



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

April 14, 2005

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

Attention: Mr. Steve Lund
NCDOT Coordinator

Subject: **Request for Permit Modification** for TIP No. B-3350, Iredell County, Bridge No. 292 on SR 1932 over Hunting Creek; State Project No. 8.2822101; Federal Aid Project No. BRZ-1832(1).

Reference: Nationwide 33, USACE Action ID No. 200431238, issued on August 27, 2004.

Dear Sir:

The U.S. Army Corps of Engineers (USACE) issued a Section 404 Nationwide 33 (see attached) to the North Carolina Department of Transportation (NCDOT) on August 27, 2004 for replacement of Bridge No. 292 on SR 1932 over Hunting Creek, Iredell County. The purpose of this letter is to request a modification of the existing temporary work-pad.

Due to the plan size of the temporary access at bent 1, NCDOT is unable to set the girders for span B. In order to set these girders, it will be necessary to place a crawler crane on the stream side of bent 1 and another crawler crane on the end bent side of bent 2. The plan size for the temporary access at bent 1 is 10 feet of width and a crawler crane will not fit that size work pad. In order to safely use the crane, a 30-foot work-pad is needed. After this requested modification, there will still be 55 to 60 feet of clear open channel.

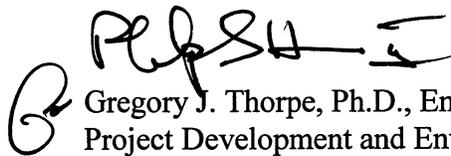
As a result of the changes to the work-pad, there will be 20 additional feet of temporary impacts to the stream. Please find enclosed drawings, which show the width of the stream, and three different views of the temporary work-pad.

The revised design does not compromise NCDOT's compliance with the existing permit conditions. The new impact site has been evaluated for compliance with the avoidance/minimization criteria and is in compliance with all previous conditions, including:

- Protected Species
- Cultural Resources
- Aquatic Life passage
- FEMA compliance
- Utilities

If you have any questions about this request, please contact Chris Underwood of my staff at (919) 715-1451.

Sincerely,



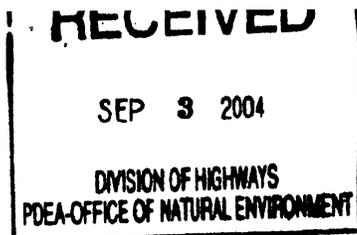
Gregory J. Thorpe, Ph.D., Environmental Management Director
Project Development and Environmental Analysis Branch

cc: w/attachment

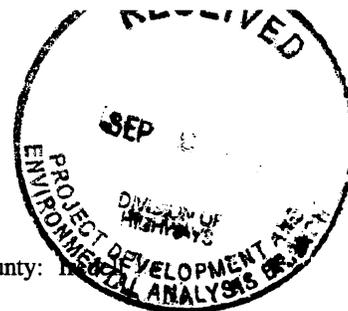
- Mr. John Hennessy, NCDWQ
- Ms. Marla Chambers, NCWRC
- Ms. Becky Fox, USEPA
- Mr. Ronald Mikulak, USEPA
- Ms. Marella Buncick
- Dr. David Chang, P.E., Hydraulics
- Mr. Greg Perfetti, P.E., Structure Design
- Mr. M.L. Holder, P.E. Division Engineer
- Ms. Trish Simon, DEO
- Mr. Mark Staley, Roadside Environmental

w/o attachment

- Mr. Jay Bennett, P.E., Roadway Design
- Mr. Omar Sultan, Programming and TIP
- Mr. Art MCMillan, P.E., Highway Design
- Mr. David Franklin, USACE Asheville
- Ms. Beth Harmon, EEP
- Ms. Jennifer Harris, PDEA Engineer



Underwood



U.S. ARMY CORPS OF ENGINEERS WILMINGTON DISTRICT

Action Id. 200431238

County: N

GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION

Property owner: North Carolina Department of Transportation
Address: Attn: Gregory J. Thorpe, Director, Project Development and Environmental Analysis Branch, 1548 Mail Service Center, Raleigh, North Carolina 27699-1548
Telephone No.: (919) 733-7844

Size and Location of project (water body, road name/number, town, etc.):

Bridge No. 292 on SR 1832 over Hunting Creek north of Statesville, TIP No. B-3350

Description of Activity:

Replace Bridge No. 292 with a new bridge at the same location. Place temporary rock causeways (work pads) on both the north and south banks to facilitate bent construction. Traffic will be detoured off-site during construction on existing secondary roads. Temporary impacts to perennial stream would total approximately 0.03 acres. SPECIAL CONDITIONS: 1) All conditions of the attached NC Wildlife Resources Commission letter of August 20, 2004 are hereby incorporated as special conditions of this permit. 2) All environmental commitments of the Categorical Exclusion document dated January 30, 2004 will be followed.

Applicable Law: [X] Section 404 (Clean Water Act, 33 U.S.C.1344).
(check all that apply) [] Section 10 (River and Harbor Act of 1899).

Authorization: [] Regional General Permit Number.
[33] Nationwide Permit Number.

Your work is authorized by this Regional General (RGP) or Nationwide Permit (NWP) provided it is accomplished in strict accordance with the attached conditions and your submitted plans. If your activity is subject to Section 404 (if Section 404 block above is checked), before beginning work you must also receive a Section 401 water quality certification from the N.C. Division of Environmental Management, telephone (919) 733-1786.

Please read and carefully comply with the attached conditions of the RGP or NWP. Any violation of the conditions of the RGP or the NWP referenced above may subject the permittee to a stop work order, a restoration order, and/or appropriate legal action.

This Department of the Army RGP or NWP verification does not relieve the permittee of the responsibility to obtain any other required Federal, State, or local approvals/permits. The permittee may need to contact appropriate State and local agencies before beginning work.

If there are any questions regarding this authorization or any of the conditions of the General Permit or Nationwide Permit, please contact the Corps Regulatory Official specified below.

Date August 27, 2004
Corps Regulatory Official Steven Lund [Signature] Telephone No. (828) 271-7980
Expiration Date of Verification August 27, 2006



RECEIVED

AUG 24 2004

SAW-CO-RA

☒ North Carolina Wildlife Resources Commission ☒

Charles R. Fullwood, Executive Director

TO: Steven W. Lund, NCDOT Coordinator
Asheville Regulatory Field Office, USACE

FROM: Marla Chambers, Western NCDOT Permit Coordinator *Marla Chambers*
Habitat Conservation Program, NCWRC

DATE: August 20, 2004

SUBJECT: Review of Categorical Exclusion document and information related to Section 404 Permit application by NCDOT to replace Bridge No. 292 on SR 1832 (Union Grove Road) over Hunting Creek, Iredell County, North Carolina. TIP No. B-3350.

North Carolina Department of Transportation (NCDOT) has requested a Section 404 permit from the U.S. Army Corps of Engineers (USACE). Staff biologists with the North Carolina Wildlife Resources Commission (NCWRC) have reviewed the Categorical Exclusion document and information provided and conducted a site visit on August 9, 2004. These comments are provided in accordance with the provisions of the National Environmental Policy Act (42 U.S.C. 4332(2)(c)) and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661-667d).

The NCDOT proposes to replace Bridge No. 292 on SR 1832 (Union Grove Road) over Hunting Creek with a new bridge at the same location as the existing structure. Temporary impacts to the stream total 0.034 acres due to temporary fill associated with the installation of the causeways/work pads. It appears that one or two bents will be placed in the stream. The site visit revealed a bedrock riffle in the project area. Hunting Creek is classified WS-III and some rare insect species have been recorded downstream. Sediment and erosion control measures must be strictly maintained to minimize impacts to the fishery, aquatic resources and water quality downstream.

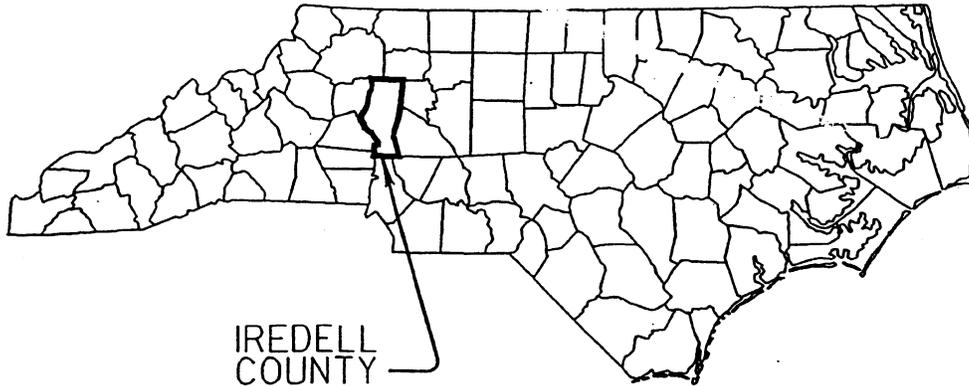
NCWRC can concur with the permit issuance if the following conditions are implemented:

1. Stringent sedimentation and erosion control measures must be implemented and maintained on the project site until project completion to avoid impacts to downstream

aquatic resources. Temporary or permanent herbaceous vegetation should be planted on all bare soil as soon as possible and within 15 days of ground disturbing activities to provide long-term erosion control. Tall fescue should not be used in riparian areas. We encourage NCDOT to utilize onsite vegetation and materials for stream bank stabilization when practicable. Erosion control matting should be used in riparian areas, instead of straw mulch and well anchored with 12" staples or 12" wooden survey stakes.

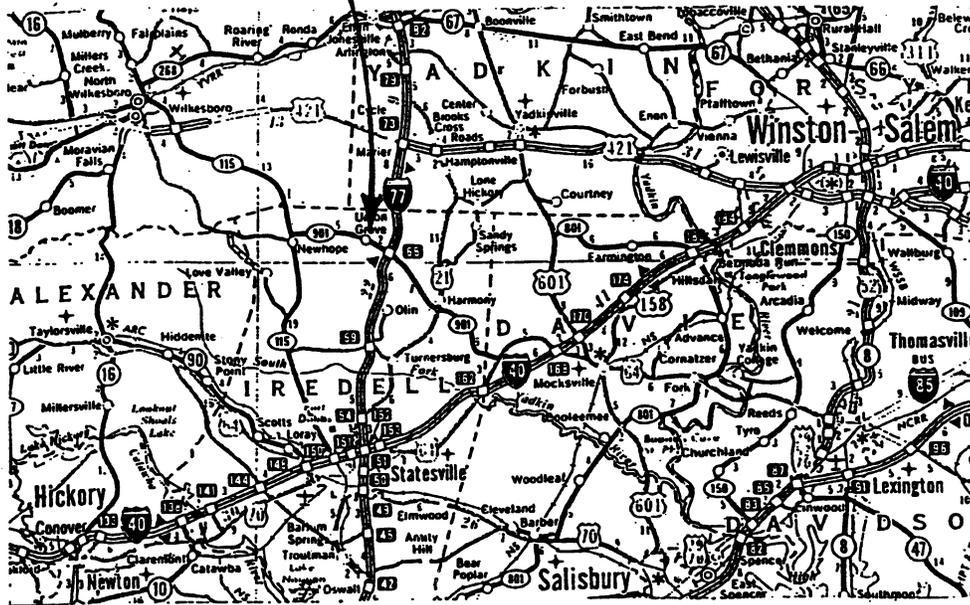
2. Discharge of materials into the stream from demolition of the old bridge should be avoided as much as practicable. Any materials that inadvertently reach the stream should be removed.
3. The natural dimension, pattern, and profile of the stream above and below the crossing should not be modified by widening the channel or changing the depth of the stream.
4. Removal of vegetation in riparian areas should be minimized. Native trees and shrubs should be planted along the stream banks to reestablish the riparian zone and to provide long-term erosion control.
5. Grading and backfilling should be minimized, and tree and shrub growth should be retained if possible to ensure long term availability of shoreline cover for fish and wildlife. Backfill materials should be obtained from upland sites.
6. Riprap placed for bank stabilization should be limited to the stream bank below the high water mark, and vegetation should be used for stabilization above the high water elevation.
7. Stormwater, including deck drainage, should be directed to buffer areas or retention basins and should not be routed directly into the stream.
8. If concrete will be used during construction, work must be accomplished so that wet (uncured) concrete does not contact surface waters. This will lessen the chance of altering the water chemistry and causing a fish kill.
9. Discharging hydroseeding mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is strictly prohibited.
10. Heavy equipment should be operated from the bank rather than in the stream channel whenever possible in order to minimize sedimentation and reduce the likelihood of introducing other pollutants into the stream. All mechanized equipment operated near surface waters should be inspected and maintained regularly to prevent contamination of surface waters from fuels, lubricants, hydraulic fluids or other toxic materials.
11. Only clean, sediment-free rock should be used as temporary fill (workpads/causeways), and should be removed without excessive disturbance of the natural stream bottom when construction is completed.

