

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

STIP Project No.	<u>BR-0107</u>
WBS Element	<u>49215.1.1</u>
Federal Aid Project No.	<u>N/A</u>

A. Project Description, Location, and Purpose:

The North Carolina Department of Transportation (NCDOT) proposes to replace Bridge No. 131 on Pisgah Ridge Circle (S.R. 1577) over an unnamed tributary to Snow Creek in Iredell County. The bridge will be replaced on the existing alignment while detouring traffic offsite during construction. (See attached figures.)

The replacement of Bridge No. 131 is part of the *Growing Rural Economy and Agriculture through Transportation and Technology Enhancement or Replacement in North Carolina (GREATER-NC)* Project under the United States Department of Transportation's 2018 Better Utilizing Investments to Leverage Development (BUILD) Grant program. The purpose of the grant and this bridge replacement project is to provide transportation infrastructure to support economic development and improve physical and digital connectivity in rural communities in North Carolina. The posted weight restriction (14 tons for a single vehicle and 19 tons for a truck/tractor/semitrailer) on Bridge No. 131 prohibits large or heavy vehicles, typically used in transporting agricultural and manufactured products, from using the bridge. Vehicles above the posted weight must detour 1.8 miles to avoid the bridge. Replacing the existing bridge will eliminate posted weight limits by providing a safe crossing for all legal loads and will make accommodations for broadband installation in order to support economic competitiveness.

NCDOT proposes to construct a 67 foot long structure with a deck width of 27' 10". The new structure will include 10-foot lanes and 3-foot, 11-inch shoulders. The length of the overall improvement project, including roadway approaches, is 485 feet. The roadway will be designed as a Local Route with a 55 mph design speed. The Design Exceptions include: Design Exception for Maximum Grade, Sag Vertical Curve K value, and Nighttime Vertical Stopping Sight Distance. Traffic will be detoured off-site during construction.

B. Consultation Phase: (Check one)

- ☐ Right-of-Way
- ☒ Construction
- ☐ Other: Identify the trigger – (e.g., design change, change in impacts)

C. NEPA/SEPA Class of Action Initially Approved as: (Check one)



FHWA Class II (CE)

12/11/2019

Additional Notes: **Type I A**

D. Changes in Proposed Action & Environmental Consequences:

Protected Species: As summarized in the June 2019 Natural Resources Technical Report (NRTR) and subsequent memoranda, NCDOT anticipates having no effects on any federally-protected species.

Water Resources, Floodplain: Water resources within the project study area include two unnamed tributaries to Snow Creek. The best usage classification for both resources is WS-IV. The project is located in the Yadkin – Pee Dee River Basin and is not subject to NCDEQ regulated riparian buffer rules. There are two potential jurisdictional streams and one potential jurisdictional wetland in the study area. All environmental permits (404 Nationwide Permit, 401 Water Quality Certification) have been received (November 7, 2020) for the construction of this project.

Section 106: NCDOT has reviewed the Section 106 effects findings for historic properties within the project's area of potential effects (APE), that were made as part of the NEPA analysis. NCDOT has confirmed there is no new information that would alter the original Section 106 findings and, therefore, they remain valid.

Design Changes: There have been no major changes to BR-0107 since the completion of the CE. The following minor change was made but does not extend outside of the original project study area: The driveway on the SE portion of project was widened from 12' to 18' and also lengthened by approximately 18' to better accommodate large trailers used by landowner.

E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

F. Coordination

NCDOT personnel have discussed the current project parameters with qualified NCDOT representatives and FHWA (where applicable). The NCDOT Project Manager, Nora McCann, EIT, hereby verifies the involvement of the following staff and the incorporation of their technical input:

Engineer (ms consultants):	Lisa Samples, PE	3/2/2021
Environmental Specialist:	Michael Turchy	3/8/2021
Hydraulic Engineer:	N/A	N/A
Architectural Historian:	N/A	N/A
FHWA (if Applicable):	N/A	N/A

G. Consultation Approval for NCDOT Project BR-0107

Prepared By:

4/14/2021

Date

DocuSigned by:

Nora McCann

D90039258B724A3...

Nora McCann, EIT
NCDOT, Project Management Unit

Prepared For:

DocuSigned by:

Jacquelyn Bowles

BD26E07EDFB647E...

