



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

October 22, 2012

MEMORANDUM TO: Pamela Williams  
Project Executive  
Transportation Program Management Unit

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

TIP NO: N/A  
WBS: 17BP.13.R.94  
COUNTY: Yancey  
DIVISION: 13  
DESCRIPTION: BR 293 on SR 1411 (Little Creek Road) over Bald Mountain Creek

SUBJECT: **GeoEnvironmental Report for Planning**

The Geotechnical Engineering Unit has completed the Geotechnical 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  
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**

Florence & Hutcheson, Inc. personnel conducted a Structure Subsurface Investigation for the bridge replacement project at this site during September 2012. The material recovered from one boring, EB1-A was noted to have a petroleum odor. This information was passed to the GeoEnvironmental Section for further review. The Geographical Information System (GIS) was consulted to identify known sites of concern in relation to the project limits. A search of appropriate environmental agencies' databases was performed to assist in evaluating the site identified during this study.

#### **Findings**

##### **UST Facilities**

Based on our study, one (1) site 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 other geoenvironmental concerns were identified within the project limits.

#### **Anticipated Impacts**

One (1) possible UST facility was identified within the proposed project corridor. 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**

- 
- |                                                                                                                                      |                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1) <b>Property Name</b><br>Guy's General Store<br>21 Little Creek Road<br>Burnsville, NC 28714<br><br><b>Facility ID #:</b> 0-031048 | <b>Property Owner:</b><br>LJL Enterprises, LLC<br>81 Old House Rock Lane<br>Burnsville, NC 28714<br><br><b>UST Owner:</b><br>LJL Enterprises, LLC<br>81 Old House Rock Lane<br>Burnsville, NC 28714 |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
- 



This facility currently operates as a convenience store and gas station. It is located in the southwest quadrant of Bald Mountain Road and Little Creek Road. According to the UST Section Registry there are four tanks currently in use. The tank bed is located just west of the Bridge 293 south end bent. The Florence & Hutcheson boring, EB1-A, is located in an excavated area between the present tank bed and the bridge. The soil in this former tank location is stained from 5 to 10 feet in depth. The material from the boring was reported to have a petroleum odor beginning at 10 feet below ground surface. This property does not appear on the Groundwater Incident database. **This site is anticipated to present low geoenvironmental impacts to the project.**

---

The Geotechnical Engineering Unit can 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 919-707-6870.

A handwritten signature in blue ink, appearing to read "Terry W. Fox".

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

File



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



Project 17BP.13.R.94 (TIP # N/A)  
BR# 293 on SR 1141 (Little Creek Rd)  
over Bald Mountain Rd  
Yancey County

100 50 0 100 Feet



NC Department of Transportation  
Geotechnical Engineering Unit  
GeoEnvironmental Section

