

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR JOSEPH R. HOPKINS SECRETARY

December 13, 2023

U. S. Army Corps of Engineers		NC Division of Water Resources						
Regulatory	Field Office	Transportation Permitting Branch						
151 Patton Avenue, Room 208		1617 Mail Service Center						
Asheville, NC 28805		Raleigh NC 27699-1617						
ATTN:	Ms. Lori Beckwith,	Mr. Kevin Mitchell						
	NCDOT Coordinator	NCDOT Coordinator						
Subject:	Application for Section 404	4 Regional General Permit 50, and Section 401 Water						
U U	Quality Certification for th	Quality Certification for the Proposed Replacement of Bridge #110142 on SR 2027						
	(Martin Creek Rd.) over Ma	(Martin Creek Rd.) over Martin Creek in Buncombe County, Division 13, TIP No.						

B-6016, Debit \$323 from WBS 48211.1.1.

Dear Madam and Sir:

The North Carolina Department of Transportation (NCDOT) proposes to replace bridge #110142 on SR 2027 (Martin Creek Rd.) over Martin Creek with a new bridge at the existing location. Traffic will be maintained on existing utilizing a temporary pipe detour, while a new bridge is constructed.

As a result of stabilizing banks under the new bridge, ditch and pipe outlet, there will be a total of 55 linear feet of permanent stream bank stabilization impacts, and 87 linear feet (0.02 ac) of temporary impacts. These impacts do not require permanent fill in the stream bed, therefore, under Section 404 of the Clean Water Act, do not constitute Loss of Waters of the U.S., and are not subject to compensatory mitigation.

Please see enclosed copies of the Pre-Construction Notification (PCN), Stormwater Management Plan, Permit Drawings, Protected Species Info, Archaeology and Historic Reports, Tribal Coordination Documents, and Categorical Exclusion (CE).

A copy of this permit application has been posted on the NCDOT Website at: http://connect.ncdot.gov/resources/Environmental. If you have any questions or need additional information, please contact Michael Turchy at maturchy@ncdot.gov or (919) 707-6157.

Sincerely,

 \int_{0}^{0} Michael A. Turchy Environmental Coordination and Permitting Group Leader

ec: NCDOT Permit Application Standard Distribution List

Telephone: (919) 707-6000 Customer Service: 1-877-368-4968 Website: www.ncdot.gov Location: 1000 Birch Ridge Drive Raleigh NC 27610

Pre-Construction Notification



Pre-Construction Notification (PCN) Form

For Nationwide Permits and Regional General Permits

(along with corresponding Water Quality Certifications)

October 2, 2023 Ver 4.3

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/DocView.aspx?dbid=0&id=2196924

A. Processing Information

If this is a courtesy copy, please fill in this with the submission date.

Does this project involve maintenance dredging funded by the Shallow Draft Navigation Channel Dredging and Aquatic Weed Fund or involve the distribution or transmission of energy or fuel, including natural gas, diesel, petroleum, or electricity?*

 (\land)

🔵 Yes 🍥 No

Is this project connected with ARPA funding?*

🔵 Yes 🍥 No

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

Buncombe

Is this a NCDMS Project*

Yes No Click Yes, only if NCDMS is the applicant or co-applicant.

DO NOT CHECK YES, UNLESS YOU ARE DMS OR CO-APPLICANT.

Is this project a public transportation project?*

Yes O 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: B-6016

WBS #*

48211.1.1 (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)

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

🔵 Yes 💿 No

Regional General Permit (RGP) Number:

201902350 - Work associated with bridge construction, widening, replacement, and interchanges

RGP Numbers (for multiple RGPS):

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 401 Water Quality Certification		
1e. Is this notification solely for the record been	cause 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	I fee program proposed for mitigation of impact	s?
If so, attach the acceptance letter from mitigation bank or in-li	ieu fee program.	
⊖ Yes	No	
Acceptance Letter Attachment		
Click the upload button or drag and drop files here to attach d	locument	
FILE TYPE MUST BE PDF		
1h. Is the project located in any of NC's twenty	y coastal counties?*	
◯ Yes	No	
1j. Is the project located in a designated trout	watershed?*	
Yes No		
You must submit a copy of the appropriate Wi	Idlife Resource Commission Office.	

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?* Michael Turchy

1b. Primary Contact Email:* maturchy@ncdot.gov

1d. Who is applying for the permit?*

Owner (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. Contact Person:

(for Corporations)

2d. Address*

Street Address
1598 Mail Service Center
Address Line 2
City
Raleigh
Postal / Zip Code
27699-1598

2e. Telephone Number: *

(xxx)xxx-xxxx (919)707-6157

2f. Fax Number:

(xxx)xxx-xxxx

1c. Primary Contact Phone:* (xxx)xxx-xxxx (919)707-6157

Applicant (other than owner)

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State / Province / Region	
NC	
Country	
US	

maturchy@ncdot.gov

3. Applicant Information (if different from owner)

· · · · · · · · · · · · · · · · · · ·	
3a. Name:*	
Michael Turchy	
3b. Business Name:	
(if applicable)	
3c. Address*	
Street Address	
1598 Mail Service Center	
Address Line 2	
City	State / Province / Region
Raleigh	NC
Postal / Zip Code	Country
27699-1598	US
3d. Telephone Number: *	
(919)707-6157	3e. Fax Number:
(xxx)xxx-xxxx	(xxx)xxxx-xxxx
3f. Email Address:*	
maturchy@ncdot.gov	

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C. Project Information and Prior Project History

1. Project Information

1a. Name of project: *

B-6016 - Bridge 142 over Martin Creek on SR 2027

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: *

Barnardsville, NC

2. Project Identification

	2b. Property size:	
2a. Property Identification Number:	(in acres)	
(tax PIN or parcel ID)	1.50	
2c. Project Address		
Street Address		
Martins Creek Rd		
Address Line 2		
City	State / Province / Region	
Barnardsville	NC	
Postal / Zip Code	Country	
28709	US	

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: * 35.790025 ex: 34.208504

Longitude: *

3. Surface Waters

3a. Name of the nearest body of water to proposed project: * Martin's Creek

3b. Water Resources Classification of nearest receiving water: * WS-II; Tr; HQW

Surface Water Lookup

French Broad

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

060101050803

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: *

The project is located in a rural part of the NC mountains, near the Pisgah National Forest in Buncombe County. The area consists of heavily intact forested land, pasture/agriculture land that is regularly maintained, paved roadways with maintained shoulders, and scattered residential properties. Aerial photographs suggest some areas of forest, adjacent to the PSA, may have been thinned/logged in past years. The PSA is primarily maintained/disturbed roadside and yard frontage, pavement, and a thin strip of forest near the bridge at Martin's Creek.

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

🔵 Yes 💿 No 🔵 Unknown

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)

240

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

The purpose of the project is to replace the structurally deficient Bridge #110142 over Martin Creek on SR 2027 (Martin Creek Rd.) in Buncombe County, NC east of Barnardsville. Built in 1971, the bridge now has a sufficiency rating of 48.08.

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

The existing bridge is a 21' long by 25' wide (timber floor on I-beams) single span bridge and consists of two 9' paved travel lanes with 0.5' paved shoulders. The proposed grade will be about 1' above existing ground within the vicinity of the bridge and roughly matching existing ground approximately 70 ft northeast of the bridge and 80 ft southwest of the bridge.

The existing bridge has openings below the bridge rail that discharge directly to Martin Creek. The proposed bridge will have no direct discharge into the river. Stormwater runoff from the bridge is to flow to a grated inlet located just outside of the approach slab in the southwest quadrant and will be diffused with a riprap pad at the proposed pipe outlet in the southeast quadrant. All proposed stormwater runoff is discharged as far away from the stream and at the lowest velocities as practicable.

5. Jurisdictional Determinations

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

Mes
 No
 Unknown
 Comments:
 Only named perennial stream Martin Creek within project area.
 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): Agency/Consultant Company: Three Oaks Other:

6. Future Project Plans

6a. Is this a phased project?*

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	I Impacts Inv	entory	

No

1. Impacts Summary

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

Open Waters

Pond Construction

Buffers

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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 *	3h. Impact length*
S1	Site 1: Outfall 18" RCP III	Permanent	Bank Stabilization	Martin Creek	Perennial	Both	10 Average (feet)	12 (linear feet)
S2	Site 2a: Outfall 15" RCP-IV	Permanent	Bank Stabilization	Martin Creek	Perennial	Both	10 Average (feet)	23 (linear feet)
S3	Site 2b: Temp Access - Dewatering/Fill	Temporary	Dewatering	Martin Creek	Perennial	Both	10 Average (feet)	87 (linear feet)
S4	Site 2c: Bridge - Excavation	Permanent	Bank Stabilization	Martin Creek	Perennial	Both	10 Average (feet)	20 (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:

55

3i. Total temporary stream impacts:

87

3i. Total stream and ditch impacts:

-

142

3j. Comments:

2b = Temporary impacts for a temporary pipe detour to maintain traffic, which substantially reduces impacts relative to the alternative construction method of staged construction.

