



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

April 23, 2013

MEMORANDUM TO: Mark Pierce, PE
Project Development Engineer
Project Development and Environmental Analysis Branch

FROM: Gordon Box, LG
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

TIP NO: R-2553
WBS: 34460.1.2
COUNTY: Lenoir
DIVISION 2
DESCRIPTION: US 70 Kinston Bypass

SUBJECT: **Preliminary GeoEnvironmental Alternatives Analysis**

On February 27, 2013, the GeoEnvironmental Section received an update of the seventeen (17) proposed, 500-foot-wide, Detail Study Alternative (DSA) corridors under consideration for a CP2A meeting tentatively scheduled for early Fall 2013. GeoEnvironmental personnel researched GIS database records to identify by type the number of potentially hazardous waste sites within each corridor that would pose a concern to the Department. Please refer to the table for the type and number of sites and the corridor(s) in which each is located. Please refer to the figure for the location of sites of concern within the DSAs.

In brief, the GIS data suggest the following sites of concern are located within the given DSA corridor(s): Alternative #1 has eight (8) underground storage tanks (USTs) registered with the North Carolina Department of Environment and Natural Resources (NCDENR) and six (6) groundwater incidents identified by NCDENR; Alternatives #2 and #5 each have one (1) UST registered with NCDENR and two (2) groundwater incidents identified by NCDENR; Alternatives #11 and #12 each have one (1) UST registered with NCDENR and one (1) groundwater incident identified by NCDENR; Alternatives # 53 and #56 each have one (1) groundwater incident identified by

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NCDENR. For the balance of the alternative corridors, no sites of concern have been identified by the GIS research.

Field verification of the hazardous waste sites and identification of heretofore unknown sites should be performed when an alternative is chosen, design is further refined, and prior to Right of Way authorization.

Sites of concern such as those identified are typically found along preexisting roadways and characteristically present a low to moderate risk of additional expense to a given Transportation Improvement Project.

**Table
USTs, Landfills & Other
Potentially Contaminated Sites**

Alternative Number	Sites with Registered USTs	Sites with Groundwater Incidents	Solid Waste Sites	Hazardous Waste Sites	Sites with Landfills
1	8	6	0	0	0
2	1	2	0	0	0
5	1	2	0	0	0
11	1	1	0	0	0
12	1	1	0	0	0
31	0	0	0	0	0
32	0	0	0	0	0
35	0	0	0	0	0
36	0	0	0	0	0
51	0	0	0	0	0

**Table
USTs, Landfills & Other
Potentially Contaminated Sites**

Alternative Number	Sites with Registered USTs	Sites with Groundwater Incidents	Solid Waste Sites	Hazardous Waste Sites	Sites with Landfills
52	0	0	0	0	0
53	0	1	0	0	0
56	0	1	0	0	0
57	0	0	0	0	0
61	0	0	0	0	0
63	0	0	0	0	0
65	0	0	0	0	0

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

