



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

January 11, 2021

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

ATTN: Ms. Lori Beckwith  
NCDOT Coordinator

Subject: **Application for Section 404 Nationwide Permit 14, and 401 Water Quality Certification** for the proposed Replacement of Bridge No. 960004 on SR 2418 (South Windy Gap Road) over Little Hunting Creek, Wilkes County, North Carolina, Division 11, TIP No. BR-0108. Debit \$570 from WBS 49216.1.1

Dear Ms. Beckwith:

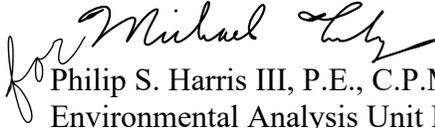
The North Carolina Department of Transportation (NCDOT) proposes to replace bridge number 960004 on SR 2418 over Little Hunting Creek in Wilkes County on the existing alignment with a 1@70' span 24" cored slab bridge. The drainage design consists of grated inlet at the low side of bridge to the proposed lateral ditch. Existing drainage patterns have been maintained. No direct discharge occurs in Little Hunting Creek. An offsite detour will be utilized for this project. The replacement with a taller and wider bridge results in the need to have wider roadway approaches. This widening will require the relocation of 144 lf of a parallel UT to Little Hunting Creek. This action will result in 144 lf of permanent impacts to streams from roadway fill, 13 lf of bank stabilization, and 0.03 ac of temporary impacts to streams from causeways for bridge construction/demolition. Mitigation for the permanent stream impacts will be provided by the North Carolina Division of Mitigation Services (NCDMS).

Please see enclosed copies of the Pre-Construction Notification (PCN), NCDMS Acceptance Letter, Stormwater Management Plan, and Permit Drawings. A Categorical Exclusion (CE) was completed in January 2020 and distributed shortly thereafter. Additional copies are available upon request.

This project calls for a letting date of July 20, 2021 and a review date of June 1, 2021.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at: <https://xfer.services.ncdot.gov/pdea/PermApps/>. If you have any questions or need additional information, please contact Jeff Hemphill at (919) 707-6126.

Sincerely,

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

cc:

NCDOT Permit Application Standard Distribution List



## Pre-Construction Notification (PCN) Form

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

October 26, 2020 Ver 3.3

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: \*

Wilkes

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-0108

WBS # \*

49216.1.1

(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)

Has this PCN previously been submitted? \*

Yes

No

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

### Pre-Filing Meeting Information

Before submitting this form please ensure you have submitted the Pre-Filing Meeting Request Form as we will not be able to accept your application without this important first step. The Pre-Filing Meeting Request Form is used in accordance with 40 C.F.R. Section 121.4(a) "At least 30 days prior to submitting a certification request, the project proponent shall request a pre-filing meeting with the certifying agency" and in accordance with 40 C.F.R. Section 121.5(b)(7), and (c)(5) all certification requests shall include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request. Click [here](#) to read more information on when this form is needed prior to application submission or [here](#) to view the form.

**ID#**

20201519

**Version**

1

**Pre-filing Meeting or Request Date \***

9/28/2020

**Attach documentation of Pre-Filing Meeting Request here: \***

BR-0108 401 Pre-Filing Notification (Mass 12 MLL Request) 2020-09-28.pdf

417.96KB

**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

BR-0108 DMS ACCEPTANCE LETTER.pdf

457.58KB

FILETYPE 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: \***

jhemphill@ncdot.gov

**1c. Primary Contact Phone: \***

(xxx)xxx-xxxx  
(919)707-6126

**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: \***

N/A

**2b. Deed book and page no.:**

**2c. Responsible party:**

(for Corporations)

**2d. Address \***

Street Address

N/A

Address Line 2

City

N/A

Postal / Zip Code

N/A

State / Province / Region

N/A

Country

N/A

**2e. Telephone Number: \***

(xxx)xxx-xxxx  
(919)707-7050

**2f. Fax Number:**

(xxx)xxx-xxxx

**2g. Email Address: \***

pharris@ncdot.gov

**3. Applicant Information (if different from owner)**

**3a. Name: \***

NCDOT

**3b. Business Name:**

(if applicable)

**3c. Address \***

Street Address

1598 Mail Service Center

Address Line 2

City

Raleigh

Postal / Zip Code

27699-1598

State / Province / Region

NC

Country

N/A

**3d. Telephone Number: \***

(919)707-6110  
(xxx)xxx-xxxx

**3e. Fax Number:**

(xxx)xxx-xxxx

**3f. Email Address: \***

pharris@ncdot.gov

**C. Project Information and Prior Project History**

**1. Project Information**

**1a. Name of project: \***

Replacement of Bridge No. 960004 on SR 2418 (South Windy Gap Road) over Little Hunting Creek

**1b. Subdivision name:**

(if appropriate)

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

Windy Gap

**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

Postal / Zip Code

State / Province / Region

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: \***

36.10918  
ex: 34.208504

**Longitude: \***

-80.96814  
-77.796371

**3. Surface Waters**

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

Little Hunting Creek

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

WS III

**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. \***

030401020201

[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: \***

Replacing the existing 1@40'-6" timber deck with vertical timber abutments bridge over Little Hunting Creek. The bridge was constructed in 1960 and reconstructed in 1987. The surrounding land use is agricultural, residential and fragmented forest land.

**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:**

0.60

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

(intermittent and perennial)

1,976

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

NCDOT Structure Management Unit (SMU) records indicate Bridge No. 4 has a sufficiency rating of 48.41 out of a possible 100 for a new structure. The bridge is considered structurally deficient due to insufficient load-carrying capacity and a superstructure condition rating of 4 out of a possible 9. The posted weight restriction (23 tons for single vehicle and 29 tons for a truck/tractor/semitrailer) on Bridge No. 4 prohibits large or heavy vehicles, typically used in transporting agricultural and manufactured products, from using the bridge. Vehicles above the posted weight must detour approximately 1.3 miles to avoid the bridge. Replacing the existing bridge will eliminate posted weight limits by providing a safe crossing for all legal loads and will make accommodations for broadband installation in order to support economic competitiveness.

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

The North Carolina Department of Transportation (NCDOT) proposes to replace Bridge No. 4 on South Windy Gap Road (S.R. 2418) over Little Hunting Creek in Wilkes County. The bridge will be replaced on the existing alignment while detouring traffic offsite during construction. Bridge No. 4 was originally built in 1960 and reconstructed in 1987. The existing structure is 41 feet long with a deck width of 25 feet. The structure is a timber floor on salvaged I-Beams with timber substructure. NCDOT proposes to construct a 70-foot long single span core slab bridge with a deck width of 30 feet. The new structure will include 10-foot lanes and variable width shoulders that average 3-foot, 11-inches. Standard road and bridge 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-0108 Final Permit Drawings.pdf

14.01MB

BR-0108 Permit Application Cover Letter.pdf

354.82KB

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:****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): Nathan Howell

Agency/Consultant Company: Three Oaks Engineering

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.

