



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

JOSH STEIN  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

July 9, 2025

MEMORANDUM TO: Division Environmental and Construction Units

FROM: *mat* Michael A. Turchy, ECAP Group Leader  
Environmental Analysis Unit

SUBJECT: Environmental Permits for the Replacement of Bridge 6 on I-77 NBL over  
Yadkin River, NC 268, and Norfolk Southern RR in Surry and Yadkin  
Counties, Division 11, **TIP: B-5831.**

Please find enclosed the following permits for this project:

Agency	Permit Type	Permit Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Regional General Permit 50	May 25, 2030
NC Division of Water Resources Section 401 Water Quality Certification	General Certification No. 7679 [RGP50] [non-notifying]	May 25, 2030

Work is authorized by the above referenced permit provided it is accomplished in strict accordance with the permitted plans. The Environmental Coordination and Permitting Group or the Division Environmental Office must be consulted if any deviation from the permit(s) is required.

The General Conditions and Certifications for Nationwide and Regional Permits can be referenced at:  
[https://xfer.services.ncdot.gov/pdea/PermIssued/\\_General\\_Conditions\\_and\\_Certifications/](https://xfer.services.ncdot.gov/pdea/PermIssued/_General_Conditions_and_Certifications/)

The Project Commitments "Greensheet" is located on the Preconstruction SharePoint Dashboard at:  
<https://connect.ncdot.gov/site/preconstruction>



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT  
WRDA/TRANSPORTATION BRANCH  
3331 HERITAGE TRADE DRIVE SUITE 105  
WAKE FOREST NC 27587

July 9, 2025

Regulatory Program/Division  
SAW-2025-01246

Sent Via Email: wabarrett@ncdot.gov

William Barrett  
ECAP  
North Carolina Department of Transportation  
1598 Mail Service Center  
Raleigh, NC 27699-1598

Dear Mr. Barrett:

This letter is in response to the application you submitted to the Wilmington District, WRDA/Transportation Branch on June 18, 2025, for a Department of the Army general permit verification. This project has been assigned the file number SAW-2025-01246 and is known as NCDOT\_B-5831\_I-77 north-bound\_Br6-YadkinR. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include replacing a bridge, temporarily impacting 0.375 acre of the Yadkin River for two temporary construction workpads. The project area for this determination is illustrated on the enclosed site plans. The project is located on I-77, Northbound Bridge No. 6 over the Yadkin River, at Latitude 36.250470 and Longitude -80.820820; east of Elkin, Surry and Yadkin Counties, North Carolina.

We have determined that the proposed work is authorized by RGP 50: Work associated with bridge construction, widening, replacement, and interchanges, pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the enclosed general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans *PERMIT DRAWINGS SHEETS 1 – 5 of 5, REPLACE BRIDGE NO. 6 OVER YADKIN RIVER, NORFOLK SOUTHERN RAILROAD, AND NC 268 ON I-77 NBL*, received June 18, 2025. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised application must be submitted to this office for written approval before work is initiated. Any deviation from the terms and conditions of the permit, or your submitted plans, may subject the permittee to enforcement action.

This verification is valid until May 25, 2030, unless the subject general permit(s) is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the general permit.

**Project Specific Special Conditions:**

1. **Temporary workpads:** Only one temporary workpad will be in place at any time during construction. The proposed workpads will not block more than 50% of Yadkin River at any one time.
2. **NCWRC Recommendations:** All recommendations in the attached letter from the North Carolina Wildlife Resources Commission dated June 23, 2025, are hereby incorporated as special conditions of this permit.
3. **Bat PBO:** The permittee must comply with all conservation measures in the PBO titled "Programmatic Biological and Conference Opinion and Programmatic Conference Report, Five Imperiled Bat Species in Western North Carolina", dated April 1, 2025.