Jacquelyn Bowles, PE
NCDOT, Structures Management Unit

Reviewed By:

4/15/2021

Date

DocuSigned by:

John Jamison

CA084B4A6412432

John Jamison, Team Lead
NCDOT, Environmental Policy Unit



Approved

In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

or



Certified

NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

4/15/2021

Date

DocuSigned by:

David Stutts

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David Stutts, PE – Project Engineer – PEF/Program Management
North Carolina Department of Transportation

FHWA Approved: FHWA signature required for Type I(B) CE, Type II(B) CE, Type III CE, FONSI or ROD.

Date

N/A

John F. Sullivan, III, PE, Division Administrator
Federal Highway Administration

H. Project Commitments (as of March 11, 2021)

PROJECT COMMITMENTS

**T.I.P Project No. BR-0107
Bridge No.131 SR 1577
Over UT to Snow Creek
Iredell County
WBS Element No.49215.1.1**

Current status to the project commitments as shown in the CE for the Project are printed in italics.

NCDOT Structures Management Unit –

Prime and Important Farmlands

Given that notable project impacts to eligible soils may be anticipated, the NCDOT Project Manager should coordinate completion of the NRCS farmland conversion form post-design and submission to NRCS for further evaluation.

Status: Per Harrison Marshall, Community Studies Unit, 3/2/21, NCDOT – SMU has completed the NRCS farmland conversion form and coordinated with NRCS. The commitment is complete.

NCDOT Division 12

Voluntary Agricultural District (VAD) Property

If right-of-way will need to be acquired from the VAD property owner through eminent domain, the Iredell County Enhanced Farmland Preservation Ordinance requires that the Farmland Preservation Board hold a public hearing on the proposed condemnation before condemnation may be initiated. Additionally, any VAD lands converted to nonagricultural use as part of a temporary construction easement must be returned to farmable condition by the project's completion.