## 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	Stream Bank Stabilization	Permanent	Bank Stabilization	Little Hunting Creek	Perennial	Both	23 Average (feet)	7 (linear feet)
S2	Stream Bank Stabilization	Temporary	Bank Stabilization	Little Hunting Creek	Perennial	Both	23 Average (feet)	10 (linear feet)
S3	Temporary Construction	Temporary	Workpad/Causeway	Little Hunting Creek	Perennial	Both	23 Average (feet)	92 (linear feet)
S4	Roadway fill	Permanent	Fill	UT to Little Hunting Creek	Perennial	Both	3 Average (feet)	144 (linear feet)
S5	Roadway Fill	Temporary	Fill	UT to Little Hunting Creek	Perennial	Both	3 Average (feet)	14 (linear feet)
S6	Stream Bank Stabilization	Permanent	Bank Stabilization	UT to Little Hunting Creek	Perennial	Both	3 Average (feet)	6 (linear feet)

\*\* 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:

157

3i. Total temporary stream impacts:

116

3i. Total stream and ditch impacts:

273

3j. Comments:

## 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: \*

Temporary construction impacts will be reduced at the bridge site by utilizing an offsite detour. The new bridge will completely span the creek. Existing drainage patterns have been maintained. No direct discharge will occur in the stream.

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

Best Management Practices will be adhered to.

### 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

2c. If yes, mitigation is required by (check all that apply):

DWR  Corps

2d. If yes, which mitigation option(s) will be used for this project?

- Mitigation bank  Payment to in-lieu fee program  Permittee Responsible Mitigation

4. Complete if Making a Payment to In-lieu Fee Program

4a. Approval letter from in-lieu fee program is attached.

- Yes  No

4b. Stream mitigation requested:

(linear feet)

144

4c. If using stream mitigation, what is the stream temperature:

warm

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

4d. Buffer mitigation requested (DWR only):

(square feet)

N/A

4e. Riparian wetland mitigation requested:

(acres)

0

4f. Non-riparian wetland mitigation requested:

(acres)

4g. Coastal (tidal) wetland mitigation requested:

(acres)

4h. Comments

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:

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-0108 CE 01.22.20\_Final-Signed.pdf

304.4KB

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.

The project will not alter travel patterns, reduce travel time, affect access to properties in the area, or open areas for development or redevelopment. Due to its minimal transportation impact-causing activities, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect and cumulative effects study will not be necessary.

## 4. Sewage Disposal (DWR Requirement)

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

Yes  No  N/A

## 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? \*

USFWS Website

This project was evaluated on August 13, 2019. NCDOT biologists assessed Bridge No. 04 for potential northern long-eared bat habitat. No shallow vertical top sealed crevices or deep vertical unsealed crevices suitable for roosting were present on the structure. No evidence (bats, staining, and guano) of bats was observed. Based on the type of bridge and lack of evidence of bats on the bridge, NCDOT recommends a biological conclusion of No Effect for the northern long-eared bat.

On January 9, 2020, NCDOT biologists assessed the bridge project footprint for potential MYGR habitat. No evidence of bats (bats, staining or guano) was observed on this small, timber deck and steel beam bridge. No shallow vertical top sealed crevices or deep vertical unsealed crevices suitable for roosting were present on the structure. No caves or mines are located within the project footprint or within line of sight of the bridge. Therefore, no suitable roosting habitat for MYGR is present. Based on the lack of evidence of bats during the recent bridge inspection and the prior August 13 field visit, the type of bridge (timber and steel) and lack of caves or mines in the project vicinity, the proposed project will have a biological conclusion of No Effect for gray bats.

Consultation Documentation Upload

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

BR-0108 NLEB 4(d) MYGR Wilkes.pdf

270.26KB

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? \*

## 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 letters were distributed on December 16, 2019 to the Eastern Band of Cherokee Indians (EBCI), the Catawba Indian Nation, the Cherokee Nation, and the United Keetoowah Band of Cherokee. Comments on the proposed project were requested by January 17, 2020. NCDOT received responses from the Cherokee Nation and the United Keetoowah Band of Cherokee; however, neither response indicated the presence of any previously unknown resources.

### 7c. Historic or Prehistoric Information Upload

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

BR-0108 HIST ARCH NoSurvey.pdf	5.17MB
BR-0108 ARCHAEOLOGY Wilkes 4 No Survey form (1).pdf	5.17MB

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:**

The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP) to determine status of the project with regard to applicability of NCDOT's Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).

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

FEMA Floodmaps

## Miscellaneous

### Comments

Approximately 0.03 acre of trees will be removed in the project footprint for construction purposes.

**Miscellaneous attachments not previously requested.**

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

File must be PDF or KMZ

## Signature

\*

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

- The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief; and
- 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 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**

1/11/2021



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

September 28, 2020

N.C. Division of Water Quality  
Transportation Permitting Branch  
512 N. Salisbury Street – Archdale Building 12<sup>th</sup> Floor  
Raleigh NC 27604

ATTN: Ms. Amy Chapman, Transportation Permitting Branch Supervisor

Subject: **Request for Pre-filing Meeting, pursuant to Clean Water Act Certification Rule**

Dear Madam:

In accordance with 40 CFR Part 121 of the Clean Water Act Section 401 Certification Rule, effective September 11, 2020, the following documentation is submitted by NCDOT [the project proponent] to serve as a pre-filing notification with the certifying agency, at least 30 days prior to the submission of the 401 Certification Request.

It is anticipated the NCDOT will request a 401 Certification for the projects found on the attached NCDOT 12-month letting list.

NCDOT does not request a meeting for the projects identified. We believe this satisfies the Rule Modification pursuant to 40 CFR Part 121. Please advise if you have any questions or require additional information.

Sincerely,

*Carla Dagnino*

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

# DWR Pre-Filing Notification Response

## 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

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**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  
Environmental Quality

ROY COOPER  
Governor

MICHAEL S. REGAN  
Secretary

TIM BAUMGARTNER  
Director

December 17, 2020

Mr. Philip S. Harris, III, P.E.  
Environmental Analysis Unit  
North Carolina Department of Transportation  
1598 Mail Service Center  
Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: Mitigation Acceptance Letter:

**BR-0108**, Replace Bridge 4 on SR 2418 over Little Hunting Creek, Wilkes County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory stream mitigation for the subject project. Based on the information supplied by you on December 17, 2020, the impacts are located in CU 03040102 of the Yadkin River basin in the Northern Mountains (NM) Eco-Region, and are as follows:

Yadkin 03040102 NM	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	144.0	0	0	0	0	0

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

The impacts and associated mitigation needs were under projected by the NCDOT in the 2020 impact data. DMS will commit to implement sufficient compensatory stream mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

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

Sincerely,

James B. Stanfill  
DMS Asset Management Supervisor

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office  
Ms. Amy Chapman, NCDWR  
File: BR-0108





North Carolina Department of Transportation

Highway Stormwater Program  
**STORMWATER MANAGEMENT PLAN**  
 FOR NCDOT PROJECTS



(Version 2.08; Released April 2018)

**WBS Element:**                      **TIP No.:** BR-0108                      **County(ies):** Wilkes                      **Page** 1 **of** 1

**General Project Information**

<b>WBS Element:</b>		<b>TIP Number:</b> BR-0108	<b>Project Type:</b> Bridge Replacement	<b>Date:</b> 6/18/2020
<b>NCDOT Contact:</b>	Tierre Peterson		<b>Contractor / Designer:</b> Steve Bondor	
<b>Address:</b>	Structures Management Unit 1000 Birch Ridge Drive Raleigh, NC 27610		<b>Address:</b> Dewberry 2610 Wycliff Rd Suite 410 Raleigh, NC 27607	
<b>Phone:</b>	919-707-6488		<b>Phone:</b> 919-636-6334	
<b>Email:</b>	tjpeterson@ncdot.com		<b>Email:</b> sbondor@dewberry.com	
<b>City/Town:</b>		<b>County(ies):</b> Wilkes		
<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>	0.097 Miles	<b>Surrounding Land Use:</b>	Rural Agricultural	
	<b>Proposed Project</b>		<b>Existing Site</b>	
<b>Project Built-Upon Area (ac.)</b>	0.32 ac.		0.35 ac.	
<b>Typical Cross Section Description:</b>	10' travel lanes. 20' clear roadway with 0.02 cross slope normal crown.		0.02 normal cross slope with 10' travel lanes.	
<b>Annual Avg Daily Traffic (veh/hr/day):</b>	<b>Design/Future:</b> 240	<b>Year:</b> 2045	<b>Existing:</b> 120	<b>Year:</b> 2020
<b>General Project Narrative: (Description of Minimization of Water Quality Impacts)</b>	Replacing the existing 1@40'-6" timber deck with vertical timber abutments bridge with a 1@70' span 24" cored slab bridge. The drainage design consist of grated inlet at low side of bridge to poporsed lateral ditch to stream channel. Existing drainage patterns have been maintained. No direct discharge occur in the stream.			

**Waterbody Information**

<b>Surface Water Body (1):</b>	Little Hunting Creek		<b>NCDWR Stream Index No.:</b>	12-108-16-2	
<b>NCDWR Surface Water Classification for Water Body</b>	<b>Primary Classification:</b>		Water Supply III (WS-III)		
	<b>Supplemental Classification:</b>				
<b>Other Stream Classification:</b>					
<b>Impairments:</b>					
<b>Aquatic T&amp;E Species?</b>	Comments:				
<b>NRTR Stream ID:</b>			<b>Buffer Rules in Effect:</b>	N/A	
<b>Project Includes Bridge Spanning Water Body?</b>	Yes	<b>Deck Drains Discharge Over Buffer?</b>	No	<b>Dissipator Pads Provided in Buffer?</b>	N/A
<b>Deck Drains Discharge Over Water Body?</b>	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)					

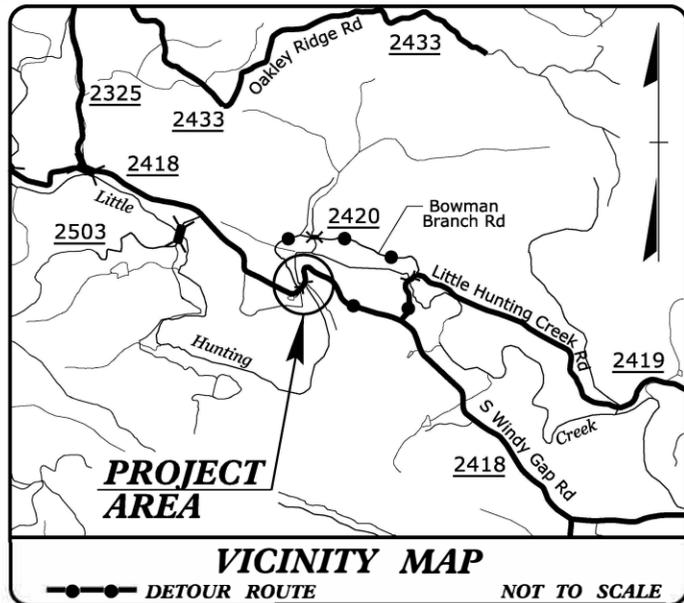
See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Symbols

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

PERMIT DRAWING  
SHEET 1 OF 5

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0108	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49216.1.1		PE	
49216.2.1		RW, UTIL.	

TIP PROJECT: BR-0108



**WILKES COUNTY**

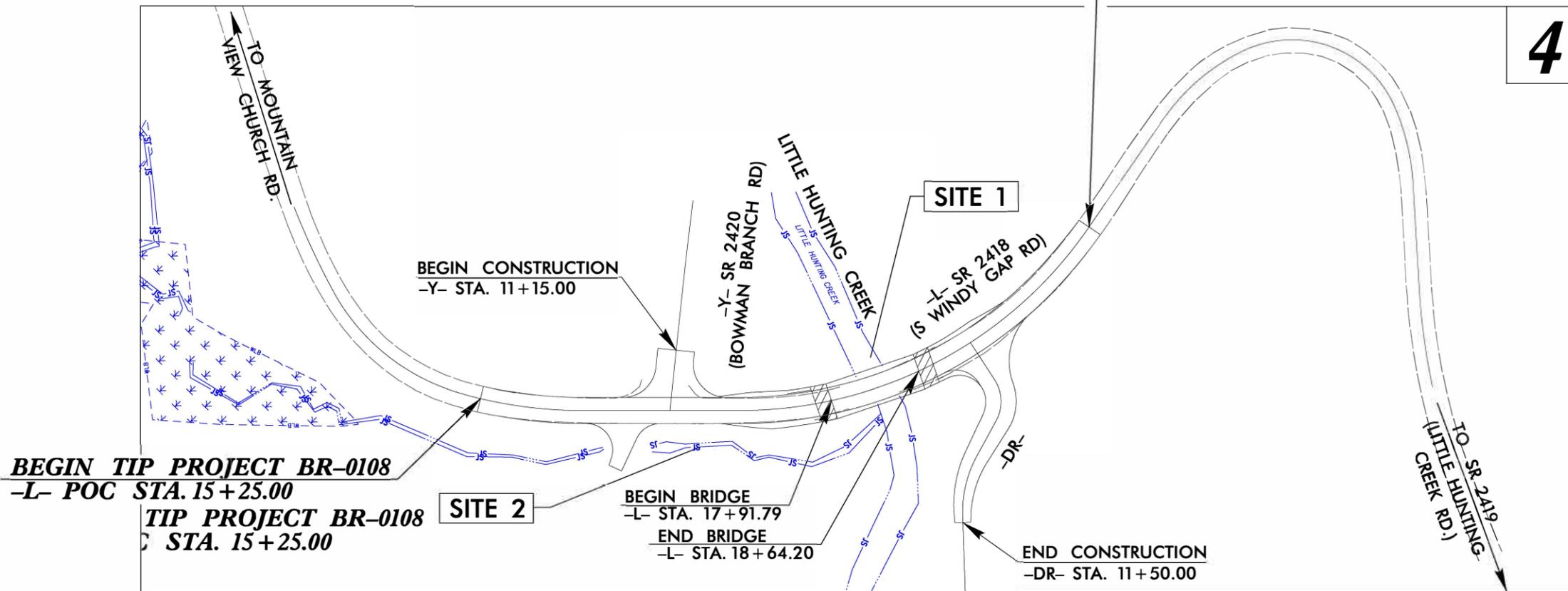
**LOCATION: REPLACE BRIDGE NO. 4 ON SR 2418 (SOUTH WINDY GAP ROAD) OVER LITTLE HUNTING CREEK**

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

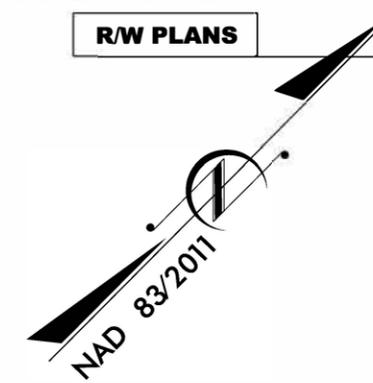
**SURFACE WATER IMPACTS PERMIT**

R/W PLANS

**END TIP PROJECT BR-0108**  
**-L- POT STA. 20+35.00**



4

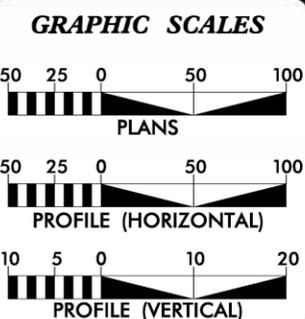


THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.  
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

DESIGN EXCEPTION FOR DESIGN SPEED OF 30 MPH AND STOPPING SIGHT DISTANCE OF 20 MPH.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

CONTRACT:



**DESIGN DATA**

ADT 2020 = 120  
ADT 2045 = 240  
V = 30 MPH  
FUNC CLASS =  
RURAL LOCAL  
SUB REGIONAL TIER

**PROJECT LENGTH**

LENGTH ROADWAY PROJECT BR-0108 = 0.083 MILES  
LENGTH STRUCTURE PROJECT BR-0108 = 0.014 MILES  
TOTAL LENGTH PROJECT BR-0108 = 0.097 MILES

Plans Prepared By:

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
MARCH 20, 2020

**LETTING DATE:**  
JULY 21, 2020

Plans Prepared For:  
NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
1000 BIRCH RIDGE DRIVE  
RALEIGH, NC 27610

**DAVID STUTTS, PE**  
NCDOT PROJECT ENGINEER

**M. TRAVIS POTTS, PE**  
PROJECT ENGINEER

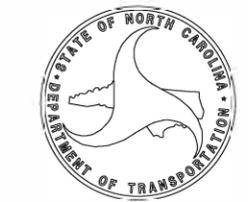
**JUSTIN KUCZYNSKI, PE**  
PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

**ROADWAY DESIGN ENGINEER**

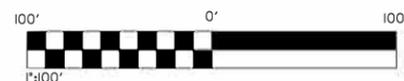
SIGNATURE: \_\_\_\_\_ P.E.



PROJECT REFERENCE NO. <i>BR-0108</i>	SHEET NO. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

**PERMIT DRAWING  
SHEET 2 OF 5**

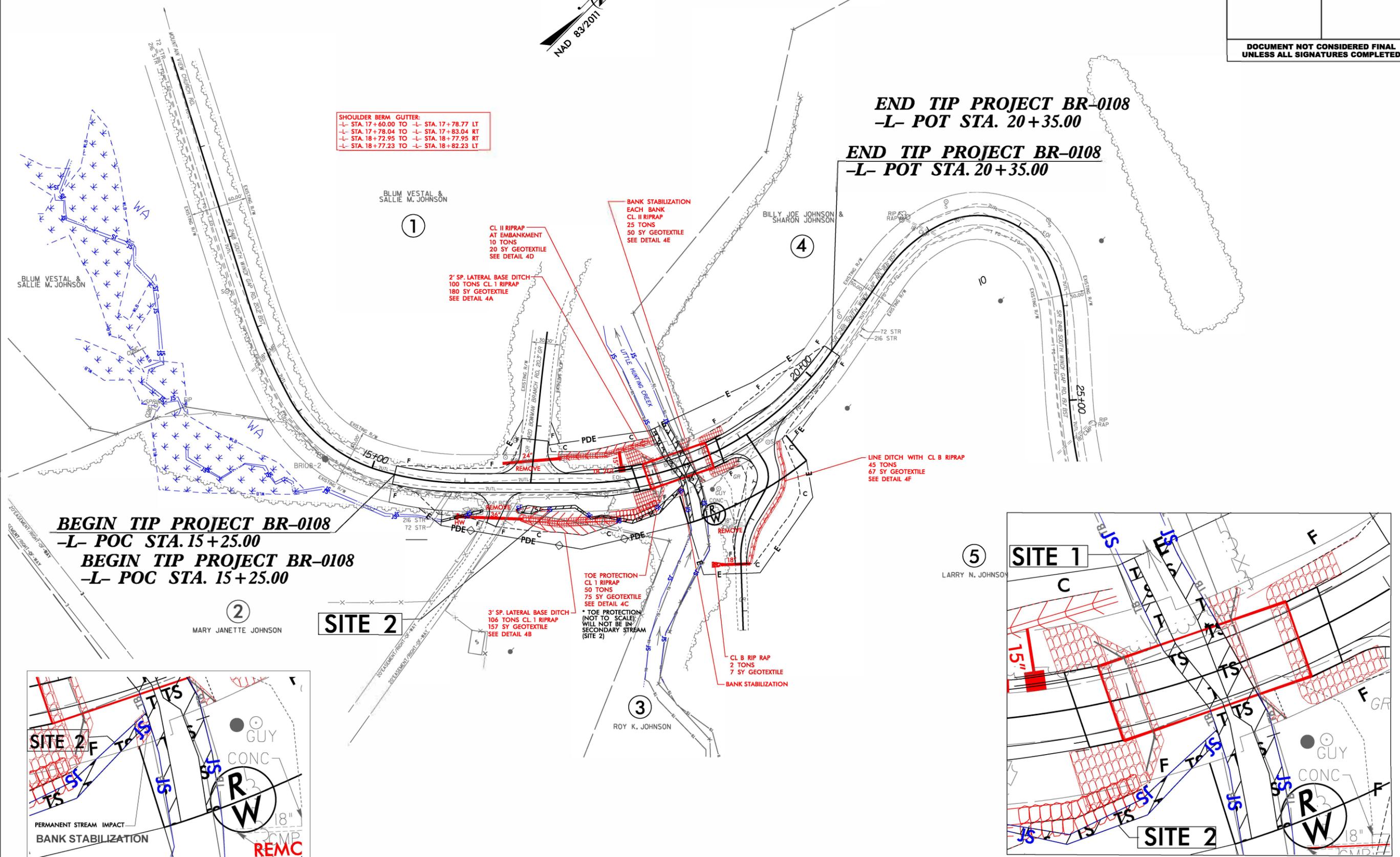
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES IMPACTS IN SURFACE WATER



