



# Report Version 6

## Hazardous Materials Initial Site Assessment (ISA)

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Report Date: August 22, 2023

District: Lufkin

Project Name and CSJ(s): US 59/US 259 North Interchange - 2560-01-085, 0175-07-059, 0175-07-060, 0138-06-046

*The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 9, 2019, and executed by FHWA and TxDOT.*

# Hazardous Materials Initial Site Assessment (ISA) Report

This ISA complies with the Federal Highway Administration's (FHWA's) policy dealing with hazardous materials discussed in FHWA's *Supplemental Hazardous Waste Guidance* (January 16, 1997) located at <http://www.environment.fhwa.dot.gov/guidebook/vol1/doc7b.pdf>.

FHWA's policy emphasizes three objectives: 1) identify and assess potentially contaminated sites early in project development, 2) coordinate early with federal/ state/ local agencies to assess the contamination and the cleanup needed; and 3) determine and implement measures early to avoid or minimize involvement with substantially contaminated properties.

In addition, completing the ISA will aid in identifying hazardous material issues early, avoiding construction delays, and reducing the department's liability associated with the purchase of contaminated right of way.

Maintain a copy of the completed ISA report with all applicable attachments in the project file.

For additional information, refer to TxDOT's online manual: *Hazardous Materials in Project Development*: <http://onlinemanuals.txdot.gov/txdotmanuals/haz/index.htm> and the Hazardous Materials Toolkit Site: <http://www.txdot.gov/inside-txdot/division/environmental/compliance-toolkits/haz-mat.html>

## Abbreviations and Acronyms

CALF	Closed and Abandoned Landfill
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
EA	Environmental Assessment
EIS	Environmental Impact Statement
ECOS	Environmental Compliance Oversight System
ERNS	Emergency Response Notification System
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
HAZMAT	Hazardous Materials
MS4	Municipal Separate Storm Sewer System
MSWLF	Municipal Solid Waste Landfill
NPL	National Priorities List
RCRA	Resource Conservation and Recovery Act
ROW	Right of Way
SEMS	Superfund Enterprise Management System
TCEQ	Texas Commission on Environmental Quality
TRRC	Texas Railroad Commission
US	United States
USGS	United States Geological Survey
VCP	Voluntary Cleanup Program

# TxDOT Hazardous Materials Initial Site Assessment (ISA) Report

## Project Information

CSJ No:2560-01-085, 0175-07-059, 0175-07-060, 0138-06-046	City:Redfield	Zip Code:75964, 75965	County:Nacogdoches
HWY:US 59/US 259	Limits:2.4 miles south of the US 59/US 259 North Interchange to 1.3 miles north of the US 59/US 259 North Interchange		

### Section 1: Identify Previously Completed Environmental Site Assessments, Known Hazmat Conditions, Preliminary Project Design, and Right-of-Way Requirements

**Note: Obtain information/comments from design, right-of-way, and/or environmental staff. Attach maps and/or details as appropriate.**

<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Are there any previous environmental assessments, testing, or studies performed within the proposed project area related to contamination issues (to include Phase I ESAs)? If yes, explain here if there are any concerns to the proposed project:
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Have the project schematics and/or plan-profile sheets (if available) been reviewed?* Look for substantial excavations (including utilities and storm sewer designs), new ROW and easements, and bridge demolitions or renovations.

\* For consultants: this information shall be supplied by TxDOT.

### Section 2: Demolition and Renovation Information Related to Asbestos and Lead-Containing-Paint

Yes  No Are there proposed bridges or building demolitions or renovations for this project?

**Note:** If "Yes" is selected, buildings or structures being acquired through the acquisition process are assessed and mitigated for asbestos, as needed, within the ROW process according to the TxDOT ROW Manual ROW Vol. 6 Miscellaneous -Chapter 1 Section 5. Bridge structures being demolished or renovated are assessed and mitigated for asbestos and lead-containing-paint, as needed, within the construction process according to Standard Specification Item 6.10 (and applicable Provisions), and the TxDOT guidance document: Guidance for Handling Asbestos in Construction Projects, dated January 26, 2007.

### Section 3: Project Screening

**Note:** Section 3.1 is only applicable for Categorically Excluded (CE) projects. If you are uncertain of the project type, select "No" and continue to Section 3.2.

**Section 3.1** Determine if the proposed project has a low potential to encounter contamination. Refer to the preliminary schematics for project limits and internet-based maps for surrounding land use.

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or an EA or EIS Project	Are the limits of the proposed project within a historically undeveloped area and outside the boundaries of a designated MS4 permitted area? Historically undeveloped areas are locations where no commercial buildings are located within one-half (0.5) miles of the proposed project limits and the surrounding land use is historically agricultural, forest, or ranch lands.
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If "Yes" is selected, the ISA is complete. The proposed project has a low potential to encounter contamination. Complete Sections 9 and 10 of this ISA and maintain a copy and all applicable attachments in the project file.

If "No" is selected, proceed to Section 3.2 of this ISA.

#### Section 3.2

**Note:** Determine if the project includes any of the activities listed below:

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Project Excavations:</b> Will the work consist of substantial excavation operations. Substantial excavation includes, but is not necessarily limited to: <ul style="list-style-type: none"> <li>• Underpass construction,</li> <li>• Storm sewer installations, and</li> <li>• Trenching or tunneling that would require temporary or permanent shoring.</li> </ul>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Dewatering of Groundwater:</b> Are there proposed de-watering operations. If yes, what is the estimated depth to groundwater?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Encroachments:</b> Are there known or potential encroachments into the project area? Encroachments include soil and groundwater contamination, dump sites, tanks, and other issues in the ROW.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>ROW and Easements:</b> Are there any acquisitions of new ROW, easements, temporary construction easements planned for the project?