NORTH CAROLINA



IREDELL
COUNTY

SITE



VICINITY MAP

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

IREDELL COUNTY

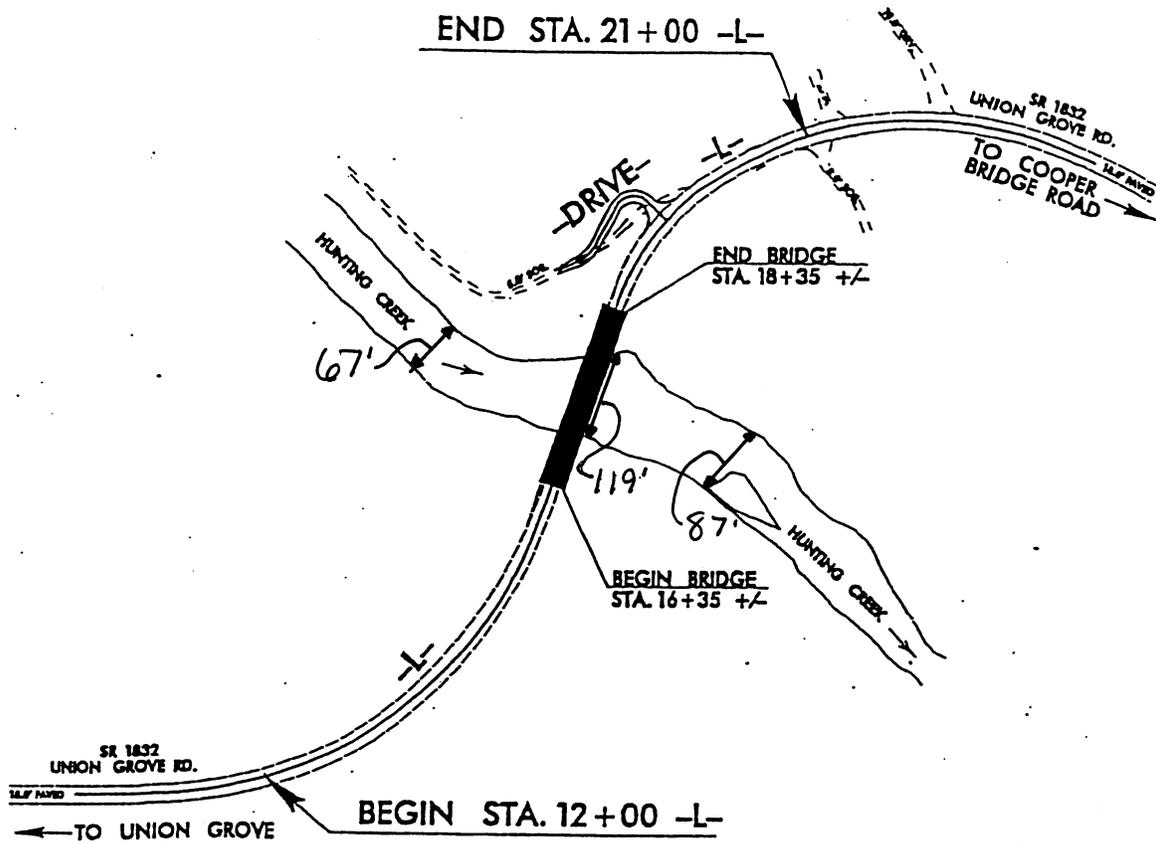
PROJECT: 8.2822101 (B-3350)

