

DRAFT LEVEL 1 CONTAMINATION EVALUATION SCREENING REPORT

Florida Department of Transportation

District 1

SR 789 (Ringling) Bridge

Limits of Project: from Bird Key Drive to Sarasota Harbour West

Sarasota County, Florida

Financial Management Number: 436680-1-22-01 & 436680-1-32-01

ETDM Number: 14384

Date: May 2023

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022 and executed by the Federal Highway Administration and FDOT.

TABLE OF CONTENTS

EXECUTIVE SUMMARY	E-1
1.0 PROJECT SUMMARY.....	1-1
1.1 Project Description	1-1
1.2 Purpose & Need	1-3
1.2.1 BRIDGE DEFICIENCIES:	1-3
1.2.2 MODAL INTERRELATIONSHIPS:	1-4
1.2.3 SAFETY:	1-4
1.3 Purpose of CSER	1-4
2.0 LAND USES	2-1
3.0 HYDROGEOLOGIC SETTING	3-1
3.1 Geography	3-1
3.2 Geologic Overview	3-1
3.3 Hydrogeologic Overview	3-1
3.4 Soil Survey	3-1
4.0 LEVEL I CSER METHODOLOGY	4-1
4.1 Overview.....	4-1
4.2 Regulatory Agency Database Review	4-1
4.3 Supplemental Regulatory Database Review	4-2
4.4 FDEP Contamination Locator Map (CLM).....	4-3
4.5 FDOT Efficient Transportation Decision Making (ETDM)	4-4
4.6 Interviews	4-4
4.7 Historical Aerial Photographs	4-5
4.8 Sanborn Fire Insurance Maps	4-6
4.9 FDOT Bridge Structure Survey / Sampling.....	4-6
4.10 Site Reconnaissance.....	4-7
5.0 SITE IMPACT EVALUATIONS.....	5-1
6.0 CONCLUSIONS.....	6-1
Project Impacts Summary	6-1
7.0 RECOMMENDATIONS.....	7-1

LIST OF FIGURES

Figure 1-1 Project Location Map.....	1-2
Figure 3-1 Topographic Map.....	3-2
Figure 3-2 NRCS/USDA Soils Map.....	3-3
Figure 4-1 Site Locations.....	4-8
Figure 4-2 Land Use and Photo Log Summary.....	4-8

LIST OF TABLES

Table E-1 Level I CSER Matrix Summary.....	E-1
Table 4-1 Environmental Database Summary.....	4-2
Table 4-2 Aerial Photo/Historical Land Use Review.....	4-5
Table 4-3 Project Corridor Reconnaissance Summary.....	4-7
Table 5-1 Level I CSER Matrix Summary.....	6-1

LIST OF CSER APPENDICES

Appendix A	Environmental Data Report (EDR)
Appendix B	Select Documents from FDOT ETDM-EST, FDEP CLM, and Oculus Database Search
Appendix C	Historical Aerial Photographs; EDRI
Appendix D	Sanborn Fire Insurance Map Report
Appendix E	Asbestos Survey & Metals-Based Paint Coatings Sampling Reports
Appendix F	Current Land Use and Risk Assessment
Appendix G	Photo Log Summary

EXECUTIVE SUMMARY

The preferred alternative replaces the existing twin bridges with a single bridge. The single bridge typical section includes two 10.5-ft wide travel lanes, a dedicated 11-ft transit lane, 2.5-ft inside shoulder, 5.5-ft bike lane, and 14-ft shared use path in each direction. The total width of the bridge is 114 ft 3-in.

The new bridge will transition to a curb and gutter roadway typical section that includes two 10.5-ft wide travel lanes, a dedicated 11-ft transit lane, and 5-ft bike lane in each direction, separated by a median with Type E curb and gutter. This section of roadway also includes a 10-ft shared-use path on both sides of the roadway that connects to the bridge. The design speed is 40 mph with a posted and target speed of 35 mph.

The limits of the improvements are from Bird Key Drive to Sarasota Harbour West in Sarasota County. The purpose of the study is to address structural integrity and operational deficiencies. SR 789 is classified as an Urban, Minor Arterial and consists of a four-lane, divided typical section between Bird Key Drive and Sarasota Harbour West, a distance of 0.741 miles. SR 789 serves as the only connection from downtown Sarasota to St. Armands Key and Lido Key. Although SR 789 is designated as a north-south route, within the project limits SR 789 runs in a generally east-west direction.

The existing twin bridges cross the Coon Key Waterway, a navigable waterway without a defined channel. Per the FDOT Design Manual (FDM), a minimum six-foot vertical clearance is required. The existing concrete multi-beam bridges were constructed in 1958. The bridges are spaced 100 feet apart and each bridge is approximately 1,006'-10" long (21 spans of 48 feet each). Each bridge has two twelve-foot travel lanes and a five-foot wide sidewalk on both sides. There are currently no shoulders or designated bicycle facilities across the bridges.

The Level I Contamination Screening Evaluation Report (CSER) that was conducted showed a total of seven (7) sites within specified distances of the edge of the project right-of-way, as summarized in Table E-1 that follows:

**Table E-1
Level I CSER Matrix Summary**

Risk	Number of Sites	Site Identification & Description	Source to R/W Distance
No	4	Bird Key Municipal Park	Adjacent
		Sarasota Harbour East & West (Townhomes)	Adjacent
		Sidewalk refurbishment & staging area	Within
		Harris Residence, 243 Robin Dr.	>1,000 feet
Low	2	Sarasota Yacht Club (SYC), 1100 John Ringling Blvd	300 feet
		Plymouth Harbor, 20-story condominium at 700 John Ringling Blvd	350 feet
Medium	1	SR 789 Ringling Bridge (both spans)	Within
High	0	No Properties / Structures Identified	NA

Based on the proximity of the underground storage tanks (UST) at the Sarasota Yacht Club (SYC) and the above ground storage tank (AST) at Plymouth Harbor relative to the Project Corridor, either property represents a **Low** risk to soil and/or groundwater quality along the project corridor with any real sense of practicality. Based upon two reports of Asbestos Survey and Metals-Based Paint Coatings Sampling (one for each bridge), metals-based paint coatings were identified on the pile jackets of both bridge structures, which presents a **Medium** risk.

1.0 PROJECT SUMMARY

1.1 Project Description

The preferred alternative replaces the existing twin bridges with a single bridge. The single bridge typical section includes two 10.5-ft wide travel lanes, a dedicated 11-ft transit lane, 2.5-ft inside shoulder, 5.5-ft bike lane, and 14-ft shared use path in each direction. The total width of the bridge is 114 ft 3-in.

The new bridge will transition to a curb and gutter roadway typical section that includes two 10.5-ft wide travel lanes, a dedicated 11-ft transit lane, and 5-ft bike lane in each direction, separated by a median with Type E curb and gutter. This section of roadway also includes a 10-ft shared-use path on both sides of the roadway that connects to the bridge. The design speed is 40 mph with a posted and target speed of 35 mph.

The limits of the improvements are from Bird Key Drive to Sarasota Harbour West in Sarasota County (see **Figure 1-1**). The purpose of the study is to address structural integrity and operational deficiencies. SR 789 is classified as an Urban, Minor Arterial and consists of a four-lane, divided typical section between Bird Key Drive and Sarasota Harbour West, a distance of 0.741 miles. SR 789 serves as the only connection from downtown Sarasota to St. Armands Key and Lido Key. Although SR 789 is designated as a north-south route, within the project limits SR 789 runs in a generally east-west direction.

The existing twin bridges cross the Coon Key Waterway, a navigable waterway without a defined channel. Per the FDOT Design Manual (FDM), a minimum six-foot vertical clearance is required. The existing concrete multi-beam bridges were constructed in 1958. The bridges are spaced 100 feet apart and each bridge is approximately 1,006'-10" long (21 spans of 48 feet each). Each bridge has two twelve-foot travel lanes and a five-foot wide sidewalk on both sides. There are currently no shoulders or designated bicycle facilities across the bridges.

Figure 1-1
Project Location Map



Note: Map not to scale

1.2 Purpose & Need

The purpose of the project is to address structural integrity and operational deficiencies of the SR 789 bridges [Structure Numbers 170022 and 170951]. The ultimate goal of the project is to identify the optimal solution for a bridge structure in need of repair due to deteriorating conditions and to accommodate greater multimodal transportation access. The project will evaluate twin bridge and single bridge alternatives for the reconstruction/rehabilitation, with consideration of bicycle/pedestrian and transit facilities, of approximately 0.741 miles of roadway that provides a connection between nearby neighborhoods and recreational facilities (Ringling Bridge Causeway Park, Bird Key Park and the Sarasota Yacht Club). The need for the project is based on the following criteria:

1.2.1 BRIDGE DEFICIENCIES:

The current concrete multi-beam bridge is the second bridge that has existed at this location, with the original bridge replaced in 1958. Several sections of the deck were replaced on the northbound bridge in 2016 along with other repair-type work throughout the years. The SR 789 bridges, located between downtown Sarasota and St. Armands Key and Lido Key, are more than fifty-years old, the typical expected design life for transportation infrastructure, and are operationally deficient, particularly for transit. SR 789, including the bridges, is identified as a constrained roadway by the Sarasota / Manatee Metropolitan Planning Organization (MPO), meaning it does not preclude any type of improvement in the future, but it identifies that the corridor has physical, or policy challenges associated with a widening/capacity project.

Based on a January 2021 FDOT bridge inspection report, the SR 789 bridges received a sufficiency rating of 77.0 (northbound) and 77.8 (southbound) on a scale of 0-100. Sufficiency rating is essentially an overall rating of a bridge's fitness to remain in service. A bridge with a sufficiency rating of 80 or less is generally eligible for bridge rehabilitation funding. The bridge conditions are as follows:

Northbound

- Overall Condition: Fair
- Deck: Fair
- Superstructure: Satisfactory
- Substructure: Satisfactory
- Deck Geometry Appraisal: Basically intolerable requiring a high priority replacement
- Countermeasures have been installed to mitigate an existing problem with scour.

Southbound

- Overall Condition: Good
- Deck: Satisfactory
- Superstructure: Good
- Substructure: Satisfactory
- Deck Geometry Appraisal: Basically intolerable requiring a high priority replacement
- Countermeasures have been installed to mitigate an existing problem with scour.

1.2.2 MODAL INTERRELATIONSHIPS:

SR 789 (Ringling) serves as the primary connection between downtown Sarasota and St. Armand's Key and Lido Key and is frequently used by bicyclists and pedestrians due to the adjacent parks and recreational facilities [Bird Key Park South / Bird Key Park, West MURT Bird Key / Coon Key Phase I, John Ringling Trail and Longboat Key Trail Corridor]. While there are five-foot wide sidewalks on both sides of the bridges, there are currently no shoulders or designated bicycle facilities across the bridges. Due to the minimal sidewalk width, there are often conflicts between pedestrians and bicyclists. Overall, the proposed project intends to enhance mobility by evaluating alternatives for reconstruction/rehabilitation with consideration of bicycle/pedestrian and transit facilities on approximately 0.741 miles of roadway on SR 789.

1.2.3 SAFETY:

Serving as part of the emergency evacuation route network designated by the Florida Division of Emergency Management and City of Sarasota, SR 789 plays a critical role in facilitating traffic during emergency evacuation periods as the primary connection between downtown Sarasota and St. Armand's Key and Lido Key. The entire project corridor is located in the City of Sarasota's Hurricane Storm Surge Category "A."

The City of Sarasota Climate Adaptation Plan (December 4, 2017) studied and evaluated climate threats to public infrastructure to understand how sea level rise, storm surge, extreme precipitation, and extreme heat might impact the City of Sarasota's transportation network; stormwater management, water supply, and wastewater systems; public lands; and critical buildings. Thirty-four transportation assets were evaluated of which 15 were deemed most vulnerable, including SR 789 [Project ID T15, pg. 31]. When prioritizing transportation vulnerabilities, the SR 789 bridge received a risk score of 64.4 (on a scale of 0-100). The potential reconstruction and/or rehabilitation of SR 789 bridge would make it more resilient to climate vulnerabilities.

