

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

March 6, 2020

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

ATTN: Ms. Lori Beckwith

NCDOT Coordinator

Subject: Application for Section 404 Regional General Permit 31 and 401 Water Quality

Certification for the proposed replacement of Bridge No. 35 on NC 67 (Reynolda Road) over the Yadkin River in Yadkin and Forsyth Counties, Divisions 11 & 9, **TIP No. B-**

5825. Debit \$570 from WBS Element 45778.1.1.

Dear Madam:

NCDOT proposes to replace Bridge No. 35 on NC 67 (Reynolda Road) over the Yadkin River with a new bridge slightly north of the existing alignment. Traffic will be maintained on-site using the existing bridge and roadway alignment during construction. NCDOT Structures Management Unit records indicate Bridge No. 35 has a sufficiency rating of 4 out of a possible 100, and the bridge is considered structurally deficient due to a superstructure appraisal of 3 out of 9 according to Federal Highway standards. The replacement of this bridge also necessitates the need to shift an adjacent intersecting road, which has an existing 72-inch Corrugated Metal Pipe (CMP) that is significantly undersized for the drainage area that will be replaced with a 1 @ 9'X 9' Reinforced Concrete Box Culvert (RCBC).

There are four (4) impact sites:

- <u>Site 1</u> has a total of 134 lf of permanent impacts to a perennial stream (0 lf of streambed / loss of waters impacts and 134 lf of bank stabilization impacts); 57 lf (0.85 ac.) of temporary stream impacts (includes temporary work pads); and no wetland impacts.
- <u>Site 2</u> has a total of 168 lf of permanent impacts to an intermittent stream (168 lf of streambed / loss of waters impacts and no bank stabilization impacts); 12 lf (<0.01 ac.) of temporary stream impacts; and 0.03 ac. of permanent wetland impacts.
- <u>Site 3</u> has no permanent or temporary stream impacts; and 0.08 ac. of permanent wetland impacts.
- <u>Site 4</u> has a total of 361 lf of permanent impacts to a perennial stream (298 lf of streambed / loss of waters impacts and 63 lf of bank stabilization impacts); 87 lf (0.02 ac.) of temporary stream impacts, and no wetland impacts.

Telephone: (919) 707-6000

Customer Service: 1-877-368-4968

Website: www.ncdot.gov

As a result of replacing the existing bridge, the cumulative impacts for the four sites will total 663 linear feet of permanent stream impacts (466 lf of streambed / loss of waters impacts and 197 linear feet of bank stabilization impacts); 156 linear feet (0.87 acre) of temporary stream impacts; and a total of 0.11 acre of permanent wetland impacts.

Mitigation:

NCDOT proposes a mitigation ratio of 2:1 for the 298 lf of impacts to the perennial stream at Site 4, resulting in 596 mitigation credits needed. NCDOT proposes a mitigation ratio of 1:1 for the relocation of the Intermittent stream at Site 2, resulting in 168 mitigation credits needed. A total of 764 lf feet of stream mitigation credits are therefore needed for this project.

For the stream impacts that require mitigation, stream mitigation credits have been purchased from the Brushy Mountain Mitigation Bank, which is located within the Yadkin River Basin Cataloging Unit 03040101. Per a letter dated January 24, 2020, the USACE has released 2,052 SMUs at this Mitigation Bank (see attached). NCDOT has purchased 1,539 stream credits from the Brushy Mountain Mitigation Bank (see the two [2] attached Transfer of Credit Affidavits, dated January 29, 2019 and October 2, 2019) and will be applying 764 stream credits to B-5825 (see Table 1).

Table 1. Mitigation Bank - Stream

Mitigation Site Name	Stream Type	Bank Developer	NCDOT Stream Mitigation Credits (If)	B-5825 Stream Impacts (If)	B-5825 Stream Mitigation Required	Notes
Brushy Mountain	Warm	Restoration Systems	1,539	466	764	298 LF impacts to perennial stream @ 2:1 ratio = 596 LF 168 LF re-location of Intermittent stream @ 1:1 ratio = 168 LF

The 0.11 acre of wetland impacts will be mitigated via the DMS (see attached DMS letter).

There will be no utility impacts for this project.

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

This project calls for a letting date of June 16, 2020 and a review date of April 28, 2020.

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

Sincerely,

Millar Cly 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

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.

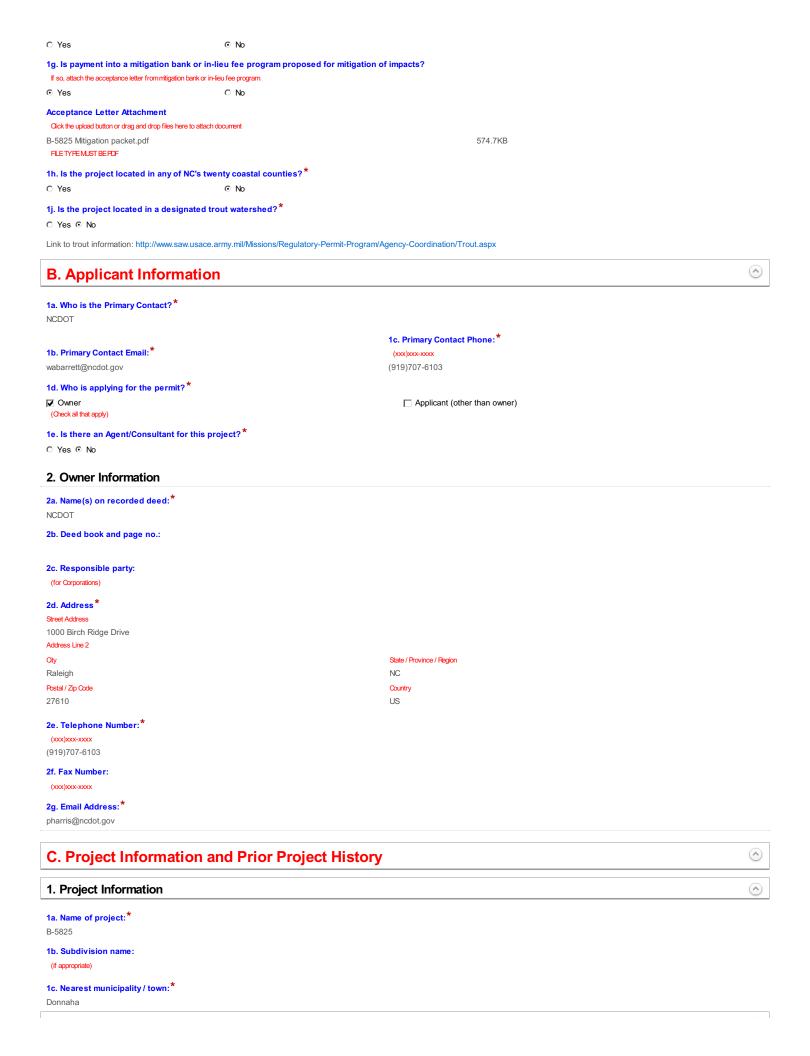
Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

1f. Is this an after-the-fact permit application? $^{\color{red}\star}$

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:*							
Yadkin							
Forsyth							
Is this project a public transportation project?*							
 Yes O No This is any publicly funded by municipal, state or federal funds road, rail, a 	pirport transportation project.						
Is this a NCDOT Project?*							
⊙ Yes ○ No							
(NCDOT only) T.I.P. or state project number: B-5825							
WBS#*							
45778.1.1 (for NCDOT use only)							
1a. Type(s) of approval sought from the Corps:* ✓ Section 404 Permit (wetlands, streams and waters, Cle ─ Section 10 Permit (navigable waters, tidal waters, River							
1b. What type(s) of permit(s) do you wish to seek aut ☐ Nationwide Permit (NWP) ☑ Regional General Permit (RGP) ☐ Standard (IP)	thorization?*						
	permit process with the Corps. Please contact your Corps representative concerning submittals for standard permits. All required items that led 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							
Regional General Permit (RGP) Number:	198200031 - NCDOT Bridges, Widening Projects 2015						
RGP Numbers (for multiple RGPS):							
List all RGP numbers you are applying for not on the drop down list.							
1d. Type(s) of approval sought from the DWR:* check all that apply							
 ✓ 401 Water Quality Certification - Regular Non-404 Jurisdictional General Permit Individual Permit 	☐ 401 Water Quality Certification - Express ☐ Riparian Buffer Authorization						
1e. Is this notification solely for the record because	written approval is not required?						
	*						
For the record only for DWR 401 Certification:	C Yes € No						
For the record only for Corps Permit:	C Yes € No						



2. Project Identification

(^)

2a. Property Identification Number:

(tax PIN or parcel ID)

(in acres)

2b. Property size:

2c. Project Address

Street Address

Address Line 2

City State / Province / Region

Postal / Zin 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:* 36.216144 -80.432081

3. Surface Waters

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

Yadkin River

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

WS-IV

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. *

030401011007

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:

Predominately undeveloped forest, along with agriculture land, some rural residences, and Donnaha Park located on the west side of the Yadkin River

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

C Yes C No C 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)

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

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

0 11

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

(intermittent and perennial)

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

To replace a structurally deficient bridge. Bridge No. 35 has a sufficiency rating of 4 out of 100. The bridge is considered structurally deficient due to a superstructure appraisal of 3 out of 9 according to Federal Highway standards. This also necessities the need to replace an existing 72-inch Corrugated Metal Pipe (CMP).

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

The North Carolina Department of Transportation (NCDOT) proposes to replace bridge number 980035 on NC 67 (Reynolda Road) over the Yadkin River (STIP B-5825) in Yadkin & Forsyth Counties. The replacement structure will be a 72-inch girder bridge approximately 1,065-feet long providing a minimum clear roadway width of 32-feet on new alignment to the north. The bridge will include two 12-foot travel lanes, 4-foot offsets, and bicycle safe rails. The bridge length is based on preliminary design information and is set by hydraulic requirements. The roadway grade of the new structure will be raised from 3 feet to 6 feet. The 72" Corrugated Metal Pipe (CMP) on SR 1600 (Donnaha Road) over an unnamed tributary to the Yadkin River will be replaced with a single 9' x 10' Reinforced Box Culvert (RCBC). The existing single 9' x 9' RCBC on NC 67 (Reynolda Road) over an unnamed tributary to the Yadkin River east of Bridge No. 980035 will be retained and extended. Project construction on NC 67 (Reynolda Road) will extend approximately 1,533-feet from the west end of the new bridge and 1,402-feet from the east end of the new bridge. The approaches will be widened to provide two 12-foot travel lanes with 8-foot shoulders (11-feet with guardrail) including 4-foot payed.

Project construction on SR 1600 (Donnaha Road) will extend approximately 968-feet north from NC 67. SR 1600 will be realigned and widened to improve the sight distance to the west. The realignment of SR 1600 to the east will include two 12-foot travel lanes with 8-foot shoulders (11-feet with guardrail). NC 67 has a functional classification of Minor Arterial and will be designed using Regional Tier Guidelines with a 60 mile per hour design speed.

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

Click the	upload bu	itton or drag a	nd drop files here to attach document
R-5825	Parmit	Drawings	2020-02-26 pdf

5.11MB

5. Jurisdictional Determinations

File type must be pdf

	.		
	lineated on the property or proposed impact areas?*		
• Yes	O No	C Unknown	
Comments:			
No Agency site visit has occurred.			
5b. If the Corps made a jurisdictional deter	rmination, what type of determination was made?*		
C Preliminary C Approved C Not Verified C	Unknown © N/A		
Corps AID Number:			
Example: SAW-2017-99999			
5c. If 5a is yes, who delineated the jurisdic	tional areas?		
Name (if known):	Paul Masten		
Agency/Consultant Company:	AECOM		
Other:			
5d1. Jurisdictional determination upload			
Click the upload button or drag and drop files here to attach	document		
File type must be PDF			
6. Future Project Plans			
6a. Is this a phased project?*			
C Yes	⊙ No		
	rmit(s), or individual permits(s) used, or intended to be used, to authorize a ing for linear projects that require Department of the Army authorization bu		
D. Proposed Impacts Inv	ventory	(^

1. Impacts Summary

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

▼ Wetlands	✓ Streams-tributaries	☐ Buffers
Open Waters	☐ Pond Construction	

2. Wetland Impacts

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

"W." will be used in the table below to represent the word "wetland".

2a. Site #*(?)	2a1 Reason * (?)	2b. Impact type * (?)	2c. Type of W.*	2d. W. name *			2g. Impact area *
2	Fill	Р	Headwater Forest	Wetland A	Yes	Corps	0.010 (acres)
2	Mechanized Clearing	Р	Headwater Forest	Wetland A	Yes	Corps	0.020 (acres)
3	Mechanized Clearing	P	Bottomland Hardwood Forest	Wetland B	No	Corps	0.080 (acres)

2g. Total Temporary Wetland Impact

0.000

2g. Total Permanent Wetland Impact

0.110

2g. Total Wetland Impact

0.110

2h. Comments:

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.

	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: Temp. Work Pads	Temporary	Workpad/Causeway	Yadkin River	Perennial	Both	345 Average (feet)	14 (linear feet)
S2	Site 1: Bank stabilization	Permanent	Bank Stabilization	Yadkin River	Perennial	Both	345 Average (feet)	134 (linear feet)
S3	Site 1: Bank stabilization	Temporary	Bank Stabilization	Yadkin River	Perennial	Both	345 Average (feet)	43 (linear feet)
S4	Site 2: stream relocation	Permanent	Relocation	SB (UT to Yadkin)	Intermittent	Both	3 Average (feet)	168 (linear feet)
S5	Site 2: 3' Std. base ditch	Temporary	Other	SB (UT to Yadkin)	Perennial	Both	3 Average (feet)	12 (linear feet)
S6	Site 4: pipe removal channel improvement	Permanent	Rip Rap Fill	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	34 (linear feet)
S7	Site 4: pipe removal channel improvement	Temporary	Rip Rap Fill	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	26 (linear feet)
S8	Site 4: 1 @ 9'x 10' RCBC	Permanent	Fill	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	165 (linear feet)
S9	Site 4: 1 @ 9'x 10' RCBC	Temporary	Other	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	30 (linear feet)
S10	Site 4: culvert improvement	Permanent	Bank Stabilization	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	31 (linear feet)
S11	Site 4: culvert improvement	Temporary	Bank Stabilization	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	20 (linear feet)
S12	Site 4: 1 @ 9'x 9' RCBC Extension	Permanent	Fill	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	99 (linear feet)
S13	Site 4: channel improvement	Permanent	Bank Stabilization	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	32 (linear feet)
S14	Site 4:channel improvement	Temporary	Bank Stabilization	SC (UT to Yadkin)	Perennial	Both	9 Average (feet)	11 (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:

3i. Total temporary stream impacts:

156

3i. Total stream and ditch impacts:

3j. Comments:

Of the total of 663 linear feet of permanent stream impact, 197 linear feet are Bank Stabilization impacts (not requiring mitigation). Therefore, mitigation is required for 466 linear feet of permanent stream impacts. [see Comment in Section 4h]

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: *

Minimizing shoulder section; providing adequate ground cover; stabilizing embankments and drainage ditches; providing adequate energy dissipation; utilizing natural features and drainage pathways (existing drainage pathways were utilized to the maximum extent practicable); and minimizing direct discharges from the bridge.

The existing bridge has four (4) bents in the Yadkin River; the proposed bridge will only have two (2) bents in the Yadkin River.

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

At Site 2, a portion of a 30-inch RCP will be removed and approximately 100 linear feet of stream will be 'day-lighted'.

At Site 4, a 72-inch CMP will be removed and approximately 100 linear feet of stream will be 'day-lighted'.

During the use of temporary work pads for the bridge demolition/construction, stream flow blockage will be limited to 50% (or less) at any one time. 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 CompensatorYes	y Mitigation for impacts to Waters of the $^{\circ}$ No	U.S. or Waters of the State?	
2c. If yes, mitigation is required by (check a ✓ DWR	all that apply): ☑ Corps		
2d. If yes, which mitigation option(s) will be ☐ Mitigation bank ☐ Payment to in-lieu fee program	e used for this project? Permittee Responsible Mitigation		
4. Complete if Making a Paym	ent to In-lieu Fee Program		
4a. Approval letter from in-lieu fee program ⊙ Yes ○ No	n is attached.		
4b. Stream mitigation requested: (linear feet) 466		4c. If using stream mitigation, what is the stream temperature: warm	
NC Stream Temperature Classification Maps ca	n be found under the Mitigation Concepts ta	b on the Wilmington District's RIBITS website.	
4d. Buffer mitigation requested (DWR only)	ı:	4e. Riparian wetland mitigation requested: (acres)	
(square feet)		0.11	
4f. Non-riparian wetland mitigation request (acres)	ted:	4g. Coastal (tidal) wetland mitigation requested: (acres)	
	Water Act, does not constitute Loss of Water S.	pank stabilization does not require fill in the stream bed sof the U.S. and is not subject to compensatory	
6. Buffer mitigation (State Reg	gulated Riparian Buffer Rule	s) - required by DWR	
6a. Will the project result in an impact with information. O Yes	in a protected riparian buffer that requir • No	es buffer mitigation? If yes, you must fill out this entire form - please contact DWR for more	
F. Stormwater Managem	ent and Diffuse Flow P	Plan (required by DWR)	
		ater rules have required updates to this section .***	
1. Diffuse Flow Plan			
1a. Does the project include or is it adjace C Yes	nt to protected riparian buffers identified No	d within one of the NC Riparian Buffer Protection Rules?	
For a list of options to meet the diffuse flow requ	uirements, click here.		
If no, explain why: It is not located within a Buffer Basin.			
2. Stormwater Management F	Plan		
2a. Is this a NCDOT project subject to comp	oliance with NCDOT's Individual NPDES p	ermit NCS000250?*	
Comments: see attached Permit Drawings.			
G. Supplementary Inform	nation		
1. Environmental Documenta	tion		
1a. Does the project involve an expenditure	re of public (federal/state/local) funds or	the use of public (federal/state) land?*	
⊙ Yes	C No		
1b. If you answered "yes" to the above, do Environmental Policy Act (NEPA/SEPA)?* © Yes	es the project require preparation of an	environmental document pursuant to the requirements of the National or State (North Caroli	na)

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		
Olick the upload button or drag and drop files here to att	ach document	
B-5825 MCDC 10Jul19.pdf		4.99MB
FILETYPEMUST BEPDF		
2. Violations (DWR Require	ment)	
2a. Is the site in violation of DWR Water Riparian Buffer Rules (15A NCAC 2B .020		5A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards o
C Yes	⊙ No	
3. Cumulative Impacts (DW	R Requirement)	
(2.1.)	, , , , , , , , , , , , , , , , , , , ,	
3a. Will this project (based on past and	reasonably anticipated future	impacts) result in additional development, which could impact nearby downstream water quality?*
C Yes	⊙ No	
3b. If you answered "no," provide a sho	rt narrative description.	
Due to the minimal transportation impact res	sulting from this bridge replaceme	ent, this project will neither influence nearby land uses nor stimulate
growth. Therefore, a detailed indirect or cun	nulative effects study will not be n	ecessary.
4. Sewage Disposal (DWR	Requirement)	
4a. Is sewage disposal required by DWR	for this project?*	
C Yes C No ⊙ N/A	Tor this project:	
O les O No O NA		
5. Endangered Species and	l Designated Critical	Habitat (Corps Requirement)
5a. Will this project occur in or near an	area with federally protected	species or habitat?*
C Yes	© No	
5b. Have you checked with the USFWS of	concerning Endangered Spec	ies Act impacts?*
O Yes	© No	
5d. Is another Federal agency involved		_
C Yes	© No	O Unknown
5e. Is this a DOT project located within I	Division's 1-8?*	
C Yes ⓒ No		
5f. Will you cut any trees in order to con	nduct the work in waters of the	2 S 2 *
• Yes O No	duct the work in waters of the	7 0.0.
5g. Does this project involve bridge ma	intenance or removal?*	
Yes ○ No		
5g(1). If yes, have you inspected the bri Appendix F, pages 3-7.	dge 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,
Yes ○ No		
Link to the NLEB SLOPES document: http://sa	w-reg.usace.army.mil/NLEB/1-30-1	7-signed_NLEB-SLOPES&apps.pdf
If you answered "Yes" to 5g(1), did you	discover any signs of bat use	?*
C Yes ⊙ No C Unknown		
*** If yes, please show the location of the	e bridge on the permit drawin	gs/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.?*

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

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

File must be PDF

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

USFWS website, NCNHP website, and on-site pedestrian surveys.

Consultation Documentation Upload

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

B-5825 2020-02-24 NLEB Slopes.pdf File type must be PDF

265.58KB

6. Essential Fish Habitat (Corps Requirement) 6a. Will this project occur in or near an area designated as an Essential Fish Habitat?* 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)? 7b. What data sources did you use to determine whether your site would impact historic or archeological resources? **N/SEPA** Documentation 7c. Historic or Prehistoric Information Upload Click the upload button or drag and drop files here to attach document B-5825 Historic Prehistoric.pdf 846.33KB 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?* 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 Maps Miscellaneous Comments [from the MCDC]: Donnaha Park is owned by the State of North Carolina and is not a Section 6(f) resource. The land was donated to the State of North Carolina by the United States of America as a recreational use for the traveling public and as a source for roadway materials in connection with the maintenance and operation of a public highway. Donnaha Park will be impacted with the proposed project due to the relocation of Donnaha Road. To address Donnaha Park closure and to address potential river users during bridge demolition/construction, Division 11 personnel will be meeting on-site with the NCWRC, scheduled for March 4, 2020, for discussion of logistics Miscellaneous attachments not previously requested. Click the upload button or drag and drop files here to attach document B-5825 App Cov Ltr.pdf 375.64KB File must be PDF or KMZ (^) Signature By checking the box and signing below, I certify that:

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

Full Name:*

Michael Anthony Turchy

Signature

Michael Turchy

Date

3/6/2020



ROY COOPER Governor MICHAEL S. REGAN Secretary TIM BAUMGARTNER Director

March 4, 2020

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

Dear Mr. Harris:

Subject: Mitigation Acceptance Letter:

B-5825, Replace Bridge Number 35 over the Yadkin River on NC 67, Yadkin County

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the compensatory wetland mitigation for the subject project. Based on the information supplied by you on March 2, 2020, the impacts are located in CU 03040101 of the Yadkin River basin in the Central Piedmont (CP) Eco-Region, and are as follows:

Yadkin		Stream		Wetlands			Buffer (Sq. Ft.)	
03040101 CP	Cold	Cool	Warm	Riparian	Non- Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0.11	0	0	0	0

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

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

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

Sincerely,

James B. Stanfill

DMS Asset Management Supervisor

cc: Mr. Monte Matthews, USACE - Raleigh Regulatory Field Office

Ms. Amy Chapman, NCDWR

File: B-5825



Brushy Mountain Mitigation Site

The Bushy Mountain mitigation site is in western North Carolina. Specifically, the site is located on Macemore Road, three miles south of Elkin, in Yadkin County, North Carolina, within the Yadkin River Basin Cataloging Unit (03040101).

In order to offset impacts associated with B-5825, NCDOT will be debiting the Brushy Mountain mitigation site for 764 linear feet. Impacts are shown below in the table.

Site Name	Stream Type	Bank Developer	Stream Mitigation Credits (lf)	B-5825Stream Impacts (lf)	B-5825 Mitigation Required	Notes
Brushy Mountain	Warm	Restoration Systems	1,539	466	764	298 LF perm. Impacts to perennial stream @ 2:1 ratio = 596 LF 168 LF re-location of Intermittent stream @ 1:1 ratio = 168 LF



DEPARTMENT OF THE ARMY WILMINGTON DISTRICT, CORPS OF ENGINEERS 151 PATTON AVENUE ROOM 208 ASHEVILLE, NORTH CAROLINA 28801-5006

January 24, 2020

Regulatory Division

Action ID No. SAW-2017-01463

Re: Monitoring Year 1 Credit Release of the Yadkin 01 Umbrella Mitigation Banking Instrument and Brushy Mountain Mitigation Site

Restoration Systems, Inc. Attn: Raymond Holz 1101 Haynes Street, Suite 211 Raleigh, North Carolina 27604

Dear Mr. Holz:

This correspondence is in reference to the Yadkin 01 Umbrella Mitigation Bank, Brushy Mountain Mitigation Site Year 1 Annual Monitoring Report received November 25, 2019. The Brushy Mountain Site is located on Macemore Road, three miles south of Elkin, in Yadkin County, North Carolina, within the Yadkin River Basin Cataloging Unit (03040101). This 23.29 acre project involves stream and wetland restoration, enhancement and/or preservation of approximately 5,593 linear feet of stream and 5.31 acres of wetland, with the goal of generating 5,130 Stream Mitigation Units (SMU's) and 4.75 Riparian Wetland Mitigation Units (WMU's). The purpose of this letter is to provide comments on the reports and to confirm the release of credits from the Bank pursuant to the completion of required tasks, as described in Section VII, of the Mitigation Banking Instrument (MBI) for this project.

We have reviewed the Year 1 Monitoring Report and did not identify any outstanding concerns associated with overall performance of the bank. We did note several items and recommend that these areas be monitored for future evaluation. A late planting occurred for this site, although monitoring was pushed back to account for this and all vegetation monitoring plots met success criteria, it will be important to monitor success in Monitoring Year 2. Also, 1,000 live stakes were planted along approximately 1,300 linear feet of UT-1 and UT-2 on December 9, 2019 and their success will not be known until at least Monitoring Year 2. Groundwater monitoring gauges were installed at various times during the first monitoring year and several did not meet success criteria. Future monitoring years will help indicate whether this was due to the delayed installation times or whether other issues meeting success criteria become apparent. Finally, some cross-section profiles depict minor incision in riffles or filling in pools which should be monitored for ongoing trends as the newly constructed channels adjust.

With regard to the annual credit release, the Mitigation Banking Instrument (UMBI) entitled, Yadkin 01 UMB-Brushy Mountain Mitigation Site, approved January 25, 2019,

stipulates that ten percent (10%) of the Bank's total credits for streams shall be available for sale immediately after submittal of the first year monitoring report, provided the channel is stable and all other success measures are met. By copy of this correspondence, we confirm that you have satisfied the above requirements for the Monitoring Year 1 credit release and 513 SMU's and 0.475 WMU's are now available for sale. This total includes 10% of the additional credits as approved in the final mitigation plan for non-standard buffer widths and 10% of stream preservation which was to be released throughout the monitoring period instead of in the initial release. As of the date of this correspondence, a total of 2,052 SMU's and 1.9 WMU's (40% of the Bank's total credit potential) have been released.

Thank you for your interest in restoring and protecting waters of the United States. If you have questions regarding this letter, please contact Steve Kichefski, Asheville Regulatory Field Office at steven.l.kichefski@usace.army.mil or telephone (828) 271-7980, Extension 4234.

Sincerely,

for

Scott Jones, Chief

Asheville and Charlotte Regulatory Field Offices

Electronic Copies Furnished:

Todd Bowers – USEPA

Mac Haupt – NCDWR

Erin Davis – NCDWR

Byron Hamstead – USFWS

Olivia Munzer – NCWRC

Todd Tugwell – USACE

Kim Browning – USACE

Scott Jones - USACE



BRUSHY MOUNTAIN MITIGATION BANK TRANSFER OF CREDIT AFFIDAVIT

Permittee: NC DEPARTMENT OF TRANSPORTATION Project Name: Transportation Improvement Projects

Mitigation Sponsor Name: __Restoration Systems, LLC__

Compensatory Mitigation Credits: 769.5 stream credits **Mitigation Site Debited:** Brushy Mountain Mitigation Bank

Mitigation Site Info: Located in Yadkin County, Yadkin River Basin, and Cataloging Unit 03040101 and authorized by the Interagency Review Team (IRT) pursuant to the Yadkin 01 Umbrella Stream Mitigation Bank "Mitigation Banking Instrument" (MBI) approved January 23, 2019 (Bank).

Statement of Mitigation Liability Acceptance: I, the undersigned, verify that I am authorized to approve mitigation transactions for the Mitigation Sponsor shown below, and I certify that the Sponsor agrees to accept full responsibility for providing the mitigation identified in this document, associated with the USACE Permittee shown. I also verify that released credits, as approved by the USACE, are currently available at the mitigation site identified above.

Name of Sponsor's Authorized Representative:	John Preyer
Signature of Sponsor's Authorized Representative	01/29/2019



BRUSHY MOUNTAIN MITIGATION BANK TRANSFER OF CREDIT AFFIDAVIT

Permittee: NC DEPARTMENT OF TRANSPORTATION Project Name: Transportation Improvement Projects

Compensatory Mitigation Credits: 769.5 stream credits **Mitigation Site Debited:** Brushy Mountain Mitigation Bank

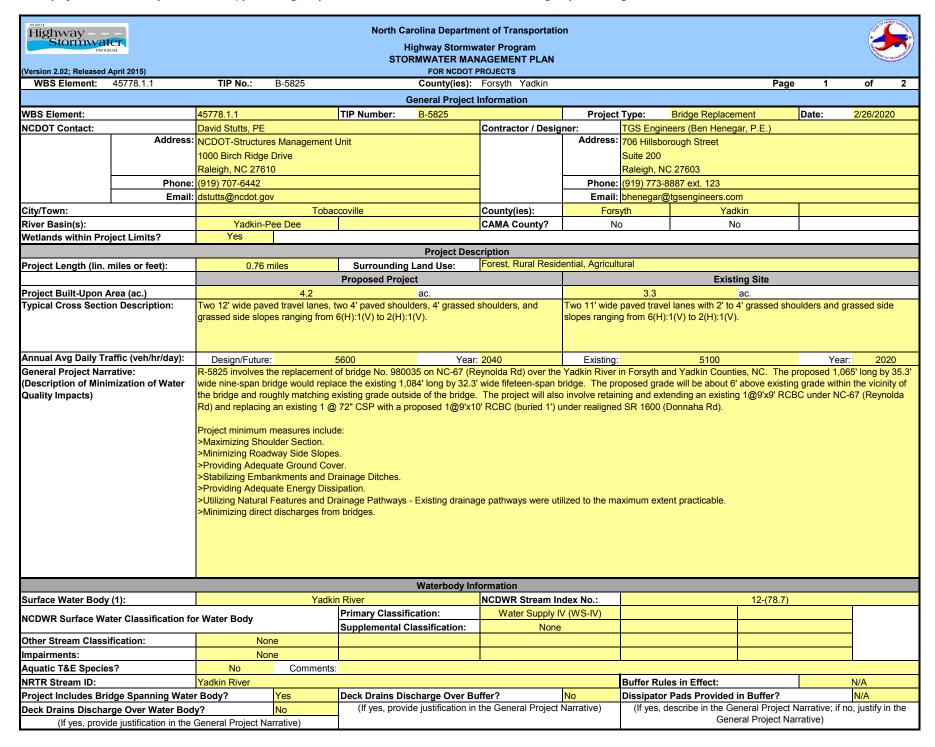
Mitigation Site Info: Located in Yadkin County, Yadkin River Basin, and Cataloging Unit 03040101 and authorized by the Interagency Review Team (IRT) pursuant to the Yadkin 01 Umbrella Stream Mitigation Bank "Mitigation Banking Instrument" (MBI) approved January 23, 2019 (Bank).

Statement of Mitigation Liability Acceptance: I, the undersigned, verify that I am authorized to approve mitigation transactions for the Mitigation Sponsor shown below, and I certify that the Sponsor agrees to accept full responsibility for providing the mitigation identified in this document, associated with the USACE Permittee shown. I also verify that released credits, as approved by the USACE, are currently available at the mitigation site identified above.

Mitigation Sponsor Name:Restoration Systems, Ll	LC
Name of Sponsor's Authorized Representative: _	John Preyer
Signature of Sponsor's Authorized Representative	

Please fill out all yellow cells as completely as possible. Use pick lists where provided. For more information on the NCDOT Stormwater Management Plan form, please refer to the document, NCDOT Stormwater Best Management Practices Toolbox (2014).

If the project drains to multiple water bodies, please drag the print area down such that Water Bodies 2 through 6 print on Page 2





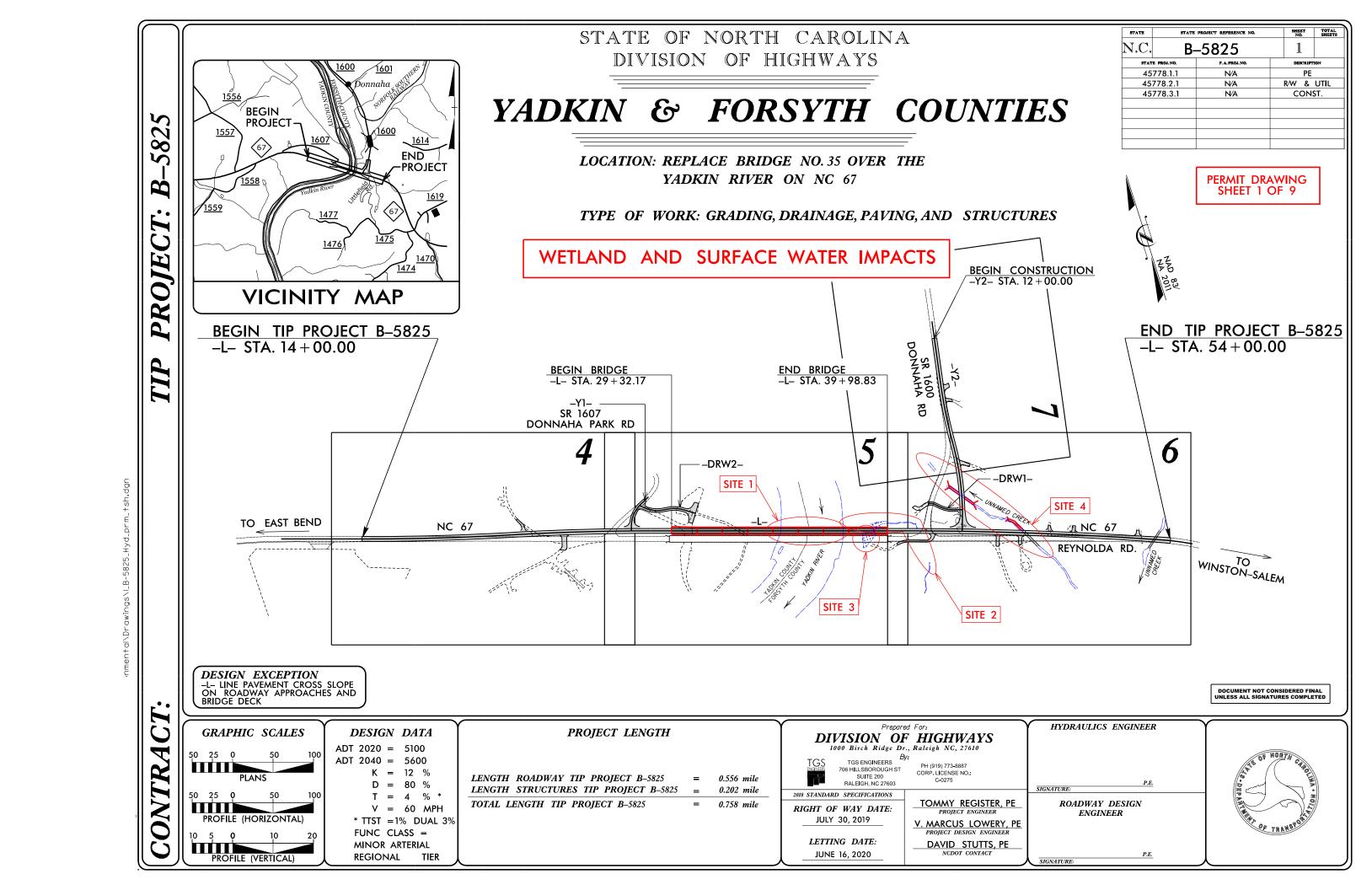
North Carolina Department of Transportation

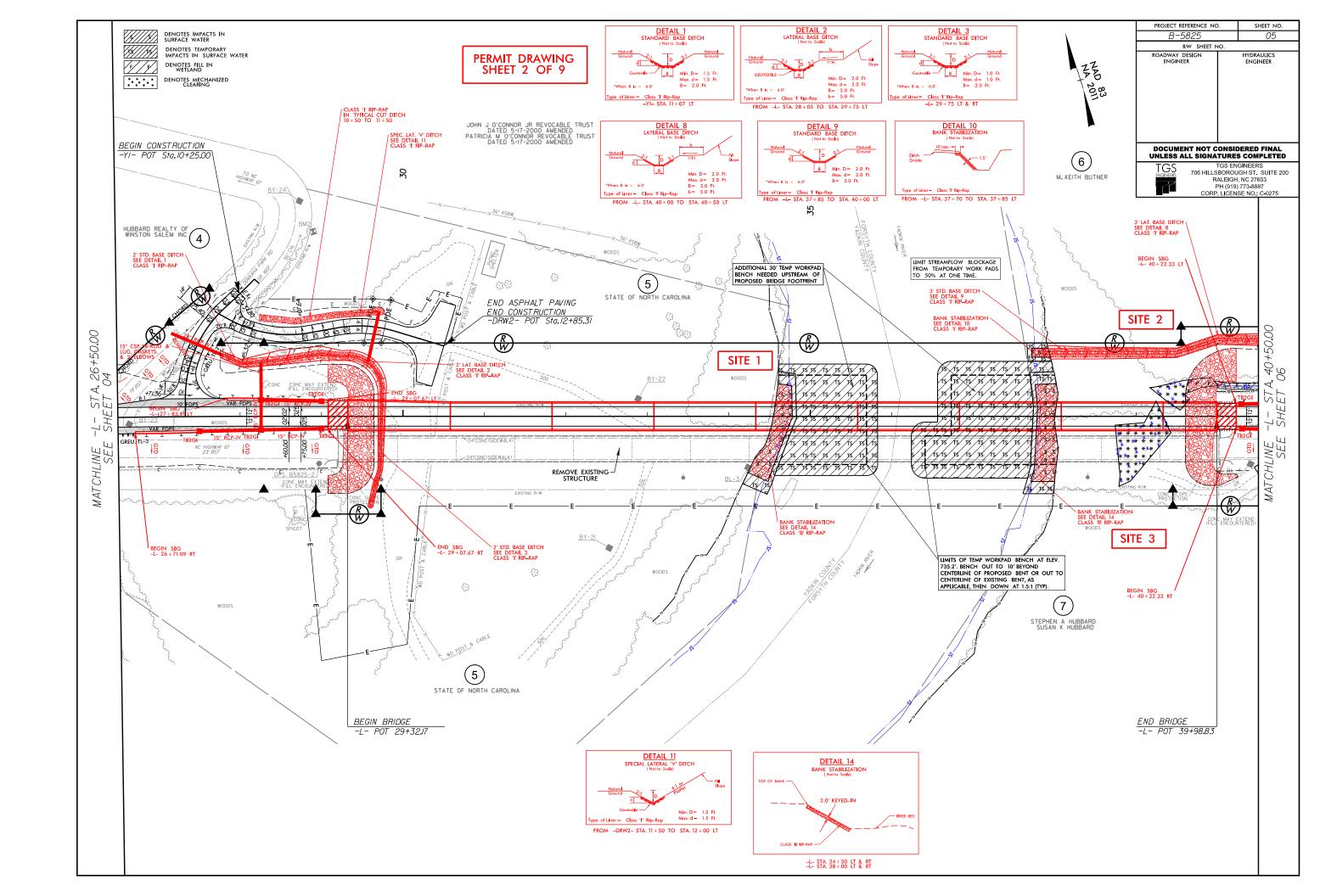


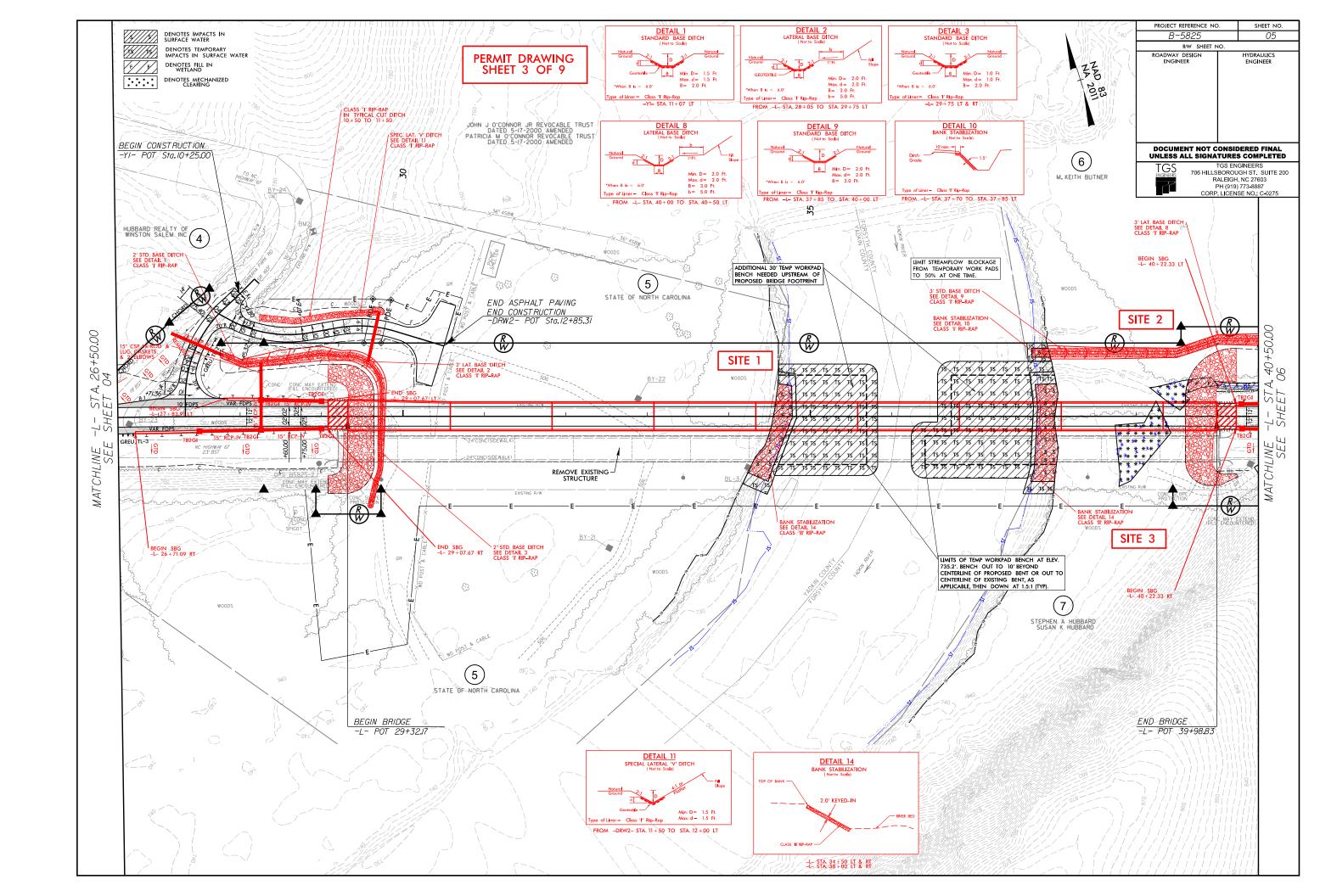
Highway Stormwater Program STORMWATER MANAGEMENT PLAN FOR NCDOT PROJECTS

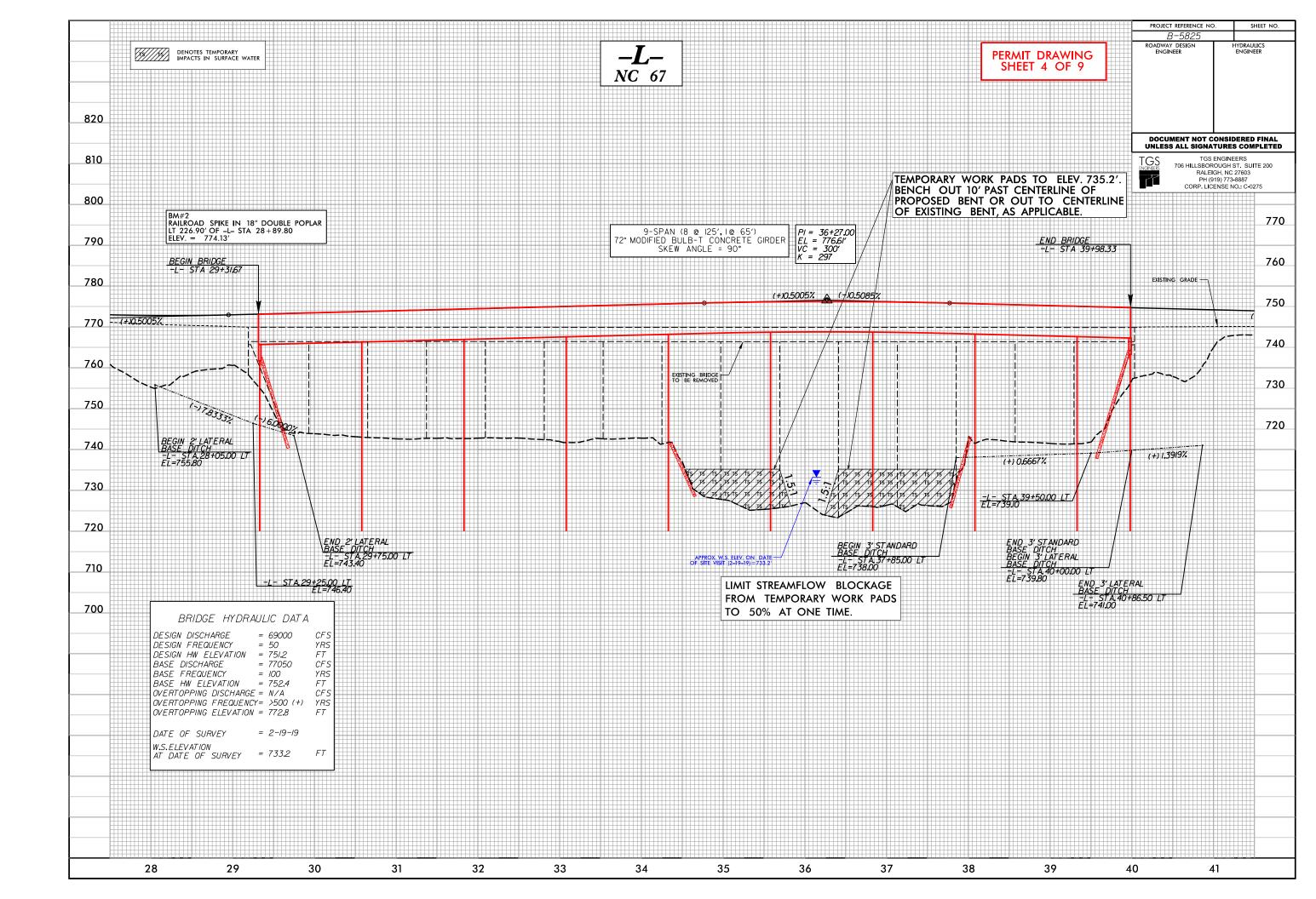
(Version 2.02; Released April 2015)

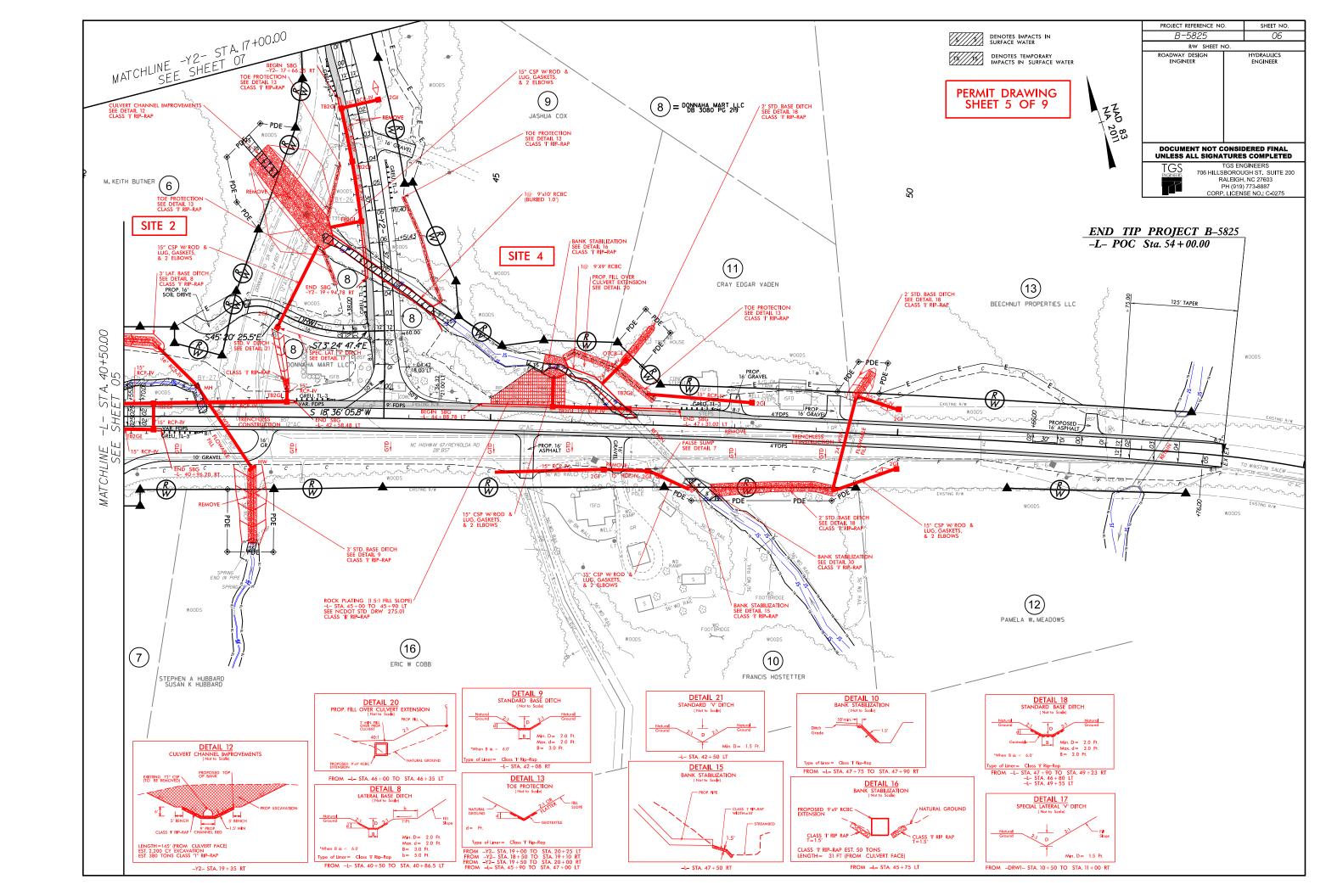
WBS Element: 45778.1.1 TIP No.: B-5825 County(ies): Forsyth Yadkin Page **Additional Waterbody Information** Surface Water Body (2): UT to Yadkin River NCDWR Stream Index No.: N/A Primary Classification: Water Supply IV (WS-IV) NCDWR Surface Water Classification for Water Body Supplemental Classification: None Other Stream Classification: None Impairments: None No Aquatic T&E Species? Comments: NRTR Stream ID: SC Buffer Rules in Effect: Project Includes Bridge Spanning Water Body? Deck Drains Discharge Over Buffer? Dissipator Pads Provided in Buffer? N/A No (If ves. provide justification in the General Project Narrative) (If ves. describe in the General Project Narrative; if no. justify in the Deck Drains Discharge Over Water Body? No General Project Narrative) (If yes, provide justification in the General Project Narrative) Surface Water Body (3): NCDWR Stream Index No.: Primary Classification: NCDWR Surface Water 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 Water Body? Deck Drains Discharge Over Buffer? **Dissipator Pads Provided in Buffer?** (If yes, provide justification in the General Project Narrative) (If yes, describe in the General Project Narrative, if no, justify in the Deck Drains Discharge Over Water Body? General Project Narrative) (If yes, provide justification in the General Project Narrative) NCDWR Stream Index No.: Surface Water Body (4): Primary Classification: NCDWR Surface Water 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 Water Body? Deck Drains Discharge Over Buffer? Dissipator Pads Provided in Buffer? (If yes, describe in the General Project Narrative; if no, justify in the (If yes, provide justification in the General Project Narrative) Deck Drains Discharge Over Water Body? General Project Narrative) (If yes, provide justification in the General Project Narrative) Surface Water Body (5): NCDWR Stream Index No.: Primary Classification: NCDWR Surface Water 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 Water Body? Deck Drains Discharge Over Buffer? Dissipator Pads Provided in Buffer? Deck Drains Discharge Over Water Body? (If yes, provide justification in the General Project Narrative) (If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative) (If yes, provide justification in the General Project Narrative)

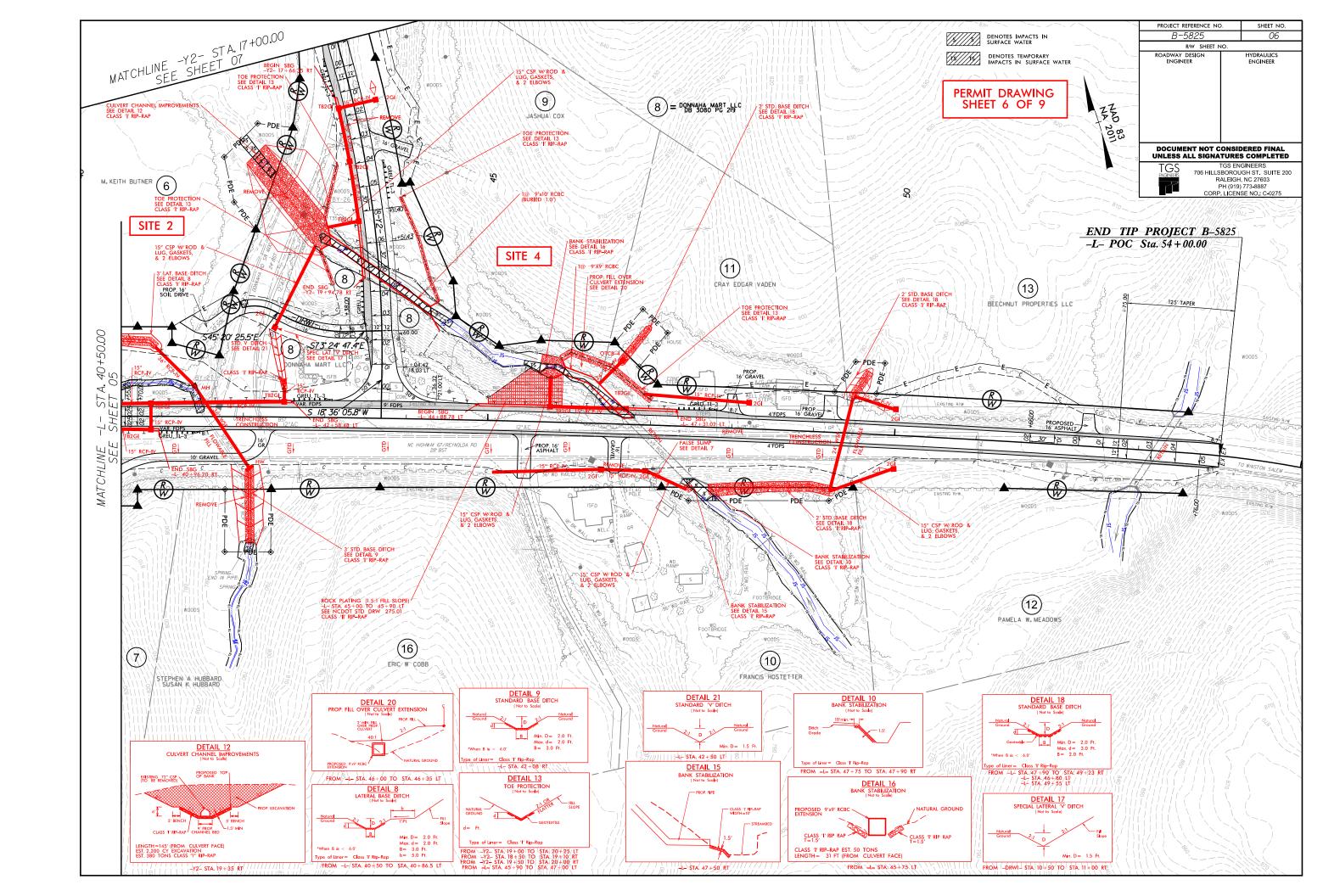


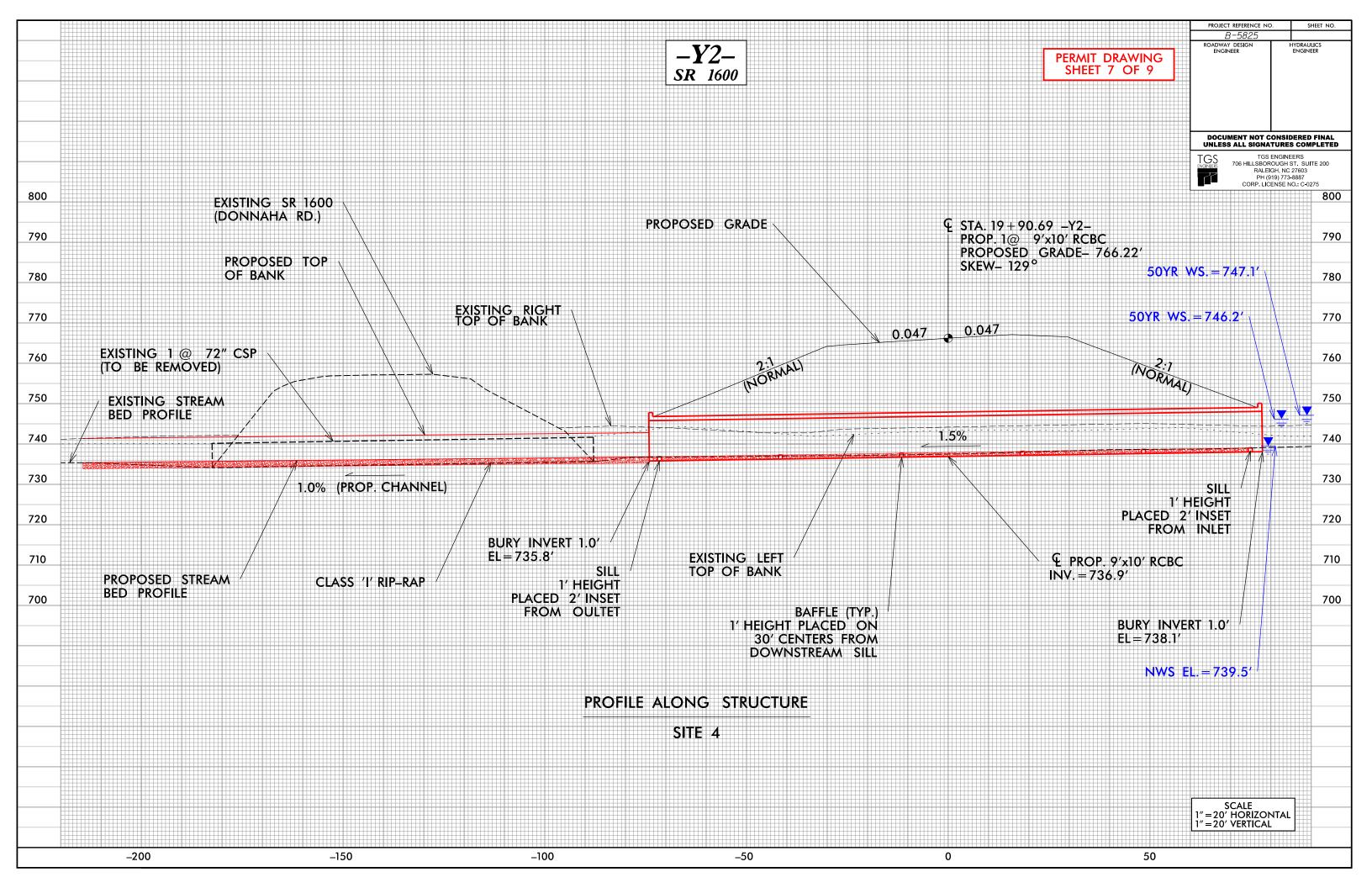


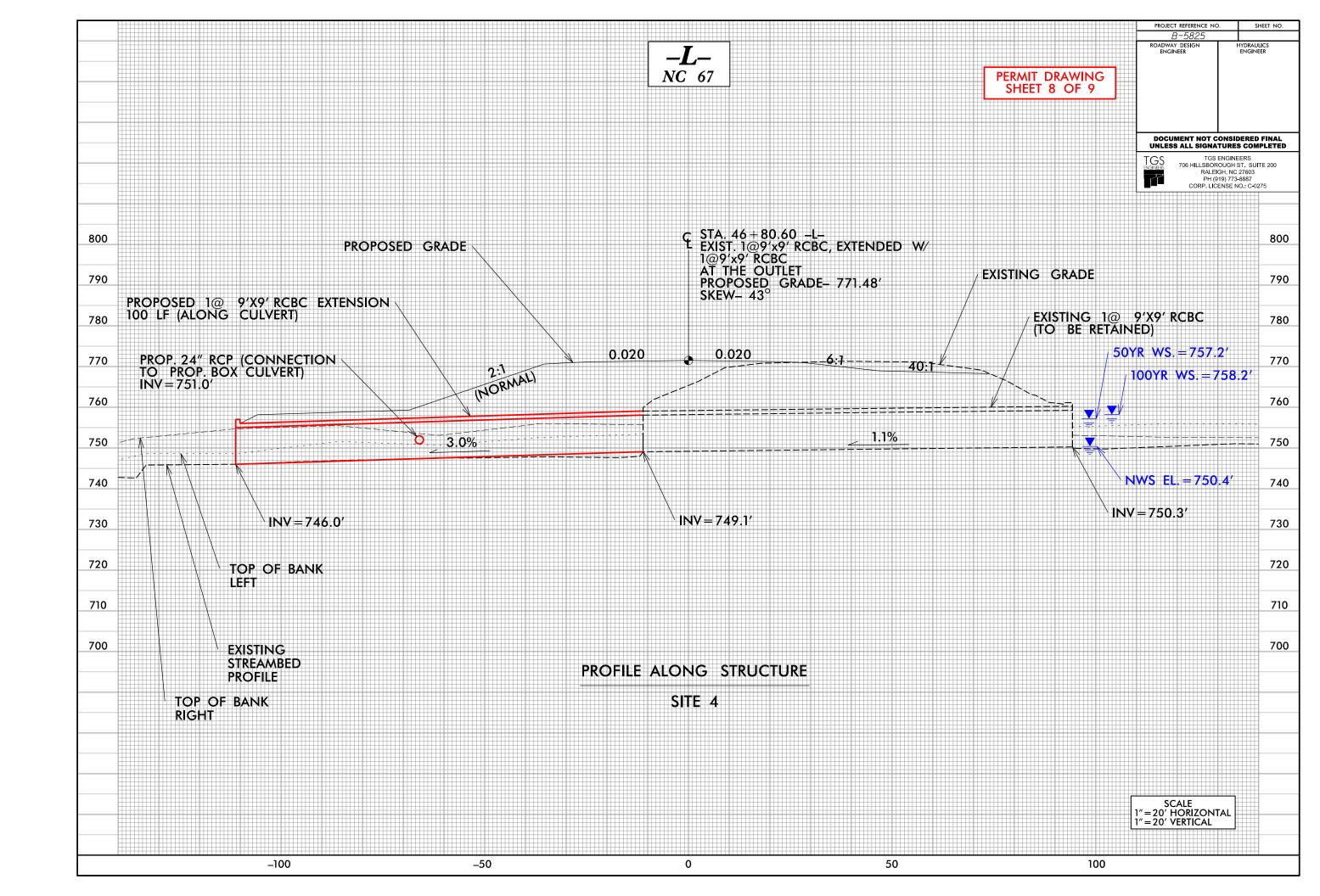












			WE.	TLAND A	ND SURAC	CE WATER	IMPACTS	SUMMARY	Y			
			WETLAND IMPACTS SURF				SURFACE WATER IMPACTS					
							Hand			Existing	Existing	
			Permanent	Temp.	Excavation	Mechanized	Clearing	Permanent	Temp.	Channel	Channel	Natural
Site	Station	Structure	Fill In	Fill In	in	Clearing	in	SW	SW	Impacts	Impacts	Stream
No.	(From/To)	Size / Type	Wetlands	Wetlands	Wetlands	in Wetlands	Wetlands	impacts	impacts	Permanent	Temp.	Design
			(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(ft)	(ft)	(ft)
1	-L- 34+15 to 38+05 LT & RT	Temporary Workpads							0.77		14	
1	-L- 34+25 to 38+05 LT & RT	Bank Stabilization						0.13	0.08	134	43	
2	-L- 40+00 to 41+50 LT	Stream Relocation						0.01		168		
2	-L- 39+15 to 40+00 LT	Permanent Fill / Mechanized Clearing in Wetlands	0.01			0.02						
2	-L- 42+00 to 42+15 RT	3' Standard Base Ditch							< 0.01		12	
3	-L- 38+75 to 39+45 RT	Mechanized Clearing in Wetlands				0.08						
4	-Y2- 17+85 to 18+50 RT	Culvert Channel Improvements						< 0.01	< 0.01	34	26	
4	-Y2- 19+35 RT to 20+55 LT	Prop. 1 @ 9' x 10' RCBC						0.03	< 0.01	165	30	
4	-L- 45+40 to 45+90 LT	Bank Stabilization						< 0.01	< 0.01	31	20	
4	-L- 45+90 to 46+70 LT	Prop. 1 @ 9' x 9' RCBC Extension						0.02		99		
4	-L- 47+40 to 47+90 RT	Bank Stabilization						< 0.01	< 0.01	32	11	
TOTAL	S*:	•	0.01			0.10		0.21	0.87	663	156	

^{*}Rounded totals are sum of actual impacts

NOTES:

- 1. <0.01 acres of Permanent SW impacts for bridge interior bents at -L- 35+58 and 36+83.
- 2. <0.01 acres of Permanent Wetland impacts bridge for interior bents at -L- 39+33.
- 3. Site 1 Temporary Worpads Temporary stream impact length shown is the remainder of stream length between abutting bank stabilization impacts covered by the workpad footprint.

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
2/26/20

YADKIN AND FORSYTH COUNTIES

B-5825 45778.1.1

SHEET 9 OF

Revised 2018 Feb

STIP No.: <u>B-5825</u> WBS No.: <u>45778.1.1</u>

Project Location: Bridge No. 980035 on NC 67 (Reynolda Road) over the Yadkin River in Yadkin and Forsyth Counties.

Project Description: The proposed project involves replacing Bridge No. 980035 on NC 67 over the Yadkin River in Yadkin and Forsyth Counties. Right-of-way acquisition and construction are scheduled for state fiscal year 2020.

The replacement structure will be a 72-inch girder bridge approximately 1,065-feet long providing a minimum clear roadway width of 32-feet on new alignment to the north. The bridge will include two 12-foot travel lanes, 4-foot offsets, and bicycle safe rails. The bridge length is based on preliminary design information and is set by hydraulic requirements. The roadway grade of the new structure will be raised from 3-feet to 6-feet.

The 72" Corrugated Metal Pipe (CMP) on SR 1600 (Donnaha Road) over an unnamed tributary to the Yadkin River will be replaced with a single 9' x 10' Reinforced Box Culvert (RCBC). The existing single 9' x 9' RCBC on NC 67 (Reynolda Road) over an unnamed tributary to the Yadkin River east of Bridge No. 980035 will be retained and extended.

Project construction on NC 67 (Reynolda Road) will extend approximately 1,533-feet from the west end of the new bridge and 1,402-feet from the east end of the new bridge. The approaches will be widened to provide two 12-foot travel lanes with 8-foot shoulders (11-feet with guardrail) including 4-foot paved.

Project construction on SR 1600 (Donnaha Road) will extend approximately 968-feet north from NC 67. SR 1600 will be realigned and widened to improve the sight distance to the west. The realignment of SR 1600 to the east will include two 12-foot travel lanes with 8-foot shoulders (11-feet with guardrail).

NC 67 has a functional classification of Minor Arterial and will be designed using Regional Tier Guidelines with a 60 mile per hour design speed.

Traffic will be maintained on-site using the existing bridge and roadway alignment during construction (see Figure 1).

Anticipated Permit or Consultation Requirements: A Section 404 Nationwide Permit (NWP) No. 33 will likely be applicable. An NWP No. 33 may also apply for temporary construction activities that are often used during bridge construction or rehabilitation. The USACE holds the final discretion as to what permit will be required to authorize project construction. If a Section 404 permit is required, then a corresponding Section 401 Water Quality Certification from NCDWR will also be required.

Special Project Information:

