

APPENDIX J
UST-HAZMAT OVERVIEW

UNDERGROUND STORAGE TANK (UST) & HAZARDOUS MATERIALS (HazMat) OVERVIEW

**US 31W Corridor including KY 446 Ramps
Old Porter Pike to KY 957
Warren County, KY**

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**Underground Storage Tank (UST) & Hazardous Materials (HazMat) Overview
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1.0 Introduction

The purpose of this overview is to identify underground storage tank (UST) and hazardous material concerns and document existing environmental information obtained from Federal, State and local database search records for facilities or individuals that generate, transport, treat, store, or disposed of hazardous materials including underground storage tanks within the US 31W corridor as indicated in the shaded portion of the study area map in Appendix A.

This document constitutes a Underground Storage Tanks (UST) & Hazardous Materials (HazMat) Overview, it does not constitute a Phase I Site Assessment, Phase II Site Assessment or Environmental Assessment and is intended to be used by the Kentucky Transportation Cabinet (KYTC) for preliminary assessment of costs associated with the acquisition of new, potentially contaminated right-of-way as required for the project, and the potential future costs and liabilities, which might accrue to the KYTC as owner.

2.0 Underground Storage Tank (UST) & Hazardous Materials (HazMat) Records Search

Federal, State and local database record searches were conducted in order to investigate potential locations that may contain underground storage tanks and hazardous materials that might pose substantial costs and liabilities for right-of-way acquisition and cleanup.

Environmental Data Resources Inc. (EDR), a commercial provider of environmental risk information provided the electronic review of applicable environmental database searches consisting of 54 Federal records, 20 State and local records, 5 tribal records and 5 EDR proprietary records within the study area. Records databases for the listed sites identified in the EDR DataMap Area Study are summarized in Table 1 with the listed site locations shown on the EDR map included in Appendix C.

EDR DataMap Area Study – Records Databases				
Table 1				
Listed Site Map ID	Database Code	State	Database	Database Full Name
28	AA	US	CORRACTS	Corrective Action Report
3,15	AT	KY	SWRCY	Recycling Facilities
3,7	AW	KY	HIST LF	Historical Landfills

28	B	US	PADS	PCB Activity Database System
30	BH	KY	SB193	SB193 Branch Site Inventory List
28	BP	NY	MANIFEST	Facility and Manifest Data
3,12,25,29	BQ	KY	AIRS	Permitted Airs Facility Listing
8,10	D	US	HMIRS	Hazardous Materials Information Reporting System
3,4,8,12,18,21,24,29	DI	KY	NPDES	Permitted Facility Listing
14,27	DR	US	EDR DRY CLEANERS	EDR Exclusive Historic Dry Cleaners
9,14,17,18,19,20,23	DS	US	EDR GAS STATIONS	EDR Exclusive Historic Gas Stations
3,14	DY	KY	FINANCIAL ASSURANCE	Financial Assurance Information Listing
8,14,25	E	US	ERNS	Emergency Response Notification System
3,29	FL	US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators
2,4,11,12,14,16,25	FM	US	RCRA-NLR	RCRA - Non Generators
28	H	KY	HWS	State Leads List
2,4,8,11,12,14,17,19,23,24,25,26,28,29,30	I	US	FINDS	Facility Index System/Facility Registry System
3,7	L	KY	LF	Solid Waste Facilities List
4,10,11,13,14,17,22,25,30	M	KY	SPILLS	State spills
25,28	Q	US	RCRA-LQG	RCRA - Large Quantity Generators
29	S	US	TRIS	Toxic Chemical Release Inventory System
28	T	US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal
1,2,4,5,6,12,14,17,25,28,30,31	U	KY	UST	Underground Storage Tank Database
25,28,29	ZM	US	AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (AFS)

The EDR database searches identified and mapped 31 listed sites occurring in 102 multiple record searches of which 12 of the listed sites were from the UST records database. The EDR DataMap Area Study is included in Appendix B and the listed sites are summarized in Table 2.

