



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

June 16, 2010

MEMORANDUM TO: Derrick G. Weaver  
Project Development and Environmental Analysis Branch

ATTN: Ahmad Al-Sharawneh  
Project Planning Engineer

*Craig E. Haden*

FROM: Craig E. Haden  
GeoEnvironmental Project Manager  
GeoEnvironmental Section  
Geotechnical Engineering Unit

TIP NO: R-4707  
WBS: 36599.1.2  
COUNTY: Guilford  
DESCRIPTION: US 29 and SR 2970 (Eckerson Rd) (Ready Fork Pkwy) Interchange Improvements.

SUBJECT: **Updated 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 expanded 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

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TELEPHONE: 919-250-4088  
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

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. The initial GeoEnvironmental Impact Evaluation was completed in July 2005. Geotechnical Engineering Unit personnel conducted a field reconnaissance along the expanded corridor on June 8, 2010. This report replaces the July 2005 report. A search of appropriate environmental agencies' databases was performed to assist in evaluating sites identified during this study.

### **Findings**

#### **UST Facilities**

Four (4) sites may contain petroleum USTs within the project limits.

#### **Hazardous Waste Sites**

One (1) Hazardous Waste Sites was identified within the project limits.

#### **Landfills**

No apparent landfills were identified within the project limits.

#### **Other GeoEnvironmental Concerns**

Two (2) other geoenvironmental concerns (one metal fabrication shop and one manufacturing facility) were identified within the project limits.

### **Anticipated Impacts**

Four (4) possible UST facilities, one (1) Hazardous Waste facility, one (1) metal fabrication shop and one (1) manufacturing facility were identified within the proposed project corridor. We anticipate high to low monetary and scheduling impacts resulting from these sites. (See the following table and appendices for details)

The Geotechnical Engineering Unit will provide assessments on each of the above properties after identification of the selected alternative and before right of way acquisition. Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernable during the project reconnaissance may occur. The Geotechnical Engineering Unit 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 919-250-4088.

### Known and Potential Hazardous Material Sites

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1)	<b>Property Name</b> Jenkins Company 5949 Summit Rd Browns Summit, NC 27214  <b>Facility ID #: N/A</b> <b>Incident #: N/A</b>	<b>Property Owner:</b> John M. Jenkins PO Box 346 Brown Summit, NC 27214  <b>UST Owner: N/A</b>
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This facility operates as a metal fabrication Shop. It is located on the west side of Summit Rd approximately 1250 feet north of Eckerson Rd. There is one waste oil AST and one Diesel fuel AST located on the southeast corner of the building. **This site is anticipated to present low geoenvironmental impacts to the project.**

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2)	<b>Property Name</b> Morrisette Paper Co. 5925 Summit Ave Greensboro, NC 27214  <b>Facility ID #: N/A</b> <b>Incident #: 8313</b>	<b>Property Owner:</b> Greentree Inc. 5925 Summit Ave Browns Summit, NC 27214  <b>UST Owner: N/A</b>
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This facility is currently Morrisette Paper Co. It is located on the west side of Summit Ave approximately 1200 feet south of Eckerson Rd. It is the former location of the Allen Bradley Co. There are several monitoring wells on site associated with the Allen Bradley Co. GWI # 8313 was assigned to the former Allen Bradley Co. **This site is anticipated to present low geoenvironmental impacts to the project.**

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3)	<b>Property Name</b> Gateway Research Park 5900 Summit Ave Browns Summit, NC 27214  <b>Facility ID #: 0-033577</b> <b>Incident # 21547</b>	<b>Property Owner:</b> State of North Carolina 116 W. Jones St Raleigh, NC 27603  <b>UST Owner: NCDHR-Central School of the Deaf</b>
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This property is currently part of the UNCG Campus System. It is the former NC Central School of the Deaf. It is located on the east side of Summit Ave at the Intersection of Summit and Bryan Park Rd. According to the UST registry six (6) heating oil USTs were permanently closed in 1993. GWI # 21547 has been assigned to this facility. **This site is anticipated to present low geoenvironmental impacts to the project.**

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7)	<b>Property Name</b> Wysong & Miles Co 4820 Hwy 29 N Greensboro, NC 27405	<b>Property Owner:</b> Wysong & Miles Co PO Box 21168 Greensboro, NC 27420
	<b>Facility ID #:0-017670</b> <b>Incident #: 3567</b>	<b>UST Owner: Wysong &amp; Miles Co</b>

The facility is listed as a RCRA site for Trichloroethane. This facility is located on the east side of US 29 approximately 1000 feet north of Anita Ln. According to the UST registry one (1) 4000 gallon hydraulic oil UST was removed in 1991. Several monitoring wells were noted at the site and GWI # 3567(associated with a trichloroethane leak) has been assigned to this facility. **This site is anticipated to present intermediate geoenvironmental impacts to the project.**

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cc:

