

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

STIP Project No.	<u>BR-0127</u>
WBS Element	<u>48836.1.1</u>
Federal Aid Project No.	<u>2020001</u>

A. Project Description, Location, and Purpose:

The purpose of this project is to replace Yadkin County Bridge No. 980189 on SR 1325 (Mountain View Church Road) over an Unnamed Tributary of South Deep Creek.

Bridge No. 980189 is 31 feet long. The replacement structure will be a bridge approximately 62 feet long, will be an approximately 30-foot wide single span cored slab bridge with two 10-foot travel lanes and 3-foot 11-inch shoulders on the existing alignment, and have a proposed right of way up to 87 feet. The total length of the project is approximately 565 feet.

There will be no posted weight restriction; the proposed bridge will be designed to meet the legal load rating. The roadway is classified as a local road with a 55-mph design speed and posted speed limit.

The bridge will be replaced on the existing alignment while detouring traffic offsite.

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) 10/3/19

Additional Notes: Type I A

D. Changes in Proposed Action & Environmental Consequences:

Water Resources

Water resources and classifications in the project area have not changed since the completion of the following documents:

- The above mentioned Categorical Exclusion
- The US Army Corps of Engineers (USACE) Nationwide Permit, Action ID SAW-2020-00337, March 23, 2020
- NCDWR Project No. 20200262, Certification No. 4135, March 12, 2020

Protected Species

As of July 17, 2020, there have been no changes to the US Fish and Wildlife Service (USFWS) list of federally-protected species for Yadkin County since completion of the CE for the project.

The USFWS has developed a programmatic biological opinion (PBO) in conjunction with the Federal Highway Administration (FHWA), the US Army Corps of Engineers (USACE), and NCDOT for the northern long-eared bat (NLEB) in eastern North Carolina. The PBO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. The programmatic determination for NLEB for the NCDOT program is “May Affect, Likely to Adversely Affect”. The PBO provides incidental take coverage for NLEB and will ensure compliance with Section 7 of the Endangered Species Act for five years for all NCDOT projects with a federal nexus in Divisions 1-8. The NLEB has been assessed by the NCDOT Biological Surveys Group (BSG), and the nearest NLEB hibernacula record is 42 miles west of the project and no known NLEB roost trees occur within 150 feet of the project area. A memo stating that NCDOT is in compliance with 4(d) (the USFWS rule which prohibits purposeful take of NLEBs throughout the species’ range, with exceptions) with regard to the northern long-eared bat was sent to USFWS (Claire Ellwanger) on 2/18/2020.

Section 7 has been resolved for this project.

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, Jacquelyn Bowles, PE, hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	Kevin Bailey	9/17/2020
Environmental Specialist:	Erin Cheely	9/17/2020
FHWA (if applicable):	Name	Date
Other:	Name	Date

G. Consultation Approval for NCDOT Project BR-0127

Prepared By:

9/30/2020

Date

DocuSigned by:

Kim L. Gillespie, PE

E9AA3A8EE2574FE...

Kim L. Gillespie, Project Manager
NCDOT – Project Management Unit

Prepared For:

DocuSigned by:

Jacquelyn Bowles, PE

DD20E67EDFB647E

Jacquelyn Bowles, PE
NCDOT, Structures Management Unit

Reviewed By:

10/1/2020

Date

DocuSigned by:

John Jamison

CA004B4A6412432

John Jamison, PWS, Western Regional 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.

10/1/2020

Date

DocuSigned by:

David Stutts

A4A2000A8BC64F2

David Stutts, PE, PEF Project Engineer, Structures Management Unit
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 September 17, 2020)

**Yadkin County
Replacement of Bridge No. 189 over UT to South Deep Creek
on SR 1325 (Mountain View Church Road)
WBS No. 48836.1.1
TIP No. BR-0127**

NCDOT Hydraulics Unit – FEMA Coordination

The Hydraulics Unit coordinated with the NC Floodplain Mapping Program (FMP) on February 4, 2020, to determine status of 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). The Hydraulics Unit awaits the FMP's approval.

NCDOT Division 11 Construction – FEMA Floodplains and Floodways

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.