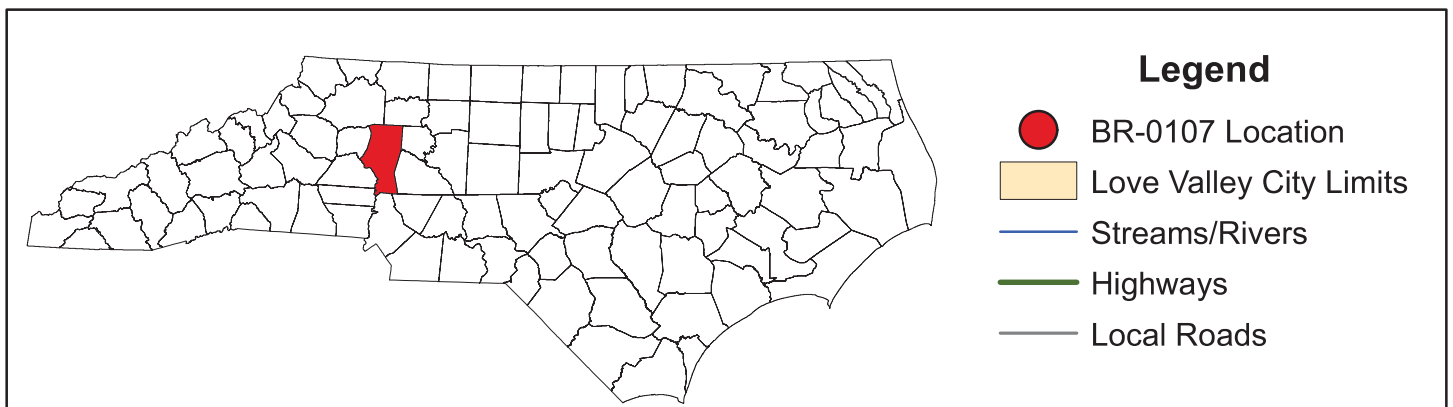
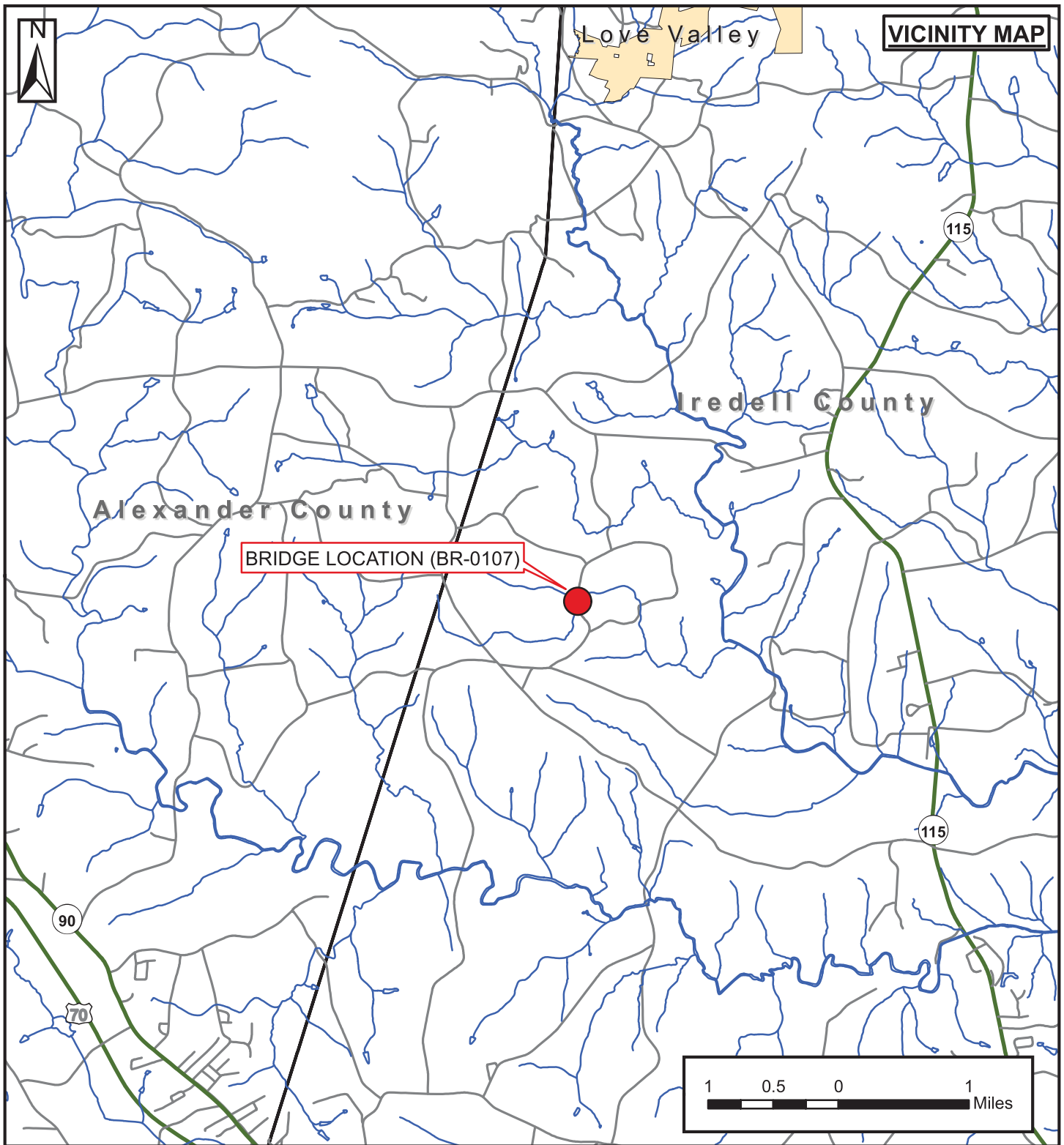
Status: Per Jacquelyn Bowles, Structures Management Unit, 3/2/21 NCDOT-SMU confirmed that all ROW has been acquired on BR-0107, and condemnation was not needed on the VAD Property. The commitment is complete.