Purpose and Need: The purpose of the proposed project is to replace a structurally deficient bridge. NCDOT records indicates Bridge 980035 has a sufficiency rating of 4 out of a possible 100 for a new structure. The bridge is considered structurally deficient due to a superstructure appraisal of 3 out of 9 according to Federal Highway Administration standards.

Design Exception: Design exception required for the pavement cross slope on NC 67.

Relocations: One relocation is anticipated with the proposed project. The Donnaha Mart on the corner of NC 67 (Reynolda Road) and SR 1600 (Donnaha Road) will be impacted due to realignment of NC 67.

Environmental Commitments: The list of project commitments (green sheets) are located at the end of the checklist.

Pedestrian and Bicycle Accommodations: The bridge is located on a designated bike route. The Division of Bicycle and Pedestrian Transportation recommends that the replacement bridge include a minimum 4-foot paved shoulders (5-foot preferred) with bicycle-safe railing. The railing should be at least 42 inches high, with heights of 48 and 54 inches recommended for moderate hazards such as winds, high traffic and speeds of vehicles, and/or high drop-off to the ground surface.

The design will include 4-foot paved shoulders and bicycle safe rails to accommodate bicyclists.

Bridge Demolition: Bridge No. 980035 is constructed of concrete and steel and should be possible to remove with no resulting debris in the water based on standard demolition practices.

Public Involvement: A landowner notification letter was sent to all property owners affected by this project. Property owners were invited to comment. No comments have been received to date.

PAF	RT A: MINIMUM CRITERIA	YES	NO
	the proposed project listed as a type and class of activity allowed under the linimum Criteria Rule in which environmental documentation is <u>not</u> required?		
	e answer to number 1 is "no," then the project <u>does not</u> qualify as a minimum or ronmental assessment is required.	criteria project	. A state
If ye	s, under which category? Category 8		
<u>PAF</u>	RT B: MINIMUM CRITERIA EXCEPTIONS		
2.	Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse air quality impacts?	YES	NO
3.	Will the proposed activity have secondary impacts or cumulative impacts that may result in a significant adverse impact to human health or the environment?		
4.	Is the proposed activity of such an unusual nature or does the proposed activity have such widespread implications that an uncommon concern for its environmental effects has been expressed to the Department?		

5.	Does the proposed activity have a significant adverse effect on wetlands; surface waters such as rivers, streams, and estuaries; parklands; prime or unique agricultural lands; or areas of recognized scenic, recreational, archaeological, or historical value?		
6.	Will the proposed activity endanger the existence of a species on the Department of Interior's threatened and endangered species list?		
7.	Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse water quality or ground water impacts?		
8.	Is the proposed activity expected to have a significant adverse effect on long-term recreational benefits or shellfish, finfish, wildlife, or their natural habitats?		
PAF	RT C: COMPLIANCE WITH STATE AND FEDERAL REGULATIONS	\/ 5 0	
9.	Is a federally protected threatened or endangered species, or its habitat, likely to be impacted by the proposed action?	YES	NO
10.	Does the action require the placement of temporary or permanent fill in waters of the United States?		
11.	Does the project require the placement of a significant amount of fill in high quality or relatively rare wetland ecosystems, such as mountain bogs or pine savannahs?		
12.	Is the proposed action located in an Area of Environmental Concern, as defined in the coastal Area Management Act?		
13.	Does the project require stream relocation or channel changes?		
Cult	ural Resources		
14.	Will the project have an "effect" on a property or site listed on the National Register of Historic Places?		
15.	Will the proposed action require acquisition of additional right of way from publicly owned parkland or recreational areas?		

Response to Question 9: Threatened and Endangered Species

<u>Small-anthered Bittercress</u>: Suitable habitat is present within the project study area, however, this species is only known to occur in the Dan River drainage of the Roanoke River Basin. A review of the NCNHP records, updated April 2019, indicates no known occurrences of the small-anthered bittercress within 1.0 mile of the project study area. Due to the lack of habitat, a biological conclusion of NO EFFECT has been rendered for this species.