**END TIP PROJECT BR-0108  
-L- POT STA. 20+35.00**

**END TIP PROJECT BR-0108  
-L- POT STA. 20+35.00**

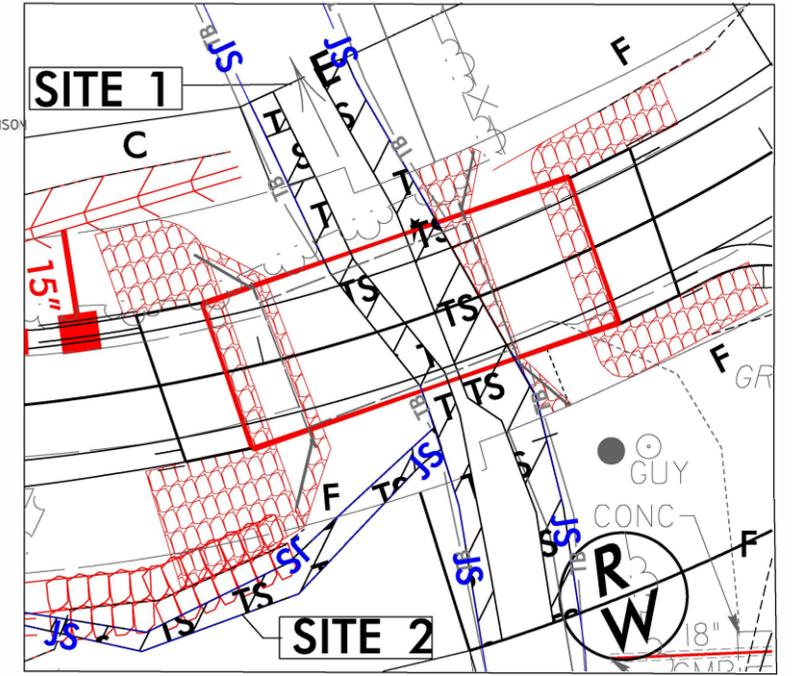
**SHOULDER BERM GUTTER:**  
 -L- STA. 17+60.00 TO -L- STA. 17+78.77 LT  
 -L- STA. 17+78.04 TO -L- STA. 17+83.04 RT  
 -L- STA. 18+72.95 TO -L- STA. 18+77.95 RT  
 -L- STA. 18+77.23 TO -L- STA. 18+82.23 LT



**BEGIN TIP PROJECT BR-0108  
-L- POC STA. 15+25.00**

**BEGIN TIP PROJECT BR-0108  
-L- POC STA. 15+25.00**

**SITE 2**



ENLARGED VIEW

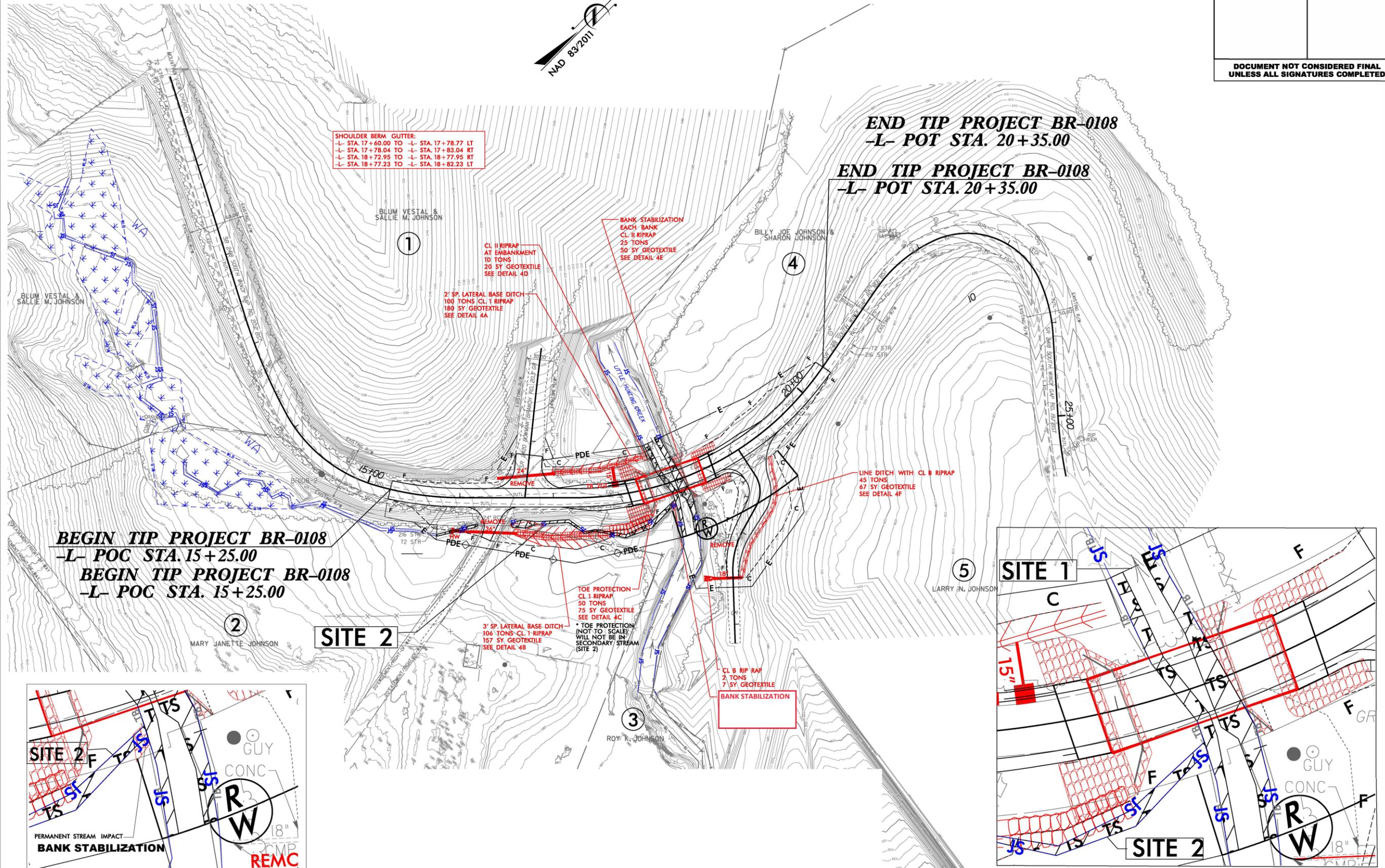
REVISIONS

6/18/2020 DEWBERRY BK-D109 Permit Drawings\_20200618.pdf

PROJECT REFERENCE NO. BR-0108	SHEET NO. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

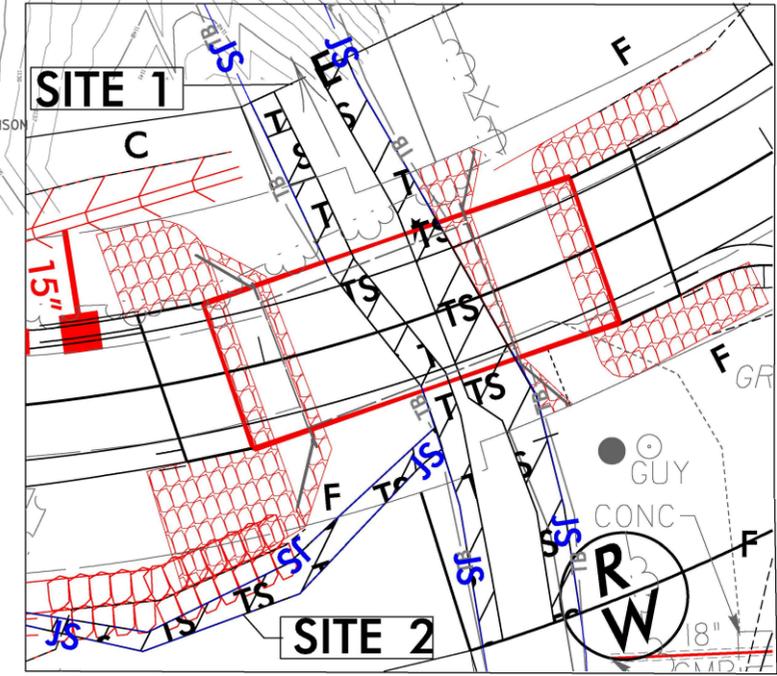
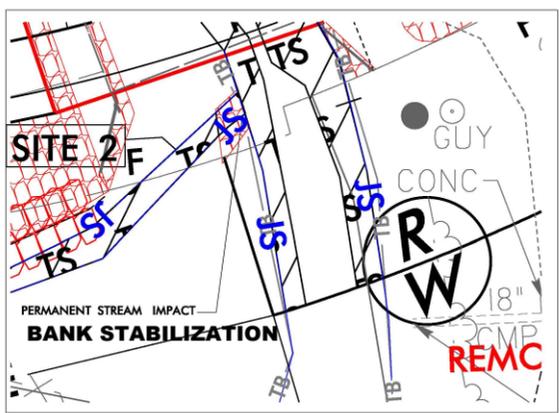
**PERMIT DRAWING  
SHEET 3 OF 5**