EDR DataMap Area Study - Listed Sites

Table 2

Site Map ID	Database Code(s)	Listed Site Name	Listed Site Address
1	U	Pepsi Cola General Bottlers Inc	825 Graham Ave
2	I,FM	Interstate Express, Inc.	4680 Louisville Road
2	U	PST Vans Inc	4680 Louisville Rd
2	FM	PST Vans Inc	4680 Louisville Road
3	DY,BQ,DI,L	Kenway Contracting Inc	4520 Louisville Rd
3	FL	Kenway Contracting, Inc.	4520 Louisville Road
3	AT,AW	Kenway Contracting, Inc.	4520 Louisville Road
4	M		
4	M		
4	I	Mcguirk & Haynes Oil Co.	4369 Louisville Road P.O. Box 2010
4	DI	Mcguirk Oil Co Storage Plt	4369 Louisville Rd
4	FM	Southern Kentucky Maintenance dba Southern Environmental SE	4369 Louisville Rd
4	I	Southern Kentucky Maintenance dba Southern Environmental SE	4369 Louisville Rd
4	U	Southern Kentucky Maintenance dba Southern Environmental Ser	4369 Louisville Rd
5	U	Wheeler Market	Plum Springs Rd
6	U	Warren Rural Electric Cooperative Corporation - Buck Jenkins	313 Commerce Ave
7	AW,L	Harrison Rd Transfer 3	471 Harrison Rd
8	E		640 Plum Springs Loop
8	D		640 Plum Springs Loop
8	I	Bowling Green Cooperative	640 Plum Springs Loop
8	DI	Southern States Coop Bowling Gr	640 Plum Springs Loop
9	DS		1200 Corvette Dr
10	D		543 Plum Springs Loop
10	D		543B Plum Springs Loop
10	M		
10	M		
11	M		
11	I	Nylon Craft Of Kentucky	100 North Graham Avenue
11	FM	Nylon Craft Of Kentucky	100 North Graham Avenue
11	FM	Trace Die Cast Inc	140 North Graham Ave
12	U	Roadway Express Inc	453B Plum Springs Loop
12	FM,I	Woodwork Of Midamerica	445 Plum Springs Loop
12	BQ,DI	Woodwork Of Mid-America	445 Plum Springs Rd

13	M		
14	DR		3411 Louisville Rd
14	DS		3411 Louisville Rd
14	E		3380 Louisville Rd.
14	M		
14	I	Jr Food Store 837	3380 Louisville Rd
14	U	Jr Food Store 837	3380 Louisville Rd
14	DY,U	Minit Mart # 65 (Clark # 2261)	3411 Louisville Road
14	I	Minit Mart #65	3411 Louisville Rd
14	FM,I	Minit Mart 65	3411 Louisville Rd
15	AT	TSC Farm Home & Auto Store	3570 Louisville Rd
16	FM	Weyerhaeuser Company	120 Willamette Way
17	DS		2900 Louisville Rd
17	DS		2937 Louisville Rd
17	M		
17	I	57710 - Swifty Station 250	2937 Louisville Rd
17	U	Fast Max #167	2937 Louisville Rd
18	DS		35 New Porter Pike Rd
18	DI	Northgate Self-Storage	Parker Ave
19	DS		131 Parker Ave
19	I	Kenworth Of Bowling Green	131 Parker Ave
20	DS		3006 Louisville Rd
21	DI	Bowling Green Inter Trucks Inc	191 Parker Ave
22	M		
23	DS		233 Parker Ave
23	I	Brooks Auto Service	233 Parker Ave
24	DI	Additional Parking	675 Hennessy Way
24	I	Fruit Of The Loom	675 Hennessy Way
25	E,		Cellobag Co. Inc. 123 Willamette Lane
25	BQ,M	AEP Industries, Inc.	123 Willamette Ln
25	I,ZM,Q	AEP Industries, Inc.	123 Willamette Ln
25	BQ,U	Android Industries	120 Willamette Ln
25	FM	Sun Chemical Corp Inplant At Cello Bag	123 Willamette Ln
25	I	Willamette Industries	120 Willamette Way
26	I	McDonalds Restaurant	603 Hennessy Way
27	DR		140 Old Porter Pike
28	H,U	General Motors LLC	None
28	B,ZM,I,T,Q,AA	General Motors Llc Bowling Green Assembly Plant	600 Corvette Drive
29	BQ,DI	Hennessy Industries - BADA Division	759 Hennessey Way

29	S	Hennessy Industries - BADA Division	759 Hennessy Way
29	I,FL,ZM	Hennessy Industries - BADA Division	759 Hennessy Way
30	M		
30	I	Arts Auto Mart	513 Duntov Way
30	BH	Browning Shell #15	553 Duntov Way
30	I	IGA Express Shell #875	553 Duntov Way
30	U	IGA Express Shell #875	553 Duntov Way
31	U	IGA Express Bp #871	616 Interstate Dr

In addition to the 31 listed and mapped sites the EDR DataMap Area Study also identified 50 unmapped orphan sites that may be potentially located within the study area but due to poor or inadequate address information the exact locations for these sites are unknown and could not be accurately mapped. Table 3 summarizes the orphan sites identified in the EDR DataMap Area Study. Based upon preliminary review of the site addresses provided the sites shown in ***bold italics*** may possibly be in close proximity or within the study area. It is recommended that additional investigation of the orphan sites be provided to accurately locate these sites and determine if they present any environmental concerns within the study area.

EDR DataMap Area Study - Orphan Sites		
Table 3		
Site Name	Site Address	Database(s)
Chevron USA Products Co #48712	I-65 & Spur Road	RCRA NonGen / NLR
Chevron 0048712	I-65 & Spur Rd	KY UST
KYDOH Fe02 0114 0101 B00009 000.00	KY 101 Over Barren River	RCRA NonGen / NLR
Abandoned Drum	Highway 1320	RCRA NonGen / NLR
KY 185 Drums	KY 185	FINDS
KY 185 Drums	KY 185	KY RGA HWS
KY 240 Dump	KY 240	FINDS
<i>KY Transpark</i>	<i>US 31 W</i>	<i>KY NPDES</i>
Dollar General Store #496	1554 US 31 W Byp	RCRA-CESQG, FINDS
<i>Warren County Drum</i>	<i>US 31 West</i>	<i>RCRA NonGen / NLR</i>
Western Kentucky University Farm	US 31-W South At William H Natcher	RCRA-CESQG
<i>KYDOH Fe02 0114 3225 B00007 000.05</i>	<i>KY 3225 Over Barren River</i>	<i>RCRA NonGen / NLR</i>
Sunnyside Gott No 1	KY 807	KY SWF/LF
KY 880 Pcn: 051051	KY 880	KY NPDES
MEDUSA Aggregates Company	Barren River Rd	KY UST
<i>RAD Chemicals Warehouse</i>	<i>Beech Street</i>	<i>CERC-NFRAP</i>
<i>Southern Leisure Inc Residential Landfill</i>	<i>Beech Bend Rd</i>	<i>KY SWF/LF</i>
Western KY University	1 Big Red Way	KY RGA HWS
White Stone Of Warren Inc	Blue Level Rd	KY SWF/LF

Bristow Landfill	Bristow Rd At CSX Railroad Intersection	KY HIST LF
Bristow Landfill	Bristow Rd	KY SWF/LF
Western KY University	1906 College Heights Blvd	KY RGA LF
Western KY University (WKU)	1906 College Heights Blvd	KY SWF/LF
Western KY University	1906 College Heights Blvd	KY RGA HWS
CSX Transportation, Inc.	CSX River Bridge At Mp 112.8	RCRA NonGen / NLR
KY National Guard Armory	HHC 2/123R Ar 920 Morgantown Rd	FINDS
KY National Guard Armory	HHC 2/123R Ar 920 Morgantown Rd	KY SWF/LF
KY National Guard Armory	HHE 2/123R Ar 920 Morgantown Rd	KY RGA LF
CVS Pharmacy #6422	704 US Hwy 31 W By Pass	RCRA-CESQG
Dollar General Tore #3125	1347 KY Hwy 185	RCRA-CESQG, FINDS
DESA US LLC	2701 Industry Dr	KY RGA HWS
DESA US LLC	2701 Industry Dr	FINDS
US 31W At University Blvd Roundabout	Intersection Of US 31W And University Blvd	FINDS
Agriculture Expo Center	Jct Of Us 32-W S & William Natcher Pkwy	KY UST
Pettys Contracting	Lot 15 New Porter Pike	KY SWF/LF
US 31W - Warren Co	Nashville Rd	FINDS
Western KY University	None	KY RGA HWS
Wallace Ford Motors	None	KY SHWS
Western KY University	One Big Red Way	KY RGA HWS
Dollar General Store #9811	180 River Place Ave	RCRA-CESQG, FINDS
Gateway Apartments Western KY University	1330 KY St	FINDS
Western KY University Ogden College	State & Center St.	FINDS
Western KY University Ogden College	State & Center St.	RCRA NonGen / NLR
Wku Sci. & Technology Hall	State Ave @ 15th St	KY SB193
Contractors Waste Services Facility No 3	Willis Rd	KY SWF/LF
KY 622 Drums	KY 622	FINDS
Kenway Contracting CD&D	Lot 40 N Graham	KY SWF/LF
Habitat For Humanity International	Various Sites	KY SWF/LF
American Limestone Co., Inc.	Bowling Green South Quarry	US MINES
Rinker Materials South Central, Inc.	Bowling Green North Quarry	US MINES

3.0 Coal Exploration Boreholes, Oil/Gas Wells, Oil/Gas Fields, Sinkholes, Springs and Water Wells

Kentucky Geological Survey (KGS) map-related data was accessed online and the following information was noted:

- KY Coal Exploration Boreholes and Thickness from the KGS borehole database. Coal exploration boreholes were not identified within the study area.

- KY Oil/Gas Well Records stored in the KGS Data Repository. At least one oil/gas well was identified within the study area with several other wells located in close proximity to the study area.
- KY Oil/Gas Fields identified by Kentucky Geological Survey Geologist. Oil/gas fields were not identified within the study area.
- KY Sinkholes from USGS 7 minute topographic contours. Sinkholes were identified throughout the study area.
- KY Springs from the Kentucky Groundwater Data Repository. Springs were not identified within the study area.
- KY Water Wells from the Kentucky Groundwater Data Repository. At least two water wells were identified within the study area with several wells located in close proximity to the study area.

4.0 Water and Wastewater

Based upon review of the Kentucky Infrastructure Authority's Water Resource Information System (WRIS) for Kentucky Water and Wastewater Mapping there are numerous water distribution lines and wastewater collection lines owned by the Warren County Water District that run throughout the study area.



5.0 Site Reconnaissance

Site reconnaissance to identify underground storage tank and hazardous materials concerns within the study area was not included in the overview scope of work.

6.0 Interview of Local Representatives

Interviews of local fire and health department representatives to determine environmental concerns within the study area were not included in the overview scope of work.