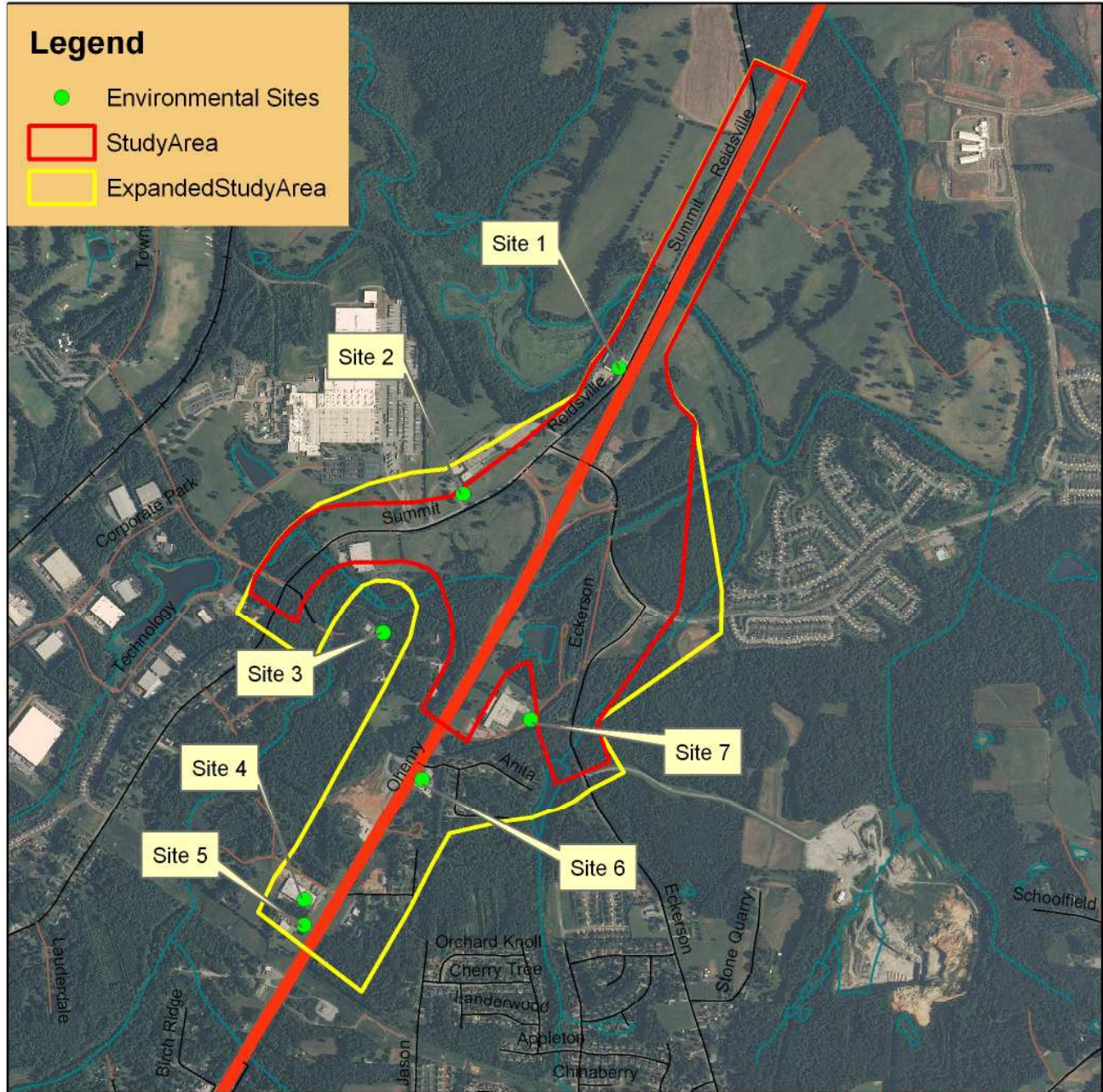
Tony Houser, Roadway Design Engineer

Lois Little, Division Right of Way

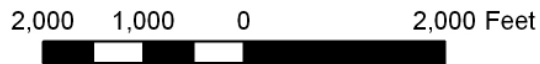
K.J. Kim, Geotechnical Engineering Unit Field Office

File

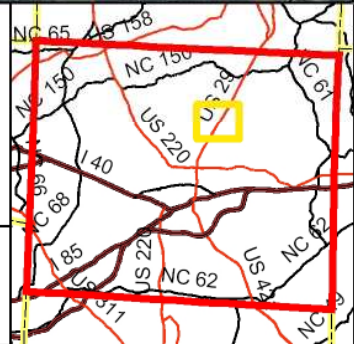
**Appendix A**  
**Location of USTs, Landfills, & Other Potentially Contaminated Sites**



Project 36599.1.2 (TIP # R-4707)  
 US 29 and SR 2970 (Eckerson Rd) ( Ready Fork Pkwy) Interchange Improvements  
 Guilford County



NC Department of Transportation  
 Geotechnical Engineering Unit  
 GeoEnvironmental Section





Appendix B: Site Photographs

6/8/10



Site #1: Jenkins. waste oil & diesel fuel AST.  
Looking West

Site # 1: Jenkins. Looking West at front of building



Site # 2: Morrisette Paper. Photo taken from Guilford  
Co GIS



Site # 3: Gateway Research Park. Photo taken from  
Guilford Co GIS



Site # 4: CGR Products. Photo take from Guilford Co GIS



Site # 5: Heritage Environmental. Photo taken from Guilford Co GIS.



Site # 5: Heritage Environmental. View Looking west down driveway.



Site # 6: Hwy 29 BP View looking southeast





Site # 7: Wysong & Miles. Photo take from the Guilford Co GIS.



Site # 7: Wysong & Miles. View looking west from back side of property.