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: *

Bridge spans the water body; The proposed bridge will have no direct discharge into the river. Stormwater runoff from the bridge is to flow to a grated inlet located just outside of the approach slab in the southwest quadrant and will be diffused with a riprap pad at the proposed pipe outlet in the southeast quadrant. All proposed stormwater runoff is discharged as far away from the stream and at the lowest velocities as practicable.

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

A temporary pipe detour to maintain traffic was utilized, which substantially reduced impacts relative to the alternative construction method of staged construction. Design Standards in Sensitive Watersheds 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?

No

Yes

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

All permanent impacts are due to bank stabilization which is not considered a loss of waters/mitigable impact. Remaining impacts are temporary.

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

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

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

1. Diffuse Flow Plan

1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

Yes

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

If no, explain why:

The project is located within the French Broad River basin to which no riparian buffer rules apply.

2. Stormwater Management Plan

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

No

Yes No

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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 t Environmental Policy Act (NEPA/SEPA)?*	the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina)
Yes	O No
1c. If you answered "yes" to the above, has th	e document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.)*
Yes	○ No

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)?*

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?*

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Yes
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3b. If you answered "no," provide a short narrative description.

Due to the minimal transportation impact resulting from this bridge replacement, this project is not anticipated to stimulate growth or influence nearby land use. The project replaces an existing structure with a similar structure.

4. Sewage Disposal (DWR Requirement)

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4a. Is sewage disposal required by DWR for this project?*
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🔍 Yes 🔍 No 🔍 N/A

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

No

5a. Will this project occur in or near an area v	vith federally protected species or habitat?*	
Yes	○ No	
5b. Have you checked with the USFWS conce	<pre>srning Endangered Species Act impacts?*</pre>	
Yes	O No	
5c. If yes, indicate the USFWS Field Office yo Asheville	u have contacted.	
5d. Is another Federal agency involved?*		
Yes	No	Unknown
What Federal Agency is involved? FHWA		
5e. Is this a DOT project located within Division	on's 1-8?*	
🔘 Yes 🍥 No		
5f. Will you cut any trees in order to conduct	the work in waters of the U.S.?*	
Yes O No		
5g. Does this project involve bridge maintena	ince or removal?*	
Yes O No		
5g(1). If yes, have you inspected the bridge fo F, pages 3-7.	or signs of bat use such as staining, guano, ba	its, etc.? Representative photos of signs of bat use can be found in the NLEB SLOPES, Appendix
Yes O No		
Link to the NLEB SLOPES document: http://saw-rec	j.usace.army.mil/NLEB/1-30-17-signed_NLEB-SLOP	ES&apps.pdf
If you answered "Yes" to 5g(1), did you disco	ver 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

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

FHWA is the lead agency. Informal concurrence request sent to USFWS 12/6/23. See attached request letter for a summary of protected species info within the project area.

6. Essential Fish Habitat (Corps Requirement)

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

Ves No

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

https://www.habitat.noaa.gov/apps/efhmapper/

7. Historic or Prehistoric Cultural Resources (Corps Requirement)

No

No

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

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

See attached cultural resource info and tribal coordination.

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

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

This project meets the FEMA requirements by obtaining State Floodplain Compliance (SFC) approval through the Hydraulics Unit's Highway Floodplain Program.

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

FEMA floodmaps

Miscellaneous

Comments

Please use the space below to attach all required documentation or any additional information you feel is helpful for application review. Documents should be combined into one file when possible, with a Cover Letter, Table of Contents, and a Cover Sheet for each Section preferred.

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

 B-6016 Buncombe December 13 2023.pdf
 7.92MB

 File must be PDF or KMZ
 7.92MB

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:*

Erin Cheely

Signature*

Erin K. Cheely

Date

12/13/2023

Permit Drawings

Version 3.00; Released WBS Element:	August 2021) 48209.3.1	TIP/Proj No:	B-6016	North Ca H STO	rolina Departme ighway Stormw RMWATER MAN FOR NCDOT F County(ies):	ent of Transportation ater Program IAGEMENT PLAN ROJECTS Buncombe	n		Page	9 1	of 2
				(Seneral Project	Information			¥		
WBS Element		48211 1 1		TIP Number	B-6016		Project	Type	Bridge Replacement	Date:	11/22/2022
NCDOT Contact:		Yates Allen (Divisor	n Enviromental	Officer)	0010	Contractor / Desig	ner:	TGS Engli	peers (David B Petty PE)	Dute.	11/22/2022
	Address:	NCDOT Highway D	ivision 13			g	Address:	706 Hillsb	prough Street		
		55 Orange Street						Suite 200	3		
		Asheville, NC 2880	1					Raleigh N	C, 27603		
	Phone:	828-250-3002				1	Phone:	919-773-8	887 ext. 104		
	Email:	vallen@ncdot.gov					Email:	dpetty@tg	senaineers.com		
Citv/Town:			Barna	rdsville		Countv(ies):	Bunco	mbe			
River Basin(s):		French B	Broad			CAMA County?	No)			
Wetlands within Pro	oject Limits?	No					1				
	•		_		Project Desc	cription					
Project Length (lin.	miles or feet):	0.076 m	niles	Surrounding	Land Use:	wooded, farmland, I	ow density res	idential			
				Proposed Proje	ct	Existing Site					
Project Built-Upon	Area (ac.)		0.2		ac.		0.2 ac.				
Typical Cross Section Description:		Two 10' paved trave	el lanes with 3'	grased shoulders	(7' to guardrail, 3	3' paved).	Two 9' paved	travel lane	s with 0.5' paved shoulders.		
Annual Avg Daily T	raffic (veh/hr/day):	Design/Future:		200	Year	2023	Existing:		200	Ye	ar: 2023
General Proj	ect Narrative:	NCDOT STIP B-60	16 involves the (21" cored sla	replacement of Bi	idge #110142 ov	ver Martin Creek on S	R 2027 (Marti	n Creek Ro	d.) in Buncombe County, NC ea	st of Barnar	dsville. Proposed
Quality	Impacts)	about 1' above exis bridge.	ting ground wit	hin the vicinity of t	he bridge and rou	directly to Martin Cre	ng ground app	roximately	70 ft northeast of the bridge an	d 80 ft south	west of the
		from the bridge is to the southeast quad	o flow to a grate rant. All propo	ed inlet located jus sed stormwater ru	t outside of the a noff is discharged	pproach slab in the s	e stream and a	drant and w	ill be diffused with a riprap pad st velocities as practicable.	at the propo	osed pipe outlet in