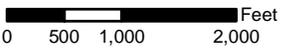
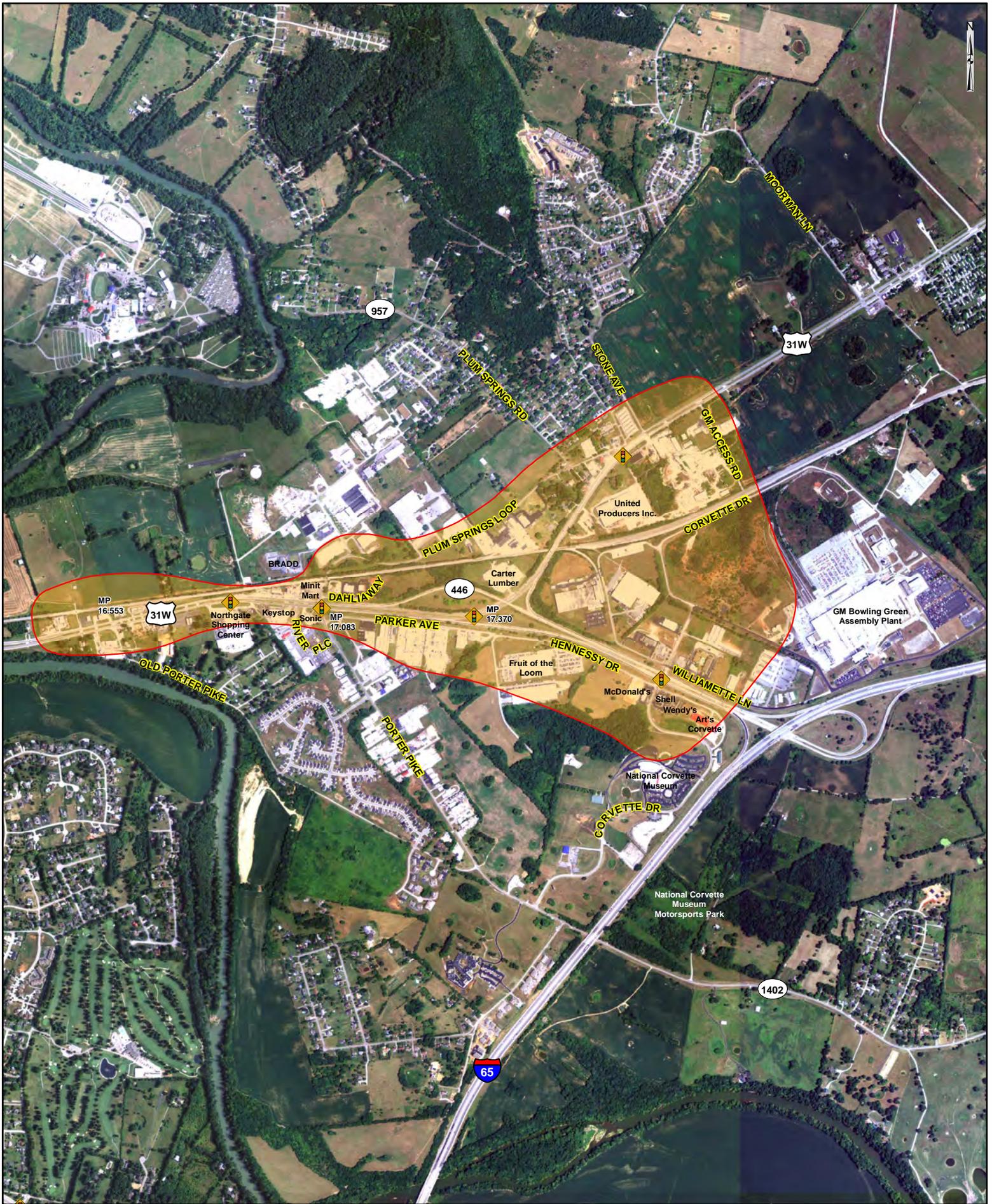
7.0 Conclusions and Recommendations

This overview is based upon information provided in the EDR DataMap Area Study and did not include site reconnaissance and interviews of local representatives therefore the locations of listed sites identified in the EDR DataMap Study have not been field verified. It is possible that facilities not identified in the EDR DataMap Area Study are present within the study area that could provide environmental concerns therefore it is recommended that further investigation be provided and field verification of both the mapped sites and unmapped orphan sites identified be provided to accurately located sites of concern as alternatives are developed.

This overview should not be construed as verifying the present property owner or operator's compliance with Federal, State, and local regulations. No detailed site inspections, interviews, sampling or testing or in depth document research has been provided which is beyond the scope of this overview.

In the development of transportation projects it is recommended to consider to the maximum practicable extent potential impacts of hazardous materials and underground storage tanks, to exercise due care with respect to hazardous substances, to take reasonable precautions by appropriate inquiry prior to the acquisition of potentially contaminated rights-of-way, and to avoid whenever possible all potential aspects of hazardous materials and contaminated sites.

**Appendix A
Study Area Map**



Study Area
US 31W (Louisville Road) Scoping Study
 Old Porter Pike (MP 16.558) to KY 957 (Plum Springs Loop Road) (MP 18.084)
 Warren County, KY



Groundbreaking by Design.