NCDOT Structures Management Unit – Public Involvement Newsletter

Newsletters were sent out in March 2020 on behalf of NCDOT to the properties affected by the project to inform them of the project.

NCDOT Division 11 - Agricultural Land Use

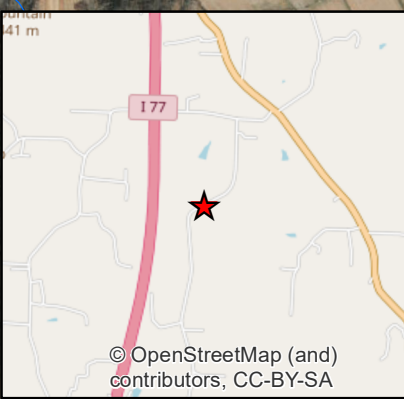
Continued coordination will occur through construction with the owners of the agricultural lands that are temporarily impacted by the off-site detour and those impacted by project right of way needs.

NCDOT Division 11 - Continued Coordination for Schools and Emergency Services


NCDOT will coordinate construction activities with Yadkin County Schools (Denny Key, 336-679-2233) and Yadkin County Emergency Services (Keith Vestal, 336-849-7622) at least one month prior to construction.

COMMITMENTS FROM PERMITTING

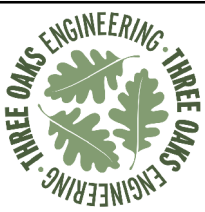
No new special commitments were developed during permitting.



Legend

 Project Study Area

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Prepared For:

**Replacement of Bridge No. 189 on
SR 1325 (Mountain View Church Rd)
over UT to South Deep Creek**

STIP No. BR-0127

Project Vicinity Map
Yadkin County, North Carolina

Date: JUNE 2019

Scale: 0 200 400 Feet

Job No.: 18-025

Drawn By: CMR Checked By: JSM

Figure

1

18-09-0089
updated

HISTORIC ARCHITECTURE 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

Project No.:	BR-0127	County:	Yadkin
WBS No.:	67127.1.1	Document Type:	CE
Fed. Aid No.:	1325007	Funding:	<input type="checkbox"/> State <input checked="" type="checkbox"/> Federal
Federal Permit(s):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Permit Type(s):	USACE
<u>Project Description:</u> Replace Bridge No. 189 on SR 1325 (Mountain View Church Rd) over South Deep Creek			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

- There are no National Register-listed or Study Listed properties within the project's area of potential effects.
- There are no properties less than fifty years old which are considered 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.
- There are no historic properties present or affected by this project. (Attach any notes or documents as needed.)

Date of field visit: April 2019

Description of review activities, results, and conclusions:

Review of HPO quad maps, relevant background reports, historic designations roster, and indexes was undertaken on October 26, 2018. Based on this review there are no NR, DE, LL, or SL in the Area of Potential Effects (APE). One SS was identified: the Hall Family House (YD0485). NCDOT contracted Dovetail to conduct an eligibility evaluation of the property. The survey site file for this property indicated that the Hall Family House was a two-story, wood-frame house constructed circa 1900. Upon the site visit, the Architectural Historian found the Hall Family House no longer extant. They identified the likely house site plus a 1947 house with assorted outbuildings. The 1947 house was heavily altered in 2003 with vinyl siding, replacement doors and windows and two additions. The assorted outbuilding date from 1947 to 2015. Deed research indicates that the 1947 house was constructed under the ownership of Richard and Nellie Hall. This 1947 Hall House does not retain the level of architectural integrity to warrant eligibility for the National Register under Criterion C. The lack of historic farm buildings excludes this property from consideration under Criterion A for agriculture. No historic properties will be affected by this project. **On September 15, 2020 this project was resubmitted for review due to the change from state funding to federal funding. This project was reviewed to the federal standard originally due to the federal permit. There are no eligible historic properties present in the APE of 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

Shelby Reap

September 16, 2020

NCDOT Architectural Historian

Date



Hall Family House in 1986 (from Survey Site File)



1966 aerial with Hall Family House still standing



By 2007 the Hall Family House has nearly collapsed



By 2018 little remains of the Hall Family House



1947 Hall House





1947 Barn



1947 Well House



NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

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



PROJECT INFORMATION

Project No: BR-0127 *County:* Yadkin
WBS No: 48836.1.1 *Document:* Federal Categorical Exclusion
Federal Aid No: 1325007 *Funding:* State Federal
Federal Permit Required? Yes No *Permit Type:* USACE

Project Description:

Replace Bridge 189 on SR 1325 (Mountain View Church Rd.) over an unnamed tributary to South Deep Creek in Yadkin County. The Area of Potential Effects (A.P.E.) is approximately 610 meters (2,002 ft.) long and 123 meters (400 ft.) wide. This is a federally funded project and federal permitting is required, therefore Section 106 of the National Historic Preservation Act applies. Easements will be required.

This project falls within a North Carolina county in which the following federally recognized Tribe has expressed an interest: the Catawba Indian Nation. It is recommended that you contact each federal agency involved with your project to determine their Section 106 Tribal consultation requirements.

NOTE: This project was originally reviewed in 2018. A No Archaeological Survey Required form was submitted on 2/24/2019. This updated form shows a change in funding from state to federal, and includes preliminary design plans of the bridge replacement.

SUMMARY OF CULTURAL RESOURCES REVIEW

Brief description of review activities, results of review, and conclusions:

The review included an examination of a topographic map, the Yadkin County web soil survey, an aerial photograph, and an examination of records about previously recorded sites, previous archaeological surveys, and previous environmental reviews at the North Carolina Office of State Archaeology (OSA) in Raleigh. The bridge is oriented approximately east-west.

The topographic map (Elkin South) shows the A.P.E. is located in a narrow stream valley. The landforms in the A.P.E. include a narrow floodplain on each side of the stream, and moderately-sloped ridges on each side. Narrow strips of floodplain and sloped ridges have a low to moderate potential for prehistoric archaeological sites. The landforms in the southeast and southwest quadrants may be drainage valleys. There are two structures shown in the northwest quadrant, two in the northeast quadrant, and one in the southeast quadrant. Most of the A.P.E. is shown as being cleared land.

The Yadkin County soil survey shows two soil types in the A.P.E., Clifford sandy clay loam (2-6% and 6-10% slopes), moderately eroded, and Codorus loam (0-2% slopes), occasionally flooded.

Clifford sandy clay loam is a well-drained soil found on interfluves (ridges). Codorus loam is a somewhat poorly-drained soil found on flood plains.

The aerial photograph shows the A.P.E. is mostly cleared land (pasture?). The aerial photograph shows how much of the surrounding agricultural land has been "contoured" to control erosion. Also, the presence of red clay subsoil can be seen throughout the project area. (This is confirmed by the Yadkin County soils survey aerial photograph which shows red soil in plowed fields, as well as by the moderately-eroded soil types). The northeast quadrant is cleared (pasture?). The southeast quadrant is occupied by several structures at the east end, and a small creek joins the tributary a short distance south of the bridge. (This is the "drainage valley" landform depicted in the topographic map.) The southwest quadrant is cleared (residential yard?). There is a driveway in this quadrant. The northwest quadrant is mostly cleared (residential yards?). There are two houses in the A.P.E.

There are no previously recorded archaeological sites within or adjacent to the A.P.E. There is a project that has been reviewed by the State Historic Preservation Office (HPO) within the A.P.E. The project is the Frontier Energy Gas Pipeline in Rowan, Davie, Iredell, Yadkin, Surry and Wilkes Counties (ER 98-8509). No survey was recommended for the part of the pipeline that crosses (the west side of) the A.P.E. of this project. Surveys were conducted for other parts of the pipeline (Reid 1999; Smith 1998).

References Cited

Reid, Dawn

1999 Intensive Archaeological Survey of a Proposed Frontier Energy Gasline Corridor, Wilkes County, North Carolina. Report prepared for Duke Engineering & Services, Charlotte, North Carolina. Brockington and Associates, Inc., Atlanta, Georgia.

Smith, Caleb

1998 Intensive Archaeological Survey of Three Proposed Yadkin River Crossings, Surry, Wilkes and Yadkin Counties, North Carolina. Report prepared for Duke Engineering & Services, Inc., Charlotte, North Carolina. Brockington and Associates, Inc., Atlanta, Georgia.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

The landforms in the A.P.E. have a low to moderate potential for archaeological sites. Much of the A.P.E. appears to be disturbed by residential development. The soils in the A.P.E. are described as eroded.

SUPPORT DOCUMENTATION

See attached: Map(s) Previous Survey Info Photos Correspondence
 Photocopy of County Survey Notes Other:

FINDING BY NCDOT ARCHAEOLOGIST

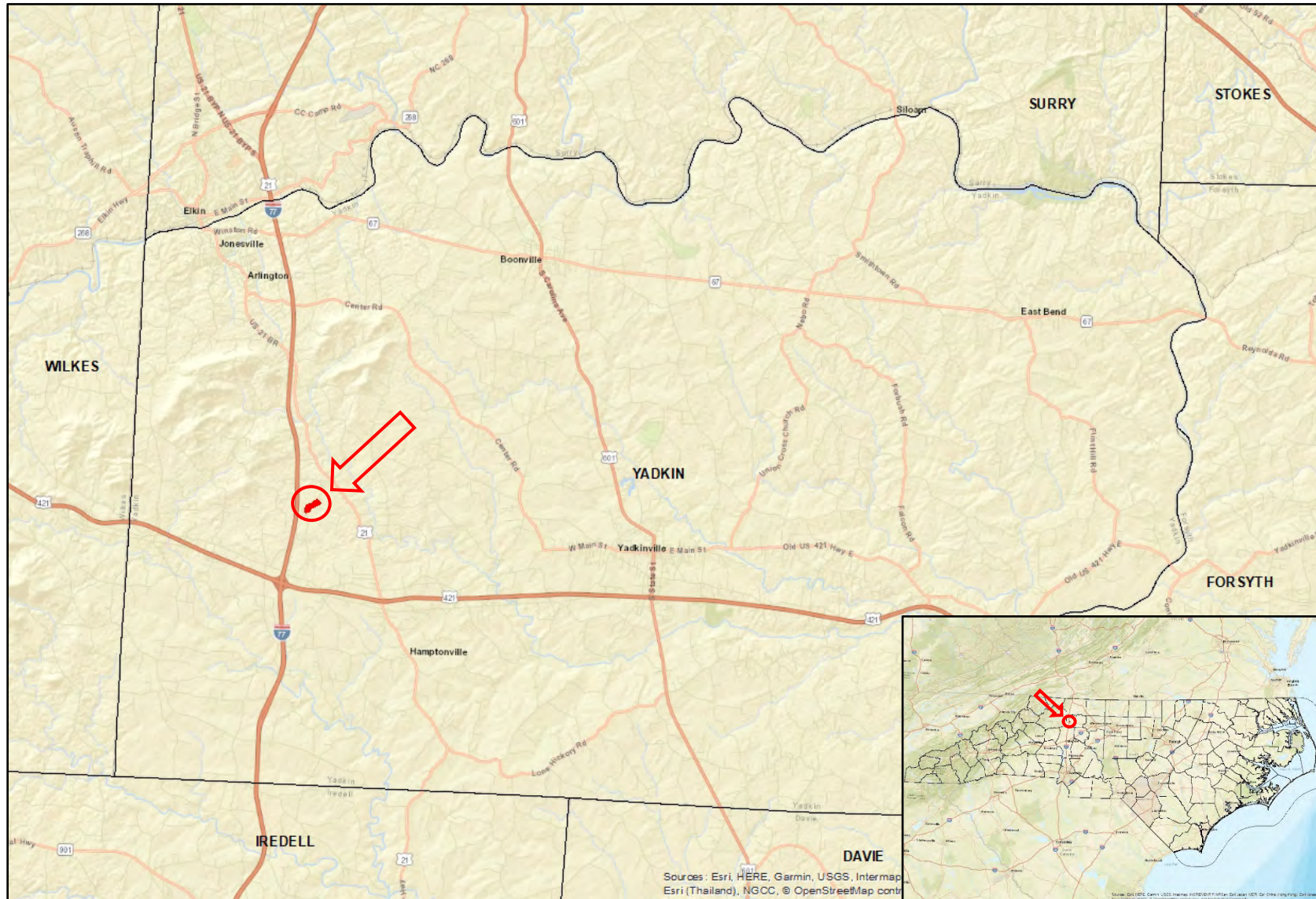
NO ARCHAEOLOGY SURVEY REQUIRED

Caleb Smith

9/22/2020

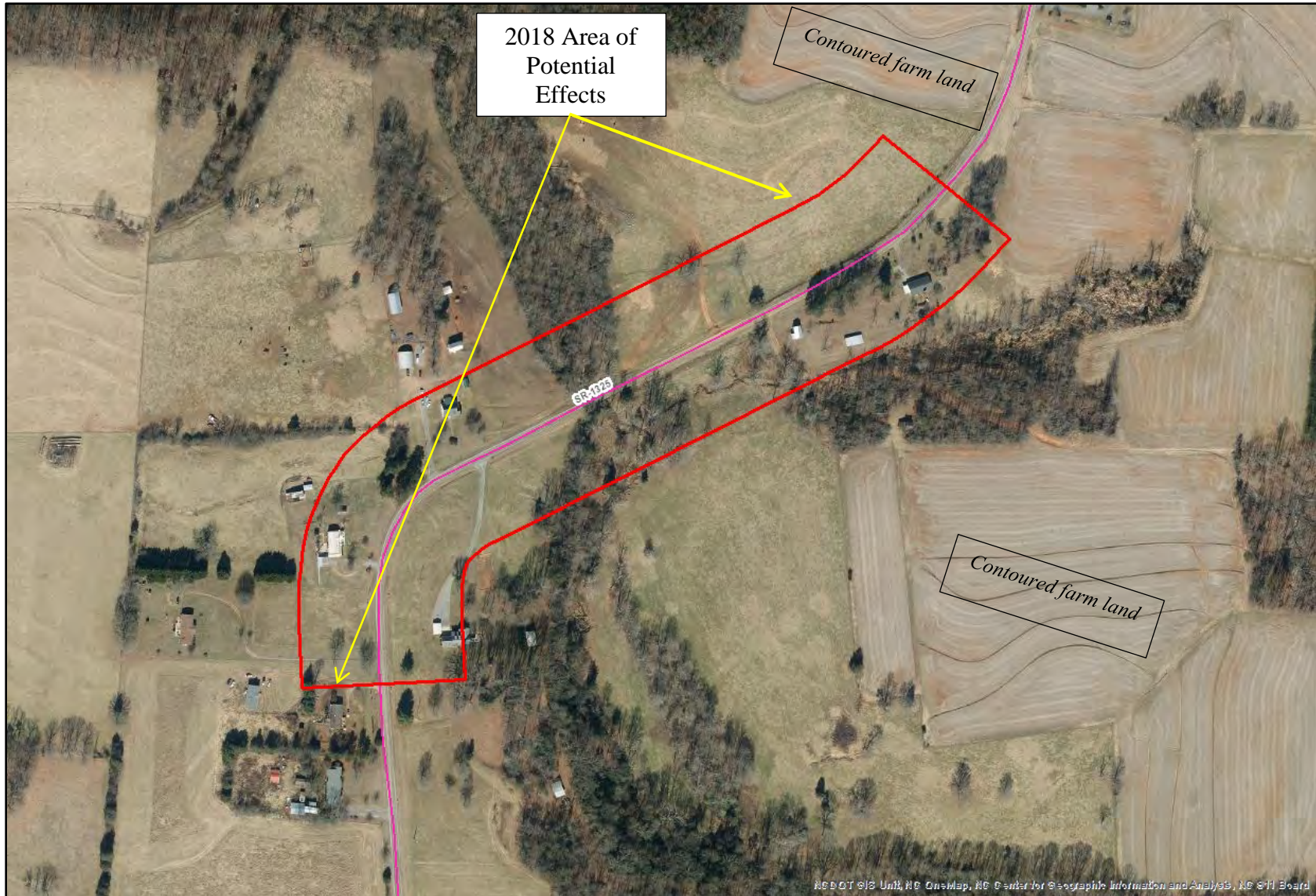
NCDOT ARCHAEOLOGIST II

Date









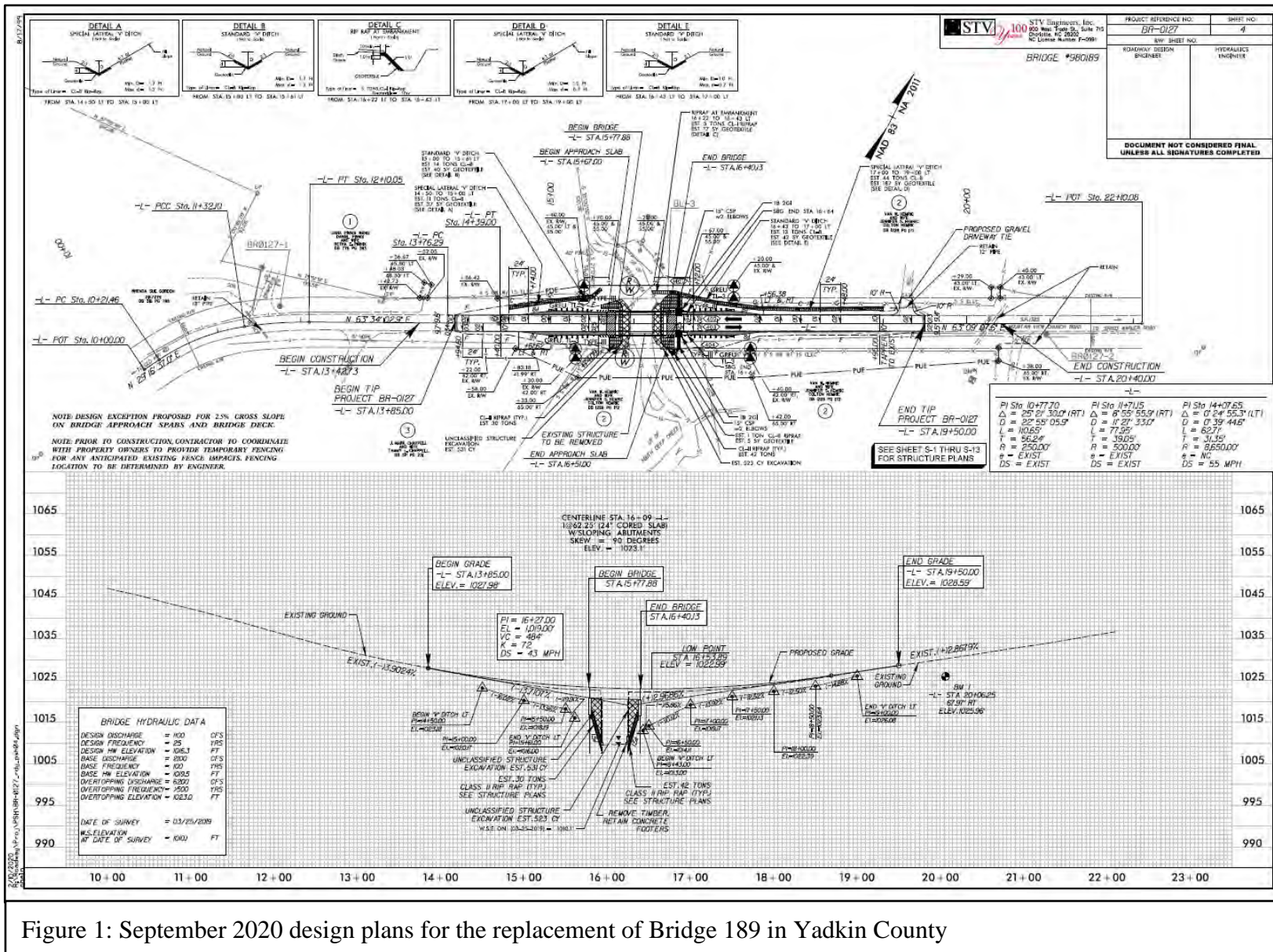


Figure 1: September 2020 design plans for the replacement of Bridge 189 in Yadkin County