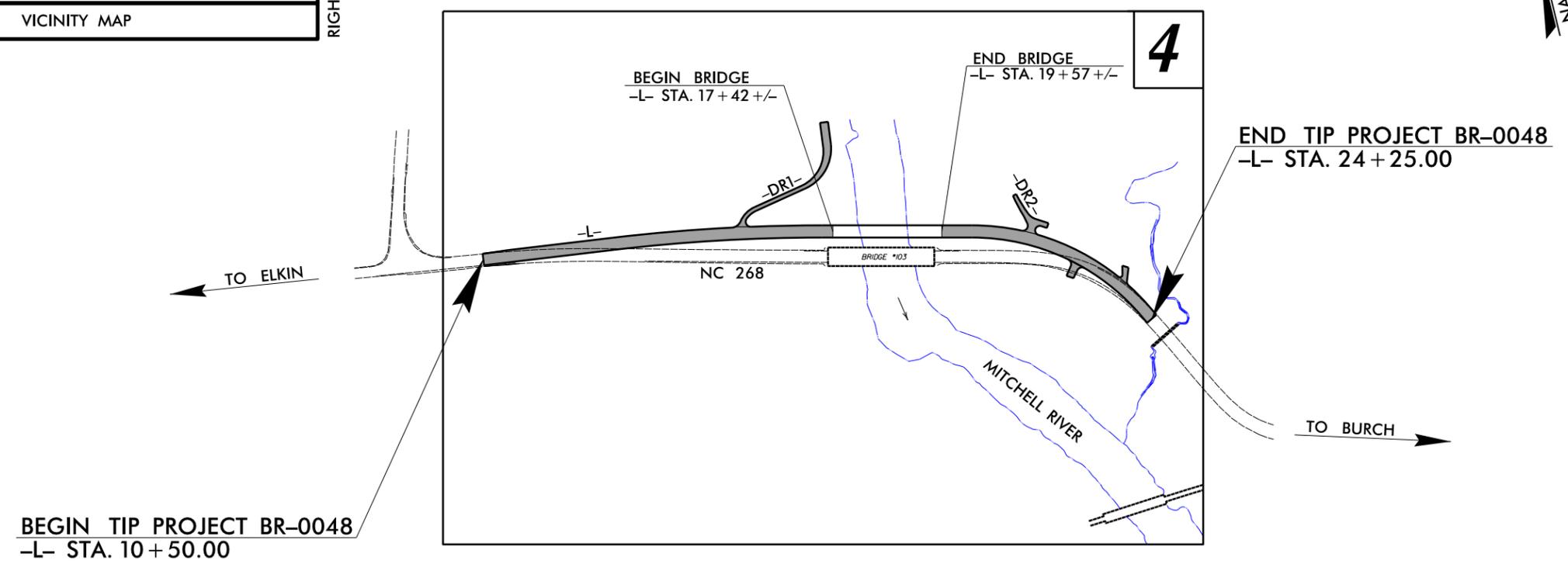
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**LOCATION: BRIDGE #103 ON NC 268  
OVER MITCHELL RIVER**

**TYPE OF WORK: GRADING, PAVING, DRAINAGE  
AND STRUCTURE**

**WETLAND AND SURFACE WATER IMPACTS PERMIT**



**PERMIT DRAWING  
SHEET 1 OF 7**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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