Highway – – –			North Carolina Departm	ent of Transportatio	on				STEOP NORTH CAROLES
Stormwater			Highway Stormw	vater Program					
			STORMWATER MAI	NAGEMENT PLAN					A BUT OF TRANSFORT
(Version 3.00; Released August 2021)			FOR NCDOT	PROJECTS					
WBS Element: 48209.3.1	TIP/Proj No.:	B-6016	County(ies):	Buncombe			Page	2	of 2
			General Project	Information					
			Waterbody In	formation					
Surface Water Body (1):		Martir	Creek	NCDWR Stream Ir	ndex No.:		6-96-3-5		
NCDWR Surface Water Classification f	for Water Body		Primary Classification:	Water Supply	II (WS-II)				
	ion mater Body		Supplemental Classification:	Trout Wate	rs (Tr)	(HQW)			
Other Stream Classification:	No	one							
Impairments:	No	one							
Aquatic T&E Species?	No	Comments							
NRTR Stream ID:	no NRTR				-	Buffer Rules in Effect:			N/A
Project Includes Bridge Spanning Wat	er Body?	Yes	Deck Drains Discharge Over Bu	uffer?	No	Dissipator Pads Provided	in Buffer?		
Deck Drains Discharge Over Water Bo	dy?	No	(If yes, provide justification in	the General Project	Narrative)	(If yes, describe in the Ge	eneral Project I	Varrative; if	no, justify in the
(If yes, provide justification in the	e General Project N	larrative)				Gene	eral Project Na	rrative)	
Surface Water Body (2):				NCDWR Stream Ir	ndex No.:				
NCDWR Surface Water Classification for Water Body		Primary Classification:							
	Nobwik Surface Water Slassification for Water Body		Supplemental Classification:						
Other Stream Classification:									
Impairments:									
Aquatic T&E Species?		Comments							
NRTR Stream ID:						Buffer Rules in Effect:			
Project Includes Bridge Spanning Wate	er Body?		Deck Drains Discharge Over Bu	uffer?		Dissipator Pads Provided	in Buffer?		
Deck Drains Discharge Over Water Bo	dy?		(If yes, provide justification in	the General Project	Narrative)	(If yes, describe in the Ge	eneral Project I	Varrative; if	no, justify in the
(If yes, provide justification in the	e General Project N	larrative)				Gene	eral Project Na	rrative)	
						-			
Surface Water Body (3):				NCDWR Stream Ir	ndex No.:				
NCDWR Surface Water Classification f	for Water Body		Primary Classification:						
	for Water Body		Supplemental Classification:						
Other Stream Classification:									
Impairments:									
Aquatic T&E Species?		Comments							
NRTR Stream ID:						Buffer Rules in Effect:			
Project Includes Bridge Spanning Wat	er Body?		Deck Drains Discharge Over Bu	uffer?		Dissipator Pads Provided	in Buffer?		
Deck Drains Discharge Over Water Bo	dy?		(If yes, provide justification in	the General Project	Narrative)	(If yes, describe in the Ge	eneral Project I	Varrative; if	no, justify in the
(If yes, provide justification in the	e General Project N	larrative)				Gen	eral Project Na	rrative)	



	STATE STA	TE PROJECT REFERENCE NO.	SHEET TOTAL NO. SHEETS
	N.C.	B_6016	1
	STATE PROLNO		DESCRIPTION
	48209.3.1	BRZ-1781(001)	PE
	48209.3.1	BRZ-1781(001)	R/W & UTIL.
	48209.3.1	BRZ-1781(001)	CONST.
]
	PERVVIT L	NRAWINIGS	
		AL A - UUY	
	DAIE: FE	BRUARY 10), 2023
CTURE	L		
PERMIT	DRAWING	;	
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				WE	TLAND IMP	ACTS		S	SURFACE WATER IMPACTS			
Site No.	Station (From/To)	Structure Size / Type	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- 10+93 to 11+06 RT	Bank Stabilization						< 0.01		12		
2	-L- 12+06 to 12+35 RT	Bank Stabilization						< 0.01		23		
2**	-L- 12+11 to 12+93 LT & RT	Temp Dewatering / Temp Access Fill							0.02		87	
2	-L- 12+81 to 13+05 LT	Bank Stabilization						< 0.01		20		
	S*:							< 0.01	0.02	55	87	0

Buncombe County

B-6016 WBS # 48211.1.1

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SHEET

Protected Species/ Section 7



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR

J.R. "JOEY" HOPKINS SECRETARY

December 6, 2023

Ms. Janet A. Mizzi Field Office Supervisor US Fish and Wildlife Service 160 Zillicoa Street Asheville, NC 28801

Subject: Section 7 Concurrence Request for the replacement of bridge number 142 over Martin Creek on SR 2027 (Martins Creek Road) in Buncombe County, WBS No. 48211.1.1 in Division 13, TIP No. B-6016

Reference: Bat Survey Report, dated November 23, 2023

Dear Ms. Mizzi:

The purpose of this letter is to request concurrence from the U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the Endangered Species Act, as amended (16 U.S.C. 1531 et seq.) (ESA). The North Carolina Department of Transportation (NCDOT) proposes to replace bridge 142 over Martin Creek in Buncombe County.

As of November 30, 2023, the US Fish and Wildlife Service's Information for Planning and Consultation (IPaC) lists the following federally protected species in the project area. Little brown bat, while not yet listed in IPaC for this area, has been included in the table below.

Scientific Name	Common Name	Federal Status	Habitat Present	Biological Conclusion
Clemmys muhlenbergii	Bog turtle	SAT	No	Not Required
Myotis grisescens	Gray bat	Endangered	Yes	MA-NLAA
Myotis septentrionalis	Northern long-eared bat	Endangered	Yes	MA-NLAA
Perimyotis subflavus	Tricolored bat	Proposed Endangered*	Yes	MA-NLAA
Myotis lucifugus	Little brown bat	Future Listing	Yes	MA-NLAA
Sarracenia rubra ssp. jonesii	Mountain sweet pitcher- plant	Endangered	No	No Effect
Gymnoderma lineare	Rock gnome lichen	Endangered	No	No Effect

SAT - Similarity of Appearance (Threatened); MA-NLAA - May Affect - Not Likely to Adversely Affect * Proposed for federal listing

Species Summary – Bats

The North Carolina Department of Transportation (NCDOT, Division 13) proposes to replace Bridge No. 142 over Martin Creek on SR 2027 in Buncombe County, TIP No. B-6016. The existing bridge is a single span structure with steel beams, timber deck, and guard rails and concrete end walls. The overall length of the structure is 21 feet. No culverts meeting NCDOT's Standard Operating Procedures for Preliminary Bat Habitat Assessments were identified meeting the criteria of greater than 3 feet wide and 60 feet in length during this site visit.

On May 15, 2019, NCDOT biologists assessed all structures in the project study area. There are no suitable roosting crevices present on this creosote covered timber bridge. No evidence of bats (bats, staining, guano) was observed on the structure. Trees greater than 3" dbh occur within the project footprint. There are no known caves or mines within one half mile of the project footprint and no caves or mines were observed during the field visit. Large, continuous forests are present in the project vicinity, providing potential foraging and commuting habitat.

Species	Federal Status	Habitat Present ¹	Biological Conclusion	Distance to Nearest Record ²
MYGR	Endangered	Yes	MA-NLAA	3.12 miles SE
MYSE	Threatened	Yes	MA-NLAA	7.1 miles NE
PESU	Proposed Endangered	Yes	MA-NLAA	7.1 miles NE
MYLU ³	Future Listing	Yes	MA-NLAA	7.1 miles NE

¹ Detailed habitat information shown in table below

² Nearest known record from latest NHP, WRC, or NCDOT data

³ Little Brown Bat (*Myotis lucifugus*), which may become federally listed in the future (FL), may also be found in Buncombe County

MA-NLAA – May Affect, Not Likely to Adversely Affect

Spacios	Summer	Roosting	Winter	Foraging	Commuting
species	Tree	Structure	Roosting	Habitat	Habitat
MYGR	NA	Х	X	\checkmark	\checkmark
MYSE	\checkmark	X	X	\checkmark	\checkmark
PESU	\checkmark	X	X	\checkmark	\checkmark
MYLU	\checkmark	Х	X	\checkmark	\checkmark

A Biological Conclusion of **May Affect**, **Not Likely to Adversely Affect** is given to each of the above species based on the presence of suitable foraging and commuting habitat. No evidence of federally listed bats was found on the structures, no caves or mines are in the area, and a large area of alternative available suitable habitat exists in the project vicinity. Permanent roadway lighting is not present in the project area and BSG is not aware of any plans to install new roadway lighting with this project.

Temporary lighting for nighttime construction will not be necessary between April 1 and October 15. There is currently no permanent lighting within the project area and no new lighting will be added as a result of this project. Tree clearing is currently planned to begin once concurrence with the Service is achieved and is anticipated to be completed prior to the active season. Blasting could possibly be utilized for this project but would occur after tree clearing and between April 1 and October 15. Other percussive activities that could occur due to this project include guardrail installation, pile driving, possible rock hammering, and bridge demolition. Bridge demolition is anticipated to be completed during the winter months (October 16 – March 31).

Pursuant to the ESA Handbook Section 3.5, NCDOT does not request concurrence from the Service for the remaining species, but identifies them below:

Scientific Name	Common Name	Federal Status	Survey Date(s)	Habitat Present	Biological Conclusion
Clemmys muhlenbergii	Bog turtle	SAT	N/A	No	Not Required
Sarracenia rubra ssp. jonesii	Mountain sweet pitcher-plant	Endangered	N/A	No	No Effect
Gymnoderma lineare	Rock gnome lichen	Endangered	N/A	No	No Effect

SAT – Similarity of Appearance (Threatened)

NCDOT, under the delegation authority provided in 50 CFR § 402.08 by the Federal Highway Administration (FHWA), believes that the requirements of Section 7(a)(2) of the ESA have been satisfied and hereby request your concurrence.