**3.3 Complete the appropriate box below:**

- If Section 3.2 contains any “Yes” answers, please proceed to Section 4.
- If Section 3.2 contains all “No” answers, proceed to Section 6, Site Survey. Please perform a site survey documenting the results in Section 6 and then mark the appropriate box below. If a Phase I ESA has been prepared for this project, you may use the applicable site survey information from the Phase I ESA.
- The site survey did not identify evidence of any environmental concerns listed in Section 6. The ISA is complete. Complete Sections 9 and 10 and maintain a copy of the ISA and all applicable attachments in the project file.
- The site survey identified evidence of environmental concerns listed in Section 6. Continue with Section 4.

**Section 4: Current and Past Land Use Information**

**Note:** Review and assess current and past land use (up to 50 years) in the project area. Document and attach sources that were reviewed. If one or more Phase I ESAs were prepared for this project, please use applicable information from the Phase I ESAs to help complete this section of the ISA.

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Available	<b>4.1 Review Current and Past USGS 7.5 Minute Topographic Maps of the project area:</b> Look for oil & gas pipelines, tanks, landfills, or other industrial features. Describe any concerns: N/A		
List Topo Maps Reviewed:		Dates:	Comments:

<input type="checkbox"/> Not Applicable	U.S. Geogical Survey	1952 (15-minute) 1983 2016 2019	<p>On the 1952 topo, the roadway in the project corridor did not extend southwest from the intersection of current US 59 and US 259 intersection. CR 224 had not been constructed. The Southern Pacific railroad intersected the project corridor near CR 809 to the west of US 59. A transmission line corridor intersected the project corridor twice. Once near CR 809 and then north of Redfield. Several tributaries crossed the project corridor with topography generally sloping toward the south. Development generally consisted of small residential type structures.</p> <p>The 1983 topo map showed the area roadways in the current configuration. The railroad intersected the corridor between CR 809 and CR 343. A transmission line intersected the corridor near CR 809, along CR 343, and north of Redfield along US 259.</p> <p>The 2016 and 2019 topographic maps showed little detail and no concerns were noted.</p>			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Available <input type="checkbox"/> Not Applicable	<p><b>4.2 Review Current and Past Aerial Photographs of the project area:</b> Look for oil &amp; gas pipelines, tanks, landfills, or other industrial features.</p> <p>Describe any concerns:N/A</p> <table border="1" data-bbox="347 1045 1510 1083"> <tr> <td data-bbox="347 1045 834 1083">List All Aerial Photos Reviewed:</td> <td data-bbox="834 1045 1036 1083">Photo Dates:</td> <td data-bbox="1036 1045 1510 1083">Comments:</td> </tr> </table>			List All Aerial Photos Reviewed:	Photo Dates:	Comments:
List All Aerial Photos Reviewed:	Photo Dates:	Comments:				

<p>U.S. Geological Survey  Agricultural Stabilization and Conserv.  Service  TXDOT  U.S. Department of Agriculture  MAXAR Technologies</p>	<p>1947, 1957,  1960, 1969,  1976, 1982,  1989, 1996,  2004, 2005,  2008, 2010,  2012, 2014,  2016, 2018,  2020, 2022</p>	<p>In 1947, US 59 only extended toward the northeast. US 59 southwest of the intersection of US 59 and US 259 had not been constructed. A railroad was present to the west of the project area and intersected the corridor. A large building and cleared area was present at the southeast intersection US 59 and US 259. Country Road (CR) 809 and CR 343 intersected US 259. Some rural development was present in the project vicinity (primarily along US 259) and much of the surrounding area had been cleared of trees for range and agriculture.</p> <p>In 1957, the roadways were in similar configuration to 1947 and there was imore rural residential development along US 259. The building and cleared area at the intersection of US 59 and US 259 was not visible.</p> <p>No significant changes were noted on the 1960 aerial photo.</p> <p>US 59 southwest of the intersection with US 259 was being constructed in 1969 along with a cloverleaf at the intersection of those roadways. This work had been completed by 1976.</p> <p>By 1982 there was more concentrated development in the vicinity, especially along US 259 south of the intersection with US 59. It appeared that US 59 through the project area had been expanded. Two large warehouse buildings were located east of the project area along CR 343. CR 242 had been constructed to the east of US 59 and an area had been cleared for possibly development.</p> <p>CR 242 extended t the west of US 59 in 1989. Increased development was noted along US 59. Most of the development in the area was concentrated east of the project corridor near the intersection of CR 242 and US 259.</p> <p>Between 1996 and 2022 increased development occurred in the project vicinity and along US 59 and US 259. There was increased encroachment by woody vegetation on areas which had been previously cleared. No major changes were noted</p>
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<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Available <input type="checkbox"/> Not Applicable	<b>4.3 Review Current and Past Right-of-Way Maps/Files*:</b> Look for oil & gas pipelines, tanks, landfills, or other industrial features. Describe any concerns: N/A
	List Maps/ Files & Dates Reviewed: _____ Comments: _____
	Design schematic with existing and proposed ROW. Dated 2023. No concerns noted.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Available <input type="checkbox"/> Not Applicable	<b>4.4 Review Sanborn Fire Insurance Maps/Files:</b> Look for tanks, oil & gas pipelines, landfills, or other industrial features. Describe any concerns: _____
	List Maps/ Files & Dates Reviewed: _____ Comments: _____
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Available <input type="checkbox"/> Not Applicable	<b>4.5 Review TxDOT As-Built Plans*:</b> Were any concerns identified during previous work within the project limits? If yes, explain: If known, what is the previous Project CSJ:
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Available <input type="checkbox"/> Not Applicable	<b>4.6 Review TxDOT Geotechnical Soil Boring Logs*:</b> Were any concerns noted on the boring logs such as unusual odors, visible contamination, trash, waste or debris? If yes, explain:
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Available	<b>4.7 Review TxDOT Temporary Use ROW Agreements (permits issued by the district to entities to occupy a portion of the ROW)*:</b> Were any concerns such as monitor wells or treatment systems identified within the ROW? For consultants: this information shall be supplied by TxDOT. If yes, explain:
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Available	<b>4.8 Review Notifications of Contamination to TxDOT* (These are typically letters from TCEQ or third parties explaining the presence of contamination on TxDOT ROW):</b> Were any concerns regarding contamination of ROW from off-site sources? If yes, explain:

