



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION


ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

June 30, 2017

MEMORANDUM TO: Christopher Werner
Project Engineer
AECOM

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

DocuSigned by:

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

SUBJECT: Revised Preliminary GeoEnvironmental Alternatives Analysis

On 3/21/2017 the GeoEnvironmental Section received a request to update and revise the previously issued Preliminary GeoEnvironmental Alternatives Analysis, dated 4/23/2013, in order to reflect the current twelve detailed 500-foot-wide study alternatives of the Kinston Bypass update.

In brief, the GIS data suggest the following forty-two sites of concern located within the provided corridors, including thirty-three UST sites, six auto salvage operations, one landfill, and two industrial Small Quantity Generators of non-acute hazardous waste.

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.

cc:
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File

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

Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
1	SQG	4758 Washington St. LaGrange	NA	Cooper Interconnect/ Crouse-Hinds Molded Products formerly Joy Molded Products	Cooper Crouse-Hinds LLC 1201 Wolf St. Syracuse NY;formerly Joy Manufacturing Co. PO Box 156 La Grange NC/ Cooper Crouse Hinds LLC 356604936335 4758 Washington St PO Box 80615 Indianapolis IN 46280	Low	Low	Small Quantity Generator (SQG) NCD065293870 of 100 to 1,000 Kg/Mo. of non-acute hazardous waste
2	UST	7903 Highway 70 West	00-0-0000034400	Grange Central Station	Linda W Hines/Co Y.7905 357600012723 Highway 70 West Lagrange NC 28551	Low	Low	Active gas station.

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3	UST	7851 Highway 70 West	00-0-0000003328	Hasty Mart 31	Ssy Stantonsburg LLC 357600017313 PO Box 368 / 301 Moyton Ave Stantonsburg NC 27883-0368	Low	Low	Active gas station. Possible location of: 1) IncidentNu: 5354 Closed Out 12/8/2011. USTNum: WA-119 IncidentNa: L.V. Apperson Site. 2) IncidentNu: 6670 USTNum: WA-270 IncidentNa: Former Alexander/Myers Property-State Lead.
4	Auto Salvage	7514 Hwy 70 West	NA	Vacant Site With Billboard	Foss Jimmie Carr & Linda 357500392092 415 Lake Pine Drive Lagrange NC, 28551	Low	Low	Auto Salvage c. 1993 Google Earth Historical Imagery
5	Auto Salvage	7135 Hwy 70 West	NA	Foss Enterprises Inc.	Foss Enterprises Inc. 357500555661 7037 Hwy 70 West Lagrange NC 28551	Low	Low	Current Auto Salvage, scrap yard.

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6	Auto Salvage	7067 Hwy 70 West	NA	Foss Jimmie Carr Jr	Foss Jimmie Carr Jr & P.I.N:357500645 681 7037 US Hwy 70 West Lagrange Nc:28551	Low	Low	Current Auto Salvage, scrap yard.
7	UST	Highway 70 West (6844 Hwy 70 West)	00-0- 0000017146	Singleton's Grocery	Singleton's Grocery Highway 70 West Kinston, NC 28501 Twyman John Michael 357500844696 Hwy 70 West 6844 Hwy 70 West Lagrange NC 28551	Low	Low	IncidentNu: 21994. (Location assumed based on nearest former gas station to the DEQ plot of data. DEQ does not list the address.)
8	UST	Hwy 70 West	NA	Farm Stand	Wilson Harriett A Heirs 358500040065 501 W Boundary St Lagrange NC 28551	Low	Low	Current farm stand, probable former gas station.

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9	UST	6130 Highway 70 West Aka 6174 Hwy 70 West	00-0- 0000002256	Mallard Food Shop No. 19	Mallard Oil Co 1502 Greenville Hwy/Harvey C Felix Rev Tr Etals 358500429421 6174 Hwy 70 West PO Box 189 Kinston NC 28502	Low	Low	Active gas station.
10	UST	5744 Hwy 70 West	00-0- 0000013267 (Ustnum: WA- 169)	Falling Creek Service Center	Daughety James L III 358500926519 2301 Kennedy Home Road Lagrange NC 28551	Low	Low	IncidentNu: 5790 Closed Out 3/20/2012. (US 70 At Ncsr 1324 Lagrange 28501) Apparent inactive gas station (per Google Streetview) Easton Rd intersection
11	SQG	1028 Innovation Way	NA	Pharmaceutical Services	West Pharmaceutical 359504632108 1028 Innovation Way Kinston NC 28504	Low	Low	SQG NC0991302536 of 100 to 1,000 Kg/Mo. of non-acute hazardous waste, operating as Conditionally Exempt SQG.
12	UST	70/Vernon Avenue	00-0- 0000005431 (Ustnum: WA- 1633 WA-930)	Coca Cola Warehouse	Coca Cola Warehouse 70/Vernon Avenue	Low	Low	IncidentNu: 18825 & 11994 (both reportedly closed out c. 2000) Precise location unclear.

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
13	UST	4050 West Vernon Avenue	NA (WA-27419)	Kinston Suzuki	Sheffield Dr Investors LLC 450503427867 4050 W Vernon Av 1015 Ashes Dr Ste 201 Wilmington NC 28405	Low	Low	IncidentNu 38586 Closed Out 10/21/2015. May also be the location of SALE CHEVROLET BUICK BMW HWY 258 & HWY 70 Precise location unclear. IncidentNu: 11913, Facility ID 00-0-0000025219 (USTNum: WA-915).
14	UST	3800 W. Vernon	00-0-0000030287 (Ustnum: WA-761)	66 Mini-Mart (In & Out) / Speedway 8229	Speedway LLC 500 Speedway Drive Enon OH 45323-1026/ Williams Family Heirs LLC 450504536411 3800 W Vernon Av 3602 Hwy 264 East Greenville NC 27858	Low	Low	IncidentNu: 10631 Closed Out 12/20/2000.

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
15	UST	Hwy 70 West	00-0-0000005431 (Ustnum: WA-516)	Davis Tire	Hwy 70 West Kinston, NC 28501	Low	Low	IncidentNu: 7835 Closed Out 5/15/1992. Location unclear, plotted at 1145 & 1053 Hwy 258 North owned by David Sale PO Box 1068 Kinston, NC:28503
16	UST	3601 West Vernon	00-0-0000014149 94963	C-Mart 9 Pure	Cherry Oil Co Inc Po Box 1424/401 Abbott Street Kinston NC 28501/Ajal Investments LLC 450504643192 3701 W Vernon Av P O Box 1424 Kinston NC 28503	Low	Low	Four USTs at apparently active gas station.

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
17	UST	2697 Hwy 258 N.	NA (Ustnum: WA-26125)	Carolina Ice Company	Carolina Ice Company 2697 Hwy 258 N. Kinston 28504/ Shackelford Properties LLC P.I.N:450504841 176 2410 W New Bern Rd PO Box 3409 Kinston NC	Low	Low	IncidentNu: 31388 Closed Out 5/25/2005
18	Auto Salvage	County Property Address: Hwy 70 Off	NA	Auto Salvage	Shackelford 450504831765 & 450504834413. 4464 Hwy 58 North Kinston NC	Low	Low	
19	Auto Salvage	1601 W New Bern Rd	NA	Auto Salvage	Davis Reuben J 451503329306 & 451503422564 1601 W New Bern Rd Kinston, NC 28504	Low	Low	

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
20	UST	1100 W New Bern Rd	00-0-0000013268 (Ustnum: WA-1 & WA-841)	Stroud's Exxon	Hwy 70 Bypass @ Hwy 11 Kinston, NC 28501/ Auto Pro Co LLC 451504700497 Po Box 6284 Kinston, NC 28501	Low	Low	IncidentNu: 24527 & 11440 Closed Out 5/20/1996 (IncidentNa 70 By-Pass Exxon-Harvey Oil Co). Also The Unclear Possible Location Of Incidentnu: 8341 Closed Out 12/15/2004, (Ustnum Wa-559) Emro 218 / Speedway 218 00-0-0000017030 Address: Pink Hill Road (Hwy 11) Kinston, NC 28501
21	UST	1101 W New Bern Rd	00-2-0000014146 (Ustnum WA-2087)	Fuel Warehouse	Mallard Oil Co 1502 Greenville Hwy Kinston NC 28501-3137/Majal LLC 451504704606 P O Box 1008 Kinston NC 28503	Low	Low	Three USTs. IncidentNu 23553 Closed Out 8/17/2001.