Northern Long-eared Bat (NLEB): A review of NCNHP records, updated April 2019, indicates no known occurrences of the NLEB within 1.0 mile of the project study area. The nearest hibernacula record is 77 miles southwest of the project study area. There are no known NLEB roost trees within 150 feet of the project area. 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. NCDOT may presume its determination is informed by best available information and consider Section 7 responsibilities fulfilled for NLEB.

Response to Question 10: Waters of the Unites States

Three jurisdictional streams (totaling approximately 900 linear feet) and two jurisdictional wetlands (totaling approximately 0.05 acres) were identified within the study area. Exact impact acreages, including required extent of fill placement, will be determined during final design. The amount of water resources and wetlands within the study area, described above, represents the maximum extent of potential fill in Waters of the United States. NCDOT will be pursing the required USACE and NCDWR permits.

Response to Question 15: Parkland

Donnaha Park is owned by the State of North Carolina and is not a Section 6(f) resource. The land was donated to the State of North Carolina by the United States of America as a recreational use for the traveling public and as a source for roadway materials in connection with the maintenance and operation of a public highway.

Donnaha Park will be impacted with the proposed project due to the relocation of Donnaha Road. The Park will be closed during construction.

PART D: (To be completed when either category #8, 12(i) or #15 of the rules are used.)

Project length: 0.758-miles

Right of Way width: Variable 100-feet to 220-feet

Project completion date: June 2022

Total acres of newly disturbed ground surface: 7-acres

Total acres of wetland impacts: 0.05-acre

Total linear feet of stream impacts: 900-linear feet permanent

Project purpose: The purpose of the proposed project is to replace a structurally deficient bridge. NCDOT

records indicates Bridge 980035 has a sufficiency rating of 4 out of a possible 100 for a new structure. The bridge is considered structurally deficient due to a superstructure

appraisal of 3 out of 9 according to Federal Highway Administration standards.

If Part D of the checklist is completed, send a copy of the entire checklist document to:

David B. Harris, PE State Roadside Environmental Engineer Mail Service Center 1557 Raleigh, NC 27699-1557 (919) 707-2920

TGS Engineers

Fax: (919) 715-2554

Email: davidharris@ncdot.gov

Reviewed by:	Cocusigned by: Yevin Fischer ED19A18D98EC496 Kevin Fischer, PE, Assistant State Structures Engineer NCDOT, Structures Management Unit		7/12/2019	2:50 F —	PM EDT
Prepared by:	DocuSigned by:				
	DocuSigned by: Stacy Oberhausen ====================================	Date:	7/12/2019	11:15	AM PDT
	Stacy R Oberhausen PF CPM	_			

PROJECT COMMITMENTS

STIP No. B-5825
WBS No. 45778.1.1
Bridge No. 35 on NC 67 over the Yadkin River
Yadkin and Forsyth Counties

NCDOT Hydraulic Design Unit – FEMA Coordination

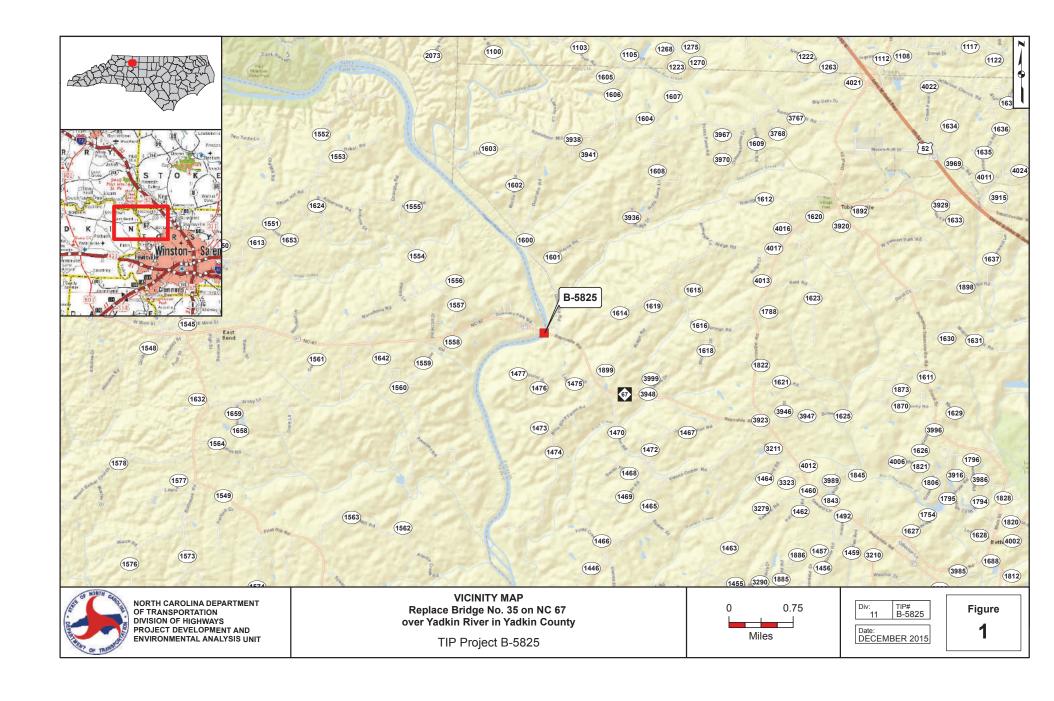
The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP) to determine the status of the project with regard to applicability of NCDOT'S Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).

Division Construction - FEMA

This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

Division 11 – Donnaha Park

Donnaha Park will be closed during construction. NCDOT will maintain coordination with Yadkin County Parks and Recreation during construction.





STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

April 11, 2017

TO: Michael Turchy, Environmental Program Consultant

Environmental Coordination & Permitting Group Western, NES - PDEA

CC: Angela Sanderson, Project Engineer

Project Development Group - Western Region, PDEA

FROM: Chris Manley, Environmental Program Consultant

Biological Surveys Group, NES - PDEA

SUBJECT: Streamline Section 7 Consultation for the Northern Long-Eared Bat associated

with the replacement of Bridge No. 35 over the Yadkin River on NC 67 in

Yadkin County, TIP No. B-5825.

The North Carolina Department of Transportation (NCDOT, Division 11) proposes to replace Bridge No. 35 over the Yadkin River on NC 67 in Yadkin County, TIP No. B-5825. The existing bridge is a 15 span reinforced concrete, continuous I-beams structure with concrete guardrails. The overall length of the structure is 1084 feet. Construction plans for the new structure have not been finalized as of this writing.

The project to replace Bridge No. 35 has been reviewed for effects on the northern long-eared bat (NLEB). As of May 4, 2015, NLEB is listed by the U.S. Fish and Wildlife Service (USFWS) as "Threatened" under the Endangered Species Act of 1973. As of April11, 2017, NLEB is listed by USFWS (http://www.fws.gov/raleigh/species/cntylist/nc_counties.html) as "Probable/Potential" in Yadkin 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 ½ mile radius of known NLEB hibernacula; or 2) cuts or destroys known occupied maternity roost trees, or any other trees within a 150-foot radius from the known maternity tree during the pup season (June 1-July 31).

According to the North Carolina Natural Heritage Program (NHP) Biotics Database, most recently updated January 2017, the nearest NLEB hibernacula record is 77 miles southwest of the project (EO ID 32171) and no known NLEB roost trees occur within 150 feet of the project area. EO 32171 represents Black Rock Cliffs site with multiple observations from 1986 to 2011.

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.

16-01-0080



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 I	NFORMATION			
Project No: B-5825		County:	Yadkin	
WBS No:	S No: 45778.1.1		Categor	ical Exclusion
F.A. No:		Funding:	⊠ State	e Federal
Federal Pern	nit Required?	Yes No	Permit Type:	Nationwide
Counties. The and 75 meters	he Area of Potents (250 ft.) wide. I	•	approximately ovided.	River in Yadkin and Forsyth 620 meters (2,033 ft.) long
the subject property of the su	roject and determinate are no National For potential effects obsurface archaeolarface investigation are deligible for entified archaeolaliance for	Register listed ARCHAE Action any notes or delogical investigations we are did not reveal the presented in the present the National Register.	COLOGICAL Socuments as new required for esence of any areas on the APE have ection 106 of the color of the transfer of the tra	this project. chaeological resources. chaeological resources e been considered and all ne National Historic
<i>Brief descrip</i> see attached	· ·	tivities, results of review	, and conclusio	ons:
SUPPORT I	OCUMENTAT	ION		
See attached:	Map(s) [Other:	Previous Survey Info	N Photos	Correspondence
Signed: CALEB SMIT				1/4/2017
NCDOT ARG	CHAEOLOGIST			Date

16-01-0080



HISTORIC ARCHICTECTURE AND LANDSCAPES NO HISTORIC PROPERTIES PRESENT OR AFFECTED FORM

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

PROJECT INFORMATION

Projec	ct No:	B-5825		County:	Yadkin				
WBS	<i>No.</i> :	45778.1.1		Document Type:	CE				
Fed. A	Aid No:	E.		Funding:	State	Federal			
Feder Permi		⊠ Yes □	No	Permit Type(s):	NWP				
1000000	c <i>t Descriptio</i> ce Bridge N	0000000	7 over Yadkin	River.					
	SUMMAR	Y OF HISTO	RIC ARCHIC	TECTURE A	ND LANDS	CAPES REVIEW			
\boxtimes	There are r		egister-listed or	Study Listed pr	operties with	nin the project's area of			
\boxtimes	There are r	no properties l				d to meet Criteria			
	 Consideration G within the project's area of potential effects. There are no properties within the project's area of potential effects. There are properties over fifty years old within the area of potential effects, but they do not meet the criteria for listing on the National Register. 								
\boxtimes	There are r				nis project.	(Attach any notes or			
				Date of fi	<mark>eld visit</mark> : n/a	ı			

Description of review activities, results, and conclusions:

Review of HPOGIS web service was undertaken on February 5, 2016. Based on this review, there are no existing NR, DE, LL, SL or SS properties in the project area. One house constructed in 1945 and one store built in 1940 are within the Area of Potential Effects; however neither the house nor the store possess the architectural integrity and/or distinction to meet the criteria for National Register listing either individually or as a historic district.. The bridge itself, Yadkin County Bridge No. 67, was built in 1950. The structure does not exemplify any distinctive engineering or aesthetic type and is not eligible for the National Register of Historic Places. No historic properties will be affected by this project.

SUPPORT DOCUMENTATION Map(s) Previous Survey Info. Photos Correspondence Design Plans FINDING BY NCDOT ARCHITECTURAL HISTORIAN Historic Architecture and Landscapes – NO HISTORIC PROPERTIES PRESENT OF AFFECTED Shully Reap Feb 5, 2016 NCDOT Architectural Historian Date