\* For consultants: this information shall be supplied by TxDOT. If no information is supplied by TxDOT, then select Not Available.

Section 5: Complete a Regulatory Records Review (Database Search)	
<p><b>Note:</b> Use the comment field in Section 5.1 to provide a synopsis of the total number of sites identified within the search distances of the regulatory record reviewed. No comments are required when no sites were identified or the regulatory record was not reviewed.</p> <p><b>Select the appropriate box below:</b></p> <p><input checked="" type="checkbox"/> A Database search was conducted through a contracted service. Indicate in Section 5.1, and if applicable, Section 5.2, the regulatory records searched. Maintain a complete copy of the database search findings (contractor's report deliverable) in the project file with the ISA.</p> <p><input type="checkbox"/> A Database search was conducted in-house. For in-house database searches, not all databases need to be reviewed, but at a minimum the databases listed in Section 5.1 marked in <b>bold with a star(*)</b> must be reviewed. Include database records that list potential issues in the project file with the ISA. It is not necessary to include records of negative findings.</p>	
Section 5.1 Standard Database Sources of Environmental Information from Government Agency Records	
Findings	Regulatory Record
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified	<b>Federal Active NPL or Not NPL list (CERCLIS or SEMS sites)*</b> <a href="https://cumulis.epa.gov/supercpad/CurSites/srchsites.cfm">https://cumulis.epa.gov/supercpad/CurSites/srchsites.cfm</a> ; and/or <a href="https://www.epa.gov/cleanups/cleanups-my-community">https://www.epa.gov/cleanups/cleanups-my-community</a>

(1 mile minimum search distance from project limits)	
Comments for Sites Identified:	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified	<b>Federal Archived NPL or Not NPL list (CERCLIS or SEMS sites)*</b> <a href="https://cumulis.epa.gov/supercpad/CurSites/srchsites.cfm">https://cumulis.epa.gov/supercpad/CurSites/srchsites.cfm</a> (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified <input type="checkbox"/> Not Reviewed	US EPA Brownfield Properties <a href="https://www.epa.gov/cleanups/cleanups-my-community">https://www.epa.gov/cleanups/cleanups-my-community</a> (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified <input type="checkbox"/> Not Reviewed	Federal RCRA Corrective Action (CORRACTS) list <a href="https://www.epa.gov/cleanups/cleanups-my-community">https://www.epa.gov/cleanups/cleanups-my-community</a> and/or <a href="http://www.epa.gov/enviro/">http://www.epa.gov/enviro/</a> (1 mile minimum search distance from project limits)
Comments for Sites Identified:	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified <input type="checkbox"/> Not Reviewed	Federal RCRA non-CORRACTS Treatment Storage Disposal (TSD) facilities list <a href="http://www.envcap.org/statetools/tsdf/">http://www.envcap.org/statetools/tsdf/</a> and/or <a href="http://www.epa.gov/enviro/">http://www.epa.gov/enviro/</a> (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
<input checked="" type="checkbox"/> Sites Identified <input type="checkbox"/> No Sites Identified <input type="checkbox"/> Not Reviewed	Federal RCRA generators <a href="http://www.epa.gov/enviro/">http://www.epa.gov/enviro/</a> (acquired property and adjoining properties)
Comments for Sites Identified: One federal RCRA generator was identified in the regulatory database. East Texas Electric Cooperative Inc. - Hardin County Peaking Facility (Map ID 26) was listed at 2905 Westward Drive, approximately 247 feet south-southwest from the corridor. This facility was listed as a very small quantity generator (VSQG) of ignitable waste with no violations.	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified <input type="checkbox"/> Not Reviewed	Federal ERNS (or Responses) <a href="https://www.epa.gov/cleanups/cleanups-my-community">https://www.epa.gov/cleanups/cleanups-my-community</a> (acquired property and adjoining properties)
Comments for Sites Identified:	
<input checked="" type="checkbox"/> Sites Identified <input type="checkbox"/> No Sites Identified	<b>TCEQ Industrial Hazardous Waste Corrective Action (IHWCA) sites only*</b> <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> (1 mile minimum search distance from project limits)
Comments for Sites Identified: One IHWCA site was identified. JM Clipper Nacogdoches (Map ID 38) was listed at 403 Industrial Drive approximately 2,400 feet southeast from the project corridor. This site was listed as inactive as of 2002 with a completed workload.	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified	<b>TCEQ Superfund sites*</b> <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> and/or <a href="https://www.tceq.texas.gov/remediation/superfund/sites/index.html">https://www.tceq.texas.gov/remediation/superfund/sites/index.html</a> (1 mile minimum search distance from project limits)
Comments for Sites Identified:	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified	<b>Closed and abandoned municipal solid waste landfill sites*</b> <a href="http://www.tceq.texas.gov/permitting/waste_permits/msw_permits/msw-data">http://www.tceq.texas.gov/permitting/waste_permits/msw_permits/msw-data</a> (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	



<input checked="" type="checkbox"/> Sites Identified <input type="checkbox"/> No Sites Identified	<b>TCEQ leaking petroleum storage tank remediation lists (LPST)*</b> <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> (0.5 mile minimum search distance from project limits)
<p>Comments for Sites Identified: Two LPST sites were listed in the database report. Garrett Service Station (Map ID 4) was located within the project corridor at 8105 North Street. The LPST was discovered in October 1992 and resulted in minor soil contamination that did not require a remedial action plan. Final concurrence was issued and the case was closed in November 1992.</p> <p>The other LPST site was at Carney's Mini Mart (Map ID 39) located at 7008 North Street, approximately 2,605 feet southeast from the project corridor. The LPST was discovered in October 1991 and resulted in minor soil contamination that did not require a RAP. Final concurrence was issued and the case was closed in April 1992.</p>	
<input checked="" type="checkbox"/> Sites Identified <input type="checkbox"/> No Sites Identified	<b>TCEQ registered petroleum storage tank lists (PST)*</b> <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> (acquired property and adjoining properties)
<p>Comments for Sites Identified: Ten sites were listed in the UST or AST database on the subject or adjoining properties:</p> <p>Garrett Service Station (Map ID 4), 8105 North Street. This facility was listed as inactive with two - 1,000 gallon USTs removed from the ground in September 1992. This facility also had one AST listed as out of use as of 1992.</p> <p>Ryder Truck Rental 1387 (Map ID 5), located at 1303 Industrial Drive was listed as inactive in the UST database with one 10,000 gallon UST removed from the ground in 2014.</p> <p>G&amp;S Lumber (Map ID 9), located at 5527 NW Stallings Drive was listed as inactive in the UST database with two 10,000 gallon USTs removed from the ground in 1993.</p> <p>Honey Stop Food Mart 15 (Map ID 17) was located at 2709 Westward Drive on an adjacent property. This facility was listed as inactive in the UST database with four 8,000 gallon UST removed from the ground in 2007.</p> <p>Texas Department of Public Safety (Map ID 20) was located at 5407 NW Stallings Drive on an adjacent property. This facility was listed as inactive in the UST database with one UST removed from the ground in 1998.</p> <p>Gateway of Nacogdoches (Map ID 21) was located at 2615 NW Stallings Drive on an adjacent property. This facility was listed as an active retail facility with one 30,000 gallon UST storing diesel, a 20,000 gallon UST storing gasoline, and another 20,000 gallon UST storing diesel and gasoline in separate compartments.</p> <p>Morgan Oil Fuel Stop (Map ID 24) was located at 4919 NW Stallings Drive on an adjacent property. This facility was listed as active with five USTs in use. The tanks included two 20,000 gallon USTs storing diesel and three 10,000 USTs storing gasoline.</p> <p>Indian River International (Map ID 25) was located at 7308 NW Stallings Drive. This facility was listed as inactive in the UST database with two 5,000 gallon tanks removed from the ground in 1994.</p> <p>Scott Cagle and Randy Hughes (Map ID 29) was located at 10383 N. US Highway 59. This site was listed as inactive in the UST database with two USTs removed from the ground in 2007 (tank capacity was not listed).</p> <p>City of Nacogdoches - Landfill (Map ID 14) was located at 4424 NW Stallings Drive. This facility reported one 2,000 gallon AST in use. The AST is reported as storing diesel fuel for fleet refueling.</p>	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified	<b>TCEQ voluntary cleanup program (VCP) sites*</b> <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> (0.5 mile minimum search distance from project limits)
<p>Comments for Sites Identified:</p>	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified <input type="checkbox"/> Not Reviewed	<b>TCEQ Innocent Owner/ Operator (IOP) sites</b> <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> (0.5 mile minimum search distance from project limits)
<p>Comments for Sites Identified:</p>	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified	<b>TCEQ Dry Cleaners remediation only Database*</b> <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> (0.5 mile minimum search distance from project limits)
<p>Comments for Sites Identified:</p>	
<input type="checkbox"/> Sites Identified <input checked="" type="checkbox"/> No Sites Identified	<b>Texas Railroad Commission VCP sites*</b> <a href="http://www.rrc.state.tx.us/oil-gas/environmental-cleanup-programs/site-remediation/voluntary-cleanup-program/">http://www.rrc.state.tx.us/oil-gas/environmental-cleanup-programs/site-remediation/voluntary-cleanup-program/</a> (0.5 mile minimum search distance from project limits)

Comments for Sites Identified:

**Section 5.2 List below other pertinent records reviewed such as local records and/or additional state records**

Record Source and Comments: TXRRC, 2023 oil and gas wells and pipelines

Record Source and Comments: Permitted Solid Waste Facilities (EDR, 2023). City of Nacogdoches Landfill (Map ID 12) located at 4602 NW Stallings Drive was listed as an active sanitary landfill and is adjacent to the proposed project corridor.