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
22	UST	1020 E New Bern Road	00-0-0000002258	Circle B 9	Sridev Investments LLC 207 Cassedale Drive Goldsboro NC 27534-9410/ Sridev Investments LLC 451504703261 1020 W New Bern Rd 928 Old Grantham Rd Goldsboro NC 27530	Low	Low	Five USTs.
23	UST	1005 South New Bern Rd	00-2-0000001178 (WA-1473)	Kinston Quick Stop/ Scotchman #78	Worsley Companies, Inc. PO Box 3227/10 S. Cardinal Dr Wilmington NC 28406-0227/ Spur Service Center Inc 451504706457 1005 Hwy 70 West 712 N George Street Goldsboro NC 27530	Low	Low	IncidentNu: 17382 Two USTs. Is also the DEQ-plotted location of NCD003458643 Tidewater Transit Co Inc., 6174 Hwy 70 W Kinston NC 28504.

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
24	UST	1050 Newbern Road	00-0-0000035979	Minuteman Foodmart 35	Redco Properties LLC 451402797682 1050 W New Bern Rd Po Box 277 Kinston, NC 28502	Low	Low	Three USTs. .
25	Landfill	Lake Street And US 70	NA	Carter's Refuse Disposal	Carter's Refuse Disposal	Low	Low	NONCD0000395 Precise location unclear.
26	UST	Jct. Of Hwy 70 And 258 South	NA (Ustnum WA-25991)	NCDOT Weigh Station	Hwy. 70/Kinston Kinston, NC 28502	Low	Low	IncidentNu 31277 Closed Out c. 2005. Precise location unclear.
27	UST	225 East New Bern Road	00-0-0000017081 (USTNum: WA-1834)	Neuse Sports Shop	225 East New Bern Road Kinston NC 28504/Neuse Sport Shop Inc 452410366165 225 E New Bern Rd 225 East New Bern Rd Kinston, NC 28504	Low	Low	IncidentNu: 21265 Closed Out 11/15/2000.

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
28	UST	310 East New Bern Ave	00-0-0000013761 (Ustnum WA-26333)	The Pantry #3181 (Former)	310 East New Bern Ave Kinston NC 28504/Kennedy James Dwight 452410462431 300 E New Bern Rd 2820 Alton Phillips Rd Kinston NC 28504	Low	Low	IncidentNu: 31537 Closed Out c. 2007.
29	UST	303 East New Bern Road	00-0-0000013627 (Ustnum WA-1202)	Scotchman 185	Scotchman 185 303 East New Bern Road/ Sinhala Vimalkumar H. 452410466181 410 E New Bern Rd 101 West Meath Drive Winterville NC 28590	Low	Low	Incident Number 14108 Closed Out 2/12/2015.
30	UST	509 E New Bern Road	00-0-0000035518	Circle K 2723472	Circle K Stores Inc. 2550 W. Tyvola Road, Suite 200 Charlotte NC 28217-4579/	Low	Low	

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
31	UST	606 E. New Bern Rd.	(Ustnum: WA-27177)	Barrus Property	Barrus 606 E. New Bern Rd. Kinston 28501/ 452404846557 604 E New Bern Rd PO Box 7948 Rocky Mount NC 27804	Low	Low	IncidentNu: 38342 Closed Out 12/18/2012.
32	UST	700 East New Bern Road	00-0-0000014760 (Ustnum WA-27185 & Ustnum WA-27376)	The Pantry #3076	The Pantry #3076 700 East New Bern Road Kinston 28501/Standard Kinston LLC 452404640483 700 E New Bern Rd 719 Virginia Ave Indianapolis IN 46203	Low	Low	IncidentNu 38350 & 38552 Closed Out 2/27/2014 Closed Out 5/19/2015.
33	UST	Us Hwy 70 E	00-0-0000012731 (Ustnum WA-291)	Former Montgomery-Green Facility	Former Montgomery-Green Facility Us Hwy 70 E	Low	Low	IncidentNu 6780 Closed Out 9/7/2004. Location plotted per DEQ, however, precise location unclear.

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Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
34	UST	Us Highway 70 East	NA (Ustnum WA-2032)	Oh! Do Drop In (Former)	Oh! Do Drop In (Former) Us Highway 70 East Kinston, NC 28501	Low	Low	IncidentNu 23300 Closed Out 9/28/2009. As plotted by DEQ, however, precise location unclear.
35	UST	Hwy 70 East	NA	Marr's Automotive, LLC	King Mary Lou 453404607464 Hwy 70 East 1945 Hwy 70 East Kinston NC 28501	Low	Low	Former gas station evident in Google Streetview.
36	UST	6041 Hwy 70	NA	Mallard Oil Company	Mallard Oil Company PO Box 1051 Kinston, NC 28501	Low	Low	Site currently has Above Ground Storage Tanks (ASTs) per Google Earth.
37	Auto Salvage	5763 Hwy 70 East	NA	Auto Salvage	E & C Properties of Dover LLC 5661 Hwy 70 Dover, NC 28526	Low	Low	Jones County
38	UST	136 Dover Rd	NA	Auto Service Center,	Tilghman, Gilbert Ernest 136 Dover Rd Dover, NC 28526	Low	Low	Auto Service Center, possible former gas station – a DEQ incident plots nearby.

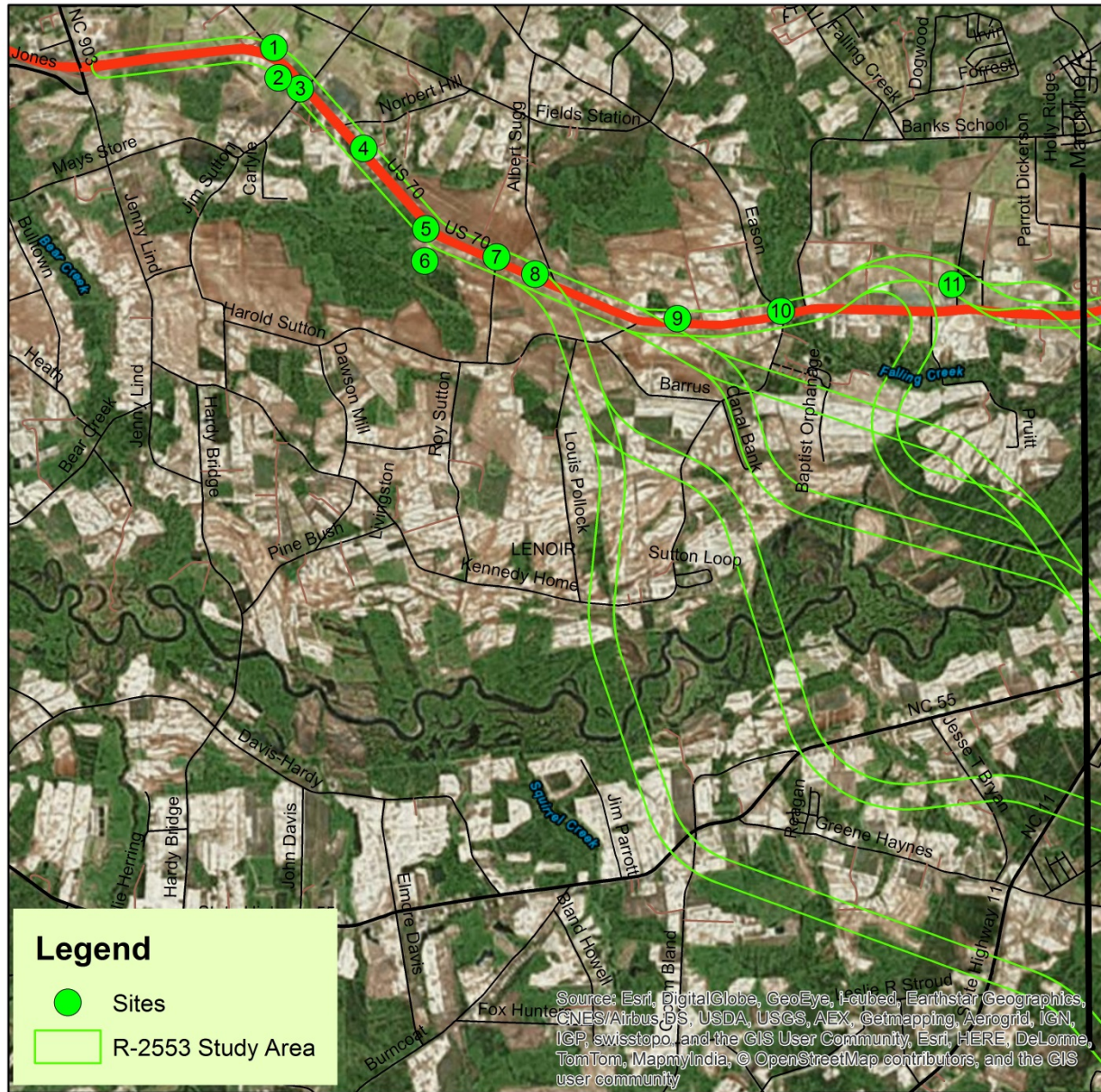
**Table
USTs, Landfills & Other Potentially Contaminated Sites of Concern**

Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
39	UST	2777 Highway 55 West	00-0-0000013517 (Ustnum: WA-26024)	Lighthouse Food Mart #110	Lighthouse Food Mart #110 2777 Highway 55 West/Barnes Food Company 450300482505 2777 Hwy 55 West PO Box 1703 Cary NC 27512	Low	Low	IncidentNu: 31302
40	UST	159 Hwy 11 South	00-0-0000021759	Southeast- Ern Freight Lines, Inc.	Southeastern Freight Lines Inc. 420 Davega Road Lexington SC /Southeastern Freight Lines 450300486017 159 Hwy 11 South Po Box 1691 Columbia SC 29202	Low	Low	
41	UST	1702 Old Pink Hill Road Kinston 28501	00-0-0000024841 (Ustnum WA-1688)	The Pantry # 905	Braxton Judy O 451401271930 Hwy 11/55 2392 Hwy 11 South Kinston NC 28504	Low	Low	IncidentNu 19332 Closed Out 5/21/1999.

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USTs, Landfills & Other Potentially Contaminated Sites of Concern**

Site #	Type	Location	UST Facility ID #	Property Name	UST Owner / Property Owner	Anticipated Impact	Anticipated Risk	Comments/Alternative
42	UST	1559 Hwy 11/55	00-0-0000024841 (WA-1688)	Vacant lot	The Pantry 905, 1559 Hwy 11/55 /Goodman J L 451401471395 Hwy 11/55 1559 Hwy 11/55 Kinston NC 28504	Low	Low	IncidentNu 19332 Closed Out 5/21/1999. Floor slab evident in Google Earth.

Appendix A Location of GeoEnvironmental Sites of Concern



Legend

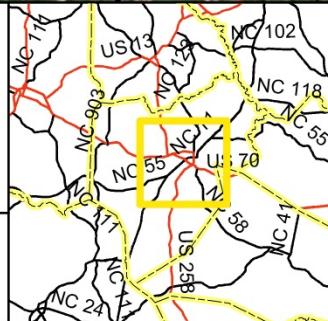
- Sites
- R-2553 Study Area



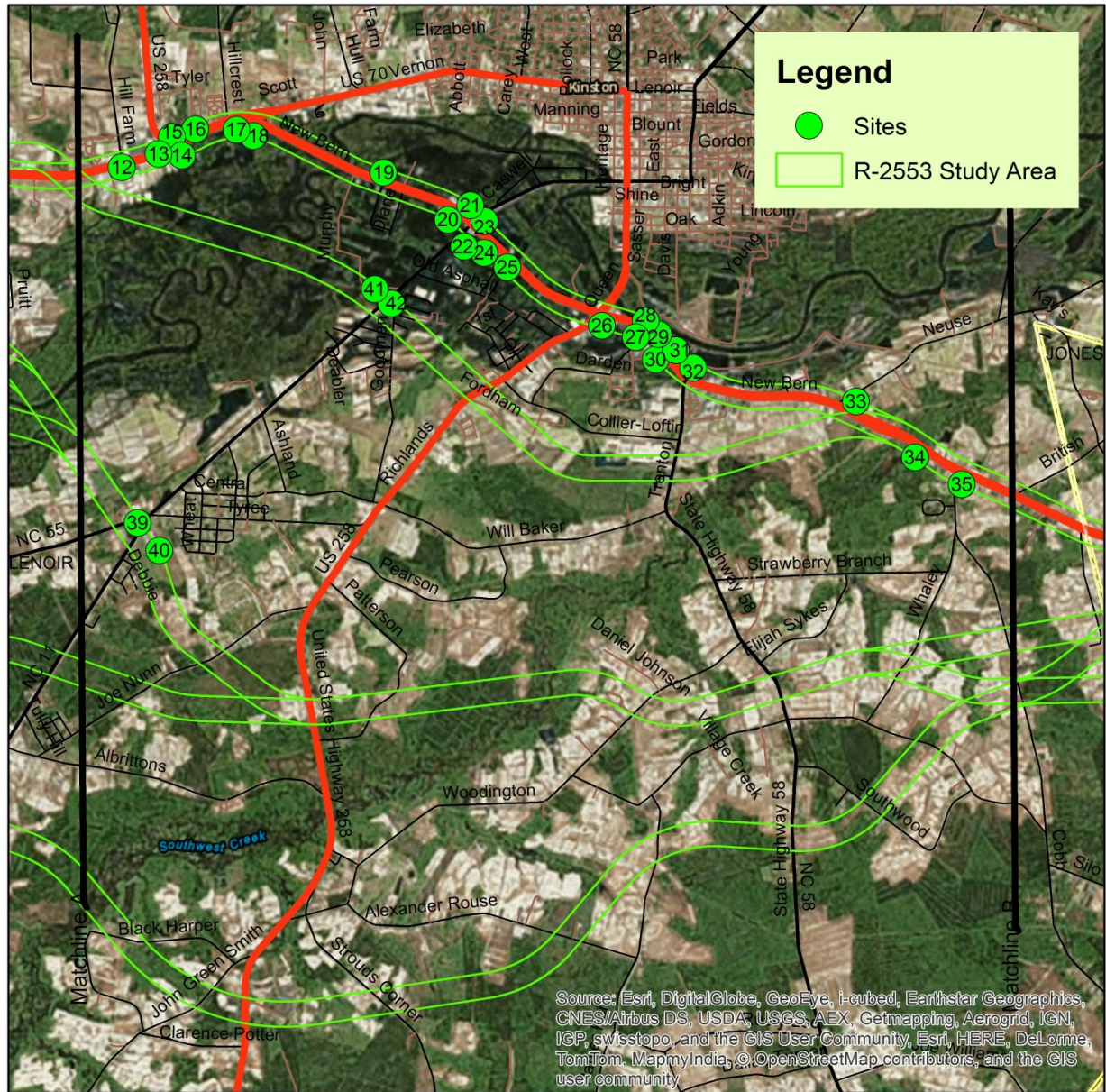
Project 34460.1.2 (TIP # R-2553)
US 70 (Kinston Bypass)
Lenoir County

7,500 3,750 0 7,500 Feet

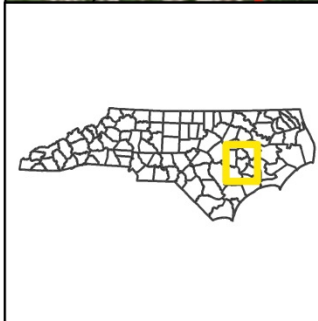
NC Department of Transportation
Geotechnical Engineering Unit
GeoEnvironmental Section



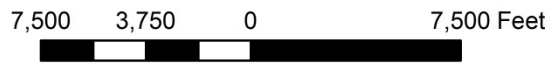
Appendix A
Location of GeoEnvironmental Sites of Concern



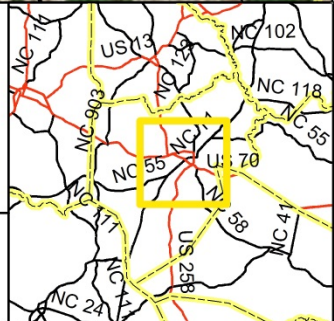
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, TomTom, MapmyIndia, ©OpenStreetMap contributors, and the GIS user community