If you have any questions, please contact Erin Cheely at <u>ekcheely@ncdot.gov</u> or 919-707-6108.

Sincerely,

mit Chuly

Erin Cheely, ECAP Western Team Lead Environmental Analysis Unit

Enclosures: Bat Survey Report, dated November 23, 2023

ec:

Ms. Holland Youngman, USFWS Mr. Yates Allen, DEO-Div. 13, NCDOT Mr. Tyler Stanton, NCDOT BSG-EAU



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR J.R. "JOEY" HOPKINS Secretary

November 29, 2023

- TO: Erin Cheely, Western Regional Team Lead ECAP, EAU
- FROM: Melissa Miller, Environmental Program Consultant Biological Surveys Group, EAU
- SUBJECT: Section 7 survey results for the gray bat (Myotis grisescens, MYGR), northern long-eared bat (Myotis septentrionalis, MYSE), tricolored bat (Perimyotis subflavus, PESU) and little brown bat (Myotis lucifugus, MYLU), associated with the replacement of Bridge No. 142 over Martin Creek on SR 2027 in Buncombe County, **TIP No. B-6016**.

The North Carolina Department of Transportation (NCDOT, Division 13) proposes to replace Bridge No. 142 over Martin Creek on SR 2027 in Buncombe County, TIP No. B-6016. The existing bridge is a single span structure with steel beams, timber deck, and guard rails and concrete end walls. The overall length of the structure is 21 feet. No culverts meeting NCDOT's Standard Operating Procedures for Preliminary Bat Habitat Assessments were identified meeting the criteria of greater than 3 feet wide and 60 feet in length during this site visit.

On May 15, 2019, NCDOT biologists assessed all of the structures in the project study area. There are no suitable roosting crevices present on this creosote covered timber bridge. No evidence of bats (bats, staining, guano) was observed on the structure. Trees greater than 3" dbh occur within the project footprint. There are no known caves or mines within one half mile of the project footprint and no caves or mines were observed during the field visit. Large, continuous forests are present in the project vicinity, providing potential foraging and commuting habitat.

Telephone: (919) 707-6000 *Customer Service:* 1-877-368-4968

Website: www.ncdot.gov

Species	Federal Status	Habitat Present*	Biological Conclusion	Distance to Nearest Record**
MYGR	Е	Yes	MANLTAA	3.12 mile SE
MYSE	Т	Yes	MANLTAA	7.1 mile NE
PESU	PE	Yes	MANLTAA	7.1 mile NE
MYLU***	FL	Yes	MANLTAA	7.1 mile NE

As of November 29, 2023, the following federally protected bat species are listed in IPaC (<u>https://ipac.ecosphere.fws.gov/</u>) as occurring in the action area:

*See detailed habitat information in table below

**Nearest known record from latest NHP, WRC, or NCDOT data

*** The Little Brown Bat *(Myotis lucifugus)*, which may become federally listed in the future (FL), may also be found in Buncombe County.

MANLTAA=May Affect Not Likely To Adversely Affect

Presence (\checkmark) or Probable Absence (X) of various habitat types for bat species present in project area.

Snecies	Summer	Roosting	Winter	Foraging	Commuting	
species	Tree	Structure	Roosting	Habitat	Habitat	
MYGR	NA	Х	Х	\checkmark	\checkmark	
MYSE	\checkmark	Х	Х	\checkmark	\checkmark	
PESU	\checkmark	Х	Х	\checkmark	\checkmark	
MYLU	\checkmark	Х	Х	\checkmark	\checkmark	

A Biological Conclusion of May Affect Not Likely To Adversely Affect is given to each of the above species based on the presence of suitable foraging and commuting habitat. No evidence of bats was found on the structure, no caves or mines are in the area, and a large area of alternative available suitable habitat exists in the project vicinity. Permanent roadway lighting is not present in the project area and BSG is not aware of any plans to install new roadway lighting with this project. If nighttime work during the bat active season becomes necessary, temporary lighting will only be used to illuminate work areas. If avoidance and minimization measures, such as prohibiting tree clearing during the active season can be implemented, this project is Not Likely to Adversely Affect federally listed bats.

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

Archaeology



NO NATIONAL REGISTER OF HISTORIC PLACES ELIGIBLE OR LISTED ARCHAEOLOGICAL SITES PRESENT FORM



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

PROJECT INFORMATION

Project No:	B-6016	County:	Buncombe
WBS No:	48211.1.1	Document:	CE
<i>F.A. No:</i>	BRZ-2027(001)	Funding:	State Kedera
Federal Permit Requ	uired? 🛛 Yes 🗌 No	Permit Type:	USACE

Project Description:

The project calls for the replacement of Bridge No. 142 on SR 2027 (Martins Creek Road) over Martin Creek in Buncombe County (TIP B-6016). The archaeological Area of Potential Effects (APE) for the project is defined as an approximately 600-foot (182.88 m) long corridor running300 feet (91.44 m) north and south from the center of the bridge. The corridor is approximately 100 feet (30.48 m) wide extending 50 feet (15.24 m) from either side of the centerline.

SUMMARY OF ARCHAEOLOGICAL FINDINGS

The North Carolina Department of Transportation (NCDOT) Archaeology Group reviewed the subject project and determined:

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There are no National Register listed or eligible ARCHAEOLOGICAL SITES present within the project's area of potential effects. (Attach any notes or documents as needed) No subsurface archaeological investigations were required for this project.

No subsurface archaeological investigations were required for this project.

Subsurface investigations did not reveal the presence of any archaeological resources.

- Subsurface investigations did not reveal the presence of any archaeological resources considered eligible for the National Register.
- All identified archaeological sites located within the APE have been considered and all compliance for archaeological resources with Section 106 of the National Historic Preservation Act and GS 121-12(a) has been completed for this project.

SUMMARY OF CULTURAL RESOURCES REVIEW Brief description of review activities, results of review, and conclusions:

NC DOT has conducted an archaeological investigation for the proposed replacement of Bridge No. 142 in Buncombe County, North Carolina. The project area is located north of Asheville and south of Burnsville and plotted in the southern portion of the Barnardsville USGS 7.5' topographic quadrangle (Figure 1).

Background Research

A site files search was conducted by Casey Kirby at the Office of State Archaeology (OSA) on September 13, 2018. No known archaeological sites are identified within the APE, and no previous investigations or reviews have been carried out within the project area. However, four sites (31BN50–31BN53) are recorded within a mile of the bridge. These sites were all report to the University of North Carolina at Chapel Hill by local residents but were never formally investigated. As a result, information is limited. The sites yielded precontact material and are situated either on the Martin Creek or North Fork Ivy Creek floodplain in a setting like that of the current project area.

According to the North Carolina State Historic Preservation Office online data base (HPOWEB 2018), there are no known historic architectural resources within the APE that may yield intact archaeological deposits.

County and regional maps prior to the 20th century that were inspected provide only general details concerning the region illustrating just major roads and settlements. The 1902 USGS Mount Mitchell topographic map is one of the first to provide a reliable location for the project (Figure 2). This map depicts a road similar to the modern road alignment with a crossing over Martin Creek near the current bridge. Structures are also plotted north and south of this crossing, but likely outside of the project area. The 1920 *Soil Map for Buncombe County*, however, illustrate the same road but places it further west with no crossing over Martin Creek (Perkins et al. 1920) (Figure 3). This may be an inaccurate depiction as the later 1938 *North Carolina State Highway Map for Buncombe County* returns the crossing to current placement (NCSHPWC 1938) (Figure 4).

The USDA soil survey map for Buncombe County shows the project area made up mostly of the Dellwood-Reddies complex (USDA NRCS 2018) (Figure 5). This soil series is typically found on floodplains with a slope of 0 to 3 percent. It is subject to occasionally flooding and is considered moderately well drained. The hillside to the northeast is composed of Tate loam (TaD), but the neighboring Edneyville-Chestnut complex (EdE) likely extends into this area as well. Both are well drained with the Tate series sloped at 15 to 30 percent and the Edneyville-Chestnut complex at 30 to 50 percent. According to the contour image and confirmed by the field investigation, these soils cover a wider area than what is depicted on the soil map. The steeply sloped soils occupy the entire northeast quadrant. Soils with a slope of 15 percent or more are not suitable for most early settlement activities, but the floodplain soils, which are dry and level, are favorably for occupation.