Remediation Systems of Texas - Nacogdoches Liquid Waste Transfer Station Facility (Map ID 36), located at 7225 North Street. The permit for this facility had been withdrawn and the transfer station was not constructed.

**Section 6: Complete a Project Site Survey**

**Note: Do not** document site survey concerns that were previously identified by the regulatory list search, by the Current and Past Land Use review, or both. In Section 6.1, describe the location and size of the concern. Attach site maps and photographs, as appropriate. If a Phase I ESA has been prepared for this project, you may use the applicable site survey information from the Phase I ESA and updated current site conditions, as needed.

**Possible Site Survey Concerns:** The following items are to be used as a guide to help identify potential hazardous material issues during a site survey.

- underground storage tanks
- aboveground storage tanks
- injection wells, cisterns, sumps, dry wells
- floor drains, walls stained by substances other than water or emitting foul odors
- stockpiling, storage of material
- surface dumping of trash, garbage, refuse, rubbish, debris half exposed/buried, etc.
- stained, discolored, barren, exposed or foreign (fill) soil
- oil sheen or film on surface water, seeps, lagoons, ponds, or drainage basins
- changes in drainage patterns from possible fill areas
- Dead animals (fish, birds, etc.)
- vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground
- electrical and transformer equipment storage or evidence of release
- groundwater monitoring wells and groundwater treatment systems
- vats, 55-gallon drums (labeled/unlabeled), canisters, barrels, bottles, etc.
- evidence of liquid spills
- damaged or discarded automotive or industrial batteries
- dead, damaged, or stressed vegetation
- pits, ponds, or lagoons associated with waste treatment or waste disposal
- security fencing, protected areas, placards, warning signs

**Site Survey Date(s): July 18-20, 2023**

**6.1 Describe Concerns Observed During the Site Survey. Do not** include concerns previously identified during the regulatory list search, the current and past land use review or both. Indicate if the concern is associated with existing ROW, proposed ROW, adjacent property, or easements. Provide address location (or relative location) and any additional information about the evidence identified; include photographs as an attachment to the ISA.

Comments or Concerns Identified: The far northern section of the proposed ROW along US 259 was mostly residential homesteads. A shop of unknown use was located north of CR-807 on the west side of US 259 (Photo 1). An auto body repair shop and trailer dealer was located on the southeast side of Henderson Lane and US 259. A cellphone tower, pole mounted transformer, and old agricultural shed were located within the proposed ROW on the northwest side of the interchange between US 259 and US 59. No damage or leaks were noted on the transformer; it appeared new, but had no markings indicating contents (Photo 2). A propane facility was located adjacent to the proposed ROW on the northwest side of US 59 at the far northern extent of the project area (Photo 3). An abandoned homestead, active agricultural barn, and pole mounted transformer (no cracks, dents or leaks were identified) was located adjacent to the proposed ROW at the northeast corner of the intersection of CR-101 and US 59 (Photos 4-6). No hazardous contents appeared to be present in the house or barn. An oil/gas well was located adjacent to the

proposed ROW on the northwest side of US 59, 1,500 feet northeast of the US259/US59 interchange. An AT&T substation was located within the proposed ROW on the northeast corner of the interchange between US 259 and US 59 (Photo 7); markers indicating underground cables were present in this area. An abandoned homestead and a heat and AC shop (Bobby York AC & Heating) were located within the proposed ROW at the southwest corner of the US 59 and US 259 interchange. A 55-gallon drum with unknown contents was located next to the heat and air shop (Photo 8). A construction company's shop was located adjacent to the proposed ROW west of US 59 business, about 700 feet south of its intersection with US 59 (Photo 9). Across the road (and within the proposed ROW) from the aforementioned site, was a pet grooming center and an abandoned house with unknown contents (Photo 10). Near the intersection of US 59 and Myrl Road there was a Fed-Ex warehouse (northwest) (Photo 11) within proposed ROW, A and W Bearings and Supply Co. warehouse (northeast) (Photo 12) within proposed ROW, and an industrial complex (southeast) (adjacent to proposed ROW). Names on buildings in the industrial complex included an auto machine shop, "Tejas Paper and Chemical", and "Wingate Millwork". Access was not granted to view these sites fully, however it was noted that Tejas Paper and Chemical had about 20 one- to two-liter containers of unknown chemicals outside the building (Photo 13). A veterinary clinic was located on the west side of US 59 within the proposed ROW. The clinic appeared to have a water pump that had a petroleum AST "gas tank" for powering the mechanical pump. The AST appeared to hold less than 500 gallons of substance and was sitting on top of a concrete pad. The AST and pump appeared to be in good condition (Photo 14). A cleared area that could have been a possible abandoned oil well pad site or former building location was located within the proposed ROW west of US 59 and north of CR-809. Three abandoned ASTs were located on site and a small pile of trash including empty unmarked 5-gallon buckets, and large tub (Photos 15 and 16), no signs of release were noted. A building associated with the Stephen F. Austin Science Research Center was located within the proposed ROW, east of US 59 and north of Ernest McLain Road. A shop with old tractors and 5-gallon buckets labeled "motor oil" present was located within the proposed ROW on the west side of US 59 and south of CR-809 (Photo 17). A historical railroad transects the proposed ROW just south of CR-809. The track has mostly been torn up and salvaged, however a few old railway box cars still remain adjacent to the study area (Photo 18). The abandoned railroad corridor again transects the proposed ROW at the eastern extent of proposed modifications to Industrial Blvd. An industrial shop (Photo 19) and a propane facility (Photo 20) were also located on the southern side of Industrial Blvd. in this area. These sites were behind security fencing and no access was provided. An RV park was located within the proposed ROW on the west side of US 59, north of Stallings Drive (Photo 21). This site contained small transformers for electrical hookups, and has the potential to contain a septic tank for sewage hookups. A site adjacent to the proposed ROW, 600 feet north of Westward Dr. on the east side of US 59, just south of the aforementioned location, contained 11 ASTs and numerous tanker trucks. ASTs had unknown contents, however a petroleum odor was present in the area (Photo 22). Soil within the secondary containment system was stained (Photo 23) indicating leaks and/or release from the ASTs. Also noted was some darkening of soils outside of the secondary containment system. A large truck stop was located adjacent to the proposed ROW, just north of Westward Drive and west of US 59. The truck stop had a large AST that appeared to be collecting rainwater from the roof (Photo 24). An industrial and business park was located adjacent to the proposed ROW on the southwest corner of the intersection of North Stallings Drive and US 59. Buildings included retail and commercial businesses including a propane supplier, USDA NRCS offices, a screen printing store, and other unknown metal buildings and shops. The entrance to the landfill was located at the far southern extent of the project area. The landfill itself was located outside of the proposed ROW (Photo 25). A large electrical supply building was located adjacent to the proposed ROW at the northeast corner of US 59 and North Stallings Drive. A new industrial space named "Nac Space Data Center" was located adjacent to the proposed ROW and just east of the aforementioned site.

<b>Section 7: Interviews</b>		
<b>Section 7.1 Were interviews conducted?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Possible interviewees include local residents, TxDOT staff, fire department personnel, city or county department of health/environmental staff, city or county planning staff, TCEQ staff, TRRC staff, and current and former property owners or operators.		
If one or more Phase I ESAs were prepared for this project, please use applicable interview information from the Phase I ESAs to help complete this section of the ISA.		
<b>Section 7.2 Interview Summary:</b> Complete this section if interviews were conducted. Add additional rows as needed. Attach record of communications to the ISA.		
Name:	Title:	Date:

Describe any potential concerns:		
Name:	Title:	Date:
Describe any potential concerns:		
Name:	Title:	Date:
Describe any potential concerns:		

**Section 8: Hazardous Material Concerns**

On the list below, indicate if a concern is resolved or unresolved. "Unresolved" indicates additional investigation or research is required. "Resolved" indicates the concern has been resolved during the preparation of this ISA. If a concern is "Unresolved" or "Resolved", include a statement explaining the planned next steps to resolve the issue. If no concerns were identified, select "No Issue".

For additional information regarding scheduling considerations, internal/external coordination and recommended practices for resolving hazmat issues please refer to TxDOT's *Environmental Tool Kit* web site.

Contact TxDOT ENV Hazardous Material Management (HMM) for additional assistance.

**8.1 Identify Type of Hazardous Material Concerns**

Resolution	Type of Concern
<input type="checkbox"/> Unresolved <input type="checkbox"/> Resolved <input checked="" type="checkbox"/> No Issue	<b>Current or Past Land Use Concerns:</b> These concerns are associated with hazardous material issues identified in Section 4 that <u>were not discovered during the database search in Section 5.1 or during the Site Survey in Section 6.1.</u> Note: <i>For ECOS IIR development, the Available Contaminated Media would be "Other".</i>

Explain Unresolved or Resolved Issues:

<input checked="" type="checkbox"/> Unresolved <input type="checkbox"/> Resolved <input type="checkbox"/> No Issue	<b>Site Visit Concerns:</b> These concerns are associated with hazardous material issues discovered following the completion of Section 6 that <u>were not previously discovered during the database search in Section 5.1 or during the current and past land use review in Section 4.</u> Note: <i>For ECOS IIR development, the Available Contaminated Media would be "Other".</i>
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Explain Unresolved or Resolved Issues: The proposed project would require acquisition and demolition of several structures including potentially A&W Bearings and Supply (currently Purvis Industries), Tejas Paper and Chemical (which had canisters of unknown chemicals stored in front), Bobby York AC & Heating (which had a 55-gallon drum stored behind the facility), and other sites which could contain hazardous materials. Proposed ROW would be taken from an area which appeared to be a former oil well pad or former building, the aeriels show this area as being cleared between 2014 and 2016 with various levels of vegetation growth in intervening years. No buildings had been present on this area, based on aerial photos and RRC records did not indicate the presence of an oil/gas wells. This site did have three discarded ASTs, empty unmarked 5-gallon buckets, and a discrded tub present during the site visit, with no overt signs of a release. A site located 600 feet north of Westward Dr. on the east side of US 59 is located adjacent to the proposed ROW and included multiple ASTs with soil staining present inside and outside of secondary containment. This area also had a petroleum odor.

<input type="checkbox"/> Unresolved <input type="checkbox"/> Resolved <input type="checkbox"/> No Issue <input checked="" type="checkbox"/> N/A	<b>Interview Concerns:</b> These concerns are associated with any hazardous material issues discovered during an interview listed in Section 7, that <u>were not previously discovered during the database search in Section 5.1, during the current and past land use review in Section 4, or during the Site Survey in Section 6.1.</u> Note: <i>For ECOS IIR development, the Available Contaminated Media would be "Other".</i>
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Explain Unresolved or Resolved Issues:

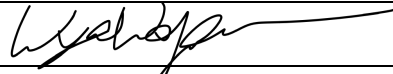
<input type="checkbox"/> <b>Unresolved</b> <input checked="" type="checkbox"/> <b>Resolved</b> <input type="checkbox"/> <b>No Issue</b>	<b>Petroleum Storage Tanks (PSTs) Concerns discovered during the database search:</b> PSTs are underground or aboveground storage tanks used to store fuel or other petroleum substances. Typically, these are found at gasoline and diesel refueling facilities. Select below all that apply.	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ROW acquisition or partial acquisition of a parcel with one or more PSTs.
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other- Describe:
<p>Explain Unresolved or Resolved Issues: Ten sites were listed in the UST or AST database on the subject or adjoining properties:</p> <p>Three sites were within proposed ROW but the USTs had been removed from the ground.</p> <p>On adjacent sites with registered PSTs, Gateway of Nacogdoches (Map ID 21) located at 2615 NW Stallings Drive (three registered USTs), Morgan Oil Fuel Stop (Map ID 24) located at 4919 NW Stallings Drive (five registered USTs), and City of Nacogdoches Landfill (Map ID 14) located at 4424 NW Stallings Drive (one registered AST) were the only active sites where PSTs had not been removed from the ground. The schematics were reviewed and property acquisition from these sites would not be anticipated. .</p>		
<input type="checkbox"/> <b>Unresolved</b> <input checked="" type="checkbox"/> <b>Resolved</b> <input type="checkbox"/> <b>No Issue</b>	<b>Leaking Petroleum Storage Tanks (LPSTs) Concerns discovered during the database search:</b> LPSTs are PSTs that have caused or are suspected to have caused a release of fuel or other petroleum substances to the environment.	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional Research is needed or uncertain of impacts from one or more LPSTs. Request assistance from ENV.
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ROW acquisition or partial acquisition of a parcel with one or more LPSTs.
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	One or more LPSTs are located within 0.25 miles of the project.
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other- Describe:
<p>Explain Unresolved or Resolved Issues: Two LPST sites were listed in the database report.</p> <p>Garrett Service Station (Map ID 4) was located within the project corridor at 8105 North Street. The LPST was discovered in October 1992 and resulted in minor soil contamination that did not require a remedial action plan. Final concurrence was issued and the case was closed in November 1992. Because the project impacts were restricted to the soil only and the case has been closed, this site would not be expected to impact the proposed project.</p> <p>Due to distance from the site, the fact that only minor soil contamination was present, and that the case has been closed, it is not anticipated that the LPST at Carney's Mini Mart (Map ID 39) located at 7008 North Street would impact the proposed project.</p>		
<input type="checkbox"/> <b>Unresolved</b> <input checked="" type="checkbox"/> <b>Resolved</b> <input type="checkbox"/> <b>No Issue</b>	<b>Oil and Gas Activity Concerns:</b> TxDOT is concerned with the acquisition of oil and gas wells (and ancillary equipment) such as process, piping, production equipment, pipelines, etc. Select below all that apply.	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional Research needed or uncertain of impacts. Request assistance from ENV.
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified TRRC VCP Site within 0.5 miles of project.
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oil/ Gas Wells within future ROW.
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Spills or other Contamination Issues associated with ancillary equipment or pipelines.
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other- Describe: A crude oil and natural gas pipeline intersect the project corridor along US 59 east of US 259, and a natural gas pipeline intersects US 259 on the far northern portion of the project area.
<p>Explain Unresolved or Resolved Issues: It is anticipated that impacts associated with the oil and gas pipelines would be addressed during utility coordination. No indications of release were discovered in the database report, RRC records or during the site reconnaissance.</p>		
<input type="checkbox"/> <b>Unresolved</b> <input checked="" type="checkbox"/> <b>Resolved</b>	<b>Non-LPST Source Contamination Concerns discovered during the database search:</b> These are sites or locations that have a potential for soil and groundwater contamination and are not	