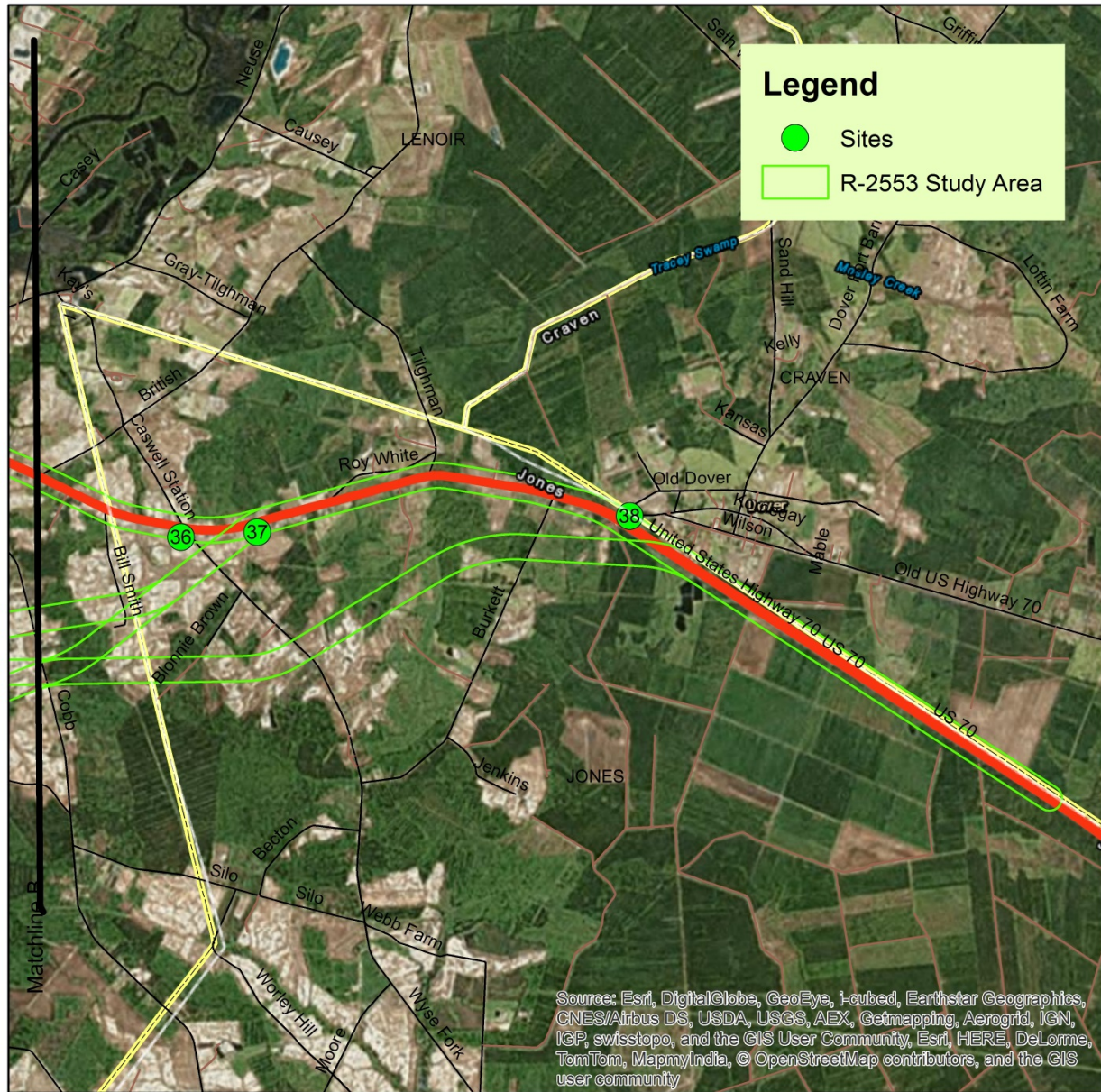
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Lenoir County



 NC Department of Transportation
Geotechnical Engineering Unit
GeoEnvironmental Section



Appendix A Location of GeoEnvironmental Sites of Concern



Project 34460.1.2 (TIP # R-2553)
US 70 (Kinston Bypass)
Lenoir County

7,500 3,750 0 7,500 Feet



NC Department of Transportation
Geotechnical Engineering Unit
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