




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

April 14, 2011

MEMORANDUM TO: John Richards, EI
Project Development Engineer
Project Development and Environmental Analysis Branch

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

TIP NO: R-5014
WBS: 41162.1.1
COUNTY: Dare
DIVISION: 1
DESCRIPTION: SR 1217 (Colington Road) from End to US 158 (Croatan Highway) - Kill Devil Hills

SUBJECT: **Geotechnical 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 (6) pages

Please contact the project team members listed in the report 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: 919-250-4088
FAX: 919-250-4237

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. Geotechnical Engineering Unit personnel conducted a field reconnaissance along the 4.3 mile project corridor on April 12, 2011. A search of appropriate environmental agencies' databases was performed to assist in evaluating sites identified during this study.

Findings

UST Facilities

Four (4) petroleum UST 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

One other geoenvironmental concerns, an AST facility, was identified within the project limits.

Anticipated Impacts

Four (4) UST facilities and one (1) AST facility were 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)	Property Name: TJ's Gas & Grill 2197 Colington Road Kill Devil Hills, NC 27948	Property Owner: Beasley, Beasley & Beasley PO Box 237 Kill Devil Hills, NC 27948
	Facility ID #: 0-036745 Incident #: 31750	UST Owner: Billy's Seafood, Inc PO Box 237 Kill Devil Hills, NC 27948

This facility currently operates as a convenience store & gas station. It is located on the south side of Colington Road and approximately 160 feet west of the King Court intersection. The tank bed is located about 100 feet from the Colington Road centerline. According to the UST Section registry there are two tanks currently in use. Four (4) tanks were removed in 2007 by the former operator. There are monitoring wells on site and Ground Water Incident # 31750 was assigned to this facility. **This site is anticipated to present low geoenvironmental impacts to the project.**

2)	Property Name: Billy's Seafood & Groceries 1341 Colington Road Kill Devil Hills, NC 27948	Property Owner: Billy & Judy Beasley PO Box 237 Kill Devil Hills, NC 27948
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This facility currently operates as a grocery and seafood store. It is located on the south side of Colington Road and just east of the Colington Mobile Home Park Entrance. This business has two AST's located near the southeastern corner of the structure. A fuel dispenser is located behind the building to service the small marina at this location. The water table is too shallow to accommodate USTs and the facility does not appear on the UST Section registry. **This site is anticipated to present low geoenvironmental impacts to the project.**

3)	Property Name: The Blue Crab Tavern 1180 Colington Road Kill Devil Hills, NC 27948	Property Owner: Argie Shultz 315 Quail Lane Kill Devil Hills, NC 27948
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This facility currently operates as a tavern. It is located on the north side of Colington Road and across from the Creekside Lane intersection. This building built in 1950, has the appearance of a former gas station and marina. The building front is approximately 70 feet from the Colington Road centerline. The property does not appear on the UST Section registry. **This site is anticipated to present low geoenvironmental impacts to the project.**

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- 4) **Property Name:**
Wright Brothers National Memorial
Maintenance Shop
1000 Colington Road
Kill Devil Hills, NC 27948
- Property Owner:**
US Department of Interior
1849 C St NW
Washington, DC 20240
- UST Owner:**
National Park Service
US 158
Kill Devil Hills, NC 27948
- Incident - UST#:** WA-25151

This facility currently operates as a maintenance shop for the Wright Brothers National Memorial. It is located on the north side of Colington Road and 200 feet east from the Ocean Bay Boulevard intersection. A gasoline spill was reported in 1995 and is recorded on the Ground Water Incident database. **This site is anticipated to present low geoenvironmental impacts to the project.**

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- 5) **Property Name:**
Pantry 3854 – Kangaroo Express
100 W. Ocean Bay Blvd
Kill Devil Hills, NC 27948
- Property Owner:**
National Retail Properties, LP
450 South Orange Ave, STE 900
Orlando, FL 32801
- Facility ID #:** 0-011535
Incident #: 03040
- UST Owner:**
The Pantry, Inc.
1801 Douglas Drive
Sanford, NC 27330

This facility currently operates as a convenience store & gas station. It is located in the southwest quadrant of US 158 (S. Croatan Highway) and Colington Road-Ocean Bay Boulevard intersection. The tank bed is located on the western edge of the parcel and approximately 95 feet from the Colington Road centerline. According to the UST Section registry there are five (5) tanks currently in use. Seven (7) tanks were removed in 1994. There are monitoring wells on site and Ground Water Incident # 03040 was assigned to this facility in 1985. **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 919-250-4088.

A handwritten signature in blue ink that reads "Terry W. Fox". The signature is cursive and stylized.

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

cc:

Anthony West, PE, Roadway Design

Mike Kinlaw, Division 1 Right of Way

K.J. Kim, PE, Geotechnical Engineering Unit Eastern Regional Office

File

Location of USTs, Landfills, & Other Potentially Contaminated Sites



TIP: R-5014

Site Photographs

April 12, 2010



Site 1: TJ's Gas & Grill. View to the northwest.



Site 2: Billy's Seafood & Groceries. View to the southwest.



Site 2: Billy's Seafood ASTs and dispenser. View to the southwest.



Site 3: The Blue Crab Tavern. View to the northwest.



Site 4: Wright Brothers Memorial Maintenance Shop. Dare County GIS aerial photography.



Site 5: Pantry 3854 – Kangaroo Express. View to the south.