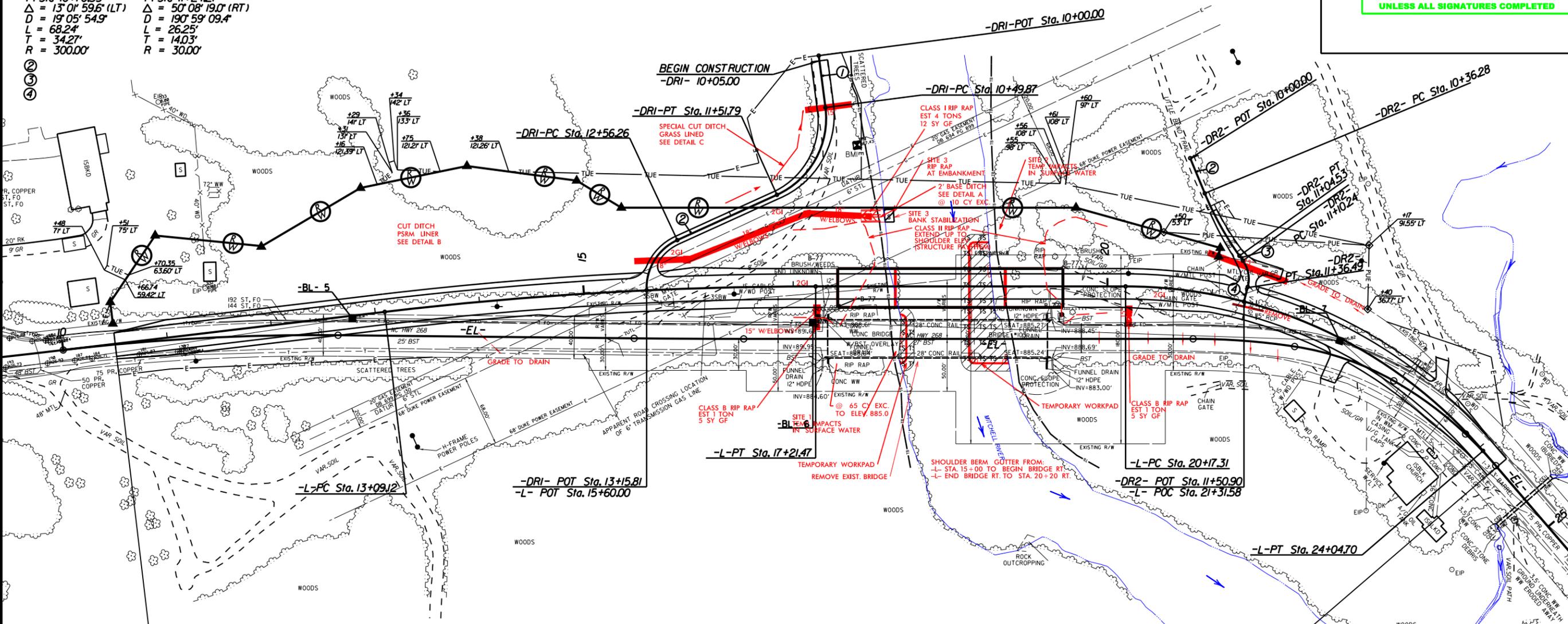
<p><b>GRAPHIC SCALES</b></p> <p>50 25 0 50 100 PLANS</p> <p>50 25 0 50 100 PROFILE (HORIZONTAL)</p> <p>10 5 0 10 20 PROFILE (VERTICAL)</p>	<p><b>DESIGN DATA</b></p> <p>ADT 2020 = 3,520 ADT 2040 = 3,720 K = 10 % D = 60 % T = 10 % * V = 60 MPH * TTST = 5% DUAL 5% FUNC CLASS = RURAL COLLECTOR REGIONAL TIER</p>	<p><b>PROJECT LENGTH</b></p> <p>LENGTH ROADWAY TIP PROJECT BR-0048 = 0.219 MILES</p> <p>LENGTH STRUCTURES TIP PROJECT BR-0048 = 0.041 MILES</p> <p>TOTAL LENGTH TIP PROJECT BR-0048 = 0.260 MILES</p>	<p>Prepared in the Office of: <b>DIVISION OF HIGHWAYS</b> 1000 Birch Ridge Dr., Raleigh NC, 27610</p> <p>2018 STANDARD SPECIFICATIONS</p> <p>RIGHT OF WAY DATE: DECEMBER 4, 2019</p> <p>LETTING DATE: JUNE 15, 2021</p> <p>A. KEITH PASCHAL, PE PROJECT MANAGER</p> <p>TATIA L. WHITE, PE, PLS</p> <p>SHERRI E. CALHOUN, PE PROJECT TEAM LEAD</p>	<p>HYDRAULICS ENGINEER</p> <p>SIGNATURE: _____ P.E.</p> <p>ROADWAY DESIGN ENGINEER</p> <p>SIGNATURE: _____ P.E.</p>	
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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			

-L-		-DRI-	
PI Sta 15+15.53 Δ = 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 Δ = 49' 19" 28.2" (RT) D = 12' 43" 56.6" L = 387.39' T = 206.62' R = 450.00' SE = 0.06 RO = 162' DS = 35 MPH	PI Sta 12+90.14 Δ = 68' 14" 50.7" (LT) D = 114' 35" 29.6" L = 59.56' T = 33.88' R = 50.00'	PI Sta 11+09.06 Δ = 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 Δ = 13' 01" 59.6" (LT) D = 19' 05" 54.9" L = 68.24' T = 34.27' R = 300.00'	PI Sta 11+24.27 Δ = 50' 08" 19.0" (RT) D = 190' 59" 09.4" L = 26.25' T = 14.03' R = 30.00'