REPLACEMENT OF BRIDGE # 292
OVER HUNTING CREEK
ON SR 1832

SHEET 1 OF 9

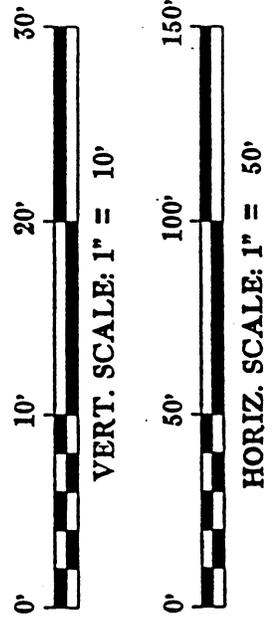
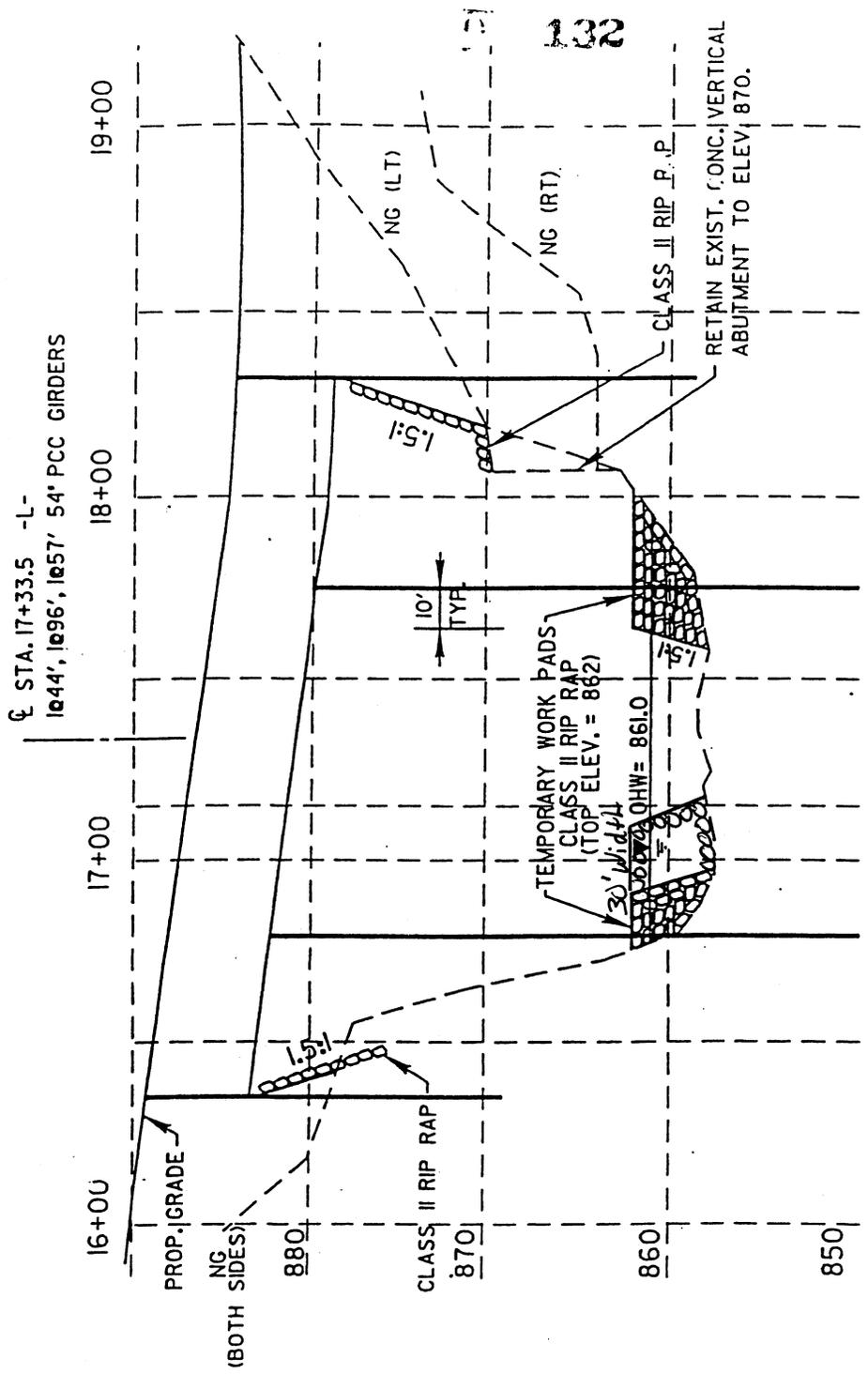
5/07/04

Stream Width



LOCATION MAP

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
IREDELL COUNTY
PROJECT: 8.2822101 (B-3350)
REPLACEMENT OF BRIDGE # 292
OVER HUNTING CREEK
ON SR 1832



PROFILE VIEW

N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 IREDELL COUNTY
 PROJECT: 8.2822101 (B-3350)
 REPLACEMENT OF BRIDGE # 292
 OVER HUNTING CREEK
 ON SR 1832
 SHEET 6 OF 9 5/07/04

