




PAT McCRORY
Governor

NICHOLAS J. TENNYSON
Secretary

May 20, 2016

MEMORANDUM TO: John Williams, PE
Project Development Engineer
Project Development and Environmental Analysis Branch

FROM: Terry W. Fox, LG 
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

TIP NO: B-5895
WBS: 48088.1.1
COUNTY: Madison
DIVISION: 13
DESCRIPTION: Replace Bridge 67 over French Broad River on US 25/ US 70 in Hot Springs

SUBJECT: **GeoEnvironmental Report for Planning**

The GeoEnvironmental Section has completed the GeoEnvironmental Report for Planning. This report has the following components and is transmitted as:

 X Hazardous Materials Report (6) pages

Please contact me if you have any questions concerning this project.



Hazardous Materials Report

The GeoEnvironmental Section of the Geotechnical Engineering Unit has investigated the above referenced project to identify hazardous material sites for inclusion in the environmental document.

HAZARDOUS MATERIALS EVALUATION

Purpose

This section presents the results of a hazardous material evaluation conducted along the above referenced project. The main purpose of this investigation is to identify properties within the project study area that are or may be contaminated and therefore result in increased project costs and future liability if acquired by the Department. Hazardous material impacts may include, but are not limited to, active and abandoned underground storage tank (UST) sites, hazardous waste sites, regulated landfills and unregulated dumpsites.

Techniques/Methodologies

The Geographical Information System (GIS) was consulted to identify known sites of concern in relation to the proposed intersection improvements. GeoEnvironmental Section staff conducted a field reconnaissance within the project limits on May 18, 2016. A search of appropriate environmental agencies' databases was performed to assist in evaluating sites identified during this study.

Findings

UST Facilities

Based on our study, two (2) sites may contain petroleum USTs within the project limits.

Hazardous Waste Sites

No Hazardous Waste Site was identified within the project limits.

Landfills

No apparent landfills were identified within the project limits.

Other GeoEnvironmental Concerns

No geoenvironmental concerns were identified within the project limits.

Anticipated Impacts

Two (2) possible UST facilities were identified within the proposed project limits. We anticipate low monetary and scheduling impacts resulting from these sites. (See the following table and appendices for details)

Known and Potential Hazardous Material Sites

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- 1) **Property Name**
Hot Springs Resort & Spa Convenience Store
300 Bridge Street
Hot Springs, NC 28743
- Property Owner:**
Eugene Glenn Hicks
PO Box 428
Hot Springs, NC 28743
- Facility ID #:** 0-002082
Incident #: AS-2720
- UST Owner:**
J.K. Holding Co.
PO Box 311
Statesville, NC



This convenience store is located on the south side of US 25/ US 70 (Bridge Street) and 200 feet west from Bridge 67 in Hot Springs. According to the UST Section Registry five (5) tanks were removed in 2001 from the former Roy Whitson 66. Groundwater Incident AS-2720 was assigned to this site, but closed out the same year. **This site is anticipated to present low geoenvironmental impacts to the project.**

2) **Property Name**
Vacant Office
260 Bridge Street
Hot Springs, NC 28743

Property Owner:
Eugene Glenn Hicks
PO Box 428
Hot Springs, NC 28743



This office is located on the south side of US 25/ US 70 (Bridge Street) and 375 feet west from Bridge 67 in Hot Springs. A gas station may have operated at this location in the past. This property does not appear on the UST Section Registry nor on the Groundwater Incident database. **This site is anticipated to present low geoenvironmental impacts to the project.**

Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernible during the project reconnaissance may occur. The GeoEnvironmental Section should be notified immediately after discovery of such sites so their potential impact(s) may be assessed.

If there are questions regarding the geoenvironmental issues, please contact me, at 919-707-6870.

