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STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

March 28, 2013

MEMORANDUM TO: William T. Goodwin, PE  
Project Development-Bridge Section - Section Head  
Project Development and Environmental Analysis Branch

ATTN: April Annis  
Project Development Engineer

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

TIP NO: B-5326  
WBS: 46040.1.1  
COUNTY: Wake  
DIVISION 5  
DESCRIPTION: Bridge 247 on SR 2555 (Raynor Road) over White Oak Creek

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.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL ENGINEERING UNIT  
GEOENVIRONMENTAL SECTION  
1589 MAIL SERVICE CENTER  
RALEIGH NC 27699-1589

TELEPHONE: 919-707-6850  
FAX: 919-250-4237  
[www.ncdot.gov/doh/preconstruct/highway/geotech](http://www.ncdot.gov/doh/preconstruct/highway/geotech)

**LOCATION:**  
CENTURY CENTER COMPLEX  
BUILDING B  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

## **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 study area on March 27, 2013. 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.



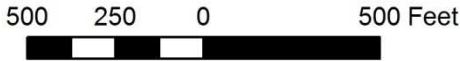
Terry W. Fox, LG  
GeoEnvironmental Project Manager  
GeoEnvironmental Section  
Geotechnical Engineering Unit

File

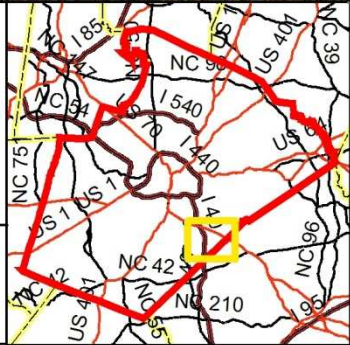
**Appendix A**  
**Location of USTs, Landfills, & Other Potentially Contaminated Sites**



Project 46040.1.1 (TIP # B-5326)  
 Bridge # 247 on SR 2555 (Raynor Rd)  
 over White Oak Creek  
 Wake County



NC Department of Transportation  
 Geotechnical Engineering Unit  
 GeoEnvironmental Section



TIP: B-5326

Site Photographs

3/27/13



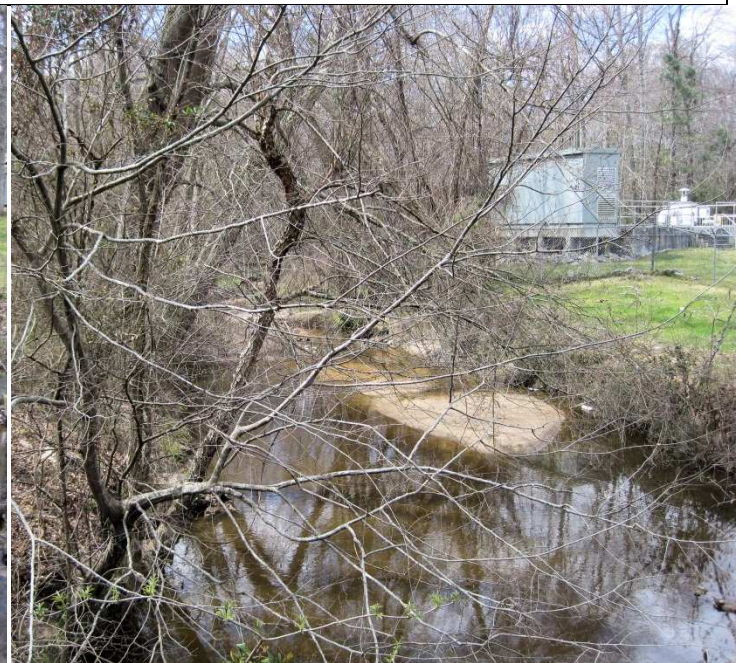
Bridge 247 on SR 2555 (Raynor Road). View to the northwest.



Bridge 247 on SR 2555 (Raynor Road). View to the southeast.



Downstream view of White Oak Creek. View to the east.



Upstream view of White Oak Creek. View to the west.