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



**BEGIN TIP PROJECT BR-0108**  
-L- POC STA. 15+25.00  
**BEGIN TIP PROJECT BR-0108**  
-L- POC STA. 15+25.00

**END TIP PROJECT BR-0108**  
-L- POT STA. 20+35.00  
**END TIP PROJECT BR-0108**  
-L- POT STA. 20+35.00



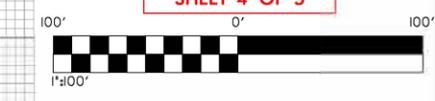
ENLARGED VIEW

REVISIONS

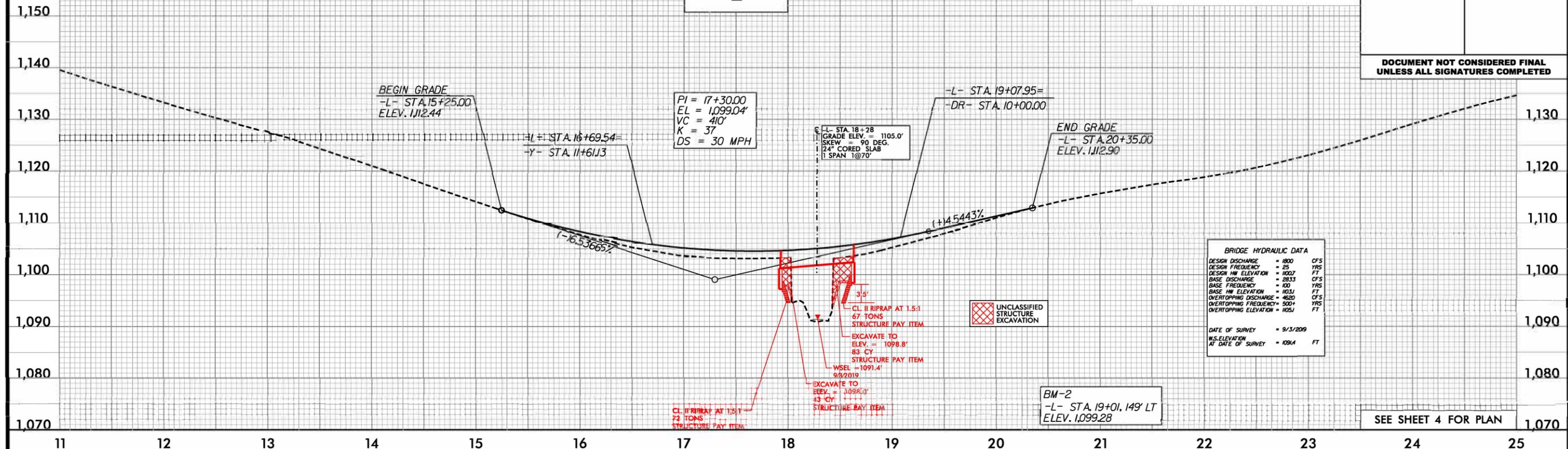
6/18/2020  
DEWBERRY  
BK-D109 Permit Drawings\_20200618.pdf

5/28/99

PERMIT DRAWING  
SHEET 4 OF 5



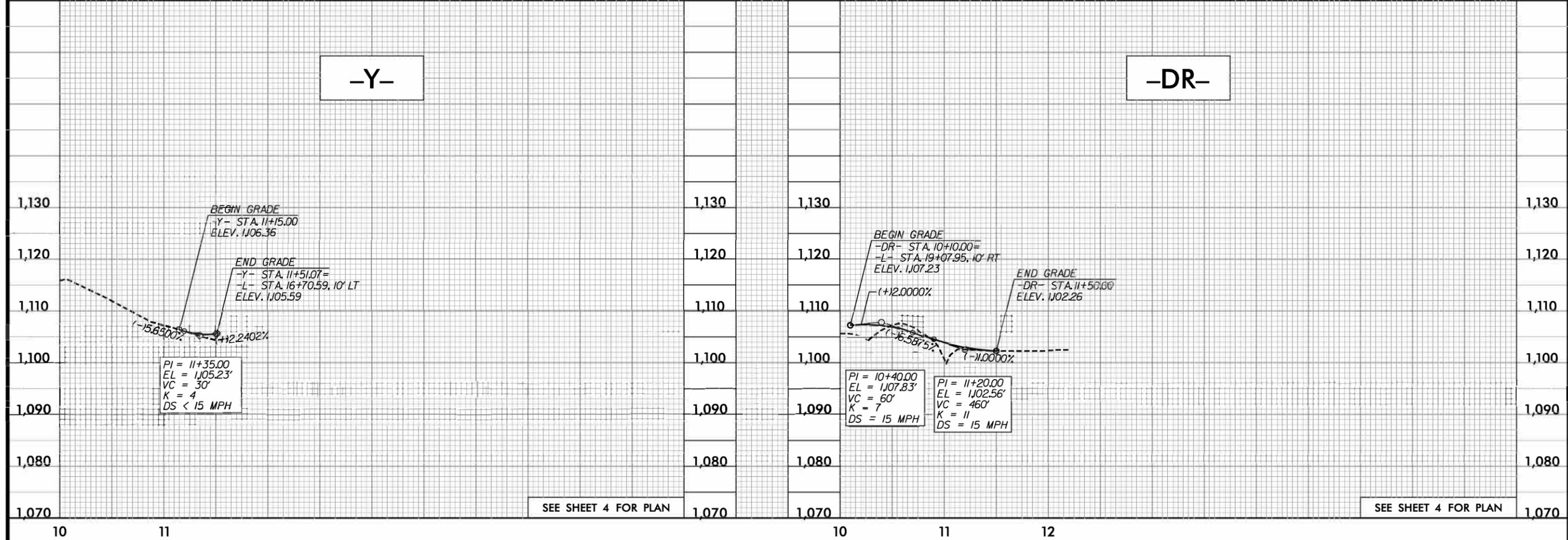
PROJECT REFERENCE NO. <i>BR-0108</i>	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 1800 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 100.7 FT
BASE DISCHARGE	= 2833 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 103.1 FT
OVERTOPPING DISCHARGE	= 4620 CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 105.1 FT
DATE OF SURVEY	= 9/3/2009
HW ELEVATION AT DATE OF SURVEY	= 109.4 FT

**-Y-**

**-DR-**



SEE SHEET 4 FOR PLAN

SEE SHEET 4 FOR PLAN

6/17/2020  
DEWBERRY  
BR-0108 PERMIT DRAWINGS\_2020617.PDF

**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+08 TO 18+16 LT	BANK STABILIZATION						0.01	< 0.01	7	10	
1	-L- 18+12 LT TO 18+45 RT	IMPERVIOUS DIKES							0.03		92	
2	-L- 15+75 TO 18+22 RT	ROADWAY FILL/36" PIPE						0.01	< 0.01	144	14	
2	-L- 18+22 TO 18+27 RT	BANK STABILIZATION						< 0.01		6		
<b>TOTALS*:</b>								0.02	0.03	157	116	0

\*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 12/10/2020  
 WILKES  
 BR-0108  
 SHEET 5 OF 5



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

January 14, 2020

TO: Michael Turchy, ECAP Western regional Team Lead  
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. 04 over Little Hunting Creek on SR 2418 in Wilkes County, **TIP No. BR-0108**.

The North Carolina Department of Transportation (NCDOT, Division 11) proposes to replace Bridge No. 04 over Little Hunting Creek on SR 2418 in Wilkes County, TIP No. BR-0108. The existing bridge is a single span structure with steel beams, timber deck and end walls, and metal guard rails. The overall length of the structure is 41 feet.

Northern long-eared bat

The project to replace Bridge No. 04 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 January 14, 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 "current" in Wilkes County. USFWS also established a final rule under the authority of section 4(d) of the Endangered Species Act that provides measures for the conservation of NLEB. The USFWS has tailored the final 4(d) rule to prohibit the take of NLEB from certain activities within areas where they are in decline. This incidental take protection applies only to known NLEB occupied maternity roost trees and known NLEB hibernacula. Effective February 16, 2016, incidental take resulting from tree removal is prohibited if it 1) occurs within a ¼ mile radius of known NLEB hibernacula; or 2) cuts or destroys known occupied maternity roost trees or any other trees within a 150-foot radius from the known maternity tree during the pup season (June 1-July 31).

According to the North Carolina Natural Heritage Program (NHP) Biotics Database, most recently updated October 2019, **the nearest NLEB hibernacula record is 46 miles west 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.

For the proposed action, NCDOT has committed to the conservation measures listed below:

- 1) No alterations of a known hibernacula entrance or interior environment if it impairs an essential behavioral pattern, including sheltering northern long-eared bats (January 1 through December 31);
- 2) No tree removal within a 0.25-mile radius of a known hibernacula (January 1 through December 31); and
- 3) No cutting or destroying a known, occupied maternity roost tree, or any other trees within a 150-foot radius from the known, occupied maternity tree during the period from June 1 through and including July 31.

**NCDOT has determined that the proposed action does not require separate consultation on the grounds that the proposed action is consistent with the final Section 4(d) rule**, codified at 50 C.F.R. § 17.40(o) and effective February 16, 2016. NCDOT may presume its determination is informed by best available information and consider Section 7 responsibilities fulfilled for NLEB.

*This project was originally state funded and was therefore evaluated on August 13, 2019. NCDOT biologists assessed Bridge No. 04 for potential northern long-eared bat habitat. No shallow vertical top sealed crevices or deep vertical unsealed crevices suitable for roosting were present on the structure. No evidence (bats, staining, and guano) of bats was observed. Based on the type of bridge and lack of evidence of bats on the bridge, NCDOT recommends a biological conclusion of **No Effect** for the northern long-eared bat.*

#### Gray Bat

The project to replace Bridge No. 04 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 Wilkes County webpage (accessed January 14, 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 “probable/potential” in Wilkes County.

According to the North Carolina Natural Heritage Program (NHP) Biotics Database, most recently updated in October 2019, MYGR have not been documented in Wilkes County. NHP data indicate that **the closest known occurrence of MYGR is approximately 78 miles west of the project site.** In September 2019, a gray bat was found roosting in a bridge in Surry County 26 miles east of the project (*personal correspondence*). As of this writing, the Surry County occurrence is not yet reflected in the NHP Biotics Database.

On November 13, 2019 the gray bat was added as a listed species potentially occurring in Wilkes County. This listing occurred after the survey window for bats (May 15-August 15) had closed. On January 9, 2020, NCDOT biologists assessed the bridge project footprint for potential MYGR habitat. No evidence of bats (bats, staining or guano) was observed on this small, timber deck and steel beam bridge. No shallow vertical top sealed crevices or deep vertical unsealed crevices suitable for roosting were present on the structure. No caves or mines are located within the project footprint or within line of sight of the bridge. Therefore, no suitable roosting habitat for MYGR is present. Based on the lack of evidence of bats during the recent bridge inspection and the prior August 13 field visit, the type of bridge (timber and steel) and lack of caves or mines in the project vicinity, the proposed project will have a biological conclusion of ***No Effect*** for gray bats.

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

19-08-0009



## HISTORIC ARCHITECTURE AND LANDSCAPES NO SURVEY REQUIRED FORM

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

### PROJECT INFORMATION

<b>Project No.:</b>	BR-0108	<b>County:</b>	Wilkes
<b>WBS No.:</b>	67108.1.1	<b>Document Type:</b>	CE
<b>Fed. Aid No.:</b>		<b>Funding:</b>	<input checked="" type="checkbox"/> State <input type="checkbox"/> Federal
<b>Federal Permit(s):</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Permit Type(s):</b>	USACE
<b>Project Description:</b> Replace Bridge No. 4 on SR 2418 (S. Windy Gap Rd) over Little Hunting Creek			

### SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

**Description of review activities, results, and conclusions:**

Review of HPO quad maps, relevant background reports, historic designations roster, and indexes was undertaken on August 28, 2019. Based on this review there are no NR, DE, LL, SL or SS in the Area of Potential Effects (APE). There is one structure over 50 years of age in the APE. The house built in c. 1900, according to county tax records, was present in 1966 aerials. It no longer serves as the primary dwelling for the parcel. No street views are available; however, Google Earth show the house has a partially destroyed roof. It is likely that the residence does not present the level of architectural integrity that would warrant National Register listing. The house is located more than 650 feet from the bridge, deep into the parcel. No Survey is required at this time.

**Why the available information provides a reliable basis for reasonably predicting that there are no unidentified significant historic architectural or landscape resources in the project area:**

Using HPO GIS website and county tax data provides reliable information regarding the structures in the APE. These combined utilities are considered valid for the purposes of determining the likelihood of historic resources being present.

### SUPPORT DOCUMENTATION

Map(s)    Previous Survey Info.    Photos    Correspondence    Design Plans

### FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes -- NO SURVEY REQUIRED

*Shelby Reap*

NCDOT Architectural Historian

*Aug 28, 2019*

Date

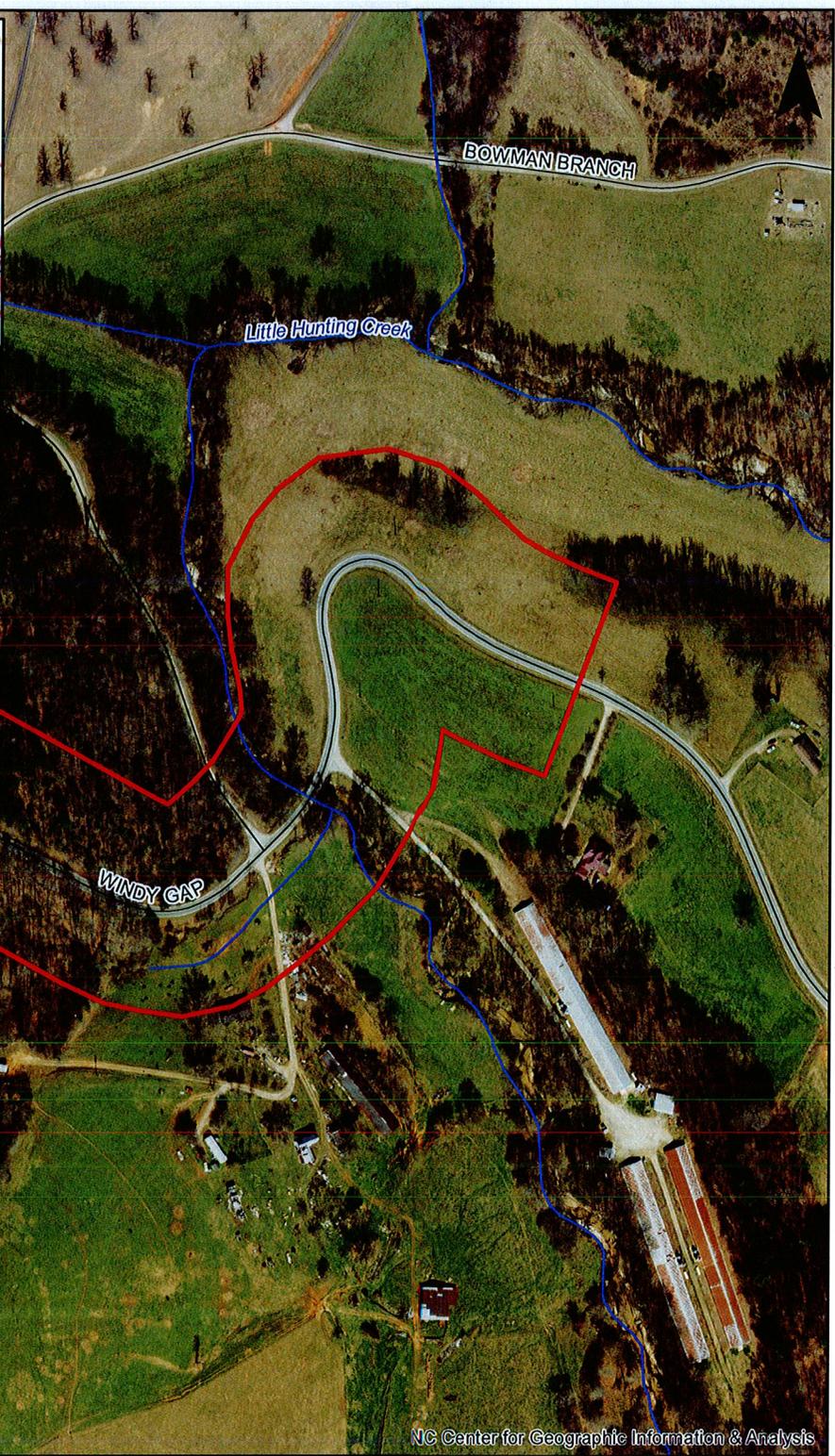
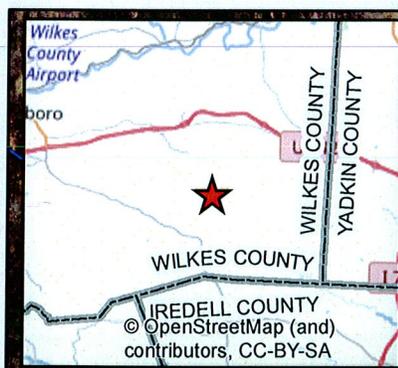




c. 1900 house



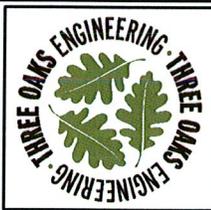
1966 aerial



**Legend**

Study Area

NC Center for Geographic Information & Analysis



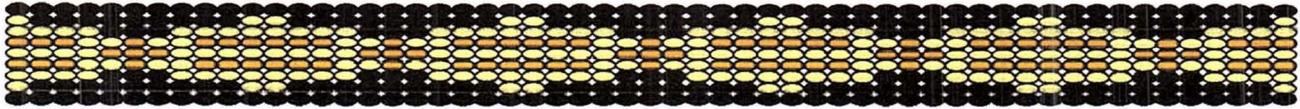
Replacement of Bridge No. 04 on  
SR 2418 over Little Hunting Creek  
(STIP BR-0108)  
Project Vicinity Map  
Wilkes County, North Carolina

Date:	May 2019
Scale:	0 100 200 Feet
Job No.:	18-025
Drawn By:	Checked By:
KEMS	JSM

Figure  
**1**

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

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



January 16, 2020

Attention: David Stutts  
NC Department of Transportation  
1581 Mail Service Center  
Raleigh, NC 27699

Re. THPO #	Project #	Project Description
2020-193-87	BR-0108	Replacement of Bridge No. 4 on SR 2418 over Little Hunting Creek in Wilkes County

Dear Mr. Stutts,

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



GWYJ DBF  
**CHEROKEE NATION®**  
P.O. Box 948 • Tahlequah, OK 74465-0948  
918-453-5000 • www.cherokee.org

Office of the Chief

**Chuck Hoskin Jr.**  
*Principal Chief*

**Bryan Warner**  
*Deputy Principal Chief*

January 14, 2020

David Stutts  
North Carolina Department of Transportation  
Structures Management Unit  
1581 Mail Service Center  
Raleigh, NC 27699

Re: BR-0108, Bridge No. 4 Replacement on SR 2418 over Little Hunting Creek

Mr. David Stutts:

The Cherokee Nation (Nation) is in receipt of your correspondence about **BR-0108, Bridge No. 4 Replacement on SR 2418 over Little Hunting Creek**, and appreciates the opportunity to provide comment upon this project.

The Nation maintains databases and records of cultural, historic, and pre-historic resources in this area. Our Historic Preservation Office reviewed this project, cross referenced the project's legal description against our information, and found no instances where this project intersects or adjoins such resources. Thus, the Nation does not foresee this project imparting impacts to Cherokee cultural resources at this time.

However, the Nation requests that the North Carolina Department of Transportation (NCDOT) halt all project activities immediately and re-contact our Offices for further consultation if items of cultural significance are discovered during the course of this project.

Additionally, the Nation requests that NCDOT conduct appropriate inquiries with other pertinent Tribal and Historic Preservation Offices regarding historic and prehistoric resources not included in the Nation's databases or records.

If you require additional information or have any questions, please contact me at your convenience. Thank you for your time and attention to this matter.

Wado,

Elizabeth Toombs, Tribal Historic Preservation Officer  
Cherokee Nation Tribal Historic Preservation Office  
elizabeth-toombs@cherokee.org  
918.453.5389