

Colorado Department of Transportation Initial Site Assessment (ISA)	Region: 2	Project No.: FBR R200-266 and FBR R200-267
	Route ID: SH 9, SH 239, US 24, US 350	Project Code (SA#): 23558, 23559

Project Description

Project Name: Region 2 Bridge Bundle		
Milepost Begin: See site map	Milepost End: See site map	County: Park, Fremont, Teller, El Paso, Otero, Las Animas
Location: Various throughout Region 2, see site map		
Main Project Elements: Replacement of existing structure with a new structure at each location		
Project Features (Check if applies):		
<input type="checkbox"/> Structure Acquisition	<input type="checkbox"/> Structure Modification	<input checked="" type="checkbox"/> Structure Demolition
<input type="checkbox"/> New ROW	<input type="checkbox"/> Easements	<input checked="" type="checkbox"/> Utility Relocation
<input checked="" type="checkbox"/> Excavation/Drilling	Disturbance depth (if known): assumed up to 20 feet for abutments, piers ft	
Gw Anticipated: Yes	Depth to gw (if known): assumed < 5ft	Gw flow direction (if known): Groundwater depths vary but assumed to be < 5 feet as these structures generally cross streams. GW Flow direction also varies but is presumably toward the structures as they are generally located at topographic low points
<input checked="" type="checkbox"/> Dewatering		

Records Review & Interview(s)

The following records/sources were used in this assessment ('No' is implied if unchecked):

ASTM Standard Environmental Record Sources OPS CDPHE CDOT Internal Database Date: **03/29/2021**

A GeoSearch database inquiry of records for facilities that handle hazardous materials and/or petroleum products and recorded incidents of spilled or released hazardous materials within 1-mile radius for each structure location was obtained and reviewed (ASTM Standard). In some cases along US 24 and US 350 structure locations were combined in a single GeoSearch report. Surrounding listings within 1/8 mile were assessed individually for condition or severity of incident, and potential to impact the proposed construction project from the GeoSearch database reports and additional on line record links, if available. Each structure and adjacent property (if publicly accessible) were reviewed in the field. CDOT review notes are included on the cover of each GeoSearch report in RED type and also summarized in the ISA Excel table.

ASTM Standard Search Radii or Modified Search Radii:
 Previous Environmental Reports/CDOT Files:
 Other Files/Databases (Assessor, Fire dept., Building, Planning, etc.):

Topographic Map(s) Current – date: **Maps are located in the GeoSearch reports** Historic – year(s): **Not reviewed**
Aerial Photograph(s) Current – date: **Curent Google earth aerial images are available in the GeoSearch reports by clicking on the GeoLens tab on the report cover** Historic – year(s): **Not reviewed**

Sanborn Map(s) – year(s):
 Local Street Directories – year(s)

Historic Land use(s) within the project area (if known): **The bridges/structures are generally over streams or arroyos in rural to semi rural locations with agricultural, open range, or forest land surroundings**

Interviews (Names/Title/Date/Comments):

Site Reconnaissance & Description

<input checked="" type="checkbox"/> Visual inspection conducted	Inspection Date: Site visits were performed on 12/7/20, 1/14/21, 4/2/21, and 4/7/21
If 'No' document the reason:	
Project area and land use(s) description: The project sites are mostly bridges but a few are simpler culvert crossings over streams and/or dry arroyos. CDOT personnel conducted site drive by/walks of the project sites on the dates listed above. Photographs for each site are in separate individual site folders and also in the ACM LBP test reports. All the sites were individually investigated based on the records listed in the database findings.	
<input type="checkbox"/> Industrial <input type="checkbox"/> Light Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential <input checked="" type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Undeveloped <input type="checkbox"/> Other:	

Adjacent land use(s) description:

Industrial Light Industrial Commercial Residential Agricultural Undeveloped Other: **the sites are generally in rural to semi rural locations.**

Potential Environmental Concerns on the immediate project area or directly adjacent to it