<input type="checkbox"/> <b>No Issue</b>	associated with LPST sites. Select below all that apply.	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Additional Research is needed or uncertain of impacts from a Non-LPST site. Request assistance from ENV.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified SEMS Active NPL or Not NPL site(s) within 1 mile of the project. This may be identified on a database search as a CERCLIS or NPL site.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified SEMS Archived NPL or Not NPL site(s) within 0.5 miles of the project. This may be identified on a database search as a CERCLIS NFRAP.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified RCRA Corrective Action(s) site within 1 mile of project.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified RCRA TSD facilities within 0.5 miles of project.	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Database search identified TCEQ IHW Corrective Action sites within 1 mile of project.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified TCEQ Superfund sites within 1 mile of project.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified TCEQ VCP sites within 0.5 miles of project.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Database search identified TCEQ IOP sites within 0.5 miles of project.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other- Describe:	
<p>Explain Unresolved or Resolved Issues:JM Clipper Nacogdoches (Map ID 38), located at 403 Industrial Drive, was listed in the IHWCA database. Due to distance and resolved work status of this site it is not likely to affect the project corridor.</p>		
<input type="checkbox"/> <b>Unresolved</b> <input checked="" type="checkbox"/> <b>Resolved</b> <input type="checkbox"/> <b>No Issue</b>	<p><b>Landfills/Waste Pits/Dump Site Concerns:</b> These concerns are associated with any known or suspected (based on visual observations) landfills, dump sites, or waste pits. These concerns may appear on a database search as CALF or MSWLF site. Additionally, the local Council of Governments (COG) maintains a list of closed and open landfills in your project area. Select below all that apply.</p>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional research is needed or uncertain of impacts. Request assistance from ENV.	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Database search identified active/closed/abandoned CALF or MSWLF landfill sites within .5 miles of the project.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other- Describe:	
<p>Explain Unresolved or Resolved Issues:The City of Nacogdoches Landfill (Map ID 12) is located at 4602 NW Stallings Drive. Based on the project schematic proposed construction would begin north of the landfill. No impacts to landfill property would be expected from the proposed project. The landfill portion of the property is located approximately 800 feet south of the proposed project and topography trends toward the south in this area. Impacts to the project corridor from the landfill would not be anticipated.</p>		
<p><b>8.3 Did the ISA identify any Unresolved Hazardous Material concerns?</b></p> <p><input type="checkbox"/> No, unresolved hazardous materials concerns were identified and/or all potential concerns were resolved within the ISA. No further hazardous materials action is required. The ISA is complete for this project. Any unanticipated hazardous materials impacts encountered during the project construction phase shall be addressed in accordance with regulatory requirements and TxDOT standard specifications. Complete Sections 9 and 10 and maintain a copy of the ISA and all applicable attachments in the project file.</p> <p><input checked="" type="checkbox"/> Yes, the ISA identified one or more unresolved hazardous materials concerns requiring additional investigations or assessments. An Issues, Identification, and Resolution (IIR) form shall be completed in ECOS to track the additional investigations and assessments. Complete Sections 9 and 10 and maintain a copy of the ISA and all applicable attachments in the project file.</p>		

**Section 9: Reference Materials Utilized (Identify any referenced materials and attach them to the ISA or in the project file.**

<b>Referenced Materials Used</b>	<input checked="" type="checkbox"/> Project Map	<input checked="" type="checkbox"/> USGS Topo Maps	<input checked="" type="checkbox"/> Aerial Photographs
	<input type="checkbox"/> ROW Maps/Files	<input type="checkbox"/> Sanborn Fire Insurance Maps	<input type="checkbox"/> Temporary Use Agreements
	<input type="checkbox"/> TxDOT As-Built Plans	<input type="checkbox"/> Notifications	<input checked="" type="checkbox"/> Photographs
	<input checked="" type="checkbox"/> Project Schematics/Profiles	<input checked="" type="checkbox"/> Regulatory Database	<input type="checkbox"/> Record of Interviews
	<input checked="" type="checkbox"/> Other:TXRRC Map		

**Section 10: Contact/Completed by**

<b>Name:</b>		<b>Tel:</b>
<b>Title:</b>	Environmental Scientist	
<b>Firm (District Section):</b>	HDR Engineering, Inc.	
<b>Address:</b>	4401 West Gate Blvd. Ste. 400, Austin, TX 78748	
<b>Signature:</b>		<b>Date: 8/22/2023</b>

## Appendix A

The following table shows the revision history for this guidance document.

<b>Revision History</b>	
<b>Effective Date</b>	<b>Reason for and Description of the Change</b>
December 2019	<p>Version 6</p> <p>Updated NEPA assignment disclaimer language to reflect first renewed NEPA assignment MOU date of December 9, 2019.</p>
April 2017	<p>Version 5</p> <p>The cover page has additional fields related to specific project information. This is added to personalize the ISA to a project.</p> <p>Section 2 was modified to acknowledge that asbestos or lead-in-paint issues might exist on our construction projects, but the identification and resolution to these issues are outside of the ISA process and are handled programmatically by TxDOT (usually in CST or the ROW processes).</p> <p>Section 3 was modified by adding an additional screening option. You are now able to screen out of performing a full ISA if your project meets the parameters described.</p> <p>Section 6 was reformatted to remove the numerous selections related to the Possible Site Survey Concerns. Additionally, redundant questions were removed to make the section easier to use. Under the new format, the preparer is required to insert the survey dates and a description of what was identified during the survey.</p> <p>Minor changes were made to terminology throughout the ISA, this was performed to clarify and streamline the process.</p> <p>Section 8.1 has been modified to provide resolution to potential hazardous materials issues that can be resolved easily during the ISA process. Additionally, a comment field was added to provide direction related to issues requiring further action to resolve. This will streamline the process in reducing the amount of IIR entries requires in ECOS and will reduce the time required to review a project.</p>
June 2016	<p>Version 4</p> <p>Modifications to Section 5: Web links and database names were modified based on changes made by regulatory agency websites.</p>
October 2014	<p>Version 3</p> <p>Modifications to Section 2: Clarified this section to better define what are asbestos and lead-in-paint concerns. Changes were made due to numerous comments from the end-user.</p> <p>An additional note was added to this section. This note directs end-users to ENV-HMM for further assistance related to lead-in-paint issues.</p> <p>Modifications to Section 3: The question concerning Project Excavations in Section 3.1 was modified to match the definition used in Scoping Procedure for Categorically Excluded TxDOT Projects for Hazardous Materials found in the NEPA and Project Development Toolkit.</p> <p>Modifications to Section 5: Web links were modified based on changes made by regulatory agency websites.</p>



	Modifications to 8.2: Clarified the “Yes” answer in 8.2 to remove the need for additional assessments for all identified hazardous materials concerns. The question was modified due to comments by the end-user.
August 2014	Version 2 Removed introductory note describing ISA threshold criteria. Note was removed because the ISA threshold criteria are located in other TxDOT guidance.
April 2014	Version 1 Released