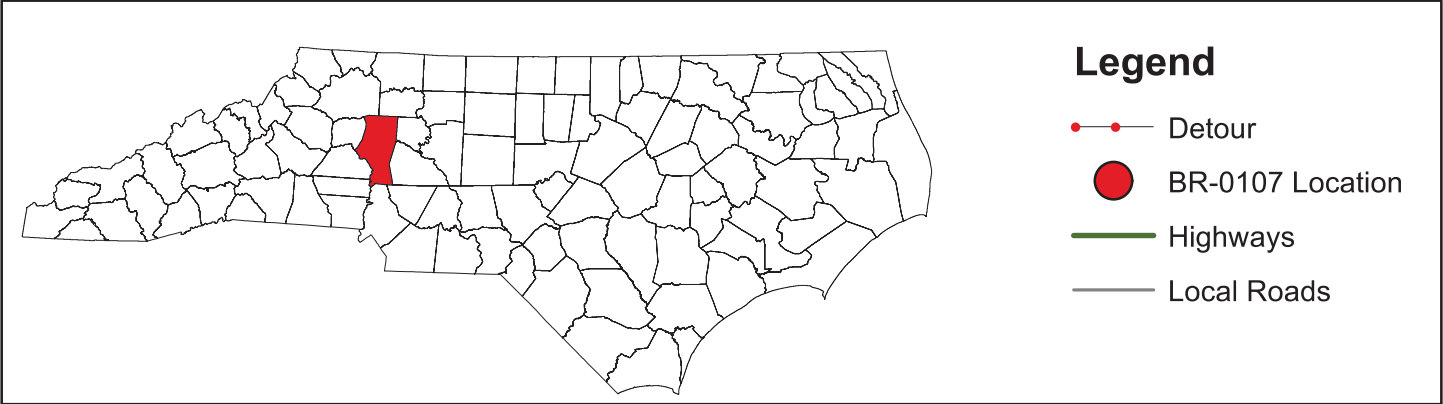
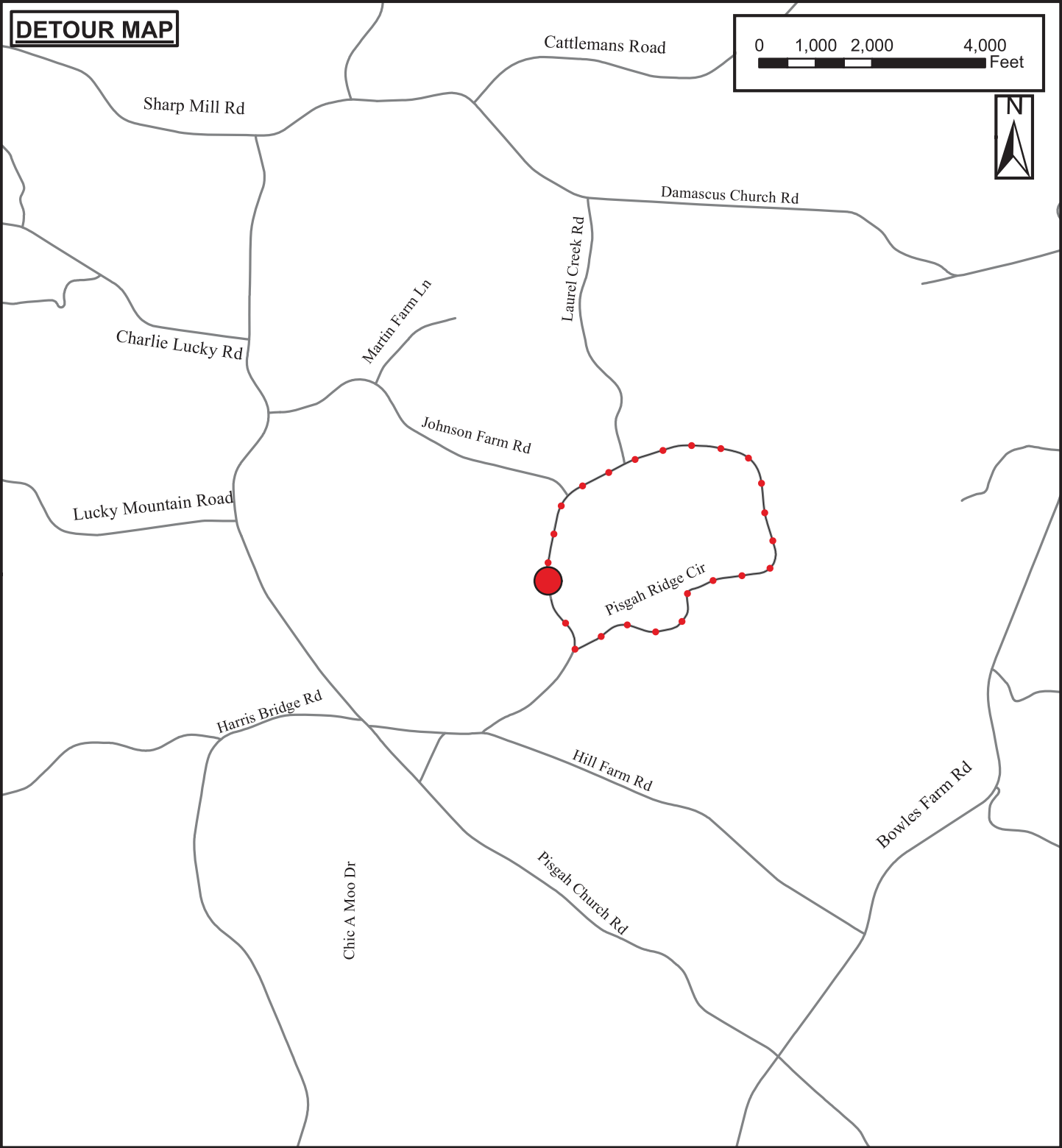
NCDOT Division 12 – Offsite Detour