	Project Area	Adjacent Area		Project Area	Adjacent Area
Evidence of underground tanks (pipes, vents, fill caps, etc.)	No	No	Protected/fenced/placarded area(s)	No	No
Aboveground storage tank(s)	No	No	Liquid waste (pits, ponds, etc.)	No	No
Monitoring/water well(s)	No	No	Oil sheen (soil/water)	No	No
Electrical/transformer Equipment	No	Yes	Oil/gas well(s)	No	no
Cistern(s), sump(s) drain(s)	No	No	Mine tailings/waste	No	Yes
Barrel(s), drum(s), container(s)	No	No	Painted/preserved material(s)	Yes	No
Stockpile, surface trash, debris	No	No	Odor	No	No
Exposed/buried landfill	No	No	Chemical storage	No	No
Batteries	No	No	Suspect asbestos containing material	No	No
Surface staining	No	No	Suspected methamphetamine lab	No	No
Stressed vegetation	No	No	Lead Paint	Yes	No

Findings/Conclusions:

Are known hazardous or other waste sites on or adjacent to the project area, which may affect the project (explain below)

Findings: No facilities with ongoing hazardous materials or waste issues, such as active investigation or remediation, were reported on the project footprints or at adjacent facilities in the GeoSearch reports. No active remediation or other evidence of clean-up was observed during the site visits. No odors or spills of chemical products or wastes were observed in any portion of the project areas. No soil stains, distressed vegetation, or other obvious evidence of hazardous material spills were apparent at any of the project sites. No monitoring wells, remediation systems, or other evidence of clean-ups were observed within the project footprints or on adjacent land at any of the project locations.

Asbestos was not found on any of the structures. Lead paint was found on some of the structures and is discussed individually for each site in the ACM LBP test reports and also is summarized in the ISA Excel table. Electrical lines or other utilities may be located on or very near the structures in some cases and will need to be managed appropriately. Mine sites and possible mine tailings are present near structure G-12-C on SH 9 that may impact soil and ground water quality if soil removal or dewatering is necessary at this location.

Conclusions: Lead paint on some of the structures was the only significant hazardous material issue encountered.

Recommendations:

<input checked="" type="checkbox"/> Materials Management Plan	<input type="checkbox"/> Force Account	<input type="checkbox"/> Modified CDOT Specification(s)	<input type="checkbox"/> Additional Assessment/Investigation*
<p>A materials management plan must be completed to outline the specific procedures that will be utilized to manage lead paint and dewatering. Lead paint removal and waste disposal must be performed in accordance with OHSA Standard 29 CFR 1926.62 and Section 250.04 of the CDOT Standard Specifications. Metal components can be recycled at a certified LBP recycler with appropriate notification. Should it be anticipated that ground water will be encountered during construction, it is strongly recommended that an alternative bridge construction method that does not generate ground water be investigated. Should dewatering be necessary, ground water sampling and analysis should be performed as part of the decision whether to dewater or consider alternate means to work below the water table. If dewatering is found to be unavoidable, a dewatering permit must be obtained from CDPHE. In all cases, a structure demo permit will need to be submitted to CDPHE for each site. CDOT Standard Specification 250 includes precautions and guidance for lead paint, asbestos, and contaminated soils or ground water should they be encountered during construction of this project.</p>			

*Additional work must be approved by CDOT.

Attachments:

<input checked="" type="checkbox"/> Environmental Database Map	GeoSearch.
<input checked="" type="checkbox"/> Modified CDOT Specification(s)	Materials Management Plan for lead paint and dewatering
<input type="checkbox"/> General Plan Note(s)	

<input checked="" type="checkbox"/> Maps & Figures	Individual folders contain ACM LBP test reports and site photos
<input type="checkbox"/> Agency File Data	

Completed by (Name and Title): **Craig Clark, Environmental Project Manager**

Signature:  Date: **May 2, 2021** Revised (if necessary):

CDOT Environmental Project Manager Approval: _____ Date: