

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR JAMES H. TROGDON, III Secretary

February 12, 2020

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

ATTN: Ms. Nicholle Braspennickx NCDOT Coordinator

Subject: Application for Section 404 Nationwide Permit 13 and 33, and 401 Water Quality Certification for the proposed replacement of Bridge No. 165 on SR 1601 (Branton Road) over Rocky Creek in Iredell County, Division 12, TIP No. BR-0114, WBS Element 48823.1.1.

Dear Madam:

NCDOT proposes to replace Bridge No. 165 on S.R. 1601 (Branton Road) over Rocky Creek in Iredell County. NCDOT Structures Management Unit records indicate Bridge No. 480165 has a sufficiency rating of 69.92 out of a possible 100 and has a posted weight limit. The proposed project will be designed to meet the legal load rating.

The project proposes replacing the existing two-lane bridge with an approximately 30-foot wide structure with two 10-foot travel lanes with 3-foot 11-inch paved shoulders. The proposed bridge would be approximately 102 feet in length and the proposed right of way varies from 40 feet to 90 feet. The total length of the project is approximately 740 feet. The proposed bridge will not be posted and will be designed to meet the legal load rating. The bridge replacement will be constructed in place using an off-site detour and includes structural and geometric improvements. The roadway is classified as a Local Route with a 55-mile per hour design speed with a sag vertical curve (K value) design exception that will result in a speed limit reduction in the area of the bridge. Bridge No. 480165 has a posted Single Vehicle weight limit of 21 tons and a Truck Tractor Semitrailer weight limit of 24 tons. The project has been designed to meet the legal load rating.

There will be a total of 61 linear feet of bank stabilization impacts. There will be a total of 64 linear feet (0.01 acre) of temporary impacts from the impervious dike on both the left and right banks of Rocky Creek; however, all but three (3) If are within the bank stabilization impacts.

Telephone: (919) 707-6000 Customer Service: 1-877-368-4968 Website: www.ncdot.gov There will be no utility impacts for this project.

Avoidance and Minimization

NCDOT has avoided permanent stream impacts to Rocky Creek (other than bank stabilization) by spanning the creek with the bridge. The only permanent stream impacts will be those for bank stabilization under the new bridge and at the tie-in of the V-ditch at Sta. 15+98 LT.

Mitigation

NCDOT does not propose mitigation for the 61 linear feet of bank stabilization impacts, as bank stabilization does not require fill in the streambed and therefore, under Section 404 of the Clean Water Act, does not constitute Loss of Waters of the U.S. and is not subject to compensatory mitigation.

Please see enclosed copies of the Pre-Construction Notification (PCN), stormwater management plan, permit drawings and design plans for the above-referenced project.

A Categorical Exclusion was completed in July 2019 and distributed shortly thereafter. Additional copies are available upon request.

This project calls for a letting date of July 21, 2020 and a review date of June 2, 2020.

A copy of this permit application and its distribution list will be posted on the NCDOT Website at: <u>http://connect.ncdot.gov/resources/Environmental</u>. If you have any questions or need additional information, please contact Bill Barrett at <u>wabarrett@ncdot.gov</u> or (919) 707-6103.

Sincerely,

Nichael Ly

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)

September 29, 2018 Ver 3

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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:*

Iredell

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-0114

WBS #*

48823.1.1 (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)

T 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:	13 - Bank Stabilization
Nationwide Permit (NWP) Number:	33 - Temporary Construction
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	401 Water Quality Certification - Express
Non-404 Jurisdictional General Permit	Riparian Buffer Authorization
Individual Permit	
1e. Is this notification solely for the record because writte	n approval is not required?
	*
For the record only for DWR 401 Certification:	© Yes C No
For the record only for Corps Permit:	C Yes © No
1f. Is this an after-the-fact permit application?*	

 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

No
 No
 No

O Yes No Acceptance Letter Attachment Click the upload button or drag and drop files here to attach document FILE TYPE MUST BEPDF

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

O Yes

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 - William A. Barrett

1b. Primary Contact Email:*

wabarrett@ncdot.gov

1d. Who is applying for the permit?*

Owner

O Yes

(Check all that apply)

1e. Is there an Agent/Consultant for this project?* ○ Yes ⊙ No

2. Owner Information

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

2b. Deed book and page no.:

2c. Responsible party:

(for Corporations)

2d. Address*

Street Address 1598 Mail Service Center Address Line 2

Citv Raleigh Postal / Zip Code

27699

2e. Telephone Number:*

(xxx)xxx-xxxx (919)707-6103

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:*

Replace Bridge No. 480165 on SR 1601 (Branton Road) over Rocky Creek

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town:*

Union Grove

State / Province / Region NC Country United States

1c. Primary Contact Phone:* (xxx)xxx-xxxx (919)707-6103

Applicant (other than owner)

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2a. Property Identification Number: (tax FN or parcel D)	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:*	Longitude:*
36.019303	-81.010141
ex: 34.208504	-77.796371

3. Surface Waters

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

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.*

030401020104 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: * Undeveloped woods, agriculture land, and some residences.

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)

842

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

The replacement of Bridge No. 480165 is part of the Growing Rural Economy and Agriculture through Transportation and Technology Enhancement or Replacement in North Carolina (GREATTER-NC) Project under the United States Department of Transportation's 2018 Better Utilizing Investments to Leverage Development (BUILD) Grant program. The purpose of the grant and this bridge replacement project is to provide transportation infrastructure to support economic development and improve physical and digital connectivity in rural communities in North Carolina. The posted weight restriction on Bridge No. 460165 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 3.75 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. The proposed project has been designed to meet the legal load rating.

* This project will utilize the NCDOT project BR-0115, which proposes the replacement of Bridge No. 480166 on SR 1598 (Coolbrooke Road) over Rocky Creek, as a detour route. As such, NCDOT project BR-0115 will be constructed prior to this project.

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

The project proposes replacing the existing two-lane bridge with an approximately 30-foot wide structure with two 10-foot travel lanes with 3-foot 11-inch paved shoulders. The proposed bridge would be approximately 102 feet in length and the proposed right of way varies from 40 feet to 90 feet. The total length of the project is approximately 740 feet. The proposed bridge will not be posted and will be designed to meet the legal load rating. The bridge replacement would be constructed in place using an off-site detour and includes structural and geometric improvements. The roadway is classified as a Local Route with a 55-mile per hour design speed with a sag vertical curve (K value) design exception that will result in a speed limit reduction in the area of the bridge.

4j. Please upload project drawings for the	proposed project.		
Click the upload button or drag and drop files here to attach	document		
BR-0114_Permit Drawings (1).pdf		3.77MB	
File type must be pdf			
5. Jurisdictional Determination	ns		
5a. Have the wetlands or streams been del	ineated on the property or proposed impact areas?*		
© Yes	C No	C Unknown	
Comments:			
No wetlands at project site.			
5b. If the Corps made a jurisdictional deter	mination, what type of determination was made?*		
○ Preliminary ○ Approved ⊙ Not Verified ○			
Corps AID Number:			
Example: SAW-2017-99999			
5c. If 5a is yes, who delineated the jurisdic	tional areas?		
Name (if known):	Jim Mason and Hayley Wood		
Agency/Consultant Company:	Three Oaks Engineering		
Other:			
5d1. Jurisdictional determination upload Click the upload button or drag and drop files here to attach File type must be PDF	document		
6. Future Project Plans			
6a. Is this a phased project?*			
C Yes	© No		
	rmit(s), or individual permits(s) used, or intended to be used, to ng for linear projects that require Department of the Army auth	I, to authorize any part of the proposed project or related activity? T uthorization but don't require pre-construction notification.	This

D. Proposed Impacts Inventory	\bigcirc
1. Impacts Summary	

Buffers

1a. Where are the impacts associated with your project?	(check all that apply):
☐ Wetlands	Streams-tributaries
C 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 *		3f. Type of Jurisdiction *	3g. S. width *	3h. Impact length *
S1	Site 1: Bank stabilization	Permanent	Bank Stabilization	Rocky Creek	Perennial	Both	30 Average (feet)	61 (linear feet)
S2	Site 1: Impervious dikes	Temporary	Dewatering	Rocky Creek	Perennial	Both	30 Average (feet)	3 (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:

61

3i. Total temporary stream impacts:

3

3i. Total stream and ditch impacts:

64

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:*

The proposed single-span bridge (no interior bents) will replace a 3-span bridge. It will be replaced in-place and will utilize an off-site detour. The new bridge will be approximately 12 feet longer than the existing bridge.

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

Impervious dikes will be used around existing abutments to prevent sediment from entering the stream during the removal of existing bridge and will be dewatered as needed.

Two TB 2GIs will collect water from the pavement and convey it to the stream through a riprap-lined Standard V Ditch. A special lateral V ditch with riprap is provided where capacity is not sufficient, and the flow from this ditch dissipates into the floodplain. Best Management Practices for Surface Waters will be used during all phases of construction.

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?

No

O Yes

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

NCDOT does not propose mitigation for the 61 linear feet of bank stabilization impacts, as bank stabilization does not require fill in the streambed and therefore, under Section 404 of the Clean Water Act, does not constitute Loss of Waters of the U.S. and is 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?

O Yes

For a list of options to meet the diffuse flow requirements, click here

If no, explain why:

not located within a Buffer Basin.

2. Stormwater Management Plan

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

O No

No

• Yes • No

Comments:

see attached Permit Drawings.

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 O 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

 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_0114_Final_CE.pdf 3.91MB FLE TYFE MUST BEPDF

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)?*

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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?*
O Yes O 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 ⊙ N/A

5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or near an are	a with federally protected species or habitat?	*
Yes	C No	
5b. Have you checked with the USFWS cor	ncerning Endangered Species Act impacts?*	
• Yes	O No	
5c. If yes, indicate the USFWS Field Office Asheville	you have contacted.	
5d. Is another Federal agency involved?*		
O Yes	© No	O Unknown
5e. Is this a DOT project located within Div ○ Yes ⓒ No	ision's 1-8? [*]	
5f. Will you cut any trees in order to condu ⊙ Yes C No	ict the work in waters of the U.S.? *	
5g. Does this project involve bridge maint ⊙ Yes ◯ No	enance or removal?*	
5g(1). If yes, have you inspected the bridg Appendix F, pages 3-7. ○ Yes ☉ No	e 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,
Link to the NLEB SLOPES document: http://saw-	eg.usace.army.mil/NLEB/1-30-17-signed_NLEB-SLOPI	ES&apps.pdf
If you answered "Yes" to 5g(1), did you dis C Yes C No ⓒ Unknown	scover any signs of bat use? [*]	
*** If yes, please show the location of the b	oridge on the permit drawings/project plans.	
5h. Does this project involve the construct ○ Yes ⓒ No	tion/installation of a wind turbine(s)?* [*]	
5i. Does this project involve (1) blasting, a ⊙ Yes ○ No	nd/or (2) other percussive activities that will	be conducted by machines, such as jackhammers, mechanized pile drivers, etc.? *
If yes, please provide details to include ty Click the uplead button or drag and drop files here to attach File must be PDF		nd specific location of this activity on the property.
5j. What data sources did you use to deter IPAC, USFWS website, NCNHP website, and or	mine whether your site would impact Endange -site pedestrian surveys.	ered Species or Designated Critical Habitat? [*]
Consultation Documentation Upload Click the upload button or drag and drop files here to attach File type must be FDF	document	
6. Essential Fish Habitat (Cor	rps Requirement)	
6a. Will this project occur in or near an are	ea 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)?*

O Yes

7b. What data sources did you use to determine whether your site would impact historic or archeological resources?* **N/SEPA** Documentation

⊙ No

7c. Historic or Prehistoric Information Upload	
Click the upload button or drag and drop files here to attach document	
BR-0114 Catawba Response 2020-01-16.pdf	282.75KB
BR-0114 Cherokee Nation Response 2020-01-14.pdf	215.24KB
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	ccur in a FEMA-designated 100-year floodplain?
• Yes	C No

• Yes

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

NCDOT Hydraulics Unit coordination with FEMA

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

FEMA Flood Maps (Panel 3710480300K)

Miscellaneous

Comments

Miscellaneous attachments not previously requested.

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

BR-0114 Application Cover Letter.pdf File must be PDF or KMZ

371.4KB

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Signature

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

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

Full Name:*

Michael Anthony Turchy

Signature

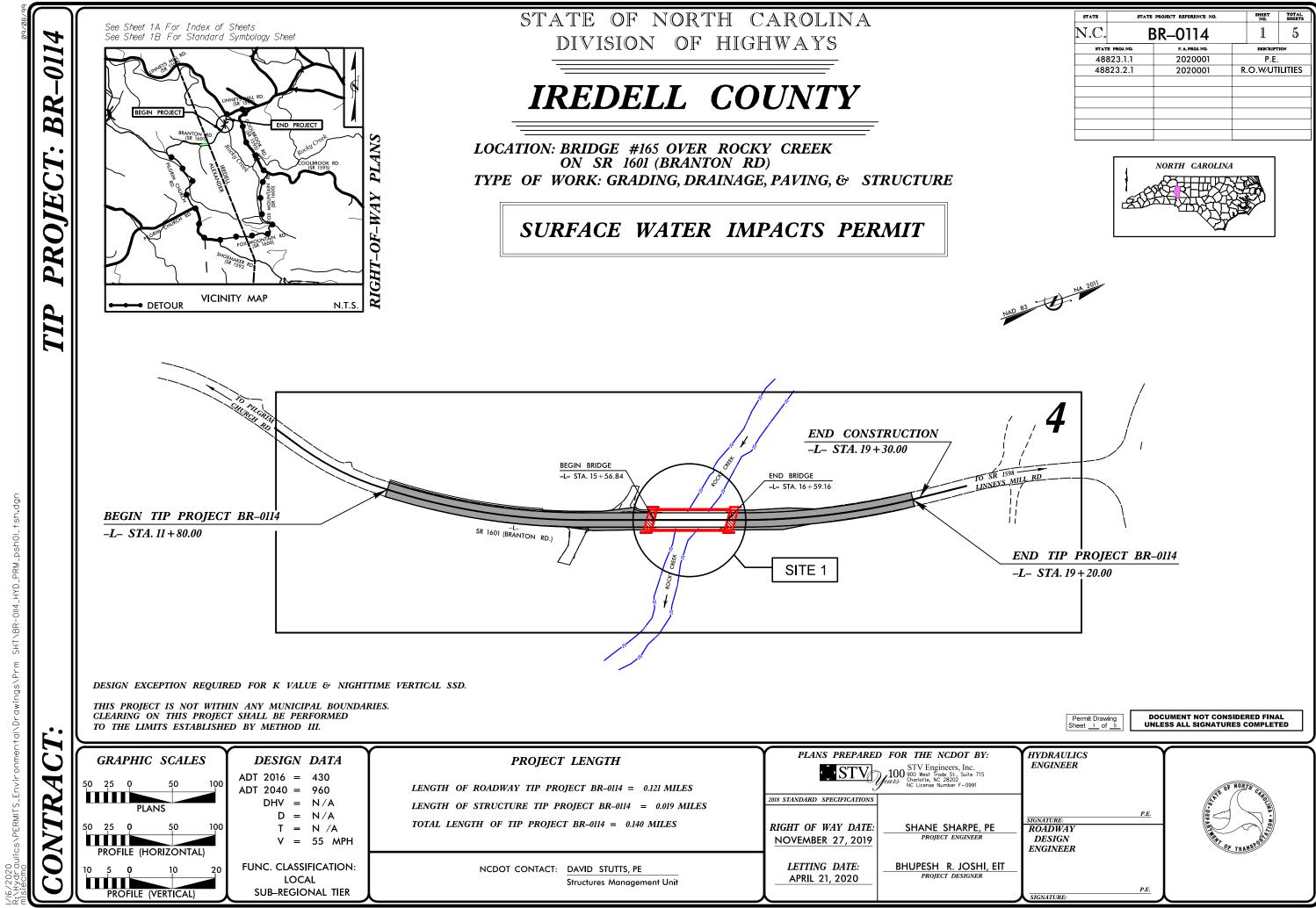
Michael Tunchy

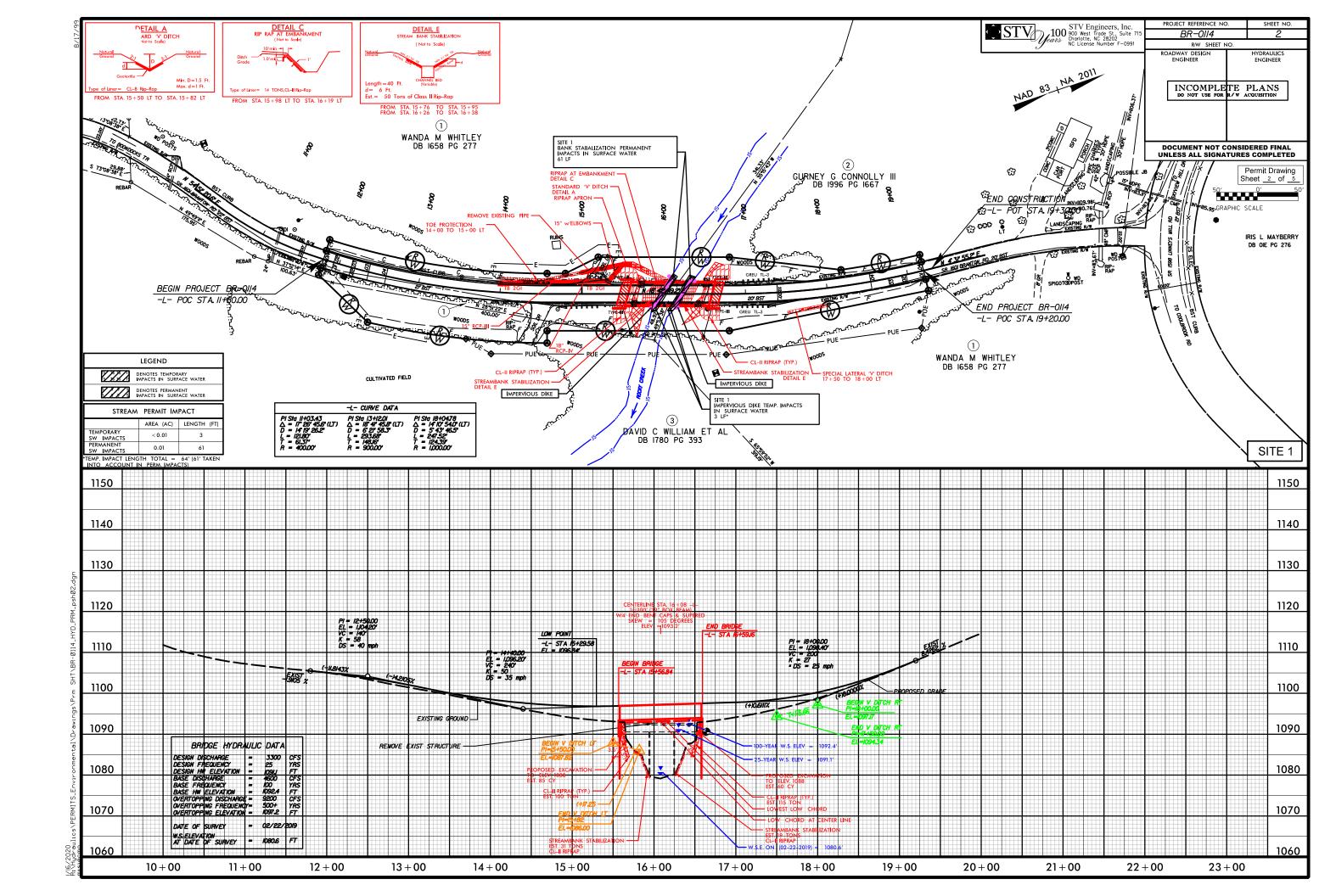
Date

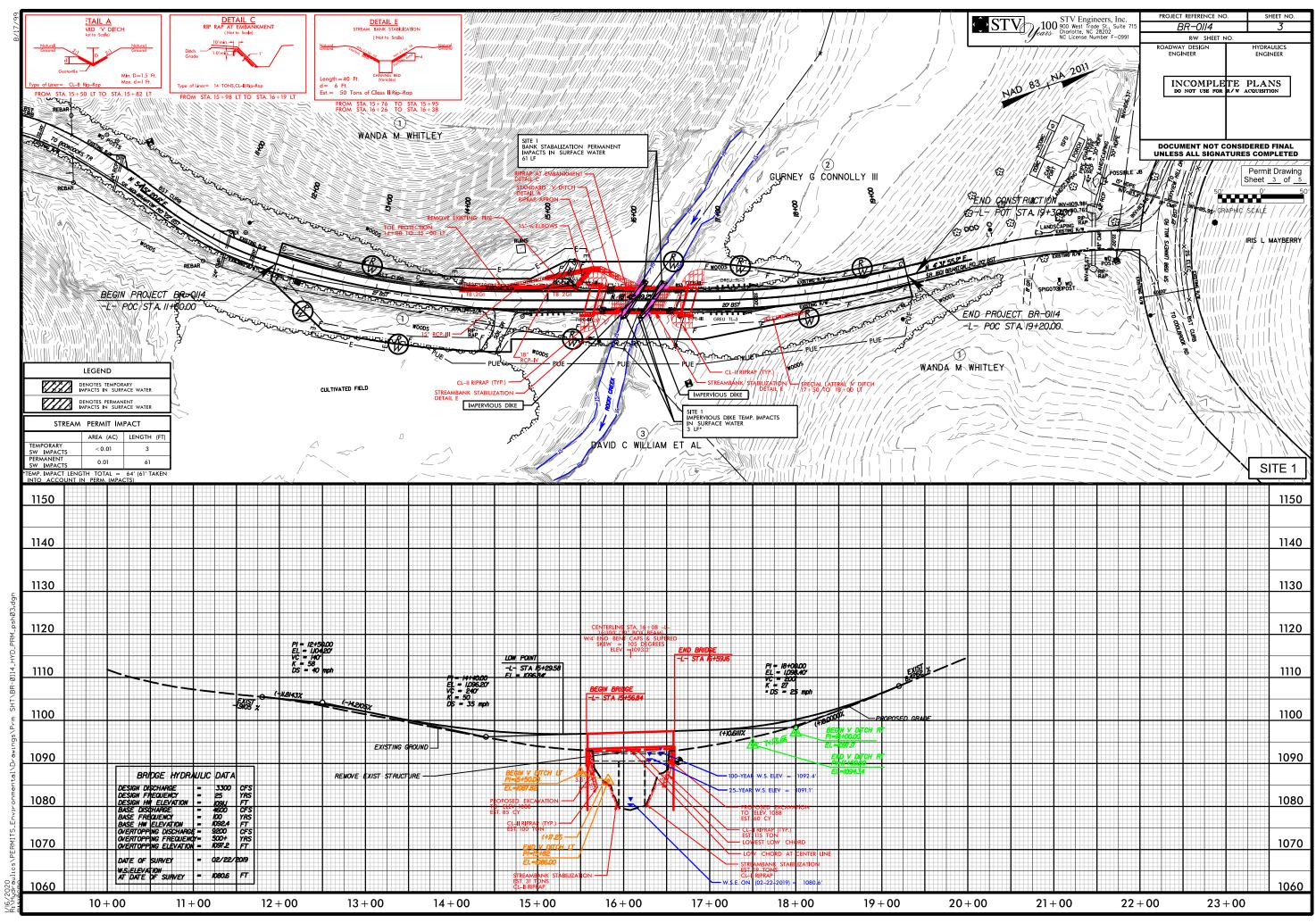
2/12/2020

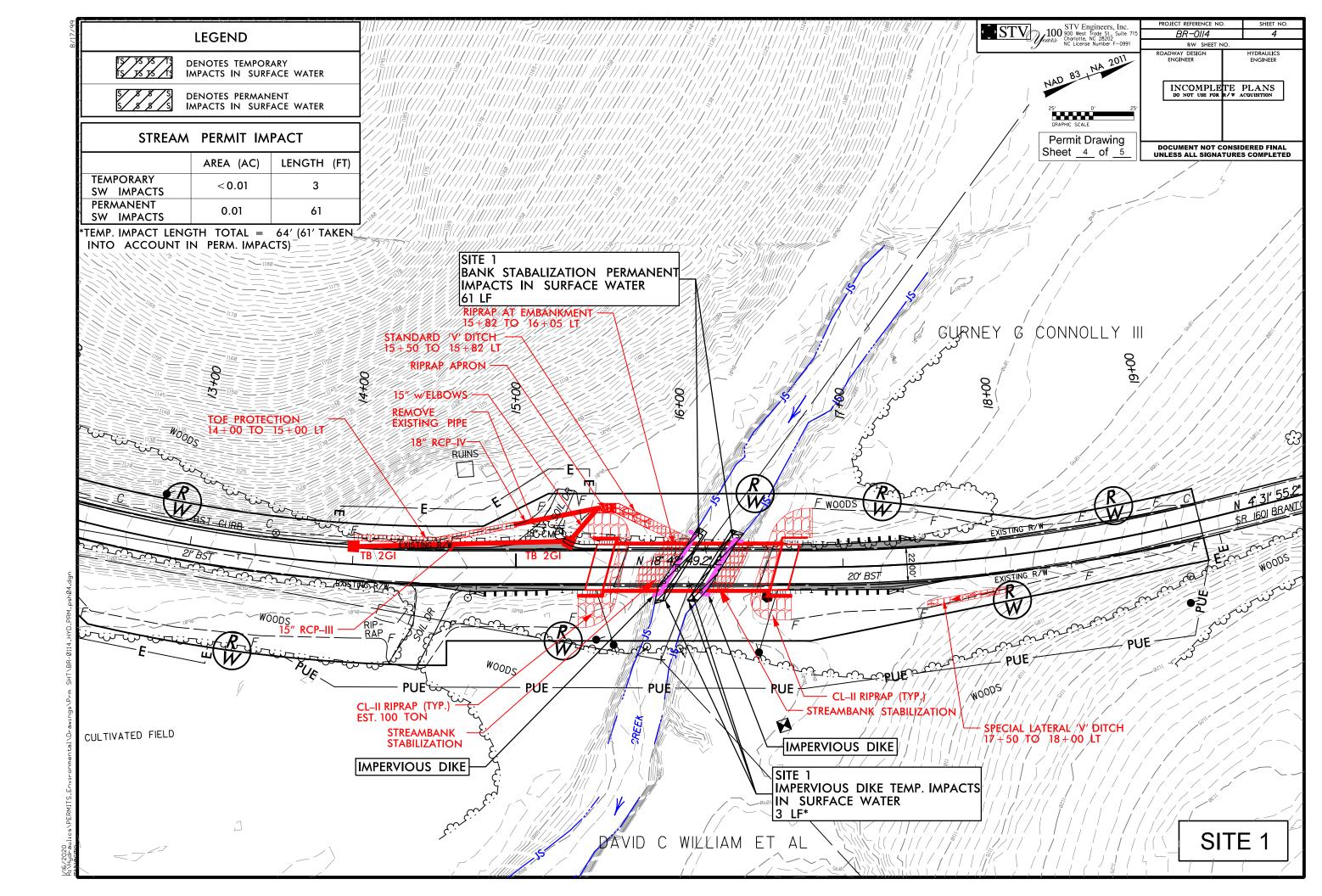
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(Version 2.08; Released A WBS Element:	April 2018) 67114.1.1	TIP No.: BR-	-0114		FOR NCDOT F County(ies):					Pag
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NCDOT Contact:		David Stutts			BIC-0114	Contractor / Desig			ers, Inc. / Shirsh	
Noboli Contact.	Address:	1020 Birch Ridge Drive	<u>э</u>			Contractor / Desig	,	ů	rade Street, Ste	
		Raleigh, NC 27610	-					Charlotte, N		
								,		
	Phone:	(919) 707-6442					Phone:	<mark>(704) 816-</mark> 2	2556	
	Email:	dstutts@ncdot.gov					Email:	Shirshant.S	harma@stvinc.c	com
City/Town:			Love Va	alley, NC		County(ies):	Ired	lell		
River Basin(s):		Yadkin-Pee D	ee			CAMA County?	N	0		
Wetlands within Proj	ject Limits?	No								
				T	Project Dese					
Project Length (lin. n	niles or feet):	0.14		Surrounding L		Agricultural, Rural I	Residential			
				Proposed Project					Exist	ting Site
Project Built-Upon A			0.4		ac.			0.4	en de la factoria de la com	ac.
Typical Cross Sectio	on Description:	Bridge : Two 10' lanes, Approach: Two 10' lane			paved shoulde	rs	-		to the left and rig variable shoulde	
			es, valiable	paveu shoulders				vo to ialies,		515
Annual Avg Daily Tra	affic (veb/br/dav):	Design/Future:		960	Voor	2040	Existing:		430	
General Project Narr		The existing 89', 3 spa					U U			@ 100' (39" b
(Description of Minin		1.5:1 sloping abutment								
Quality Impacts)		existing bridge structur								
		will collect water from t		-		• • •				
		where the capacity was to prevent future erosic								
		entering the stream an		-		equired to meet spit	eau chiena on	uns bridge. i		
					Motorbody Inf	iormation				
Surface Water Body	(1)-		Pocky	v Creek	Waterbody Inf	NCDWR Stream Ir				12-108-11
Surface Water Bouy	(1).		NUCKY	Primary Classific	ation:	Class				12-100-1
NCDWR Surface Wat	ter Classification fo	or Water Body		Supplemental Cla		None				
Other Stream Classif	fication:	None			someauvii.	NOTE	,			
Impairments:		None								
Aquatic T&E Species	\$?		Comments:	•						
NRTR Stream ID:	J i		comments.					Buffer Bul	es in Effect:	
Project Includes Brid	dge Spanning Wate	r Body? Yes		Deck Drains Disc	harge Over Bi	uffer?	N/A	1	Pads Provided	in Buffer?
Deck Drains Dischar	- · · ·					the General Project			escribe in the Ge	
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D	ate:	<mark>12/5/2019</mark>
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11		
		N/A
		N/A
ect Nar Narrat		no, justify in the









				WETLAN	D PERMIT	IMPACT SU	MMARY					
				WETLAND IMPACTS				SURFACE WATER IMPACTS				
				_			Hand		_	Existing	Existing	
Site	Station	Structure	Permanent Fill In	Temp. Fill In	Excavation in	Mechanized Clearing	Clearing in	Permanent SW	Temp. SW	Channel Impacts	Channel Impacts	Natural Stream
No.	(From/To)	Siluciule Size / Type	Wetlands	Wetlands		in Wetlands	Wetlands	impacts	impacts	Permanent	Temp.	Desigr
NU.	(11011/10)		(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1	15+84.84 / 16+39.34	BANK STABILIZATION ON BOTH LEFT AND RIGHT BANKS						0.01		61		
1	15+85.29 / 16+38.76	IMPERVIOUS DIKE ON BOTH LEFT AND RIGHT BANKS							<0.01		3*	
DTALS): 							0.01	<0.01	61	3	

*TEMPORARY IMPACT LENGTH TOTAL = 64' (61' TAKEN INTO ACCOUNT IN PERMANENT STREAMBANK STABILIZATION IMPACTS)

ATN Revised 3/31/05

NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BRIDGE #165 OVER ROCKY CREEK ON SR 1601 (BRANTON RD) IREDELL COUNTY BR-0114

SHEET 5 of 5

1/16/2020

From:	Ellwanger, Claire
То:	Barrett, William A
Subject:	Re: [EXTERNAL] BR-0114 and BR-0115_Iredell_4(d) bat memo distribution
Date:	Tuesday, January 7, 2020 7:34:24 AM
Attachments:	image001.png

CAUTION: External email. Do not click links or open attachments unless you verify. Send all suspicious email as an attachment to <u>report.spam@nc.gov</u>

Hi Bill - Thanks, happy 2020!

On Mon, Jan 6, 2020 at 2:03 PM Barrett, William A <<u>wabarrett@ncdot.gov</u>> wrote:

Hi Claire,

I hope the new year is treating you well!

Attached are the 4(d) bat memos for **BR-0114** and **BR-0115**, both in Iredell County. Per the attached memos, NCDOT has satisfied the 4(d) requirements for these two projects

Thanks

Bill

William A. Barrett

Environmental Senior Specialist

Environmental Analysis Unit

Environmental Coordination & Permitting

North Carolina Department of Transportation

919 707 6103 office

wabarrett@ncdot.gov

1598 Mail Service Center



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR JAMES H. TROGDON, III Secretary

June 3, 2019

ТО:	Carla Dagnino, ECAP Group Leader Environmental Analysis Unit					
FROM:	Chris Manley, Environmental Program Consultant Biological Surveys Group, EAU					

SUBJECT: Section 7 survey results for the northern long-eared bat *(Myotis septentrionalis)* associated with the replacement of Bridge No. 165 over Rocky Creek on SR 1601 in Iredell County, **TIP No. BR-0114**.

The North Carolina Department of Transportation (NCDOT, Division 12) proposes to replace Bridge No. 165 over Rocky Creek on SR 1601 in Iredell County, TIP No. BR-0114. The existing bridge is a three-span structure with steel beams, and timber deck, guard rails and end walls. The overall length of the structure is 89 feet.

Northern long-eared bat

The project to replace Bridge No. 165 has been reviewed for effects on the northern longeared 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 June 3, 2019, NLEB is listed by USFWS (<u>http://www.fws.gov/raleigh/species/cntylist/nc_counties.html</u>) as "probable/potential" in Iredell 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 ¹/₄ 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).

TELEPHONE: 919-707-6000 FAX: 919-212-5785 Location: CENTURY CENTER, BUILDING B 1020 BIRCH RIDGE DRIVE RALEIGH NC 27610

WEBSITE:NCDOT.GOV

According to the North Carolina Natural Heritage Program (NHP) Biotics Database, most recently updated April 2019, **the nearest NLEB hibernacula record is 45 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) 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.

If you need any additional information, please contact Chris Manley at 919-707-6135.

Office of the Chief



GWV.9 DBP CHEROKEE NATION® P.O. Box 948 • Tahlequah, OK 74465-0948 918-453-5000 • www.cherokee.org 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-0114, Bridge No. 165 Replacement on S.R. 1601 over Rocky Creek

Mr. David Stutts:

The Cherokee Nation (Nation) is in receipt of your correspondence about **BR-0114**, **Bridge No. 165 Replacement on S.R. 1601 over Rocky 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

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 Description2020-193-88BR-0114Replacement of Bridge No. 165 on SR 1601 over Rocky Creek in Iredell 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.

Sincerely,

Cattle Rogers for

Wenonah G. Haire Tribal Historic Preservation Officer