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

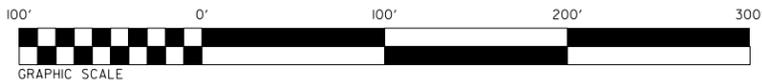
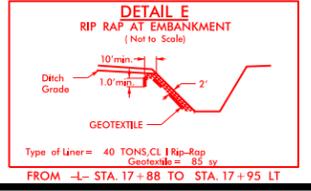
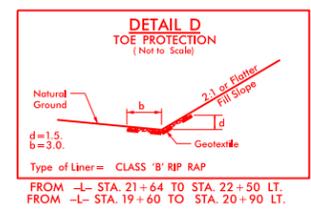
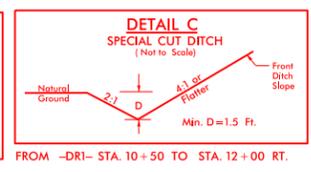
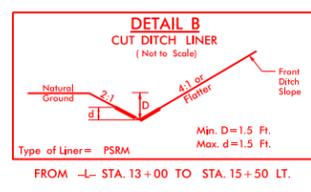
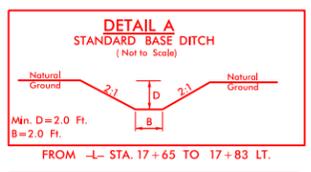
**WETLAND AND SURFACE WATER IMPACTS PERMIT**

PERMIT DRAWING  
SHEET 2 OF 7

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

DENOTES TEMPORARY IMPACTS IN SURFACE WATER  
 DENOTES IMPACTS IN SURFACE WATER

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



REVISIONS

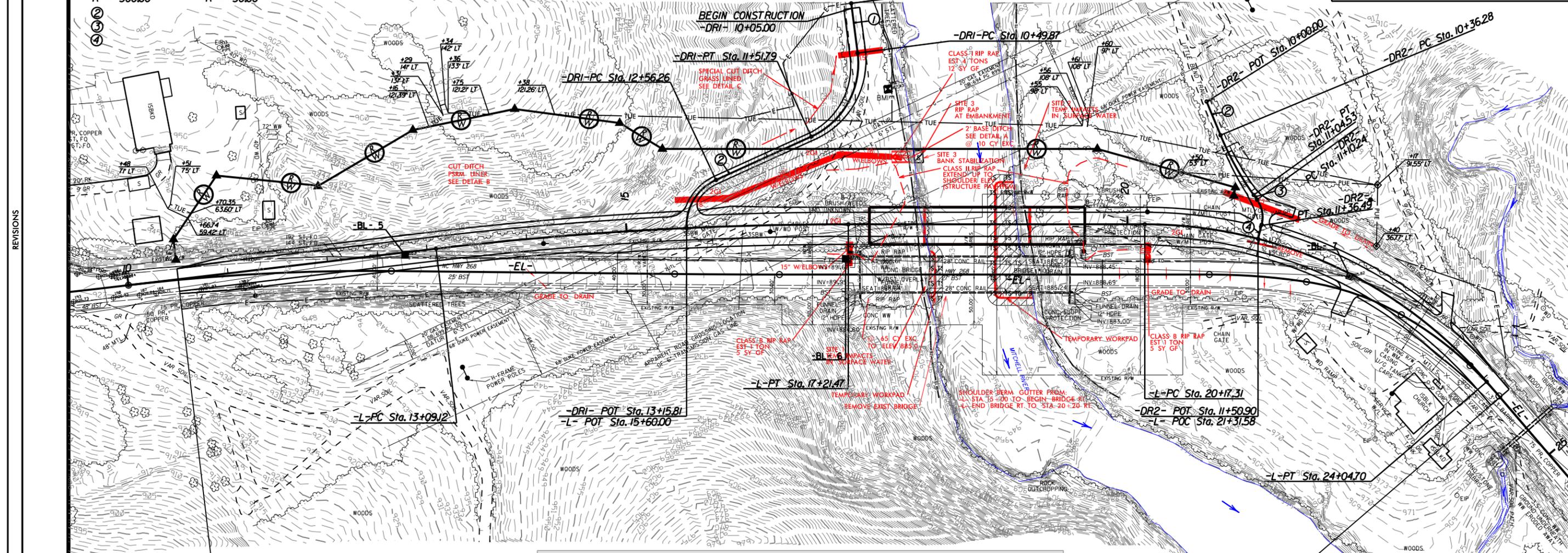
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PROJECT REFERENCE NO.	SHEET NO.
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION	
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**BEGIN TIP PROJECT BR-0048**  
-L- STA. 10 + 50.00