This general permit verification and any associated authorizations does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Eric Alsmeyer, Regulatory Project Manager of the WRDA/Transportation Branch at 919.817.1570, by mail at the above address, or by email at [eric.c.alsmeyer@usace.army.mil](mailto:eric.c.alsmeyer@usace.army.mil). Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,

A handwritten signature in black ink that reads "M. Scott Jones". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

M. Scott Jones, PWS  
WRDA / Transportation Branch Chief

Enclosures

<b>U.S. Army Corps of Engineers (USACE)</b> <b>CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT</b> For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.		<b>Form Approved -</b> <b>OMB No. 0710-0003</b> <b>Expires 2027-10-31</b>
<b>The Agency Disclosure Notice (ADN)</b> The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at <a href="mailto:whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil">whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil</a> . Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.		
<b>PURPOSE:</b> This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.  Your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.		
Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Wilmington District, Regulatory Office.  The certification can be submitted by email at <a href="mailto:Eric.C.Alsmeier@usace.army.mil">Eric.C.Alsmeier@usace.army.mil</a> or by mail at the below address:  <div style="text-align: center;">             U.S. Army Corps of Engineers, Wilmington District              Raleigh Field Office              Street Address: 3331 Heritage Trade Dr, Suite 105              City: Wake Forest     State: NC     Zip Code: 27587           </div>		
<b>COMPLETED BY THE CORPS</b>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Corps Action Number:</div> <div style="width: 70%; border-bottom: 1px solid black;">SAW-2025-01246</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;">Permit Type:</div> <div style="width: 70%; border-bottom: 1px solid black;">General Permit</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;">General Permit Number and Name (if applicable):</div> <div style="width: 70%; border-bottom: 1px solid black;">RGP 50: Work associated with bridge construction, widening, replacement, and interchanges</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;">Name of Permittee:</div> <div style="width: 70%; border-bottom: 1px solid black;">William Barrett</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;">Project Name:</div> <div style="width: 70%; border-bottom: 1px solid black;">NCDOT_B-5831_I-77 north-bound_Br6-YadkinR</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;">Project Location (physical address):</div> <div style="width: 70%; border-bottom: 1px solid black;">Elkin, North Carolina</div> </div>		
<b>PERMITTEE'S CERTIFICATION</b>		
<div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <div style="width: 30%;">Date Work Started:</div> <div style="width: 70%; border-bottom: 1px solid black;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Date Work Completed:</div> <div style="width: 70%; border-bottom: 1px solid black;"></div> </div> <p>Enclose photographs showing the completed project (if available).</p> <p>I _____ hereby certify that the work authorized by the above referenced permit has been completed in accordance with all of the permit terms and conditions, and that any required compensatory mitigation has been completed in accordance with the permit conditions.</p>		
Name	Date	Signature



## ▣ North Carolina Wildlife Resources Commission ▣

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M. Kyle Briggs, Executive Director

June 23, 2025

Lori Beckwith

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

**SUBJECT:** Comments on GP/WQC Application for Replacement of Bridge 6 on I-77 over Yadkin River and Norfolk Southern Railroad, Surry and Yadkin Counties.  
**B-5831**, WBS 45784

The North Carolina Department of Transportation (NCDOT) applied for a 404 Permit and 401 Certification for the subject project. The North Carolina Wildlife Resources Commission's (NCWRC) comments are offered to help conserve the wildlife resources affected by the project and to promote wildlife-based recreation in accordance with applicable provisions of the Clean Water Act of 1977 (33 U.S.C. 466 et seq.) and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661-667d).

The project will replace bridge number 6 which carries I-77 northbound over the Yadkin River and Norfolk Southern Railroad.

The NCWRC has no major concerns with this project and does not request special permit conditions. However, we do respectfully ask that the following requests be considered by NCDOT:

- 1) The bridge design will avoid rip rap plating on the river's floodplain. The NCWRC appreciates this design because retention of that unarmored condition will continue to allow unimpeded movements of a wide range of wildlife along the river corridor. The NCWRC would appreciate coordination should the design change to include floodplain armoring, perhaps using extracted causeway material, though we recognize this may be unlikely due to hydraulic capacity considerations.
- 2) The river at the bridge supports Brook Floater (*Alasmodonta varicose*), which is a state endangered mussel. The NCWRC would appreciate an invitation to the preconstruction meeting

or similar advance notification so that its biologists can consider surveying for and relocating any mussels from the causeway footprints. This may be possible pending suitable river conditions and staff availability.



Thank you for the opportunity to review and provide recommendations on this project. Please contact me at [david.mchenry@ncwildlife.gov](mailto:david.mchenry@ncwildlife.gov) or (828) 476-1966 if you have any questions about these comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dave McHenry', followed by a period.

Dave McHenry, NCWRC Western DOT Coordinator

cc: Kevin Hining, NCDOT Division 11 PDEA Engineer  
Chris Wood, NCDOT Division 11 Environmental Supervisor  
Kaylie Yankura, NCDEQ, DWR  
Erin Cheely, NCDOT Environmental Coordination & Permitting

		<div>North Carolina Department of Transportation</div> <div>Highway Stormwater Program</div> <div>STORMWATER MANAGEMENT PLAN</div> <div>FOR NCDOT PROJECTS</div>									
(Version 3.00; Released August 2021)											
WBS Element: 45784.1.2		TIP/Proj No: B-5831		County(ies): Surry Yadkin			Page 1 of 2				
General Project Information											
WBS Element:		45784.1.2		TIP Number:		B-5831		Project Type: Bridge Replacement		Date: 2/13/2024	
NCDOT Contact:		Tierre Peterson, PE				Contractor / Designer:		Rusty Lassiter (TGS Engineers)			
		Address: 1000 Birch Ridge Drive Raleigh, NC 27610						Address: 706 Hillsborough St. Raleigh, NC 27603			
		Phone: 919-707-6488						Phone: 919-773-8887 (Ext-121)			
		Email: <a href="mailto:trpeterson@ncdot.gov">trpeterson@ncdot.gov</a>						Email: <a href="mailto:rlassiter@tgsengineers.com">rlassiter@tgsengineers.com</a>			
City/Town:		Elkin				County(ies):		Surry		Yadkin	
River Basin(s):		Yadkin-Pee Dee				CAMA County?		No		No	
Wetlands within Project Limits?		No									
Project Description											
Project Length (lin. miles or feet):		0.371 miles		Surrounding Land Use:		Rural; Residential					
		Proposed Project				Existing Site					
Project Built-Up Area (ac.)		1.1		ac.		1.0		ac.			
Typical Cross Section Description:		Two 12-foot travel lanes with 4-foot paved shoulders inside to median and 12-foot paved shoulders outside NBL. NC 268 will be widened to the west under I-77 for 550-feet to include two 11-foot travel lanes with 6-foot shoulders (9-feet with guardrail)				Two 12-foot lanes with 3-foot shoulders inside to median and 10-foot paved shoulders outside of NBL. NC 268 has two 10-foot lanes with 5-foot grassed shoulders					
Annual Avg Daily Traffic (veh/hr/day):		Design/Future: 50,420		Year: 2045		Existing: 41,170		Year: 2025			
General Project Narrative: (Description of Minimization of Water Quality Impacts)		The proposed project replaces Bridge No. 6 on I-77 NBL over Yadkin River, Norfolk Southern Railroad, and NC 268 in Yadkin and Surry Counties . The replacement structure will be a 63-inch Florida I-beam bridge approximately 815-feet long, providing a minimum 48-feet clear roadway width. The proposed bridge will be replaced and constructed on existing alignment with two temporary workpads. Only one temporary workpad will be in place at anytime during construction Bridge No.6 is within the Yadkin-Pee Dee drainage basin and is not subject to riparian buffers. NC-SELDM was used to confirm the use of deck drains on the proposed bridge.No deck drains will be allowed to directly discharge into the Yadkin River. Additional stormwater runoff from the proposed bridge will flow to grated inlets at the south end of bridge where it will be diffused onto a rip rap pad. We are utilizing existing drainage pathways to the maximum extent practicable. Stormwater runoff is discharged as far away from the stream and at the lowest velocities as practicable.									



North Carolina Department of Transportation

Highway Stormwater Program  
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.00; Released August 2021)

WBS Element: 45784.1.2

TIP/Proj No.: B-5831

County(ies): Surry Yadkin

Page 2 of 2

General Project Information

Waterbody Information

Surface Water Body (1):	Yadkin River		NCDWR Stream Index No.:	12-(53)	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:				
Other Stream Classification:					
Impairments:	None				
Aquatic T&E Species?		Comments:			
NRTR Stream ID:	Yadkin River			Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	
Deck Drains Discharge Over Water Body?	Yes	(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)					
Surface Water Body (2):			NCDWR Stream Index No.:		
NCDWR Surface Water Classification for Water Body	Primary Classification:				
	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)					
Surface Water Body (3):			NCDWR Stream Index No.:		
NCDWR Surface Water Classification for Water Body	Primary Classification:				
	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)					



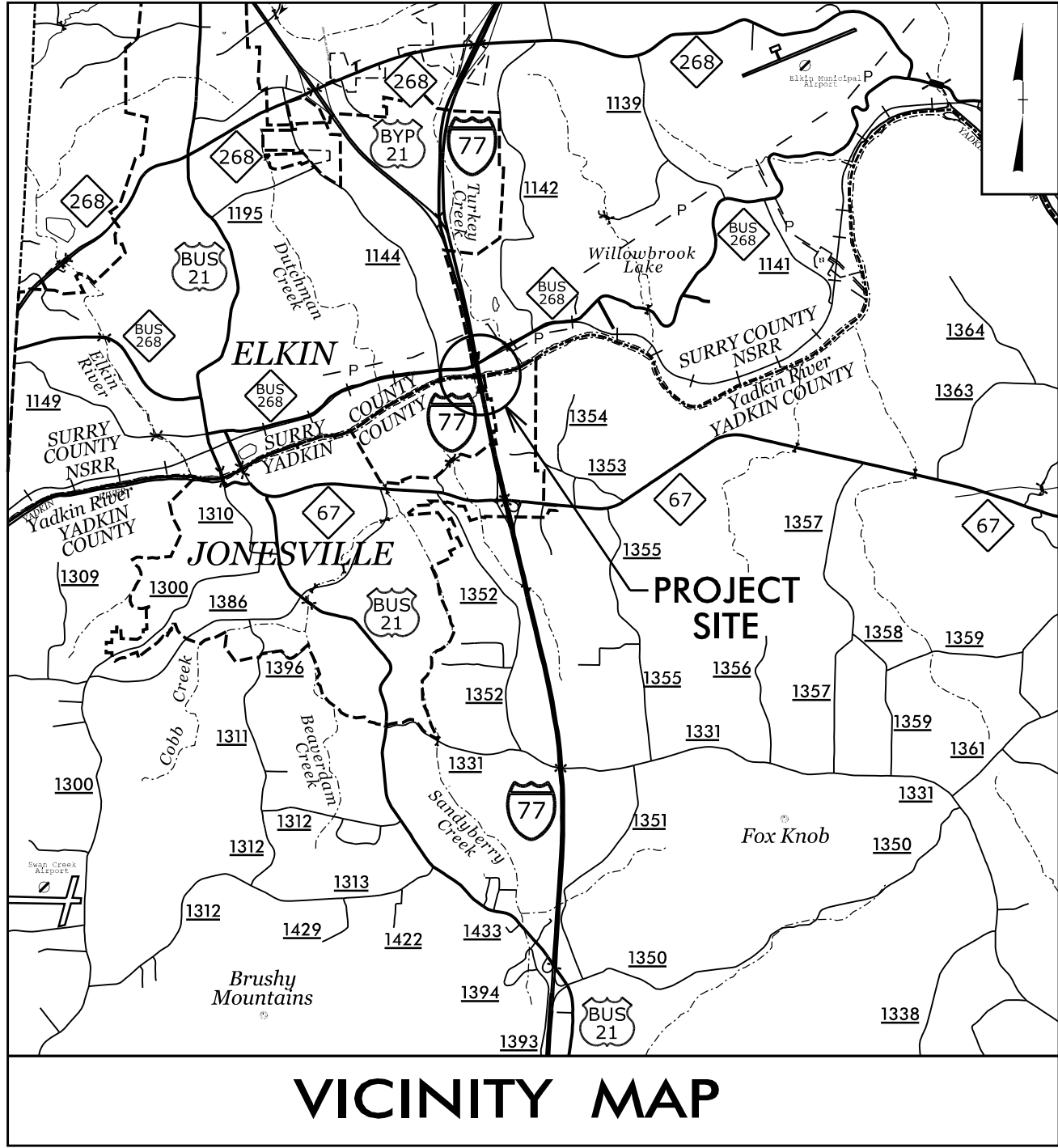
09/08/99

2/16/2024  
X:\NCDOT\B-5831\Hydraulics\PERMITS\_Environmental\Drawings\PSH\la\b5831\_prm\_t.sh.dgn  
User:maslitter

TIP PROJECT: B-5831

CONTRACT:

See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Plan Sheet Symbols  
See Sheet RW01 thru RW04 For Survey Control & Right-of-Way Sheets



VICINITY MAP

RIGHT-OF-WAY PLANS

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

YADKIN & SURRY COUNTIES

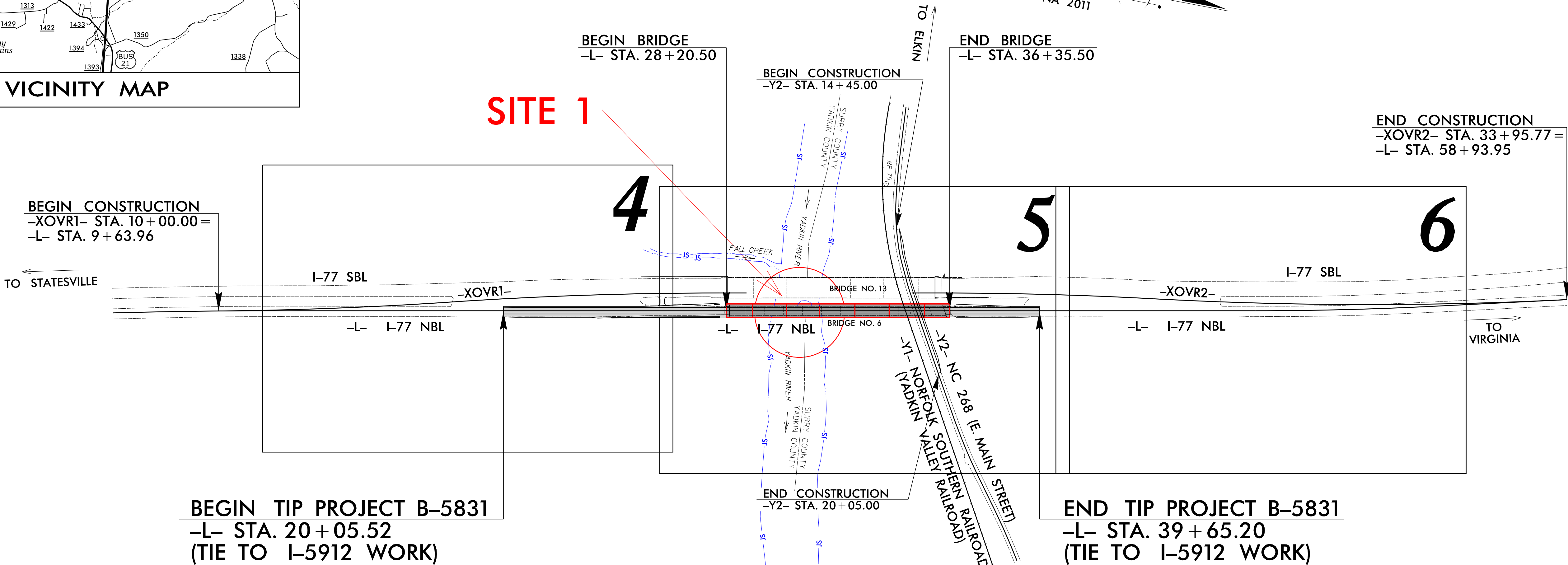
LOCATION: REPLACE BRIDGE NO. 6 OVER YADKIN RIVER,  
NORFOLK SOUTHERN RAILROAD, AND NC 268 ON I-77 NBL