Fieldwork Results

The archaeological field reconnaissance and survey for the replacement of Bridge No. 142 was carried out on October 1, 2018. This included systematic shovel testing at 20-meter (ca. 65.62 feet) intervals in the northwest quadrant and two judgmental tests south of the bridge. Closer interval shovel tests were not possible due to obstructions such as plants, trees, private drives, and a buried septic tank. Additional testing was determined not necessary south of the bridge after observing that soils had been modified through earth moving activities. Therefore, only two judgmental tests were excavated to record soil composition. A surface inspection was conducted in the southwest quadrant, since this was the only area

exposed. No resources were observed on the surface. Furthermore, no shovel testing occurred in areas with obvious disturbance, along steep slope of 15 percent or more, or in areas covered by impervious surfaces such as pavement. A total of six shovel tests (STs) were excavated of which none yielded cultural material (see Figure 5).

Bridge No. 142 and Martins Creek Road run basically north to south over Martins Creek, which flows south into North Fork Ivy Creek (see Figure 5). These waterways are part of the French Broad drainage basin. The project area is rural consisting of residential lawns, houses, and a forested hillside. A floodplain is south of the bridge, and a sloping terrace is to the northwest. Martins Creek is just east of the road in the southeast quadrant; while in the northwest quadrant, it extends outside of the APE before bending back towards the road. The stream has been modified or straighten in the southeast quadrant. Fill material occupies the narrow strip of soil between the road and the stream at this location, which was confirmed by a subsurface test (Figure 6). A steep hillside makes up the northeast quadrant (Figure 7). It has been cut back to allow for the road. The residential property in the southwest quadrant has recently been cleared and graded surrounding the house (Figure 8). The purpose for this is unknown. A shovel test was placed in a grassy portion of the property. It contained fill to at least 50 cm (ca. 20 in) below the surface before a rock layer was encountered. The loamy fill contained metal fragments throughout and a heavy concentration of cobbles. A paved church parking lot is also present just south of this property (Figure 9). The final residential property to the northwest was only minimally disturbed, mostly from a septic tank just south of the house; however, obstructions such as plants, trees, and gravel drives prevented closer interval testing (Figure 10).

The soil stratigraphy in the northwest quadrant consisted of two layers. In the two shovel tests just south of the private drive, the surface layer is a dark vellowish brown (10YR 4/4) sandy clay loam that is 25 to 30 cm (ca. 10 to 12 in) thick. This is followed by subsoil, which is a brown (7.5YR 4/4) clay loam. In the two northern shovel tests, soil erosion has reduced the surface layer to less than 5 cm (ca. 2 in) thick. Subsoil is also a reddish brown (5YR 4/4) clay in this portion of the project area.

Summary and Recommendations

The archeological investigations for the proposed replacement of Bridge No. 142 in Buncombe County identified no archaeological resources within the APE. The area south of the bridge is disturbed consisting of fill, while the northeast is steeply sloped. The property to the northwest is minimally disturbed, but testing yielded negative results. No further archaeological work is recommended for this bridge replacement project. However, if design plans change to impact areas outside of the APE, then further archaeological work will be required.

SUPPORT DOCUMENTATION

See attached: Signed:	Map(s)	Previous Survey Info	Photos	Correspondence
C. Dan	Jan			11/29/18

Date

C. Damon Jones NCDOT ARCHAEOLOGIST

REFERENCES CITED

HPOWEB

2018 North Carolina State Historic Preservation Office GIS Web Service. http://gisNCDCR.gov/hpoweb/. Accessed September 21, 2018.

North Carolina State Highway and Public Works Commission (NCSHPWC)

1938 North Carolina State Highway Map for Buncombe County, North Carolina State Highway and Public Works Commission, Raleigh.

Perkins, Samuel, Robert Devereux, Samuel Davidson, and William Davis

1920 Soil Map for Buncombe County, North Carolina. U.S. Department of Argiculture, Government Printing Office, Washington D.C. On file at North Carolina Collections, University of North Carolina, Chapel Hill.

United States Department of Agriculture Natural Resources Conservation Services (USDA NRCS)

2018 Buncombe County Soil Survey. Available online at <u>http://webosilsurvey.nrcs.usda.gov/app/</u>. Accessed September 21, 2018.

United States Geological Survey (USGS)

1902 Mount Mitchell, North Carolina-Tennessee 30 minute quadrangle map. Reprinted in 1932.

2013 Barnardsville, North Carolina 7.5 minute quadrangle map.



Figure 1. Topographic Setting of the Project Area, Barnardsville (2013), NC, USGS 7.5' Topographic Quadrangle.



Figure 2. The 1902 Mount Mitchell USGS topographic map showing the location of the project area.



Figure 3. The 1920 Soil Map for Buncombe County showing the location of the project area.

Project Tracking No.:



Figure 4. The 1938 North Carolina State Highway Map for Buncombe County showing the location of the project area.



Figure 5. Aerial View of the project area showing soils, contours, development, and ST placement.



Figure 6. Area of fill between the road and Martins Creek in the southeast quadrant, looking south.



Figure 7. View of the hillside in the northeast quadrant, looking south.



Figure 8. Residential property in the southwest quadrant showing cleared ground surface, looking south.



Figure 9. Church parking lot in the southwest quadrant, looking west.



Figure 10. Residential property in the northwest quadrant, looking southwest.

Historic Architecture and Landscapes


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.

DDOIECT	INFORMATION
PROJECT	INFORMATION

Project No:	B-6016	County:	Buncombe
WBS No.:	48211.1.1	Document Type:	CE
Fed. Aid No:	BRZ-2027(001)	Funding:	State Kederal
Federal Permit(s):	Yes No	Permit Type(s):	USACE
Project Descript Creek.	tion: Replace Bridge No. 1	42 on SR 2027 (Ma	artins Creek Road) over Martins

SUMMARY OF HISTORIC ARCHICTECTURE AND LANDSCAPES REVIEW Description of review activities, results, and conclusions:

Review of HPO quad maps, HPO GIS information, historic designations roster, and indexes was undertaken on September 12, 2018. Based on this review, there are no existing NR, SL, LD, DE, or SS properties in the Area of Potential Effects, which is 300' from each end of the bridge and 75' from the centerline each way. All properties were surveyed through Google Street view, and there are no properties over fifty years of age eligible for National Register listing. Bridge No. 142 is not eligible for NR listing. There are no National Register listed or eligible properties and no survey is required. If design plans change, additional review will be required.

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:

HPO quad maps and GIS information recording NR, SL, LD, DE, and SS properties for the Buncombe County survey, Buncombe County GIS/Tax information, and Google Maps are considered valid for the purposes of determining the likelihood of historic resources being present. There are no National Register listed or eligible properties within the APE and no survey is required.

Map(s)	SUPPOR Previous Survey Info.	T DOCUMEN	TATION Correspondence	Design Plans
M	FINDING BY NCDO	T ARCHITEC	CTURAL HISTORIAN	1
Historic Arc	hitecture and Landscape N	O SURVEY R	EQUIRED	
Kate	Hubbard		9/12/201	8
NCDOT Arc	chitectural Historian		Date	

Historic Architecture and Landscapes NO SURVEY REQUIRED form for Minor Transportation Projects as Qualified in the 2007 Programmatic Agreement.



Project Location.



State Historic Preservation Office GIS.



Looking northeast on Martins Creek Road towards Bridge No. 142.



Looking southwest on Martins Creek Road towards Bridge No. 142.

Tribal Coordination



ROY COOPER GOVERNOR J. ERIC BOYETTE Secretary

October 14, 2022

Dr. Wenonah Haire Catawba Indian Nation Tribal Historic Preservation Office 1536 Tom Steven Road Rock Hill, SC 29730

Dear Dr. Haire,

The North Carolina Department of Transportation is starting the project development, environmental, and engineering studies for the replacement of Bridge No. 100142 over Martin Creek on SR 2027 (Martin's Creek Road) in Buncombe County as project B-6016. The Federal Highway Administration (FHWA) is the lead federal agency for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) and a Permit is anticipated under the Section 404 Process with the USACE. The project vicinity map is attached.

We would appreciate any information you might have that would be helpful in evaluating potential environmental impacts of the project including recommendation of alternates to be studied. Your comments may be used in the preparation of a NEPA/ State Environmental Policy Act (SEPA) Environmental Document.

In accordance with Section 106 of the NHPA, we also request that you inform us of any historic properties of traditional religious or cultural importance that you are aware of that may be affected by the proposed project. Be assured that, in accordance with confidentiality and disclosure stipulations in Section 304 of the NHPA, we will maintain strict confidentiality about certain types of information regarding historic properties.