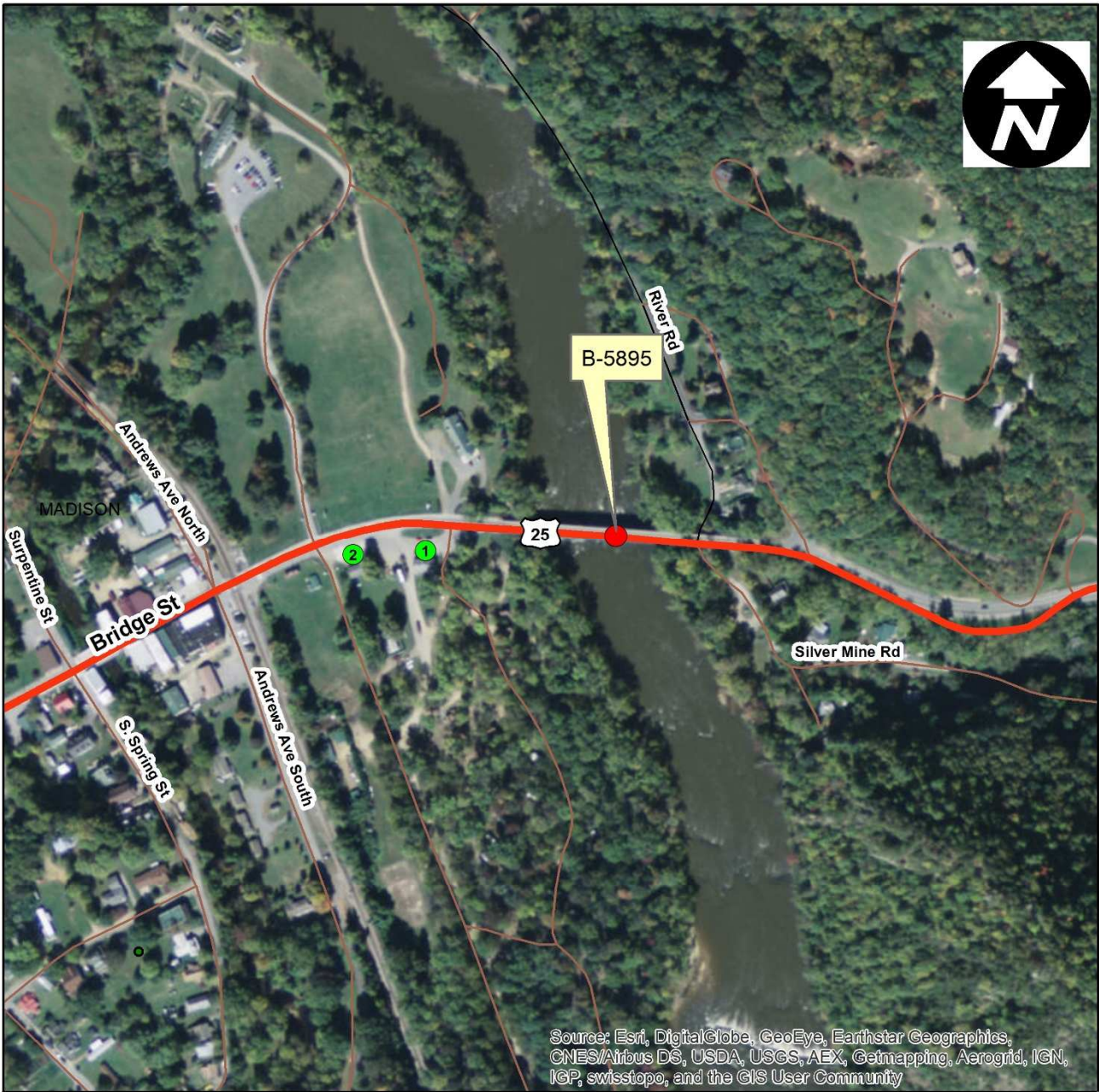


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Geotechnical Engineering Unit

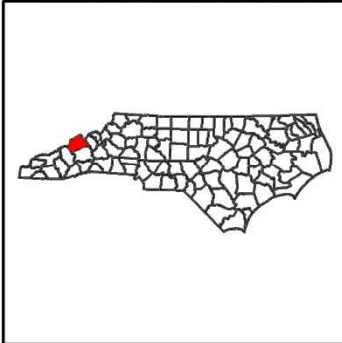
cc:

John Pilipchuk, LG, PE, State Geotechnical Engineer
Glenn Mumford, PE, State Roadway Design Engineer
David Chang, Ph. D, PE, State Hydraulics Engineer
Tom Koch, PE, State Structures Engineer
Charles Brown, PE, PLS, State Locations and Surveys Engineer
Ronald Wilkins, PE, State Utilities Manager
Cameron Cochran, PE, Bridge Construction Engineer
Robert Haskett, Division 13 Right of Way Agent
Eric Williams, PE, Geotechnical Regional Manager
Jody Kuhne, LG, PE, Regional Geological Engineer
Steve Grimes, ROW Unit, Negotiations, State Negotiator
row-notify@ncdot.gov
File

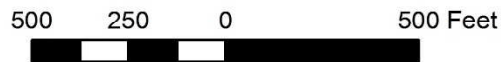
Appendix A
Location of GeoEnvironmental Sites of Concern



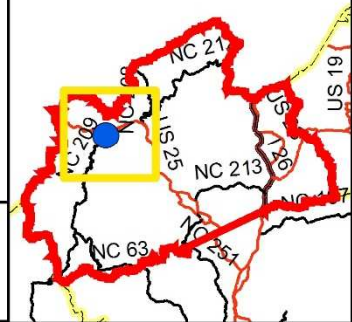
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Project 48088.1.1 (TIP # B-5895)
 Bridge # 67 over French Broad River
 on US 25/70 in Hot Springs
 Madison County



NC Department of Transportation
 Geotechnical Engineering Unit
 GeoEnvironmental Section





Bridge 67 on US 25/ US 70. View to the east.



Bridge 67 on US 25/ US 70. View to the west.



Downstream view of French Broad River. View to the northwest.



Upstream view of French Broad River. View to the southeast.