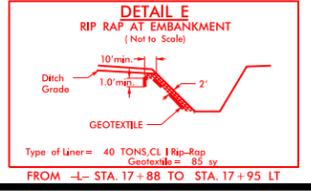
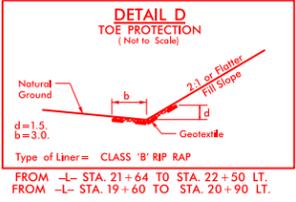
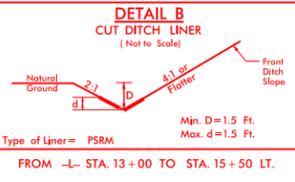
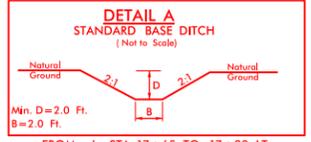
**WETLAND AND SURFACE WATER IMPACTS PERMIT**

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

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



REVISIONS

8/17/99

SYTIME DESIGN

5/14/99

PROJECT REFERENCE NO. SHEET NO.

# WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING  
SHEET 4 OF 7

DIAGONAL HATCHING DENOTES TEMPORARY IMPACTS IN SURFACE WATER

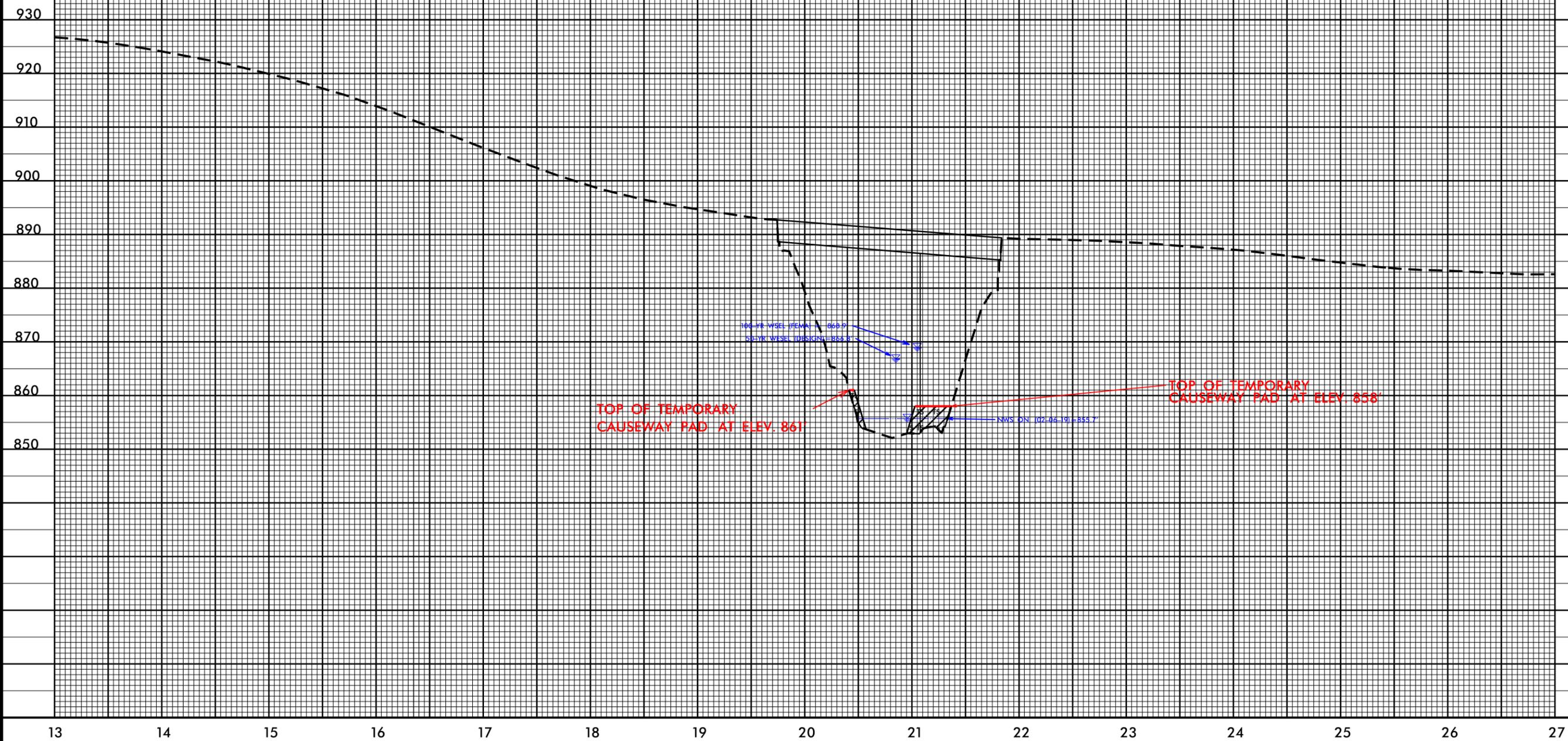
ONLY ONE WORKPAD CAN BE PLACED AT A TIME TO MAINTAIN 50% OF THE RIVER WIDTH

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

INCOMPLETE PLANS  
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SYSTEMS ENGINEERING

5/14/99

PROJECT REFERENCE NO. SHEET NO.

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

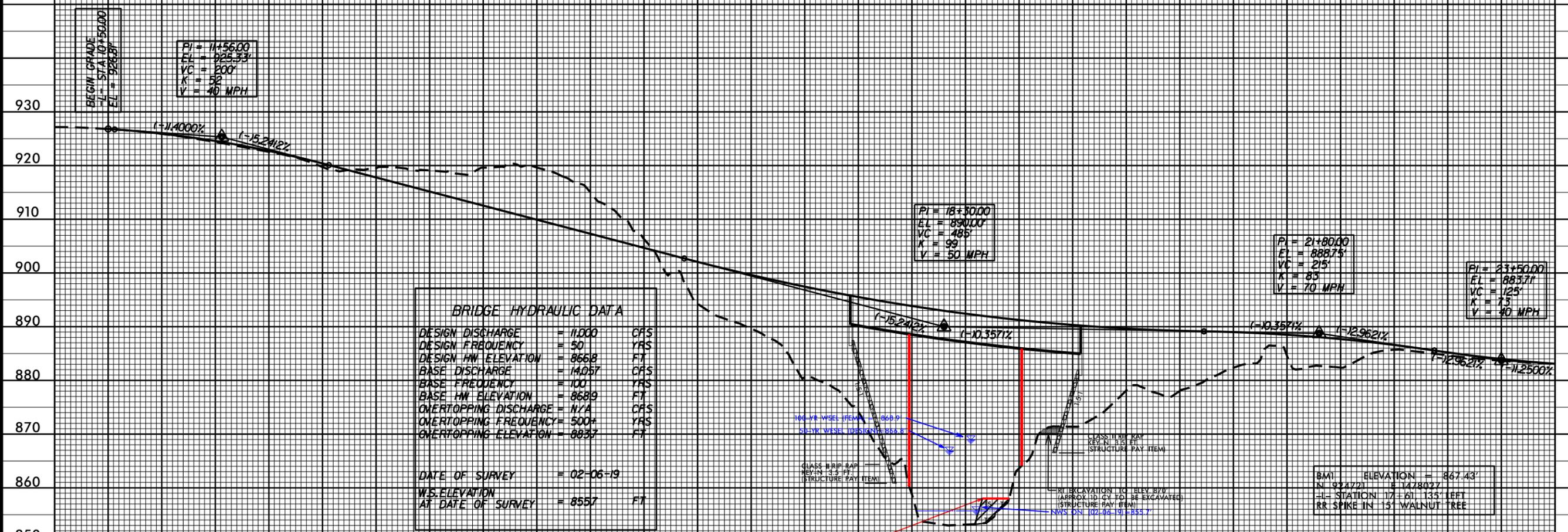
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

# WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING SHEET 5 OF 7

////// DENOTES TEMPORARY IMPACTS IN SURFACE WATER



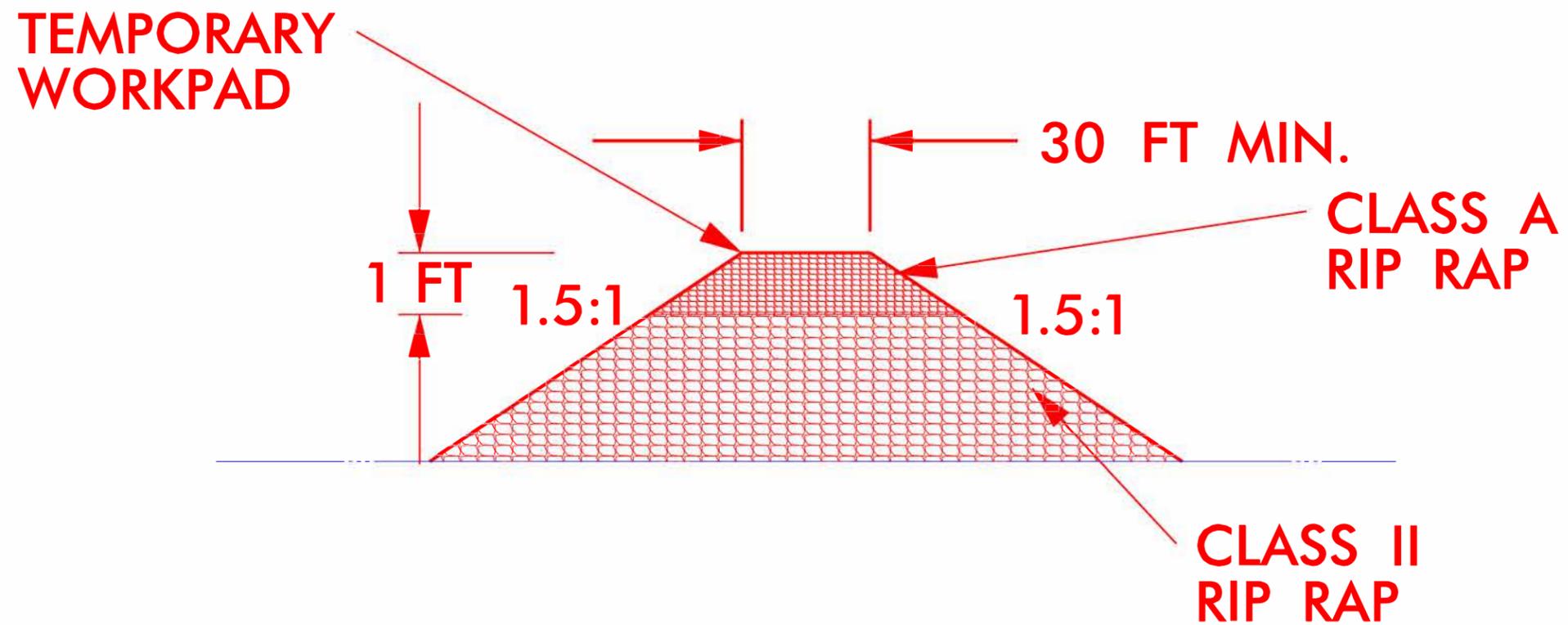
BRIDGE HYDRAULIC DATA		
DESIGN DISCHARGE	= 11,000	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 866.8	FT
BASE DISCHARGE	= 14,057	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 868.9	FT
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 883.7	FT
DATE OF SURVEY = 02-06-19		
W.S. ELEVATION AT DATE OF SURVEY	= 855.7	FT

TOP OF TEMPORARY CAUSEWAY PAD AT ELEV. 858'

SYSTEMS TIME 5/14/99 10:00 AM

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

# 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 Bank Stabilization						< 0.01		12		
<b>TOTALS*:</b>								< 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.

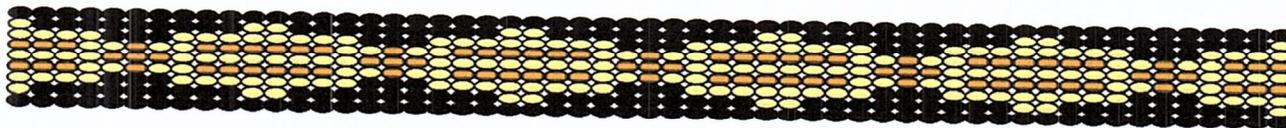
On May 30, 2018, NCDOT biologists assessed bridge No. 103 for potential bat habitat. No crevices suitable for roosting were present on the structure. No evidence (bats, staining, and guano) of bats was observed. No caves or mines are located within the project footprint or within line of sight of the 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