Please respond by November 14th so that your comments can be used in the scoping of this project. If you have any questions concerning this project, or would like any additional information, please contact me at jsearley@ncdot.gov.

Thank you,

DocuSigned by: Jessica Earley

Jessica Earley, PE NCDOT Project Engineer-PMU

cc: Matt Wilkerson, NCDOT Archaeology Team Leader Lori Beckwith, US Army Corps of Engineers George Hoops, FHWA David Stark, PE, NCDOT-PMU

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



ROY COOPER GOVERNOR J. ERIC BOYETTE Secretary

October 14, 2022

Ms. Elizabeth Toombs Cherokee Nation Tribal Historic Preserve Officer PO Box 948 Tahlequah, OK 74465

Dear Ms. Toombs,

The North Carolina Department of Transportation is starting the project development, environmental, and engineering studies for the replacement of Bridge No. 100142 over Martin Creek on SR 2027 (Martin's Creek Road) in Buncombe County as project B-6016. The Federal Highway Administration (FHWA) is the lead federal agency for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) and a Permit is anticipated under the Section 404 Process with the USACE. The project vicinity map is attached.

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Thank you, _____DocuSigned by:

Jessica Earley

Jessica Earley, PE NCDOT Project Engineer-PMU

cc: Matt Wilkerson, NCDOT Archaeology Team Leader Lori Beckwith, US Army Corps of Engineers George Hoops, FHWA David Stark, PE, NCDOT-PMU

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



Roy Cooper Governor J. ERIC BOYETTE Secretary

October 14, 2022

Mr. Russel Townsend Eastern Band of Cherokee Indians Tribal Historic Preservation Office 2077 Governors Island Road Bryson City, NC 28713

Dear Mr. Townsend,

The North Carolina Department of Transportation is starting the project development, environmental, and engineering studies for the replacement of Bridge No. 100142 over Martin Creek on SR 2027 (Martin's Creek Road) in Buncombe County as project B-6016. The Federal Highway Administration (FHWA) is the lead federal agency for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) and a Permit is anticipated under the Section 404 Process with the USACE. The project vicinity map is attached.

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Thank you, — DocuSigned by:

Jessica Earley

Jessica Earley, PE NCDOT Project Engineer-PMU

cc: Matt Wilkerson, NCDOT Archaeology Team Leader Lori Beckwith, US Army Corps of Engineers George Hoops, FHWA David Stark, PE, NCDOT-PMU

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



ROY COOPER GOVERNOR J. ERIC BOYETTE Secretary

October 14, 2022

Ms. LeeAnne Wendt Muscogee (Creek) Nation PO Box 580 Okmulgee, OK 74447

Dear Ms. Wendt,

The North Carolina Department of Transportation is starting the project development, environmental, and engineering studies for the replacement of Bridge No. 100142 over Martin Creek on SR 2027 (Martin's Creek Road) in Buncombe County as project B-6016. The Federal Highway Administration (FHWA) is the lead federal agency for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) and a Permit is anticipated under the Section 404 Process with the USACE. The project vicinity map is attached.

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In accordance with Section 106 of the NHPA, we also request that you inform us of any historic properties of traditional religious or cultural importance that you are aware of that may be affected by the proposed project. Be assured that, in accordance with confidentiality and disclosure stipulations in Section 304 of the NHPA, we will maintain strict confidentiality about certain types of information regarding historic properties.

Please respond by November 14th so that your comments can be used in the scoping of this project. If you have any questions concerning this project, or would like any additional information, please contact me at jsearley@ncdot.gov.

Thank you, —DocuSigned by:

Jessica Earley

Jessica Earley, PE NCDOT Project Engineer-PMU

cc: Matt Wilkerson, NCDOT Archaeology Team Leader Lori Beckwith, US Army Corps of Engineers George Hoops, FHWA David Stark, PE, NCDOT-PMU

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



ROY COOPER GOVERNOR J. ERIC BOYETTE Secretary

October 14, 2022

Mr. Acee Watt United Keetoowah Band of Cherokee Indians Section 106 Coordination PO Box 746 Tahlequah, OK 74465

Dear Mr. Watt,

The North Carolina Department of Transportation is starting the project development, environmental, and engineering studies for the replacement of Bridge No. 100142 over Martin Creek on SR 2027 (Martin's Creek Road) in Buncombe County as project B-6016. The Federal Highway Administration (FHWA) is the lead federal agency for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) and a Permit is anticipated under the Section 404 Process with the USACE. The project vicinity map is attached.

We would appreciate any information you might have that would be helpful in evaluating potential environmental impacts of the project including recommendation of alternates to be studied. Your comments may be used in the preparation of a NEPA/ State Environmental Policy Act (SEPA) Environmental Document.

In accordance with Section 106 of the NHPA, we also request that you inform us of any historic properties of traditional religious or cultural importance that you are aware of that may be affected by the proposed project. Be assured that, in accordance with confidentiality and disclosure stipulations in Section 304 of the NHPA, we will maintain strict confidentiality about certain types of information regarding historic properties.

Please respond by November 14th so that your comments can be used in the scoping of this project. If you have any questions concerning this project, or would like any additional information, please contact me at jsearley@ncdot.gov.

Thank you, DocuSigned by:

Jessica Earley

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Figure 1. Topographic Setting of the Project Area, Barnardsville (2013), NC, USGS 7.5' Topographic Quadrangle.



Figure 2. The 1902 Mount Mitchell USGS topographic map showing the location of the project area.



Figure 3. The 1920 Soil Map for Buncombe County showing the location of the project area.

Project Tracking No.:



Figure 4. The 1938 North Carolina State Highway Map for Buncombe County showing the location of the project area.



Figure 5. Aerial View of the project area showing soils, contours, development, and ST placement.

NEPA/SEPA Document

Type I and II Ground Disturbing Categorical Exclusion Action Classification Form

STIP Project No.	B-6016
WBS Element	48209.1.1
Federal Project No.	BRZ-1781 (001)

A. <u>Project Description</u>: (Include project scope and location, including Municipality and County. Refer to the attached project location map and photos.)

Bridge Replacement for Bridge 100142 over Martin Creek on SR 2027 (Martin's Creek Road), Buncombe County, NC. The bridge will be replaced with a single span bridge.

B. <u>Description of Need and Purpose:</u>

The project is needed to replace a structurally deficient bridge.

C. Categorical Exclusion Action Classification: (Check one)

☑ TYPE I
☑ TYPE II

- D. Proposed Improvements -
- 28. Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings, if the actions meet the constraints in 23 CFR 771.117(e)(1-6).
- E. <u>Special Project Information</u>: (Provide a description of relevant project information, which may include: vicinity map, costs, alternative analysis (if any), traffic control and staging, and resource agency/public involvement).

The project will use stage construction and maintain one travel lane with temporary signals.

Type I &	II - Ground Disturbing Actions		
FHWA A	PPROVAL ACTIVITIES THRESHOLD CRITERIA		
If any of	questions 1-7 are marked "yes" then the CE will require FHWA approval.	Yes	No
1	Does the project require formal consultation with U.S. Fish and Wildlife Service (USFWS) or National Marine Fisheries Service (NMFS)?		\boxtimes
2	Does the project result in impacts subject to the conditions of the Bald and Golden Eagle Protection Act (BGPA)?		\boxtimes
3	Does the project generate substantial controversy or public opposition, for any reason, following appropriate public involvement?		\boxtimes
4	Does the project cause disproportionately high and adverse impacts relative to low-income and/or minority populations?		\boxtimes
5	Does the project involve a residential or commercial displacement, or a substantial amount of right of way acquisition?		\boxtimes
6	Does the project require an Individual Section 4(f) approval?		\boxtimes
7	Does the project include adverse effects that cannot be resolved with a Memorandum of Agreement (MOA) under Section 106 of the National Historic Preservation Act (NHPA) or have an adverse effect on a National Historic Landmark (NHL)?		\boxtimes
If any of question	questions 8 through 31 are marked "yes" then additional information will be requir s in Section G.	ed for tl	lose
Other Co	onsiderations	Yes	No
8	Does the project result in a finding of "may affect not likely to adversely affect" for listed species, or designated critical habitat under Section 7 of the Endangered Species Act (ESA)?	\boxtimes	
9	Does the project impact anadromous fish?		\boxtimes
10	Does the project impact waters classified as Outstanding Resource Water (ORW), High Quality Water (HQW), Water Supply Watershed Critical Areas, 303(d) listed impaired water bodies, buffer rules, or Submerged Aquatic Vegetation (SAV)?	\boxtimes	
11	Does the project impact waters of the United States in any of the designated mountain trout streams?	\boxtimes	
12	Does the project require a U.S. Army Corps of Engineers (USACE) Individual Section 404 Permit?		\boxtimes
13	Will the project require an easement from a Federal Energy Regulatory Commission (FERC) licensed facility?		\square
14	Does the project include a Section 106 of the NHPA effects determination other than a no effect, including archaeological remains?		\boxtimes

