



PAT McCrory
Governor

NICHOLAS J. TENNYSON
Secretary

November 2, 2015

MEMORANDUM TO: Rob Hanson, PE
Project Development Section Head
Project Development and Environmental Analysis Branch

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

TIP NO: B-5668
WBS: 45623.1.1
COUNTY: Nash
DIVISION: 4
DESCRIPTION: Bridge 103 over a Tributary of Turkey Creek on SR 1105 (Old Middlesex Road)

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 (4) 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 project corridor. GeoEnvironmental Section staff conducted a field reconnaissance within the project limits on October 30, 2015. A search of appropriate environmental agencies' databases was performed to assist in evaluating sites identified during this study.

Findings

UST Facilities

No petroleum sites were identified within the project limits.

Hazardous Waste Sites

No Hazardous Waste Sites were identified within the project limits.

Landfills

No apparent landfills were identified within the project limits.

Other GeoEnvironmental Concerns

No other geoenvironmental concerns were identified within the project limits.

Anticipated Impacts

The GeoEnvironmental Section observed no contaminated properties during the field reconnaissance and regulatory agencies' records search.

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.

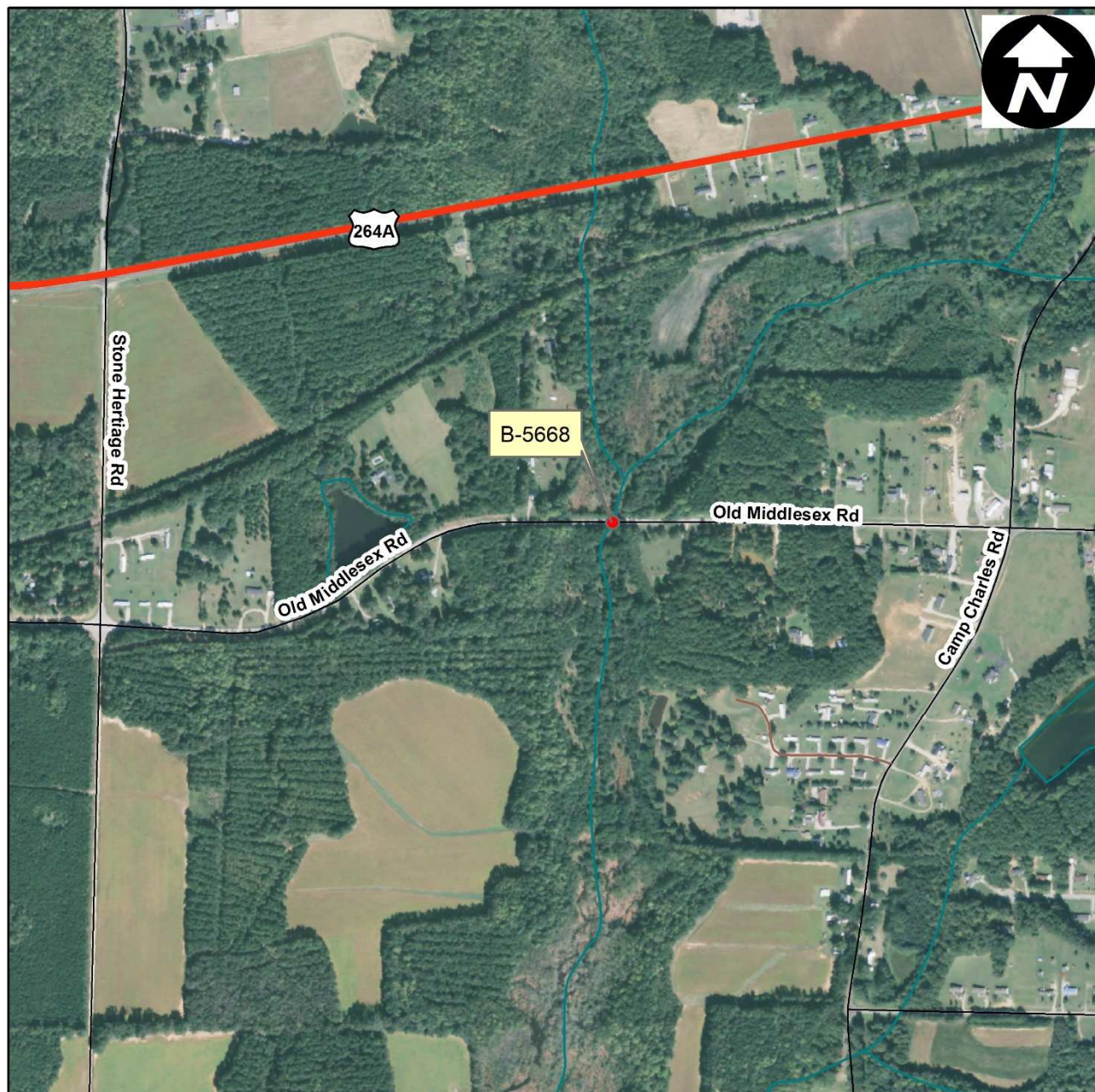


Terry W. Fox, LG
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

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
Corey McLamb, PE, Area Bridge Construction Engineer
Lloyd Johnston, Division 4 Right of Way Agent
K.J. Kim, Ph. D, PE, Geotechnical Regional Manager
Neil Roberson, LG, Regional Geological Engineer
Steve Grimes, ROW Unit, Negotiations, State Negotiator

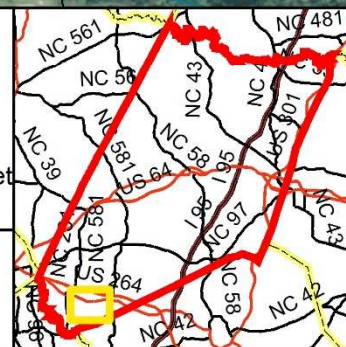
row-notify@ncdot.gov
File



A horizontal scale bar with markings at 1,000, 500, 0, and 1,000 Feet.



NC Department of Transportation
Geotechnical Engineering Unit
GeoEnvironmental Section



TIP: B-5668

Site Photographs

10/30/15



Bridge 103 on SR 1105 (Old Middlesex Road). View to the east.

Bridge 103 on SR 1105 (Old Middlesex Road). View to the west.



Downstream view of a Tributary of Turkey Creek. View to the south.

Upstream view of a Tributary of Turkey Creek. View to the north.