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

WETLAND AND SURFACE WATER IMPACTS PERMIT  
2024.02.13

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5831	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45784.1.2		PE	
45784.2.1		RW, UTIL. CONST.	
	NHP-0077(006)		

PERMIT DRAWING  
SHEET 1 OF 5



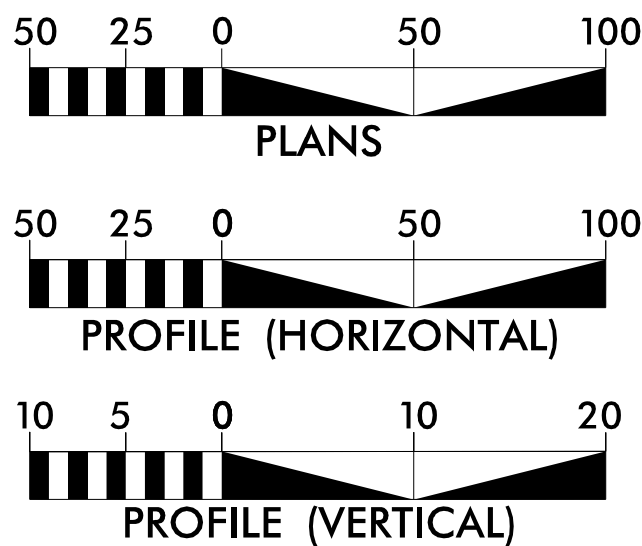
BEGIN TIP PROJECT B-5831  
-L- STA. 20+05.52  
(TIE TO I-5912 WORK)

END TIP PROJECT B-5831  
-L- STA. 39+65.20  
(TIE TO I-5912 WORK)

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.  
THIS PROJECT IS PARTIALLY WITHIN THE ELKIN CITY LIMITS MUNICIPAL BOUNDARY.  
THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2025 = 41,170  
ADT 2045 = 50,420  
K = 7 %  
D = 55 %  
T = 21 % \*  
V = 75 MPH  
\* (TTST 17% + DUAL 4%)  
FUNC CLASS = INTERSTATE  
STATEWIDE TIER DESIGN

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-5831 = 0.217 mile  
LENGTH STRUCTURES TIP PROJECT B-5831 = 0.154 mile  
TOTAL LENGTH TIP PROJECT B-5831 = 0.371 mile

Prepared For:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610



TGS ENGINEERS  
706 HILLSBOROUGH ST.  
SUITE 200  
RALEIGH, NC 27603

By:  
PH (919) 773-8887  
CORP. LICENSE NO.: C-0275

2024 STANDARD SPECIFICATIONS  
RIGHT OF WAY DATE:  
JANUARY 10, 2024

LETTING DATE:  
JUNE 17, 2025

V. MARCUS LOWERY, P.E.  
PROJECT ENGINEER

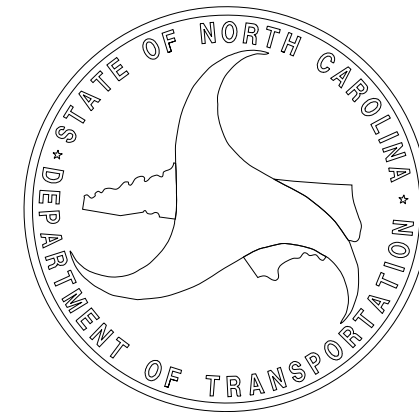
DAVID STUTTS, P.E.  
NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN  
ENGINEER

SIGNATURE: P.E.











X:\NCDOT\B-5831\Hydraulics\PERMITS\_Environmental\Drawings\PSH\4)b5831-prm-pf1-07.dgn

FOR -L- PLAN SEE SHEETS 04 & 05

## WETLAND AND SURFACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					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	29+85-31+65 -L-	Temporary Workpad							0.375		126	
TOTALS*:									0.375	0	126	0

\*Rounded totals are sum of actual impacts

NOTES:

Site 1 Temporary Surface Waters Impacts=16,347 square feet

Site 1 Pier Impacts- 118 square feet

No wetlands impacted by this project

NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

2/12/2024

Yadkin/Surry COUNTY

B-5831

45784.1.2