Other Co	onsiderations (continued)	Yes	No
15	Does the project involve hazardous materials and landfills?		\boxtimes
16	Does the project require work encroaching and adversely affecting a regulatory floodway or work affecting the base floodplain (100-year flood) elevations of a water course or lake, pursuant to Executive Order 11988 and 23 CFR 650 subpart A?		\boxtimes
17	Is the project in a Coastal Area Management Act (CAMA) county and substantially affects the coastal zone and/or any Area of Environmental Concern (AEC)?		\boxtimes
18	Does the project require a U.S. Coast Guard (USCG) permit?		\boxtimes
19	Does the project involve construction activities in, across, or adjacent to a designated Wild and Scenic River present within the project area?		\boxtimes
20	Does the project involve Coastal Barrier Resources Act (CBRA) resources?		\boxtimes
21	Does the project impact federal lands (e.g. U.S. Forest Service (USFS), USFWS, etc.) or Tribal Lands?		\boxtimes
22	Does the project involve any changes in access control?		\boxtimes
23	Does the project have a permanent adverse effect on local traffic patterns or community cohesiveness?		\boxtimes
24	Will maintenance of traffic cause substantial disruption?		\boxtimes
25	Is the project inconsistent with the STIP or the Metropolitan Planning Organization's (MPO's) Transportation Improvement Program (TIP) (where applicable)?		\boxtimes
26	Does the project require the acquisition of lands under the protection of Section 6(f) of the Land and Water Conservation Act, the Federal Aid in Fish Restoration Act, the Federal Aid in Wildlife Restoration Act, Tennessee Valley Authority (TVA), or other unique areas or special lands that were acquired in fee or easement with public-use money and have deed restrictions or covenants on the property?		\boxtimes
27	Does the project involve Federal Emergency Management Agency (FEMA) buyout properties under the Hazard Mitigation Grant Program (HMGP)?		\boxtimes
28	Does the project include a <i>de minimis</i> or programmatic Section 4(f)?		\boxtimes
29	Is the project considered a Type I under the NCDOT's Noise Policy?		\boxtimes
30	Is there prime or important farmland soil impacted by this project as defined by the Farmland Protection Policy Act (FPPA)?		\boxtimes
31	Are there other issues that arose during the project development process that affected the project decision?		\boxtimes

G. Additional Documentation as Required from Section F

8. The Northern Long-eared Bat (NLEB) is listed as a threatened species on the current U.S. Fish and Wildlife Service (USFWS) list of protected species in Buncombe County. However, the project study area is not located within a county or watershed know to contain NLEB hibernation or maternity roost sites. Therefore, the project has met the criteria required for the USFWS 4(d) Rule, and any associated take is exempt. Due to the exemption under the 4(d)

ruling, it has been determined that the proposed project "May Affect, Not Likely to Adversely Affect" the NLEB.

The Gray bat is listed as endangered on the USFWS list of proposed species for Buncombe County. The bridge was surveyed for signs of bat presence/usage on April 2, 2019 and no evidence of either was found. Due to the stream size, structure type (steel beams), no evidence of bat usage, and distance from a large river, the project will have "No Effect" on the gray bat.

10 and 11. Martin Creek is within a Corps Designated Trout Watershed and is Class WS-II, Trout, HQW by NC DEQ. Since the project is bridge to bridge, stream impacts will be limited to bank stabilization, if necessary.

H. Project Commitments

Buncombe County Bridge 100142 Federal Project No. BRZ-1781(001) WBS No. 48209.1.1 TIP No. B-6016

The project is not likely to affect any properties or archaeological sites listed or eligible for listing on the National Register of Historic Places. NCDOT will complete Section 106 Tribal consultation following completion of the design.

All activities will follow NCDOT best management practices for erosion control.

Categorical Exclusion Approval

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STIP Project No.	B-6016		
WBS Element	48209.1.1		
Federal Project No.	BRZ-1781 (001)		
Prepared By: DocuSigned by: 4/10/2019 Kogur D. Bryan Date Roger D. Bryan Division Environmental Officer			
Prepared For:	Division 13 th Carolina Department of Transportation		
Reviewed By:			
4/11/2019	Ute Collem		
Date M.I	K. Calloway		
Approved	If all of the threshold questions (1 through 7) of Section F are answered "no," NCDOT approves this Categorical Exclusion. If any of the threshold questions (1 through 7) of Section F are answered "yes," NCDOT certifies this Categorical Exclusion.		
4/11/2019 Date Ste Pro	DocuSigned by: Steve Cannon OFECB6ABFE95408 Eve Cannon, P.E. Dject Development Engineer		
<u>FHWA Approved:</u> For F requi	Projects Certified by NCDOT (above), FHWA signature red.		
Date John Fede	F. Sullivan, III, PE, Division Administrator ral Highway Administration		



NO NATIONAL REGISTER OF HISTORIC PLACES ELIGIBLE OR LISTED ARCHAEOLOGICAL SITES **PRESENT FORM**



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

PROJECT INFORMATION

Project No:	B-6016	County:	Buncombe
WBS No:	48211.1.1	Document:	СЕ
<i>F.A. No:</i>	BRZ-2027(001)	Funding:	State Sederal
Federal Permit Requ	uired? 🛛 Yes 🗌 No	Permit Type:	USACE

Project Description:

The project calls for the replacement of Bridge No. 142 on SR 2027 (Martins Creek Road) over Martin Creek in Buncombe County (TIP B-6016). The archaeological Area of Potential Effects (APE) for the project is defined as an approximately 600-foot (182.88 m) long corridor running300 feet (91.44 m) north and south from the center of the bridge. The corridor is approximately 100 feet (30.48 m) wide extending 50 feet (15.24 m) from either side of the centerline.

SUMMARY OF ARCHAEOLOGICAL FINDINGS

The North Carolina Department of Transportation (NCDOT) Archaeology Group reviewed the subject project and determined:

 \boxtimes

There are no National Register listed or eligible ARCHAEOLOGICAL SITES present within the project's area of potential effects. (Attach any notes or documents as needed) No subsurface archaeological investigations were required for this project.

Subsurface investigations did not reveal the presence of any archaeological resources.

- Subsurface investigations did not reveal the presence of any archaeological resources considered eligible for the National Register.
- \square All identified archaeological sites located within the APE have been considered and all compliance for archaeological resources with Section 106 of the National Historic Preservation Act and GS 121-12(a) has been completed for this project.

SUMMARY OF CULTURAL RESOURCES REVIEW Brief description of review activities, results of review, and conclusions:

NC DOT has conducted an archaeological investigation for the proposed replacement of Bridge No. 142 in Buncombe County, North Carolina. The project area is located north of Asheville and south of Burnsville and plotted in the southern portion of the Barnardsville USGS 7.5' topographic quadrangle (Figure 1).

Background Research

A site files search was conducted by Casey Kirby at the Office of State Archaeology (OSA) on September 13, 2018. No known archaeological sites are identified within the APE, and no previous investigations or reviews have been carried out within the project area. However, four sites (31BN50–31BN53) are recorded within a mile of the bridge. These sites were all report to the University of North Carolina at Chapel Hill by local residents but were never formally investigated. As a result, information is limited. The sites yielded precontact material and are situated either on the Martin Creek or North Fork Ivy Creek floodplain in a setting like that of the current project area.

According to the North Carolina State Historic Preservation Office online data base (HPOWEB 2018), there are no known historic architectural resources within the APE that may yield intact archaeological deposits.

County and regional maps prior to the 20th century that were inspected provide only general details concerning the region illustrating just major roads and settlements. The 1902 USGS Mount Mitchell topographic map is one of the first to provide a reliable location for the project (Figure 2). This map depicts a road similar to the modern road alignment with a crossing over Martin Creek near the current bridge. Structures are also plotted north and south of this crossing, but likely outside of the project area. The 1920 *Soil Map for Buncombe County*, however, illustrate the same road but places it further west with no crossing over Martin Creek (Perkins et al. 1920) (Figure 3). This may be an inaccurate depiction as the later 1938 *North Carolina State Highway Map for Buncombe County* returns the crossing to current placement (NCSHPWC 1938) (Figure 4).

The USDA soil survey map for Buncombe County shows the project area made up mostly of the Dellwood-Reddies complex (USDA NRCS 2018) (Figure 5). This soil series is typically found on floodplains with a slope of 0 to 3 percent. It is subject to occasionally flooding and is considered moderately well drained. The hillside to the northeast is composed of Tate loam (TaD), but the neighboring Edneyville-Chestnut complex (EdE) likely extends into this area as well. Both are well drained with the Tate series sloped at 15 to 30 percent and the Edneyville-Chestnut complex at 30 to 50 percent. According to the contour image and confirmed by the field investigation, these soils cover a wider area than what is depicted on the soil map. The steeply sloped soils occupy the entire northeast quadrant. Soils with a slope of 15 percent or more are not suitable for most early settlement activities, but the floodplain soils, which are dry and level, are favorably for occupation.

Fieldwork Results

The archaeological field reconnaissance and survey for the replacement of Bridge No. 142 was carried out on October 1, 2018. This included systematic shovel testing at 20-meter (ca. 65.62 feet) intervals in the northwest quadrant and two judgmental tests south of the bridge. Closer interval shovel tests were not possible due to obstructions such as plants, trees, private drives, and a buried septic tank. Additional testing was determined not necessary south of the bridge after observing that soils had been modified through earth moving activities. Therefore, only two judgmental tests were excavated to record soil composition. A surface inspection was conducted in the southwest quadrant, since this was the only area

exposed. No resources were observed on the surface. Furthermore, no shovel testing occurred in areas with obvious disturbance, along steep slope of 15 percent or more, or in areas covered by impervious surfaces such as pavement. A total of six shovel tests (STs) were excavated of which none yielded cultural material (see Figure 5).

Bridge No. 142 and Martins Creek Road run basically north to south over Martins Creek, which flows south into North Fork Ivy Creek (see Figure 5). These waterways are part of the French Broad drainage basin. The project area is rural consisting of residential lawns, houses, and a forested hillside. A floodplain is south of the bridge, and a sloping terrace is to the northwest. Martins Creek is just east of the road in the southeast quadrant; while in the northwest quadrant, it extends outside of the APE before bending back towards the road. The stream has been modified or straighten in the southeast quadrant. Fill material occupies the narrow strip of soil between the road and the stream at this location, which was confirmed by a subsurface test (Figure 6). A steep hillside makes up the northeast quadrant (Figure 7). It has been cut back to allow for the road. The residential property in the southwest quadrant has recently been cleared and graded surrounding the house (Figure 8). The purpose for this is unknown. A shovel test was placed in a grassy portion of the property. It contained fill to at least 50 cm (ca. 20 in) below the surface before a rock layer was encountered. The loamy fill contained metal fragments throughout and a heavy concentration of cobbles. A paved church parking lot is also present just south of this property (Figure 9). The final residential property to the northwest was only minimally disturbed, mostly from a septic tank just south of the house; however, obstructions such as plants, trees, and gravel drives prevented closer interval testing (Figure 10).

The soil stratigraphy in the northwest quadrant consisted of two layers. In the two shovel tests just south of the private drive, the surface layer is a dark vellowish brown (10YR 4/4) sandy clay loam that is 25 to 30 cm (ca. 10 to 12 in) thick. This is followed by subsoil, which is a brown (7.5YR 4/4) clay loam. In the two northern shovel tests, soil erosion has reduced the surface layer to less than 5 cm (ca. 2 in) thick. Subsoil is also a reddish brown (5YR 4/4) clay in this portion of the project area.

Summary and Recommendations

The archeological investigations for the proposed replacement of Bridge No. 142 in Buncombe County identified no archaeological resources within the APE. The area south of the bridge is disturbed consisting of fill, while the northeast is steeply sloped. The property to the northwest is minimally disturbed, but testing yielded negative results. No further archaeological work is recommended for this bridge replacement project. However, if design plans change to impact areas outside of the APE, then further archaeological work will be required.

SUPPORT DOCUMENTATION

See attached: Signed:	Map(s)	Previous Survey Info	Photos	Correspondence
C. Dan	Jan			11/29/18

Date

C. Damon Jones NCDOT ARCHAEOLOGIST

REFERENCES CITED

HPOWEB

2018 North Carolina State Historic Preservation Office GIS Web Service. http://gisNCDCR.gov/hpoweb/. Accessed September 21, 2018.

North Carolina State Highway and Public Works Commission (NCSHPWC)

1938 North Carolina State Highway Map for Buncombe County, North Carolina State Highway and Public Works Commission, Raleigh.

Perkins, Samuel, Robert Devereux, Samuel Davidson, and William Davis

1920 Soil Map for Buncombe County, North Carolina. U.S. Department of Argiculture, Government Printing Office, Washington D.C. On file at North Carolina Collections, University of North Carolina, Chapel Hill.

United States Department of Agriculture Natural Resources Conservation Services (USDA NRCS)

2018 Buncombe County Soil Survey. Available online at <u>http://webosilsurvey.nrcs.usda.gov/app/</u>. Accessed September 21, 2018.

United States Geological Survey (USGS)

1902 Mount Mitchell, North Carolina-Tennessee 30 minute quadrangle map. Reprinted in 1932.

2013 Barnardsville, North Carolina 7.5 minute quadrangle map.



Figure 1. Topographic Setting of the Project Area, Barnardsville (2013), NC, USGS 7.5' Topographic Quadrangle.



Figure 2. The 1902 Mount Mitchell USGS topographic map showing the location of the project area.



Figure 3. The 1920 Soil Map for Buncombe County showing the location of the project area.

Project Tracking No.:



Figure 4. The 1938 North Carolina State Highway Map for Buncombe County showing the location of the project area.



Figure 5. Aerial View of the project area showing soils, contours, development, and ST placement.



Figure 6. Area of fill between the road and Martins Creek in the southeast quadrant, looking south.



Figure 7. View of the hillside in the northeast quadrant, looking south.



Figure 8. Residential property in the southwest quadrant showing cleared ground surface, looking south.



Figure 9. Church parking lot in the southwest quadrant, looking west.



Figure 10. Residential property in the northwest quadrant, looking southwest.



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.

DDOIECT	INFORMATION
PROJECT	INFORMATION

Project No:	B-6016	County:	Buncombe
WBS No.:	48211.1.1	Document Type:	CE
Fed. Aid No:	BRZ-2027(001)	Funding:	State Kederal
Federal Permit(s):	Yes No	Permit Type(s):	USACE
Project Descript Creek.	tion: Replace Bridge No. 1	42 on SR 2027 (Ma	artins Creek Road) over Martins

SUMMARY OF HISTORIC ARCHICTECTURE AND LANDSCAPES REVIEW Description of review activities, results, and conclusions:

Review of HPO quad maps, HPO GIS information, historic designations roster, and indexes was undertaken on September 12, 2018. Based on this review, there are no existing NR, SL, LD, DE, or SS properties in the Area of Potential Effects, which is 300' from each end of the bridge and 75' from the centerline each way. All properties were surveyed through Google Street view, and there are no properties over fifty years of age eligible for National Register listing. Bridge No. 142 is not eligible for NR listing. There are no National Register listed or eligible properties and no survey is required. If design plans change, additional review will be required.

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:

HPO quad maps and GIS information recording NR, SL, LD, DE, and SS properties for the Buncombe County survey, Buncombe County GIS/Tax information, and Google Maps are considered valid for the purposes of determining the likelihood of historic resources being present. There are no National Register listed or eligible properties within the APE and no survey is required.

Map(s)	SUPPOR Previous Survey Info.	T DOCUMEN	TATION Correspondence	Design Plans
M	FINDING BY NCDO	T ARCHITEC	CTURAL HISTORIAN	1
Historic Arc	hitecture and Landscape N	O SURVEY R	EQUIRED	
Kate	Hubbard		9/12/201	8
NCDOT Arc	chitectural Historian		Date	

Historic Architecture and Landscapes NO SURVEY REQUIRED form for Minor Transportation Projects as Qualified in the 2007 Programmatic Agreement.



Project Location.



State Historic Preservation Office GIS.



Looking northeast on Martins Creek Road towards Bridge No. 142.



Looking southwest on Martins Creek Road towards Bridge No. 142.