Continued Coordination Emergency Services

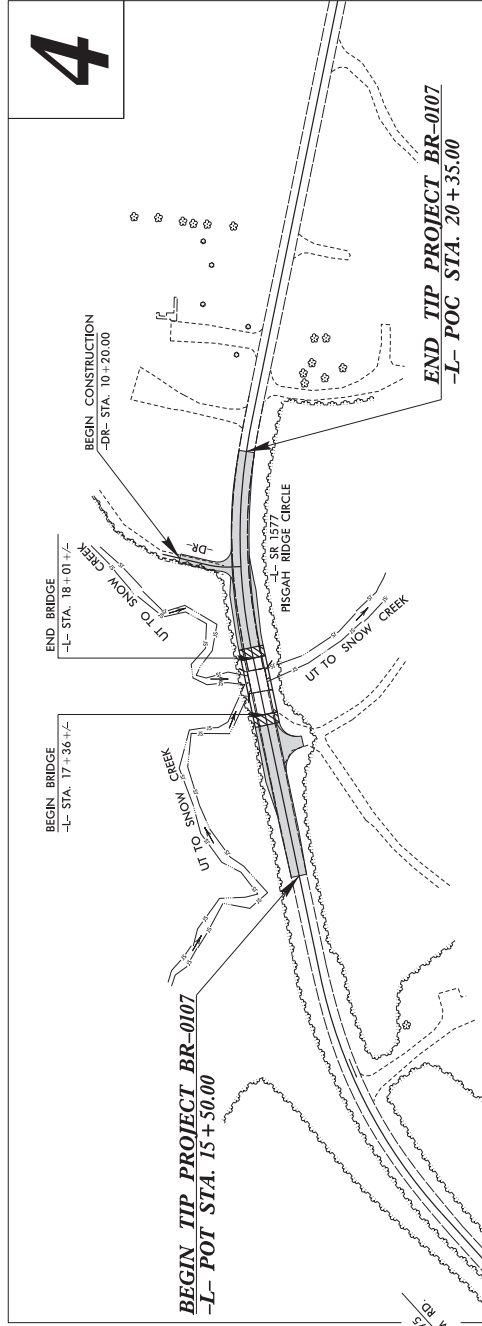
NCDOT should coordinate with Iredell County Emergency Services (Ms. Blair Richey, 704.878.3025) and the Trinity Volunteer Fire Station (Captain Michael Johnson, 704.876.3646) at least one month prior to construction.

Status: Division Twelve Construction Engineer's office will make the contacts prior to road closure.





CONTACT:



DESIGN EXCEPTION FOR MAX GRADE, SAG VERTICAL CURVE K VALUE AND NIGHTTIME VERTICAL SSD.

<i>PROJECT LENGTH</i>		
LENGTH	ROADWAY PROJECT BR-0107	= 0.083 MILES
LENGTH	STRUCTURE PROJECT BR-0107	= 0.009 MILES
TOTAL	LENGTH PROJECT BR-0107	= 0.092 MILES

HYDRAULICS ENGINEER

ROADWAY DESIGN ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL MONITORED CONFLICTS



IREDELL COUNTY

LOCATION: REPLACE BRIDGE NO.131 ON SR 1577
(PISGAH RIDGE CIRCLE) OVER UT TO SNOW CREEK
TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

25% PLANS

[illegible]