1.3 Purpose of CSER

The purpose of this Contamination Screening and Evaluation Report (CSER) is to present methods and findings of a contamination screening evaluation for the project along SR 789 from Bird Key Drive to Sarasota Harbour West on Coon Key. This report identifies and evaluates known or potential contamination issues on properties along or near the existing right-of-way of SR 789 (project corridor) from MP 1.206 south to 1.947. This CSER also presents recommendations for supplemental sampling and analysis of soil and/or groundwater samples at select locations along the project corridor.

2.0 LAND USES

Both current and historical land use are important factors in evaluating whether soil and/or groundwater quality may have been affected along the project corridor. Evaluating the past land use of a given property can assist in determining whether chemical constituents may have been used or are present on a particular parcel. Current land use records, as typically supplied by local governmental agencies may also provide environmental professionals with additional information regarding target area for potential contamination.

Based on a reconnaissance of the project corridor and immediate surrounding area, existing land use on Bird Key includes a municipal park (Bird Key Park) along the north shore of Bird Key, and single-family residential property along the south side of the corridor. Existing land use on Coon Key includes the Sarasota Yacht Club (SYC) along with multi-family living at Plymouth Harbor and Sarasota Harbour. Present-day land use along the project corridor and surrounding area are described in greater detail later in this report.

3.0 HYDROGEOLOGIC SETTING

3.1 Geography

Sarasota County is located along the west side of peninsular Florida and is relatively flat. The ground surface along the project corridor ranges from about 4 to 7 feet above mean sea level (msl) (**Figure 3-1**), not including the elevated pavement of the twin spans of the 2-lane bridges.

3.2 Geologic Overview

According to the Geologic Map of the State of Florida (FGS Map Series 146, 2001), the project right-of-way lies within a mapped area identified as **Holocene sediments** (map symbol Qh). According to the FGS, Holocene sediments in Florida occur near the present coastline at elevations generally less than 5 feet (1.5 meters). The sediments include quartz sands, carbonate sands and muds, and organics. Collectively, these surficial soils and sediments overlay the Tamiami Formation of Pliocene age and elements of the Hawthorn Group (Miocene age). Portions of the Hawthorn Group typically include laterally discontinuous lenses that consist of permeable carbonate sediments that are informally referred to as the “intermediate aquifer”. Along the west flank of Florida, the Hawthorn group is underlain by the Suwannee Limestone (Oligocene) and Avon Park (Eocene). These thick, laterally continuous formations serve as a significant groundwater resource for Florida, including Sarasota County. The Floridan Aquifer System is generally recognized as including the Suwannee Limestone (where present), along with the Avon Park Formation.

3.3 Hydrogeologic Overview

The surficial aquifer within this project area consists of saturated unconsolidated sands. Locally, the surficial aquifer is of limited value with regard to water supply. Generally, the surficial aquifer is not considered as a resource for municipal drinking water. The Floridan Aquifer is comprised of several massive limestone formations, and represents a significant groundwater resource for drinking water, irrigation, agricultural, and industrial purposes. According to recent potentiometric surface maps published by the Southwest Florida Water Management District, the potentiometric surface of the Floridan Aquifer is about 2 to 3 feet above mean sea level. The vertical hydraulic gradient in the project corridor is negligible. No site-specific data was collected for the purposes of this CSER.

3.4 Soil Survey

As mapped by the United States Department of Agriculture, Natural Resources Conservation Service (NRCS; formerly the Soil Conservation Service, or SCS) two (2) soil types were identified along the project corridor (**Figure 3-2**). On both Bird Key and Coon Key, these soil types were identified as **Canaveral fine sand, 0 to 5 percent slopes** (map symbol 6) and **St. Augustine fine sand** (map symbol 39).

Figure 3-1
Topographic Map



Source: GIS Information (ESRI), Soils Information (SCS/USGS)

Figure 3-2
NRCS/USDA Soils Map



Source: GIS Information (ESRI), Soils Information (SCS/USGS)

According to the USDA – SCS report written for Sarasota County, Canaveral fine sand is nearly level, somewhat poorly drained to moderately well drained soil found on low dune-like ridges and side slopes bordering sloughs and mangrove swamps with smooth to convex slopes. The soil profile typically consists of an approximate 7-inch thick dark gray to gray fine sand with up to 10% shell content. The underlying soils are comprised of light gray, yellowish brown, pale brown to light gray fine sand with up to 40% shell content. The (pre-development) water table ranges from about 12 to 40 inches below ground surface. Permeability is very rapid and available water capacity is very low.

The USDA – SCS also reports that St. Augustine fine sand is found on former tidal areas, marine terrace flats and rises, generated from sandy mine spoil or earthy fill. The typical soil profile is comprised of fine sand to a depth of 80 inches below ground surface (bgs) and is generally somewhat poorly drained. The reported depth to water ranges from about 18 to 36 inches bgs, and the available water storage is reported as being low. Soils may include brown to gray fine sand and sandy clay loam with variable shell content.

4.0 LEVEL I CSER METHODOLOGY

4.1 Overview

The methodology for this Level I CSER included the following tasks:

- Document review using Sarasota County Property Appraiser database;
- Review of governmental regulatory databases for permits, reports, and/or violations associated with environmental issues;
- Review of environmental database resources maintained by the FDOT – Efficient Transportation Decision Making – Environmental Screening Tool (ETDM – EST);
- Review of Contamination Locator Map (CLM), as maintained by the Florida Department of Environmental Protection (FDEP);
- Obtaining and reviewing historical aerial photographs, topographic maps and soil surveys to evaluate historic land use, specifically as it pertains to the potential for whether soil and/or groundwater quality may have been affected;
- Conduct a visual survey of the project corridor to verify information obtained from the governmental environmental database review and establish current land use; and,
- Determine the potential for whether soil and/or groundwater quality at properties within the project corridor may have been affected and assigning a risk rating for each such property as classified by the FDOT (i.e. **NO**, **LOW**, **MEDIUM**, or **HIGH** risk).

4.2 Regulatory Agency Database Review

An environmental database search was requested from Environmental Data Resources, Inc. (EDRI) to identify sites along, and in close proximity to the project corridor, and whether these sites may be associated with suspected or documented use, storage, or release of chemicals and compounds that may affect soil and/or groundwater quality. The regulatory review of federal, state, and local environmental records uses an integrated geographic information database. The search was conducted as a preliminary screening tool to identify facilities that are registered with various environmental agencies. A copy of the Environmental Data Report (EDR) that was provided by EDRI is included in **Appendix A**. Results of the are presented in **Table 4-1**.

**Table 4-1
Environmental Database Summary**

Site Identification				Database Listings
CSER	EDR	Name	Address	
6	1	Sarasota Yacht Club	1100 John Ringling Blvd	LUST, UST, Fin. Assure
7	2	Plymouth Harbor	700 John Ringling Blvd	UST, AST, Asbestos, Fin. Assure NPDES
9	3	Harris Residence	243 Robin Drive	UST, LUST

Notes:

*Environmental Data Report (EDR) included in **Appendix A**.*

*CSER Site ID numbers correspond with photos included in **Appendix G**.*

AST: Aboveground Storage Tank

Fin. Assure: Demonstration of Financial Assurance to FDEP

LUST: Leaking Underground Storage Tank

NPDES: National Pollution Discharge Elimination System

UST: Underground Storage Tank

4.3 Supplemental Regulatory Database Review

In addition to the regulatory agency database review that was completed using the EDR, a supplemental review of available FDEP records was completed using the Public Access Portal, Oculus Document Management System. Select documents that were obtained from this review are summarized below, and are included in **Appendix B**.

EDR Site No. 1. Sarasota Yacht Club, 1100 John Ringling Boulevard

FDEP FIN 58-8516507. Former UST's located adjacent to southern end of former in-ground swimming pool, located about 300 feet south of Project Corridor ROW. The SYC was demolished and re-built in 2009 (see **Photos 7A, 7B & 7C**); this work included removing the in-ground swimming pool and building a new pool at the north end. The location of where the original UST's were located was south of the original in-ground pool (Photo 7C, 2006 and 2019). Documents on file with the FDEP show that "during 2002, a 2,000-gallon gasoline underground storage tank (UST) and a 4,000-gallon diesel UST were removed at the SYC, and replaced by a single 12,000-gallon gasoline UST." During the closure of these UST's a petroleum discharge was discovered and reported to the Sarasota County Environmental Services (SCES). Following a contamination assessment, consultants for the SYC recommended that the soil and groundwater that had been affected by the petroleum release be excavated and disposed of, which was completed by 2008. On August 1, 2008, the FDEP issued a Site Rehabilitation Completion Order (SRCO) stating that the SYC is "released from any further obligation to conduct site rehabilitation at the facility for petroleum product contamination associated with the discharge...". The tank registration documents show that the SYC currently owns and operates a single 12,000-gallon 2-chamber UST that stores diesel (dockside) and unleaded gasoline

(clubhouse side). This tank is situated near the location of the tanks that were removed in 2008, about 350 feet south of the Project Corridor ROW. The present-day location of the UST is less than 20 feet from Sarasota Bay; the direction of groundwater flow in the ephemeral water table / surficial aquifer is likely toward the Bay, away from the project corridor. The most recent document readily available through the FDEP, as dated 12-April-2018 states that the facility is “in compliance” with regards to requirements for petroleum storage systems. The environmental work that has been completed at the SYC with regards to the former and new UST does not appear to be listed or identified in either FDOT’s ETDM – EST, or on FDEP’s Contamination Locator Map (CLM), as discussed below.

EDR Site No. 2. Plymouth Harbor, 700 John Ringling Boulevard

FDEP FIN 58-9500095. Plymouth Harbor facilities includes a diesel-powered emergency generator, located about 350 feet south of Project Corridor ROW. The generator was originally supplied with diesel fuel stored in a 2,000-gallon UST that was replaced in 1997 with a 3,000-gallon above-ground storage tank (AST). Ultimately, the facility expanded the fuel storage capacity with the installation of an 8,000-gallon AST in September 2018. Inspection records and documents on file with the FDEP show that there have not been reported leaks or releases, and that the facility has been in compliance for quite some time. With regards to the NPDES listing for this property, there was a series of stormwater retention ponds that collect stormwater runoff from the paved parking areas. These features are shown in **Photos 8A, 8B, 8C & 8D**. Overflow from these ponds does not appear to flow onto the project corridor. This property does not appear in either FDOT’s ETDM – EST, or in FDEP’s CLM, as discussed below.

EDR Site No. 3. Harris Residence – 243 Robin Drive

FDEP FIN 58-9401473. Documents on file with the FDEP show that in May 1994 a single 300-gallon home heating oil UST was removed and disposed of. About 12 years later, laboratory analysis of select soil samples showed fuel-affected soil in the back yard. The soil was apparently removed shortly thereafter. In a 1-page status report dated July 2008, it is reported that the facility (UST) has been removed, a cleanup had been completed, and that there are no further pending issues regarding this matter (**Photos 5A & 5B**). The environmental work that has been completed at this property with regards to the former UST does not appear to be listed or identified in either FDOT’s ETDM – EST, or on FDEP’s Contamination Locator Map (CLM), as discussed below.

4.4 FDEP Contamination Locator Map (CLM)

The Contamination Locator Map (CLM), as maintained by the FDEP was reviewed for mapped sites along or in close proximity to the project corridor. Select documents and maps opened with the CLM are included in **Appendix B**. A review of FDEP’s CLM showed that there are no mapped sites or properties along the project corridor or within 500 feet of the ROW. The nearest mapped sites identified using the CLM include:

- **Jack Graham, Inc. at 2 Marina Plaza**
FDEP Facility ID No. 64182742
Located about 1.1 miles east of eastern end of project corridor
Isolated from project corridor by Sarasota Bay
No documents listed or included in Oculus database
- **Foxy Lady (Former Chevron) at 481 John Ringling Blvd**
FDEP Facility ID No. 9700801
Located about 0.3-mile west of western end of project corridor
Site is located on St. Armands Key
On-going groundwater monitoring program
Separated from project corridor by saltwater channel
Petroleum discharge dated June 1997; Current Priority Score identified as 07; Most recent document dated August 5, 2020 regarding request for additional documentation, mapping presenting petroleum-based analytes.
- **Exxon – St. Armands at 1 N. Blvd of Presidents**
FDEP Facility ID No. 8520819
Located about 0.4-mile west of western end of project corridor
Site is located on northwest quadrant of St. Armands Circle
Separated from project corridor by saltwater channel
Site identified as participating in Low-Scored Site Initiative (LSSI)
Most recent groundwater quality assessment report dated February 2012

4.5 FDOT Efficient Transportation Decision Making (ETDM)

As maintained by the FDOT, the ETDM was used to provide an overview of the project corridor, and to access to the Environmental Screening Tool (EST). The map developed by FDOT showing the EST is included in **Appendix B**. As shown, there are no mapped sites identified on the ETDM – EST map along the project corridor.

4.6 Interviews

At the time of the site reconnaissance, contact was made with management of Plymouth Harbor regarding the UST and AST listings reported in the EDR database. According to the EDR, a 2,000-gallon UST was installed in June 1987, and was replaced with a 3,000-gallon AST in May 1997. The 3,000-gallon AST was replaced again in August 2018 (**Photo 8C**) with a substantially larger AST. On January 27, 2020 a brief follow-up interview was held via telephone with management of Plymouth Harbor. When management was asked, there were no known issues regarding the closure of either the 2,000-gallon UST or the 3,000-gallon AST. The reason given for installing a substantially larger AST was reportedly to accommodate recent changes to state law regarding fuel reserves required for emergency generators at residential facilities in the event of prolonged power outages. Insofar as the management at Plymouth Harbor was aware, there are no outstanding issues regarding the closed UST or either AST.

4.7 Historical Aerial Photographs

Historical aerial photographs were obtained from three (3) sources included in the EDRI, and one additional source:

- EDRI – 1948 through 2017 as provided by the USDA, FDOT, and USGS
- Google Earth – 2006, 2009, and 2019 (current)

Historical aerial photographs of the project corridor and surrounding area included in the EDRI are included in **Appendix C**. Both historical and current land use along the project right-of-way were reviewed in determining the risk for whether soil and/or ground water quality may have been affected, as summarized in **Table 4-2**, below.

Table 4-2
Aerial Photo/Historical Land Use Review

Year	Color / Condition	Description / Interpretation
1948	Black & White Fair	Single-span bridge between Bird Key and Coon Key has already been built and is in service. There is a boat launch and dock at the location of the Sarasota Yacht Club (SYC). The Boat launch includes one small building and a relatively short single dock that extends into the bay.
1957	Black & White Fair	Single-span bridge still present. Land development has begun on Bird Key. Boat launch on Coon Key has been expanded to include a second dock that extends out into the bay, along with slips along the waterfront; this property now more closely resembles a marina as opposed to a boat launch. Saltwater canals have also been cut into Coon Key.
1962	Black & White Good	Original single-span bridge has been removed and replaced with twin 2-lane spans. Single-family residential properties have been built along south side of ROW on Bird Key. Vegetation growth on Coon Key. No appreciable change in the configuration of the marina.
1969	Black & White Good	No changes evident to Little Ringling Bridge since previous image. Substantial single-family residential development on Bird Key. Multi-family residential complex has been built along northern and southern sides of Coon Key. There is also a tall residential building on the southern tip of Coon Key. The configuration and size of the docks and the buildings at the SYC have been enlarged.
1971	Black & White Good	No changes are evident to Little Ringling Bridge since previous image. Unpaved beach access and vehicle pathways are visible on the north shore of Bird Key. The docks at the SYC have been lengthened and are of the same size as one another.
1979	Black & White Poor / Grainy	No changes are evident to Little Ringling Bridge or in land use on Bird Key or Coon Key since previous image.

Year	Color / Condition	Description / Interpretation
1985	Black & White Good	No changes are evident to Little Ringling Bridge since previous image. A third dock has been added at the marina on Coon Key. The vehicle paths on the north shore of Bird Key have been paved.
1998	Black & White Good	No changes are evident to Little Ringling Bridge or to land use on Bird Key or Coon Key since previous image.
	False Color Fair to Poor	
2007	Color Fair	No changes are evident to Little Ringling Bridge or to land use on Bird Key or Coon Key since 1998.
2010	Color (light) Fair	
2013	Color (light) Fair	
2017	Color Good	
2019	Color / Good See Photo 1 – Appendix G	

1) *Historical aerial photos are included in Appendix C.*

4.8 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps were obtained from EDRI (**Appendix D**). As reported by EDRI, the complete holdings of the Sanborn Library collection have been searched; there are no buildings and/or structures identified along the project corridor within the mapped areas on historical Sanborn Fire Insurance Maps. Several structures do exist however, within the unmapped portions of the corridor.

4.9 FDOT Bridge Structure Survey / Sampling

Asbestos surveys were conducted at Bridge Number 170951 (Ringling Bridge) eastbound and Bridge Number 17002 (Little Ringling Bridge) westbound, along SR 789 over Coon Key Waterway (**Photos 6A, 6B & 6C**). The asbestos survey was performed to determine the presence, if any, of asbestos-containing materials (ACM). In addition to the asbestos survey, sampling of the bridge paint coatings was conducted with laboratory analysis for heavy metals. No regulated asbestos-containing materials were found within the materials tested at Bridge Number 170951 or Bridge Number 170022, located along SR 789 over the Coon Key Waterway. The presence of metals in the paint coatings was identified on the pile jackets on both bridge structures. Renovation or demolition of the bridge will present a potential exposure to workers and will require methods to ensure that workers are not exposed to levels above the OSHA permissible exposure limits in accordance with 29 CFR Subpart Z, and to ensure that

any regulated metals are not spread to uncontrolled areas.

Complete copies of the Asbestos Survey and Metals-Based Paint Coating Sampling Reports for Bridge Number 170022 and Bridge Number 170951 are provided in **Appendix E**.

4.10 Site Reconnaissance

The current land use along the project corridor was evaluated during a visual inspection on January 25, 2020. The reconnaissance of the project corridor included a systematic visual inspection of each parcel of land, documenting land use and conditions commonly associated with land use that may affect soil and/or groundwater quality. Typical physical indicators of land use that may affect soil and/or groundwater quality include: underground or aboveground storage tanks, fill ports, and/or vent pipes; industrial drums; chemical containers; monitor wells; refuse; signs of illicit dumping; solid waste; distressed vegetation; and/or noxious odors. Certain types of businesses are commonly associated with use of materials that, if released or discharged may affect soil and/or groundwater quality either on their property or the project corridor. These facilities may include: vehicle re-fueling stations; dry cleaning facilities; agriculture support operations; landfills; stormwater percolation/retention ponds, paint stores; and so forth.

During the site reconnaissance, the actual locations of properties that were identified in the local, state, and federal environmental agency database searches were verified either way. A summary of properties identified during the site reconnaissance are included in **Appendix F**. For ease of discussion, these properties are identified by estimated Mile Post (MP) from Bird Key Drive (MP 1.206) to Sarasota Harbour West (MP 1.947) and address. Seven properties, areas, and/or structures along the Project Corridor were identified during the site reconnaissance, as summarized and described in **Table 4-3** and shown on **Figure 4-1**. Select site photos documenting current land use of these properties are included in **Appendix G**. Photo locations and orientations are shown on **Figure 4-2**.

Table 4-3
Project Corridor Reconnaissance Summary

Site Identification	Location and Description
1. Bird Key Park	Along northwestern side of Bird Key; MP 1.206; Municipal park located at northern end of project corridor (Photo 2)
2. SR 789	Sidewalk refurbishment (Photo 8A) & staging area (Photo 4). The staging area was located on the causeway between Coon Key and St. Armands Key, and is not within the project corridor.
3. Sarasota Harbour	Multi-family Residential Townhouses (Photo 5) On northwest side of Coon Key; MP 1.583 to MP 1.947 Southern entrance represents southern end of project corridor
4. Harris Residence	UST listed in EDR at 243 Robin Drive; located > 1,000 feet from project corridor. (Photo 9)

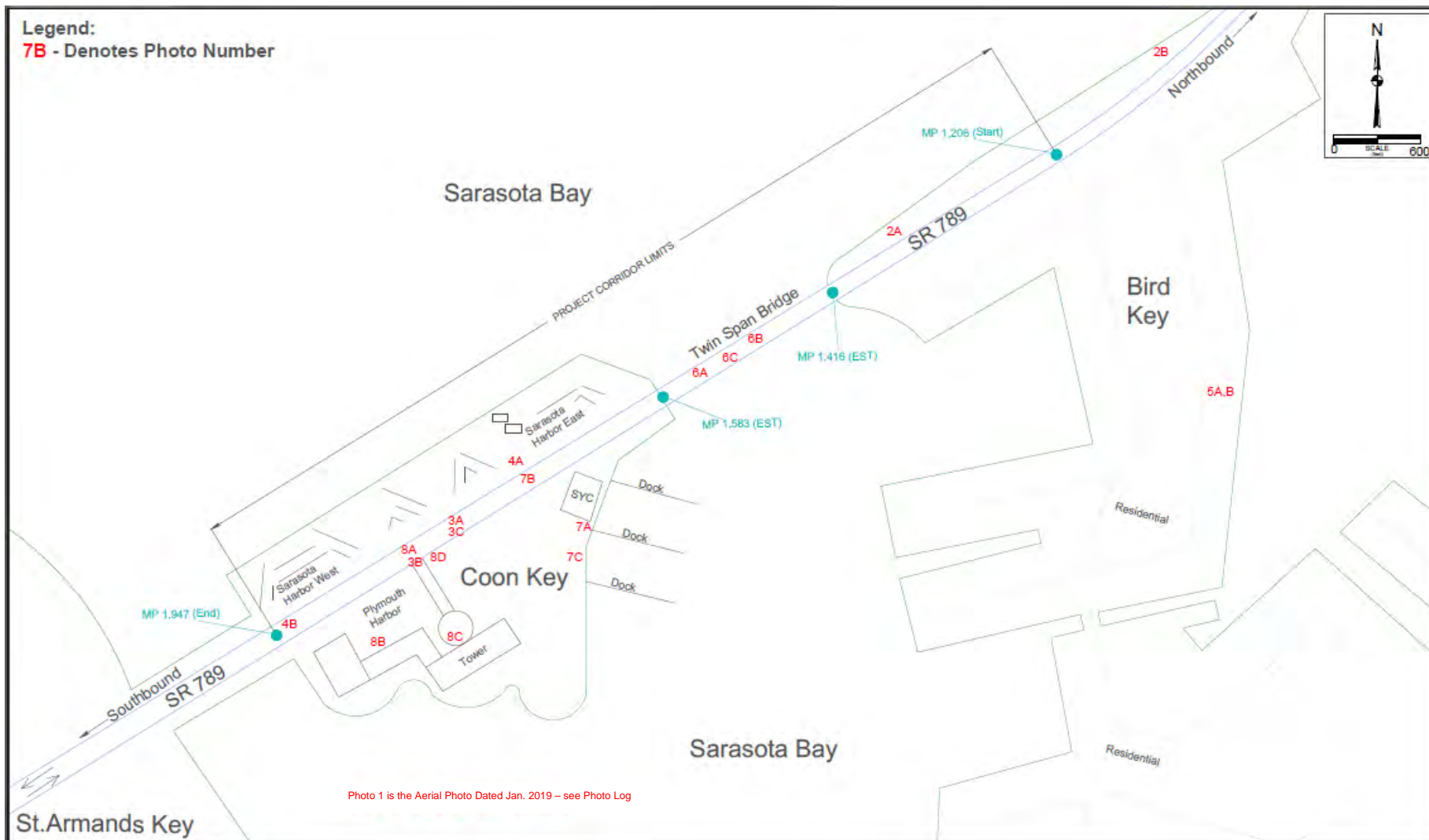
SECTION 4 – LEVEL I CSER METHODOLOGY

5. SR 789 Bridges	FDOT Structure No. 170022 (Photo 3) FDOT Structure No. 170951
6. Sarasota Yacht Club	1100 John Ringling Blvd; Private yacht club. Includes UST about 300 feet from project corridor. (Photo 6)
7. Plymouth Harbor	700 John Ringling Blvd; 20-story condominium, including AST about 350 feet from project corridor. (Photo 7)

Figure 4-1
Site Locations



Figure 4-2
Land Use and Photo Log Summary



5.0 SITE IMPACT EVALUATIONS

Based on data collected from the document review, aerial photographs detailing historical land use, and the site reconnaissance, the risks of potential impacts to soil and/or groundwater quality have been rated along the project right-of-way. As identified in Part 2, Chapter 20 of the PD&E Manual issued by the FDOT dated July 2020, the standardized rating system devised for evaluating the risk to soil and/or groundwater quality along the project right-of-way includes four (4) levels of risk, as described in greater detail below. This system expresses the degree of concern for the potential of contamination issues. Known conditions may not necessarily present a “high” cause for concern if regulatory agencies are aware. Also, actual soil and/or groundwater quality issues may vary widely between what is on the adjoining property and the project right-of-way. Groundwater quality issues are subject to the rate, direction of groundwater flow, as well as the degree of contamination and mobility of specific chemicals that are dissolved in the groundwater.

Any site that is recognized by the FDEP as being “contaminated” due to the documented presence of impacts will be rated as at least a “medium” or “high” because these sites will likely affect National Pollutant Discharge Elimination Systems (NPDES) dewatering efforts within 500 feet of the site. Such sites can create a contamination-related impact to construction by requiring additional efforts related to permitting processes, effluent treatment, and discharge monitoring.

NO Risk Site

A review of available information on the property and a review of the conceptual or design plans indicates there is no potential contamination impact to the project. It is possible that contaminants have been handled on the property. However, findings from the Level I evaluation indicate that contamination impacts are not expected.

CSER Site 1. Bird Key Municipal Park – Site is rated as NO RISK due to no history of any hazardous or petroleum-related products on-site (**Photos 2A & 2B**).

CSER Site 2. Sidewalk Refurbishing & Staging Area - Site is rated as NO RISK due to no history of any hazardous or petroleum-related products on-site (**Photos 3A, 3B & 3C**).

CSER Site 3. Sarasota Harbour East & West (Townhouses) – Site is rated as NO RISK due to no history of any hazardous or petroleum-related products on-site (**Photos 4A & 4B**).

CSER Site 4. Harris Residence, 243 Robin Dr. – Site contained one 300-gallon underground storage tank for storage of fuel oil for on-site heat. A discharge was reported in 1994 due to the presence of soil contamination. Cleanup status listed in 2006 is No Further Action (NFA) required. The tank is currently listed as ‘removed’. Site is rated as NO Risk due to the absence of petroleum product and the distance to the ROW exceeds 1,000 feet (**Photos 5A & 5B**).

LOW Risk Site

A review of available information indicates that past or current activities on the property have an ongoing contamination issue; the site has a hazardous waste generator identification (ID) number, or the site stores, handles or manufactures hazardous materials. However, based on the review of conceptual or design plans and/or findings from the Level I evaluation, it is not likely that there would be soil any contamination impacts to the project.

CSER Site 6. Sarasota Yacht Club (SYC), 1100 John Ringling Blvd.- storage of marine/coastal fuel, with report of former discharge of unleaded gasoline in 2002. Impact was to local groundwater. Site was remediated and issued a Site Rehabilitation Completion Order by the FDEP in 2008. Site is rated as LOW Risk due to the presence of petroleum product and proximity of underground storage tanks to ROW (Photos **7A, 7B & 7C**).

CSER Site 7. Plymouth Harbor, 20-story condo, 700 Ringling Blvd.- presence of aboveground storage tank containing ultra-low sulfur diesel. System was placed in service in 2018. No report of discharge to soil or groundwater. Site also contains an abandoned in-place underground storage tank. Site is rated as LOW Risk due to the presence of petroleum product and proximity of underground storage tanks to ROW (**Photos 8A, 8B, 8C & 8D**).

MEDIUM Risk Site

After a review of conceptual or design plans and findings from a Level I evaluation, a potential contamination impact to the project has been identified. If there is insufficient information (such as regulatory records or site historical documents) to make a determination as to the potential for contamination impact, and there is reasonable suspicion that contamination may exist, the property should be rated at least as a “Medium”. Properties used historically as gasoline stations and which have not been evaluated or assessed by regulatory agencies, sites with abandoned in place underground petroleum storage tanks, or currently operating gasoline stations should receive this rating.

CSER Site 5. S.R. 789 Ringling Bridge Structures - Metals-based paint coatings were identified on the pile jackets of both bridge structures (170022 and 170951), which will pose a potential exposure for workers. Renovation or demolition activities will require methods to avoid exposure to levels above the OSHA permissible exposure limits in accordance with 29 CFR Subpart Z, and to ensure that any regulated metals are not spread to uncontrolled areas (**Photos 6A, 6B & 6C**).

HIGH Risk Site

After a review of all available information and conceptual or design plans, there is appropriate analytical data that shows contamination will substantially impact construction activities, have implications to ROW acquisition or have other potential transfer of contamination related liability to the FDOT.

No properties or structures are within the project area that are rated as HIGH RISK.

6.0 CONCLUSIONS

Project Impacts Summary

Using data collected prior to the field inspection with regards to known permits and/or releases, along with observations made during the field inspection, the following matrix of potential effects to soil and/or groundwater quality was developed for the project corridor. The Level I CSER that was conducted showed a total of seven (7) sites within specified distances of the edge of the project right-of-way, as summarized below, in **Table 5-1**.

Table 6-1
Level I CSER Matrix Summary

Risk	Number of Sites	Site Identification & Description	Source to R/W Distance
No	4	Bird Key Municipal Park	Adjacent
		Sarasota Harbour East & West (Townhomes)	Adjacent
		Sidewalk refurbishment & staging area	Within
		Harris Residence, 243 Robin Dr.	>1,000 feet
Low	2	Sarasota Yacht Club (SYC), 1100 John Ringling Blvd	300 feet
		Plymouth Harbor, 20-story condominium at 700 John Ringling Blvd	350 feet
Medium	1	SR 789 Ringling Bridge (both spans)	Within
High	0	No Properties / Structures Identified	Within

No estimated costs are applicable for the four (4) sites designated as No risk, and no remediation costs are estimated for the two (2) sites designated as Low risk due to the existing conditions of both sites. Only CSER site # 5, Bridge 170022 and Bridge 170951, will require remediation measures during retrofitting or demolition activities. Remediation will include the proper removal and disposal of all metal-based paint coatings if disturbed, and dust control during demolition of the concrete structure. Remediation costs are estimated to range from \$25,000 to \$50,000.

7.0 RECOMMENDATIONS

Based on the conclusions of the Level I CSER, the following recommendations have been made with regards to potential impacts along the project corridor and right-of-way:

Only one site is evaluated above **NO** and **LOW** risks. The twin 2-lane concrete bridge spans of SR 789 between Bird Key and Coon Key (CSER Site No. 5), represents a **MEDIUM Risk** within the context of this CSER. Although neither bridge (northbound or southbound spans) were identified in the EDR, on FDOT's ETDM-EST, or FDEP's CLM, these structures have been identified as containing heavy metals in metals-based coatings (MBC's). The presence of metals was identified on the pile jackets on both bridge structures.

Renovation or demolition of the bridge will present a potential exposure to workers and will require methods to ensure that workers are not exposed to levels above the OSHA permissible exposure limits in accordance with 29 CFR Subpart Z, and to ensure that any regulated metals are not spread to uncontrolled areas.

**CSER
APPENDIX A**

Little Ringling Bridge

SR 789 Bird Key Dr to Sarasota Harbor West
Sarasota, FL 34236

Inquiry Number: 5931196.2s
January 10, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	34
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-6
Physical Setting Source Map Findings	A-7
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SR 789 BIRD KEY DR TO SARASOTA HARBOR WEST
SARASOTA, FL 34236

COORDINATES

Latitude (North): 27.3237640 - 27° 19' 25.55"
Longitude (West): 82.5674170 - 82° 34' 2.70"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 344922.1
UTM Y (Meters): 3023101.0
Elevation: 4 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5676072 SARASOTA, FL
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150510, 20150511
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
SR 789 BIRD KEY DR TO SARASOTA HARBOR WEST
SARASOTA, FL 34236

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	SARASOTA YACHT CLUB	1100 JOHN RINGLING B	LUST, UST, Financial Assurance	Higher	20, 0.004, SW
2	PLYMOUTH HARBOR ON S	700 JOHN RINGLING BL	UST, AST, ASBESTOS, Financial Assurance, NPDES	Higher	488, 0.092, SW
3	HARRIS RESIDENCE	243 ROBIN DR	LUST, UST	Higher	1166, 0.221, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... Florida's State-Funded Action Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facility Database

State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tank Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FF TANKS..... Federal Facilities Listing
FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land
TANKS..... Storage Tank Facility List

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Institutional Controls Registry
INST CONTROL..... Institutional Controls Registry

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Centers
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
PRIORITYCLEANERS.....	Priority Ranking List
FI Sites.....	Sites List
US CDL.....	National Clandestine Laboratory Register
PFAS.....	PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

Local Land Records

LIENS 2.....	CERCLA Lien Information
--------------	-------------------------

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Oil and Hazardous Materials Incidents
SPILLS 90.....	SPILLS 90 data from FirstSearch
SPILLS 80.....	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines

EXECUTIVE SUMMARY

FINDS.....	Facility Index System/Facility Registry System
ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permitted Facilities Listing
ASBESTOS.....	ASBESTOS
CLEANUP SITES.....	DEP Cleanup Sites - Contamination Locator Map Listing
DEDB.....	Ethylene Dibromide Database Results
DRYCLEANERS.....	Drycleaning Facilities
DWM CONTAM.....	DWM CONTAMINATED SITES
Financial Assurance.....	Financial Assurance Information Listing
FL Cattle Dip. Vats.....	Cattle Dipping Vats
RESP PARTY.....	Responsible Party Sites Listing
SITE INV SITES.....	Site Investigation Section Sites Listing
TIER 2.....	Tier 2 Facility Listing
UIC.....	Underground Injection Wells Database Listing
NPDES.....	Wastewater Facility Regulation Database
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's PCTO1--Petroleum Contamination Detail Report.

A review of the LUST list, as provided by EDR, and dated 10/28/2019 has revealed that there are 2 LUST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SARASOTA YACHT CLUB Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: OPEN Facility-Site Id: 8516507	1100 JOHN RINGLING B	SW 0 - 1/8 (0.004 mi.)	1	8
HARRIS RESIDENCE Discharge Cleanup Status: NFA - NFA COMPLETE Facility Status: CLOSED Facility-Site Id: 9401473	243 ROBIN DR	E 1/8 - 1/4 (0.221 mi.)	3	30

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. Shortly after the September 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SARASOTA YACHT CLUB Database: UST, Date of Government Version: 10/30/2019 Tank Status: B Tank Status: U Facility-Site Id: 8516507 Facility Status: OPEN	1100 JOHN RINGLING B	SW 0 - 1/8 (0.004 mi.)	1	8
PLYMOUTH HARBOR ON S Database: UST, Date of Government Version: 10/30/2019 Tank Status: A Facility-Site Id: 9500095 Facility Status: OPEN	700 JOHN RINGLING BL	SW 0 - 1/8 (0.092 mi.)	2	17
HARRIS RESIDENCE Database: UST, Date of Government Version: 10/30/2019 Tank Status: B Facility-Site Id: 9401473 Facility Status: CLOSED	243 ROBIN DR	E 1/8 - 1/4 (0.221 mi.)	3	30

EXECUTIVE SUMMARY

AST: Shortly after the Sept 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PLYMOUTH HARBOR ON S	700 JOHN RINGLING BL	SW 0 - 1/8 (0.092 mi.)	2	17

Database: AST, Date of Government Version: 10/30/2019

Facility-Site Id: 9500095

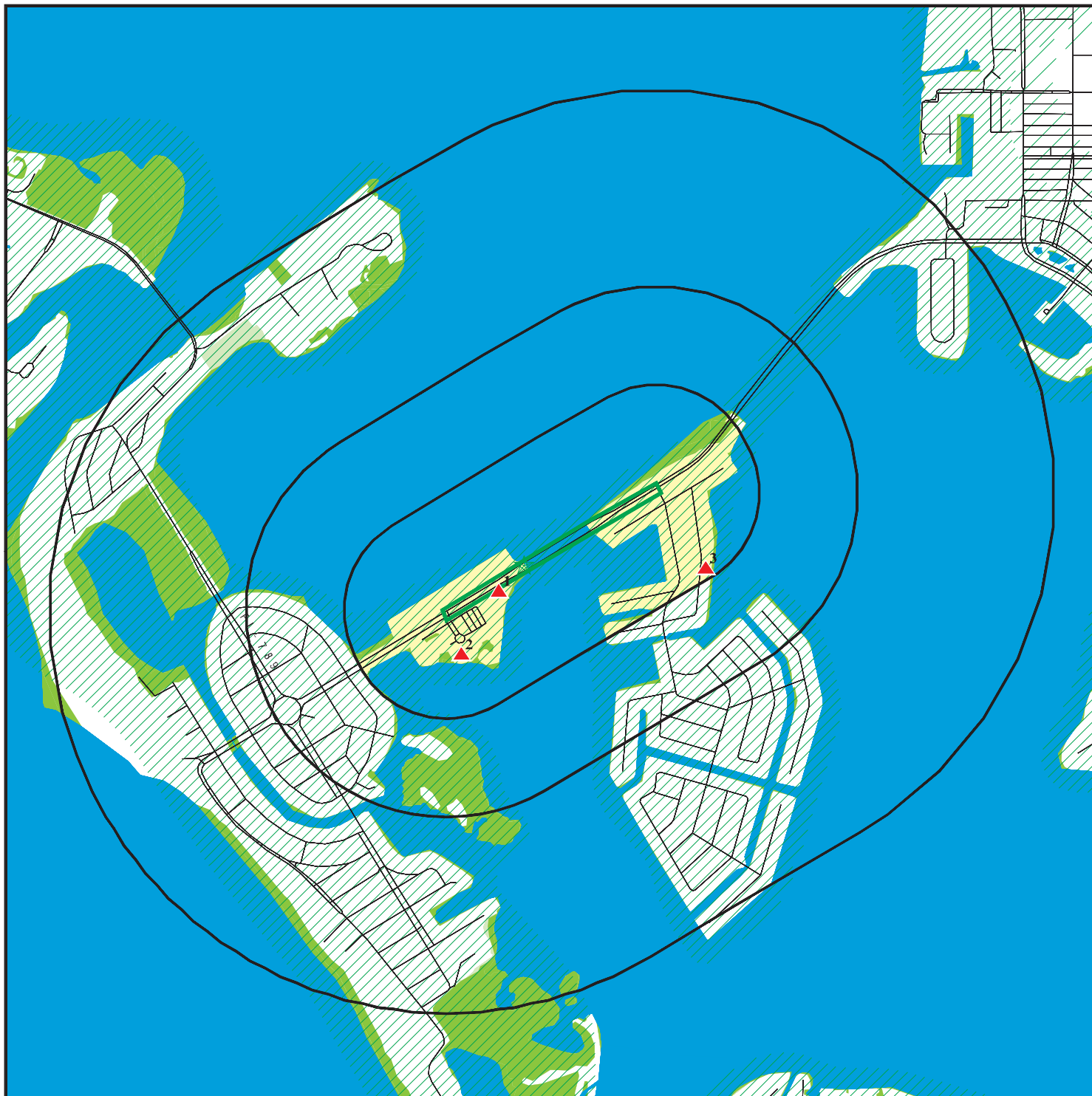
Facility Status: OPEN

Facility Status: OPEN


EXECUTIVE SUMMARY


There were no unmapped sites in this report.

OVERVIEW MAP - 5931196.2S



 Target Property

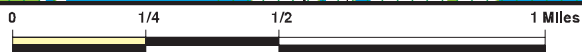
 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites



 Indian Reservations BIA

 FL Brownfield

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

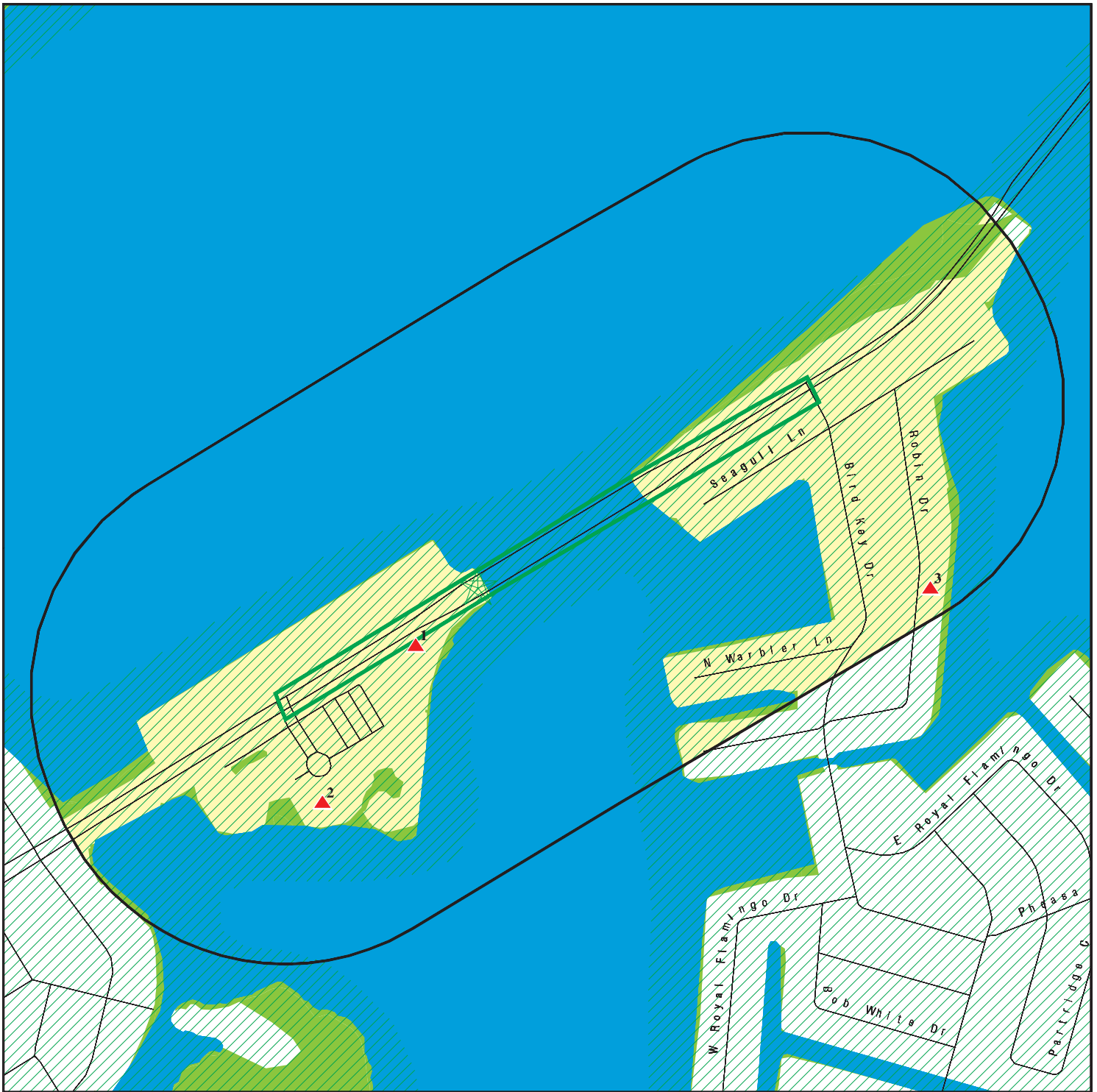


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Little Ringling Bridge
 ADDRESS: SR 789 Bird Key Dr to Sarasota Harbor West
 Sarasota FL 34236
 LAT/LONG: 27.323764 / 82.567417

CLIENT: Madrid Engineering Group, Inc.
 CONTACT: Scott Nyhof
 INQUIRY #: 5931196.2s
 DATE: January 10, 2020 11:46 am

DETAIL MAP - 5931196.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

FL Brownfield



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Little Ringling Bridge
 ADDRESS: SR 789 Bird Key Dr to Sarasota Harbor West
 Sarasota FL 34236
 LAT/LONG: 27.323764 / 82.567417

CLIENT: Madrid Engineering Group, Inc.
 CONTACT: Scott Nyhof
 INQUIRY #: 5931196.2s
 DATE: January 10, 2020 11:46 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	0.250		0	0	NR	NR	NR	0
Proposed NPL	0.250		0	0	NR	NR	NR	0
NPL LIENS	0.250		0	0	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	0.250		0	0	NR	NR	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.250		0	0	NR	NR	NR	0
SEMS	0.250		0	0	NR	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.250		0	0	NR	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	0.250		0	0	NR	NR	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.250		0	0	NR	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.250		0	0	NR	NR	NR	0
US ENG CONTROLS	0.250		0	0	NR	NR	NR	0
US INST CONTROL	0.250		0	0	NR	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	0.250		0	0	NR	NR	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.250		0	0	NR	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LAST	0.250		0	0	NR	NR	NR	0
LUST	0.250		1	1	NR	NR	NR	2
INDIAN LUST	0.250		0	0	NR	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FF TANKS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	1	NR	NR	NR	3
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.250		0	0	NR	NR	NR	0
INST CONTROL	0.250		0	0	NR	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
VCP	0.250		0	0	NR	NR	NR	0
INDIAN VCP	0.250		0	0	NR	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.250		0	0	NR	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.250		0	0	NR	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.250		0	0	NR	NR	NR	0
INDIAN ODI	0.250		0	0	NR	NR	NR	0
ODI	0.250		0	0	NR	NR	NR	0
DEBRIS REGION 9	0.250		0	0	NR	NR	NR	0
IHS OPEN DUMPS	0.250		0	0	NR	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
PRIORITYCLEANERS	0.250		0	0	NR	NR	NR	0
FI Sites	0.250		0	0	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	0.250		0	0	NR	NR	NR	0
DOD	0.250		0	0	NR	NR	NR	0
SCRD DRYCLEANERS	0.250		0	0	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	0.250		0	0	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	0.250		0	0	NR	NR	NR	0
INDIAN RESERV	0.250		0	0	NR	NR	NR	0
FUSRAP	0.250		0	0	NR	NR	NR	0
UMTRA	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	0.250		0	0	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
CLEANUP SITES	TP		NR	NR	NR	NR	NR	0
DEDB	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DWM CONTAM	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
FL Cattle Dip. Vats	0.250		0	0	NR	NR	NR	0
RESP PARTY	0.250		0	0	NR	NR	NR	0
SITE INV SITES	0.250		0	0	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	0.250		0	0	NR	NR	NR	0
---------	-------	--	---	---	----	----	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	4	2	0	0	0	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1
SW
< 1/8
0.004 mi.
20 ft.

SARASOTA YACHT CLUB
1100 JOHN RINGLING BLVD
SARASOTA, FL 34236

LUST **U001373644**
UST **N/A**
Financial Assurance

Relative:
Higher
Actual:
4 ft.

LUST:
 Region: STATE
 Facility Id: 8516507
 Facility Status: OPEN
 Facility Type: V - Marine/Coastal Fuel Storage
 Facility Phone: (941)315-4191
 Facility Cleanup Rank: 12937
 District: South District
 Lat/Long (dms): 27 19 19.567 / 82 34 6.2878
 Section: Not reported
 Township: Not reported
 Range: Not reported
 Feature: Not reported
 Method: ADDM
 Datum: 0
 Score: 6
 Score Effective Date: 2003-02-13 00:00:00
 Score When Ranked: 6
 Operator: AMANDA HOLM, DOCK MASTER
 Name Update: Not reported
 Address Update: 2007-06-06 00:00:00

Petroleum Cleanup PCT Facility Score:

Facility Cleanup Status: CMPL - COMPLETED
 Contact: BERNHARD KLOPPENBURG , GENERAL MGR
 Contact Company: SARASOTA YACHT CLUB
 Contact Address: 1100 JOHN RINGLING BLVD
 Contact City/State/Zip: SARASOTA, FL 34236
 Phone: (941)365-4191
 Bad Address Ind: N
 State: FL
 Zip: 34236
 Score: 6
 Score Effective Date: 2003-02-13 00:00:00
 Related Party ID: 19153
 Primary RP Role: ACCOUNT OWNER
 RP Begin Date: 1991-09-16
 RP Zip: Not reported
 RP Extension: Not reported

Discharge Cleanup Summary:

Discharge Date: 10/11/2002
 PCT Discharge Combined: Not reported
 Cleanup Required: R - CLEANUP REQUIRED
 Discharge Cleanup Status: SRCR - SRCR COMPLETE
 Disch Cleanup Status Date: 8/1/2008
 Cleanup Work Status: COMPLETED
 Information Source: D - DISCHARGE NOTIFICATION
 Other Source Description: B
 Eligibility Indicator: I - INELIGIBLE
 Site Manager: SIMPSON_DH
 Site Mgr End Date: 7/21/2008
 Tank Office: PCLP58 - SARASOTA CNTY AIR QUALITY/STORAGE TANK MGMT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

Contaminated Media:

Discharge Date: 10/11/2002
Pct Discharge Combined With: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: SRCR - SRCR COMPLETE
Disch Cleanup Status Date: 8/1/2008
Cleanup Work Status: COMPLETED
Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: B
Elig Indicator: I - INELIGIBLE
Site Manager: SIMPSON_DH
Site Mgr End Date: 7/21/2008
Tank Office: PCLP58 - SARASOTA CNTY AIR QUA
Contaminated Drinking Wells: 0
Contaminated Monitoring Well: No
Contaminated Soil: Yes
Contaminated Surface Water: No
Contaminated Ground Water: Yes
Pollutant: B - Unleaded Gas
Pollutant Other Description: Not reported
Gallons Discharged: Not reported
Discharge Date: 10/11/2002
Pct Discharge Combined With: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: SRCR - SRCR COMPLETE
Disch Cleanup Status Date: 8/1/2008
Cleanup Work Status: COMPLETED
Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: B
Elig Indicator: I - INELIGIBLE
Site Manager: SIMPSON_DH
Site Mgr End Date: 7/21/2008
Tank Office: PCLP58 - SARASOTA CNTY AIR QUA
Contaminated Drinking Wells: 0
Contaminated Monitoring Well: No
Contaminated Soil: Yes
Contaminated Surface Water: No
Contaminated Ground Water: Yes
Pollutant: D - Vehicular Diesel
Pollutant Other Description: Not reported
Gallons Discharged: Not reported

Task Information:

District: SD
Facility ID: 8516507
Facility Status: OPEN
Facility Type: V - Marine/Coastal Fuel Storage -
County: SARASOTA
County ID: 58
Cleanup Eligibility Status: I
Source Effective Date: 07-18-2008
Discharge Date: 10-11-2002
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: SRCR - SRCR COMPLETE
Disch Cleanup Status Date: 08-01-2008
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT
SRC Submit Date: 05-20-2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

SRC Review Date: 07-18-2008
SRC Completion Status: A - APPROVED
SRC Issue Date: 08-01-2008
SRC Comment: SRCO SENT TO DEP FOR SIGNATURE
Cleanup Work Status: COMPLETED
Site Mgr: SIMPSON_DH
Site Mgr End Date: 07-21-2008
Tank Office: PCLP58 - Sarasota County
SR Task ID: Not reported
SR Cleanup Responsible: -
SR Funding Eligibility Type: -
SR Actual Cost: Not reported
SR Completion Date: Not reported
SR Payment Date: Not reported
SR Oral Date: Not reported
SR Written Date: Not reported
SR Soil Removal: Not reported
SR Free Product Removal: Not reported
SR Soil Tonnage Removed: Not reported
SR Soil Treatment: Not reported
SR Other Treatment: Not reported
SR Alternate Proc Received Date: Not reported
SR Alternate Procedure Status: Not reported
SR Alternate Procedure Status Date: Not reported
SR Alternate Procedure Comments: Not reported
SA Task ID: 69842
SA Cleanup Responsible: -
SA Funding Eligibility Type: -
SA Actual Cost: Not reported
SA Completion Date: Not reported
SA Payment Date: Not reported
RAP Task ID: Not reported
RAP Cleanup Responsible ID: -
RAP Funding Eligibility Type: -
RAP Actual Cost: Not reported
RAP Completion Date: Not reported
RAP Payment Date: Not reported
RAP Last Order Approved: Not reported
RA Task ID: 78328
RA Cleanup Responsible: -
RA Funding Eligibility Type: -
RA Years to Complete: 0
RA Actual Cost: Not reported

[Click here for Florida Oculus:](#)

UST:

Facility Id: 8516507
Facility Status: OPEN
Type Description: Marine/Coastal Fuel Storage
Facility Phone: 9413154191
Region: STATE
Positioning Method: ADDM
Lat/Long (dms): 27 19 19 / 82 34 6

Owner:

Owner Id: 19153

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address 2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Owner Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Owner Phone: 9413654191

Tank Info:

Name: SARASOTA YACHT CLUB
Address: 1100 JOHN RINGLING BLVD
City: SARASOTA
Zip: 34236
Tank Id: 1
Status: Removed
Status Date: Not reported
Install Date: Not reported
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Gallons: 1000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Name: SARASOTA YACHT CLUB
Address: 1100 JOHN RINGLING BLVD
City: SARASOTA
Zip: 34236
Tank Id: 2
Status: Removed
Status Date: Not reported
Install Date: Not reported
Substance: Leaded gas
Content Description: Leaded Gas
Gallons: 1000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Name: SARASOTA YACHT CLUB
Address: 1100 JOHN RINGLING BLVD
City: SARASOTA
Zip: 34236
Tank Id: 3
Status: Removed
Status Date: Not reported
Install Date: Not reported
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Gallons: 1000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Name: SARASOTA YACHT CLUB
Address: 1100 JOHN RINGLING BLVD
City: SARASOTA
Zip: 34236

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

Tank Id: 4
Status: Removed
Status Date: 07/01/2002
Install Date: 3/1/1986
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Gallons: 4000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Name: SARASOTA YACHT CLUB
Address: 1100 JOHN RINGLING BLVD
City: SARASOTA
Zip: 34236
Tank Id: 5
Status: Removed
Status Date: 07/01/2002
Install Date: 3/1/1986
Substance: Unleaded gas
Content Description: Unleaded Gas
Gallons: 2000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Name: SARASOTA YACHT CLUB
Address: 1100 JOHN RINGLING BLVD
City: SARASOTA
Zip: 34236
Tank Id: 6
Status: In service
Status Date: 07/01/2002
Install Date: 7/1/2002
Substance: Unleaded gas
Content Description: Unleaded Gas
Gallons: 12000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

Construction:

Tank Id: 6
Construction Category: Primary Construction
Construction Description: Fiberglass clad steel

Tank Id: 6
Construction Category: Secondary Containment
Construction Description: Double wall - tank jacket

Tank Id: 6
Construction Category: Overfill/Spill
Construction Description: Spill containment bucket

Tank Id: 6
Construction Category: Overfill/Spill
Construction Description: Flow shut-Off

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

Tank Id: 6
Construction Category: Miscellaneous Attributes
Construction Description: Compartmented

Tank Id: 6
Construction Category: Overfill/Spill
Construction Description: Tight fill

Monitoring:
Tank ID: 6
Monitoring Description: Monitor dbl wall tank space

Tank ID: 6
Monitoring Description: Monitor dbl wall pipe space

Tank ID: 6
Monitoring Description: Mechanical line leak detector

Tank ID: 6
Monitoring Description: Visual inspect pipe sumps

Tank ID: 6
Monitoring Description: Visual inspect dispenser liners

Piping:
Tank ID: 6
Piping Category: Primary Construction
Piping Description: Approved synthetic material

Tank ID: 6
Piping Category: Miscellaneous Attributes
Piping Description: Pressurized piping system

Tank ID: 6
Piping Category: Secondary Containment
Piping Description: Double wall

Tank ID: 6
Piping Category: Primary Construction
Piping Description: Fiberglass

Tank ID: 6
Piping Category: Miscellaneous Attributes
Piping Description: Dispenser liners

[Click here for Florida Oculus:](#)

FL Financial Assurance 3:

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: ACE
Effective Date: 05/03/2009
Expire Date: 05/03/2010
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: ACE
Effective Date: 05/03/2010
Expire Date: 05/03/2011
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: ACE
Effective Date: 05/03/2011
Expire Date: 05/03/2012
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: ACE
Effective Date: 06/21/2012
Expire Date: 06/21/2013
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: ACE
Effective Date: 06/21/2013
Expire Date: 06/21/2014
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: ACE
Effective Date: 06/21/2014
Expire Date: 06/21/2015
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 03/03/2016
Expire Date: 03/03/2017
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 03/03/2017
Expire Date: 03/03/2019
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 06/21/2015
Expire Date: 06/21/2016
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

Region: 3
Facility ID: 8516507
Facility Phone: 9413154191
Facility Status: OPEN
Facility Type: V
Type Description: Marine/Coastal Fuel Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARASOTA YACHT CLUB (Continued)

U001373644

DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: ILLINOIS UNION
Effective Date: 05/03/2008
Expire Date: 05/03/2009
Owner ID: 19153
Owner Name: SARASOTA YACHT CLUB
Owner Address: 1100 JOHN RINGLING BLVD
Owner Address2: Not reported
Owner City,St,Zip: SARASOTA, FL 34236
Contact: BERNHARD KLOPPENBURG , GENERAL MGR
Resp Party Phone: 9413654191

2
SW
< 1/8
0.092 mi.
488 ft.

PLYMOUTH HARBOR ON SARASOTA BAY
700 JOHN RINGLING BLVD
SARASOTA, FL 34236

UST U002113565
AST N/A
ASBESTOS
Financial Assurance
NPDES

Relative:
Higher
Actual:
4 ft.

UST:
Facility Id: 9500095
Facility Status: OPEN
Type Description: Fuel user/Non-retail
Facility Phone: 9413617520
Region: STATE
Positioning Method: AGPS
Lat/Long (dms): 27 19 14 / 82 34 12

Owner:
Owner Id: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address 2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Owner Contact: MARTY MARTEL
Owner Phone: 9413617219

Tank Info:
Name: PLYMOUTH HARBOR ON SARASOTA BAY
Address: 700 JOHN RINGLING BLVD
City: SARASOTA
Zip: 34236
Tank Id: 1
Status: Closed in place
Status Date: 05/12/1997
Install Date: 6/1/1987
Substance: Diesel-emergen generator
Content Description: Emerg Generator Diesel
Gallons: 2000
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: C

[Click here for Florida Oculus:](#)

AST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Name: PLYMOUTH HARBOR ON SARASOTA BAY
Address: 700 JOHN RINGLING BLVD
Facility ID: 9500095
Facility Status: OPEN
Type Description: Fuel user/Non-retail
Facility Phone: 9413617520
DEP Contractor Own: C
Region: STATE
Positioning Method: AGPS
Lat/Long (dms): 27 19 14 / 82 34 12

Owner:

Owner Id: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address 2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Owner Contact: MARTY MARTEL
Owner Phone: 9413617219

Tank Id: 3
Status: In service
Status Date: 08/28/2018
Install Date: 8/28/2018
Substance: I
Content Description: Ultra Low Sulfur Diesel
Gallons: 8000
Tank Location: ABOVEGROUND

Construction:

Tank Id: 3
Construction Category: Overfill/Spill
Construction Description: Ball check valve

Tank Id: 3
Construction Category: Primary Construction
Construction Description: Steel

Tank Id: 3
Construction Category: Overfill/Spill
Construction Description: Flow shut-Off

Tank Id: 3
Construction Category: Overfill/Spill
Construction Description: Level gauges/alarms

Tank Id: 3
Construction Category: Secondary Containment
Construction Description: Double wall

Monitoring:

Tank ID: 3
Monitoring Description: Vapor monitoring

Tank ID: 3
Monitoring Description: Monitor tank bottom space

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Tank ID: 3
Monitoring Description: Monitor dbl wall pipe space

Tank ID: 3
Monitoring Description: None

Tank ID: 3
Monitoring Description: Monitor dbl wall tank space

Tank ID: 3
Monitoring Description: SPCC Plan

Piping:

Tank ID: 3
Piping Category: Secondary Containment
Piping Description: Double wall

Tank ID: 3
Piping Category: Corrosion Protection
Piping Description: External protective coating

Tank ID: 3
Piping Category: Primary Construction
Piping Description: Steel/galvanized metal

Tank ID: 3
Piping Category: Miscellaneous Attributes
Piping Description: Abv, no soil contact

Tank Id: 2
Status: Removed
Status Date: 08/28/2018
Install Date: 5/1/1997
Substance: Diesel-emergen generator
Content Description: Emerg Generator Diesel
Gallons: 3000
Tank Location: ABOVEGROUND

[Click here for Florida Oculus:](#)

ASBESTOS:

Name: PLYMOUTH HARBOR
Address: 700 JOHN RINGLING BLVD.
City,State,Zip: SARASOTA, FL 34236
Facility ID: AS11502394
Notification ID: 87258
Notification Type: ORIGINAL
Project Type: DEMOLITION
Notification Status: REVIEWED
Site Name: COOLING TOWER
Ordered Demolition?: N
Annual Notification: Not reported
Owner Name: PLYMOUTH HARBOR, INC.
Contractor Name: WILLIS A SMITH CONSTRUCTION INC
Start Date: 03/30/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Finish Date:	04/15/2016
Cementitious RACM:	Not reported
Cementitious SF:	Not reported
Floor RACM:	Not reported
Floor SF:	Not reported
Pipe RACM:	Not reported
Pipe SF:	Not reported
CF RACM:	Not reported
Roof RACM:	Not reported
Roof SF:	Not reported
Surface Mat RACM:	Not reported
Surface Mat SF:	Not reported
Waste Disposal Site:	Not reported
Waste Disposal Address:	Not reported
Waste Disposal City:	Not reported
Waste Disposal State:	Not reported
Waste Disposal Zip:	Not reported
Transporter Name:	Not reported
Contractor is Transporter:	Not reported
Waste Disp ID:	Not reported
Waste Disp Source:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	FL
Transporter Zip:	Not reported
Date Receive:	Not reported
Name:	PLYMOUTH HARBOR
Address:	700 JOHN RINGLING BLVD.
City,State,Zip:	SARASOTA, FL 34236
Facility ID:	AS11502394
Notification ID:	69814
Notification Type:	ORIGINAL
Project Type:	RENOVATION
Notification Status:	REVIEWED
Site Name:	UNIT T403
Ordered Demolition?:	N
Annual Notification:	Not reported
Owner Name:	PLYMOUTH HARBOR, INC.
Contractor Name:	ENVIRONMENTAL CONSTRUCTION, INC.
Start Date:	09/18/2012
Finish Date:	09/21/2012
Cementitious RACM:	N
Cementitious SF:	Not reported
Floor RACM:	N
Floor SF:	Not reported
Pipe RACM:	Y
Pipe SF:	Not reported
CF RACM:	Not reported
Roof RACM:	N
Roof SF:	Not reported
Surface Mat RACM:	Y
Surface Mat SF:	1000
Waste Disposal Site:	ADVANCED DISPOSAL
Waste Disposal Address:	4000 KNIGHTS TRAIL
Waste Disposal City:	SARASOTA
Waste Disposal State:	FL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Waste Disposal Zip: 34275
Transporter Name: Not reported
Contractor is Transporter: Y
Waste Disp ID: 847
Waste Disp Source: A
Transporter Address: Not reported
Transporter City: Not reported
Transporter State: Not reported
Transporter Zip: Not reported
Date Receive: Not reported

Name: PLYMOUTH HARBOR
Address: 700 JOHN RINGLING BLVD.
City,State,Zip: SARASOTA, FL 34236
Facility ID: AS11502394
Notification ID: 75550
Notification Type: ORIGINAL
Project Type: RENOVATION
Notification Status: COMPLETE
Site Name: T1103
Ordered Demolition?: N
Annual Notification: Not reported
Owner Name: PLYMOUTH HARBOR, INC.
Contractor Name: ENVIRONMENTAL CONSTRUCTION, INC.
Start Date: 01/23/2014
Finish Date: 01/24/2014
Cementitious RACM: Not reported
Cementitious SF: Not reported
Floor RACM: Not reported
Floor SF: 100
Pipe RACM: Not reported
Pipe SF: Not reported
CF RACM: Not reported
Roof RACM: Not reported
Roof SF: Not reported
Surface Mat RACM: Not reported
Surface Mat SF: 500
Waste Disposal Site: ADVANCED DISPOSAL
Waste Disposal Address: 4000 KNIGHTS TRAIL
Waste Disposal City: SARASOTA
Waste Disposal State: FL
Waste Disposal Zip: 34275
Transporter Name: Not reported
Contractor is Transporter: Y
Waste Disp ID: 847
Waste Disp Source: A
Transporter Address: Not reported
Transporter City: Not reported
Transporter State: FL
Transporter Zip: Not reported
Date Receive: Not reported

Name: PLYMOUTH HARBOR
Address: 700 JOHN RINGLING BLVD.
City,State,Zip: SARASOTA, FL 34236
Facility ID: AS11502394
Notification ID: 70720

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Notification Type:	ORIGINAL
Project Type:	RENOVATION
Notification Status:	REVIEWED
Site Name:	700 JOHN RINGLING BLVD # 2105
Ordered Demolition?:	N
Annual Notification:	Not reported
Owner Name:	PLYMOUTH HARBOR, INC.
Contractor Name:	ENVIRONMENTAL CONSTRUCTION, INC.
Start Date:	12/31/2012
Finish Date:	01/04/2013
Cementitious RACM:	N
Cementitious SF:	Not reported
Floor RACM:	N
Floor SF:	Not reported
Pipe RACM:	Y
Pipe SF:	100
CF RACM:	Not reported
Roof RACM:	N
Roof SF:	Not reported
Surface Mat RACM:	Y
Surface Mat SF:	900
Waste Disposal Site:	ADVANCED DISPOSAL
Waste Disposal Address:	4000 KNIGHTS TRAIL
Waste Disposal City:	SARASOTA
Waste Disposal State:	FL
Waste Disposal Zip:	34275
Transporter Name:	Not reported
Contractor is Transporter:	Y
Waste Disp ID:	847
Waste Disp Source:	A
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Transporter Zip:	Not reported
Date Receive:	Not reported
Name:	PLYMOUTH HARBOR
Address:	700 JOHN RINGLING BLVD.
City,State,Zip:	SARASOTA, FL 34236
Facility ID:	AS11502394
Notification ID:	74257
Notification Type:	REVISED
Project Type:	RENOVATION
Notification Status:	REVIEWED
Site Name:	UNIT T1114
Ordered Demolition?:	N
Annual Notification:	Not reported
Owner Name:	PLYMOUTH HARBOR, INC.
Contractor Name:	ENVIRONMENTAL CONSTRUCTION, INC.
Start Date:	10/14/2013
Finish Date:	10/18/2013
Cementitious RACM:	Not reported
Cementitious SF:	Not reported
Floor RACM:	Not reported
Floor SF:	Not reported
Pipe RACM:	Not reported
Pipe SF:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

CF RACM:	Not reported
Roof RACM:	Not reported
Roof SF:	Not reported
Surface Mat RACM:	Not reported
Surface Mat SF:	900
Waste Disposal Site:	ADVANCED DISPOSAL
Waste Disposal Address:	4000 KNIGHTS TRAIL
Waste Disposal City:	SARASOTA
Waste Disposal State:	FL
Waste Disposal Zip:	34275
Transporter Name:	Not reported
Contractor is Transporter:	Y
Waste Disp ID:	847
Waste Disp Source:	A
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	FL
Transporter Zip:	Not reported
Date Receive:	Not reported
Name:	PLYMOUTH HARBOR
Address:	700 JOHN RINGLING BLVD.
City,State,Zip:	SARASOTA, FL 34236
Facility ID:	AS11502394
Notification ID:	75245
Notification Type:	ORIGINAL
Project Type:	RENOVATION
Notification Status:	REVIEWED
Site Name:	UNIT T2107
Ordered Demolition?:	N
Annual Notification:	Not reported
Owner Name:	PLYMOUTH HARBOR, INC.
Contractor Name:	ENVIRONMENTAL CONSTRUCTION, INC.
Start Date:	12/19/2013
Finish Date:	12/24/2013
Cementitious RACM:	Not reported
Cementitious SF:	Not reported
Floor RACM:	Not reported
Floor SF:	Not reported
Pipe RACM:	Not reported
Pipe SF:	Not reported
CF RACM:	Not reported
Roof RACM:	Not reported
Roof SF:	Not reported
Surface Mat RACM:	Not reported
Surface Mat SF:	500
Waste Disposal Site:	ADVANCED DISPOSAL
Waste Disposal Address:	4000 KNIGHTS TRAIL
Waste Disposal City:	SARASOTA
Waste Disposal State:	FL
Waste Disposal Zip:	34275
Transporter Name:	Not reported
Contractor is Transporter:	Y
Waste Disp ID:	847
Waste Disp Source:	A
Transporter Address:	Not reported
Transporter City:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Transporter State:	FL
Transporter Zip:	Not reported
Date Receive:	Not reported
Name:	PLYMOUTH HARBOR
Address:	700 JOHN RINGLING BLVD.
City,State,Zip:	SARASOTA, FL 34236
Facility ID:	AS11502394
Notification ID:	73436
Notification Type:	ORIGINAL
Project Type:	RENOVATION
Notification Status:	REVIEWED
Site Name:	UNIT T1910
Ordered Demolition?:	N
Annual Notification:	Not reported
Owner Name:	PLYMOUTH HARBOR, INC.
Contractor Name:	ENVIRONMENTAL CONSTRUCTION, INC.
Start Date:	07/29/2013
Finish Date:	08/02/2013
Cementitious RACM:	Not reported
Cementitious SF:	Not reported
Floor RACM:	Not reported
Floor SF:	Not reported
Pipe RACM:	Not reported
Pipe SF:	Not reported
CF RACM:	Not reported
Roof RACM:	Not reported
Roof SF:	Not reported
Surface Mat RACM:	Not reported
Surface Mat SF:	900
Waste Disposal Site:	ADVANCED DISPOSAL
Waste Disposal Address:	4000 KNIGHTS TRAIL
Waste Disposal City:	SARASOTA
Waste Disposal State:	FL
Waste Disposal Zip:	34275
Transporter Name:	Not reported
Contractor is Transporter:	Y
Waste Disp ID:	847
Waste Disp Source:	A
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	FL
Transporter Zip:	Not reported
Date Receive:	Not reported
Name:	PLYMOUTH HARBOR
Address:	700 JOHN RINGLING BLVD.
City,State,Zip:	SARASOTA, FL 34236
Facility ID:	AS11502394
Notification ID:	74256
Notification Type:	ORIGINAL
Project Type:	RENOVATION
Notification Status:	REVIEWED
Site Name:	UNIT E309
Ordered Demolition?:	N
Annual Notification:	Not reported
Owner Name:	PLYMOUTH HARBOR, INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Contractor Name:	ENVIROREM
Start Date:	09/26/2013
Finish Date:	09/27/2013
Cementitious RACM:	Not reported
Cementitious SF:	Not reported
Floor RACM:	Not reported
Floor SF:	Not reported
Pipe RACM:	Not reported
Pipe SF:	Not reported
CF RACM:	Not reported
Roof RACM:	Not reported
Roof SF:	Not reported
Surface Mat RACM:	Not reported
Surface Mat SF:	500
Waste Disposal Site:	Not reported
Waste Disposal Address:	Not reported
Waste Disposal City:	Not reported
Waste Disposal State:	Not reported
Waste Disposal Zip:	Not reported
Transporter Name:	Not reported
Contractor is Transporter:	Not reported
Waste Disp ID:	Not reported
Waste Disp Source:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	FL
Transporter Zip:	Not reported
Date Receive:	Not reported
Name:	PLYMOUTH HARBOR
Address:	700 JOHN RINGLING BLVD.
City,State,Zip:	SARASOTA, FL 34236
Facility ID:	AS11502394
Notification ID:	65368
Notification Type:	REVISED
Project Type:	RENOVATION
Notification Status:	REVIEWED
Site Name:	UNIT T1405
Ordered Demolition?:	N
Annual Notification:	Not reported
Owner Name:	PLYMOUTH HARBOR, INC.
Contractor Name:	ENVIRONMENTAL CONSTRUCTION, INC.
Start Date:	01/16/2012
Finish Date:	01/20/2012
Cementitious RACM:	N
Cementitious SF:	Not reported
Floor RACM:	N
Floor SF:	Not reported
Pipe RACM:	Y
Pipe SF:	Not reported
CF RACM:	Not reported
Roof RACM:	N
Roof SF:	Not reported
Surface Mat RACM:	Y
Surface Mat SF:	1600
Waste Disposal Site:	ADVANCED DISPOSAL
Waste Disposal Address:	4000 KNIGHTS TRAIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Waste Disposal City: SARASOTA
Waste Disposal State: FL
Waste Disposal Zip: 34275
Transporter Name: Not reported
Contractor is Transporter: Y
Waste Disp ID: 847
Waste Disp Source: A
Transporter Address: Not reported
Transporter City: Not reported
Transporter State: Not reported
Transporter Zip: Not reported
Date Receive: Not reported

FL Financial Assurance 3:

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C
Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 11/21/2008
Expire Date: 11/21/2009
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C
Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 11/21/2009
Expire Date: 11/21/2010
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 11/21/2010
Expire Date: 11/21/2011
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C
Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 11/21/2011
Expire Date: 11/21/2012
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C
Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 11/21/2012
Expire Date: 11/21/2013
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 11/21/2013
Expire Date: 11/21/2015
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C
Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY
Effective Date: 11/21/2018
Expire Date: 11/21/2019
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

Region: 3
Facility ID: 9500095
Facility Phone: 9413617520
Facility Status: OPEN
Facility Type: C
Type Description: Fuel user/Non-retail
DEP CO: C
Financial Responsibility: INSURANCE
Insurance Company: COMMERCE & INDUSTRY INSURANCE CO
Effective Date: 11/21/2015
Expire Date: 11/21/2018
Owner ID: 38303
Owner Name: PLYMOUTH HARBOR INC
Owner Address: 700 JOHN RINGLING BLVD
Owner Address2: ATTN: MARTY MARTEL
Owner City,St,Zip: SARASOTA, FL 34236
Contact: MARTY MARTEL
Resp Party Phone: 9413617219

WASTEWATER:
Name: COON KEY
Address: 700 JOHN RINGLING BLVD
City,State,Zip: SARASOTA, FL
Facility ID: FLR20CR49

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Facility Type: Construction Generic Dewatering
Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

District Office: TLST
NPDES Permitted Site: Not reported
Environmental Interest: Not reported
Owner Type: Private
Permit Capacity: Not reported
Party Name: Kevin Lane, PMTE
Company Name: Spectrum Underground, Inc.
RP Address: 5802 Bee Ridge Rd
RP Address 2: Ste 101
RP City,Stat,Zip: Sarasota FL 34233-5069
Telephone: 9413426708
Email: kevinlane@masterrockllc.com
Issue Date: 03/03/2019
Effective Date: 03/03/2019
Expiration Date: 03/02/2024
DOC Description: Generic Permit
Latitude Degrees: 27
Latitude Minutes: 19
Latitude Seconds: 18.88
Longitude Degrees: 82
Longitude Minutes: 34
Longitude Seconds: 14.16
Treatment: Not reported
Decode For Fstatus: Active

Name: PLYMOUTH HARBOR COOLING TOWER AND ALF EXPANSION
Address: 700 JOHN RINGLING BLVD
City,State,Zip: SARASOTA, FL
Facility ID: FLR20AF18
Facility Type: Construction Generic Dewatering
Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

District Office: TLST
NPDES Permitted Site: Not reported
Environmental Interest: Not reported
Owner Type: Private
Permit Capacity: Not reported
Party Name: Bradley Ellender, Project Manager
Company Name: Willis A Smith Construction, Inc.
RP Address: 5001 Lakewood Ranch Blvd N
RP Address 2: Not reported
RP City,Stat,Zip: Lakewood Ranch FL 34240-8621
Telephone: 9413663116
Email: bellender@willissmith.com
Issue Date: 07/03/2015
Effective Date: 07/03/2015
Expiration Date: 07/02/2020
DOC Description: Generic Permit
Latitude Degrees: 27
Latitude Minutes: 19
Latitude Seconds: 16.87
Longitude Degrees: 82

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PLYMOUTH HARBOR ON SARASOTA BAY (Continued)

U002113565

Longitude Minutes: 34
Longitude Seconds: 7.751
Treatment: Not reported
Decode For Fstatus: Active

3
East
1/8-1/4
0.221 mi.
1166 ft.

HARRIS RESIDENCE
243 ROBIN DR
SARASOTA, FL 34236

LUST U002038389
UST N/A

Relative:
Higher

Actual:
4 ft.

LUST:
Region: STATE
Facility Id: 9401473
Facility Status: CLOSED
Facility Type: B - Residential
Facility Phone: (708)615-0200
Facility Cleanup Rank: 11086
District: South District
Lat/Long (dms): 27 19 25.3519 / 82 33 35.2037
Section: Not reported
Township: Not reported
Range: Not reported
Feature: Not reported
Method: ADDM
Datum: Not reported
Score: 9
Score Effective Date: 2001-04-24 00:00:00
Score When Ranked: 9
Operator: Not reported
Name Update: Not reported
Address Update: Not reported

Petroleum Cleanup PCT Facility Score:

Facility Cleanup Status: CMPL - COMPLETED
Contact: DAVID HARRIS
Contact Company: HARRIS, DAVID
Contact Address: 190 AHWAHNEE RD
Contact City/State/Zip: LAKE FOREST, IL 60045
Phone: (708)615-0200
Bad Address Ind: N
State: FL
Zip: 34236
Score: 9
Score Effective Date: 2001-04-24 00:00:00
Related Party ID: 37611
Primary RP Role: ACCOUNT OWNER
RP Begin Date: 1994-08-18
RP Zip: Not reported
RP Extension: Not reported

Discharge Cleanup Summary:

Discharge Date: 5/19/1994
PCT Discharge Combined: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 10/23/2006
Cleanup Work Status: COMPLETED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARRIS RESIDENCE (Continued)

U002038389

Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: Not reported
Eligibility Indicator: I - INELIGIBLE
Site Manager: MURRAY_S
Site Mgr End Date: 10/3/2006
Tank Office: PCLP58 - SARASOTA CNTY AIR QUALITY/STORAGE TANK MGMT

Contaminated Media:
Discharge Date: 5/19/1994
Pct Discharge Combined With: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 10/23/2006
Cleanup Work Status: COMPLETED
Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: Not reported
Elig Indicator: I - INELIGIBLE
Site Manager: MURRAY_S
Site Mgr End Date: 10/3/2006
Tank Office: PCLP58 - SARASOTA CNTY AIR QUA
Contaminated Drinking Wells: 0
Contaminated Monitoring Well: Yes
Contaminated Soil: Yes
Contaminated Surface Water: No
Contaminated Ground Water: No
Pollutant: M - Fuel Oil - Onsite Heat
Pollutant Other Description: Not reported
Gallons Discharged: Not reported

Task Information:
District: SD
Facility ID: 9401473
Facility Status: CLOSED
Facility Type: B - Residential -
County: SARASOTA
County ID: 58
Cleanup Eligibility Status: I
Source Effective Date: 09-29-2006
Discharge Date: 05-19-1994
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 10-23-2006
SRC Action Type: NFA - NO FURTHER ACTION
SRC Submit Date: 08-30-2006
SRC Review Date: 09-29-2006
SRC Completion Status: A - APPROVED
SRC Issue Date: 10-23-2006
SRC Comment: SUBMITTED TO DEP FOR SIGNATURE
Cleanup Work Status: COMPLETED
Site Mgr: MURRAY_S
Site Mgr End Date: 10-03-2006
Tank Office: PCLP58 - Sarasota County
SR Task ID: Not reported
SR Cleanup Responsible: -
SR Funding Eligibility Type: -
SR Actual Cost: Not reported
SR Completion Date: Not reported
SR Payment Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARRIS RESIDENCE (Continued)

U002038389

SR Oral Date: Not reported
SR Written Date: Not reported
SR Soil Removal: Not reported
SR Free Product Removal: Not reported
SR Soil Tonnage Removed: Not reported
SR Soil Treatment: Not reported
SR Other Treatment: Not reported
SR Alternate Proc Received Date: Not reported
SR Alternate Procedure Status: Not reported
SR Alternate Procedure Status Date: Not reported
SR Alternate Procedure Comments: Not reported
SA Task ID: 57976
SA Cleanup Responsible: -
SA Funding Eligibility Type: -
SA Actual Cost: Not reported
SA Completion Date: Not reported
SA Payment Date: Not reported
RAP Task ID: Not reported
RAP Cleanup Responsible ID: -
RAP Funding Eligibility Type: -
RAP Actual Cost: Not reported
RAP Completion Date: Not reported
RAP Payment Date: Not reported
RAP Last Order Approved: Not reported
RA Task ID: 79851
RA Cleanup Responsible: -
RA Funding Eligibility Type: -
RA Years to Complete: 0
RA Actual Cost: Not reported

[Click here for Florida Oculus:](#)

UST:

Facility Id: 9401473
Facility Status: CLOSED
Type Description: Residential
Facility Phone: 7086150200
Region: STATE
Positioning Method: ADDM
Lat/Long (dms): 27 19 25.6692 / 82 33 35.8812

Owner:

Owner Id: 37611
Owner Name: HARRIS, DAVID
Owner Address: 190 AHWAHNEE RD
Owner Address 2: Not reported
Owner City,St,Zip: LAKE FOREST, IL 60045
Owner Contact: DAVID HARRIS
Owner Phone: 7086150200

Tank Info:

Name: HARRIS RESIDENCE
Address: 243 ROBIN DR
City: SARASOTA
Zip: 34236
Tank Id: 1
Status: Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARRIS RESIDENCE (Continued)

U002038389

Status Date: 05/01/1994
Install Date: Not reported
Substance: Fuel oil-on site heat
Content Description: Fuel Oil - Onsite Heat
Gallons: 300
Vessel Indicator: TANK
Tank Location: UNDERGROUND
DEP Contractor: P

[Click here for Florida Oculus:](#)

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: N/A
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 01/03/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: N/A
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 01/03/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 800-424-9346
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 01/03/2020
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019	Source: EPA
Date Data Arrived at EDR: 12/16/2019	Telephone: 800-424-9346
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (404) 562-8651
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (404) 562-8651
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (404) 562-8651
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (404) 562-8651
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019	Source: Department of the Navy
Date Data Arrived at EDR: 08/20/2019	Telephone: 843-820-7326
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019

Date Data Arrived at EDR: 09/09/2019

Date Made Active in Reports: 09/23/2019

Number of Days to Update: 14

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/19/2019

Next Scheduled EDR Contact: 04/06/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Florida's State-Funded Action Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/06/2018

Date Data Arrived at EDR: 02/20/2019

Date Made Active in Reports: 03/12/2019

Number of Days to Update: 20

Source: Department of Environmental Protection

Telephone: 850-488-0190

Last EDR Contact: 11/22/2019

Next Scheduled EDR Contact: 03/02/2020

Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/15/2019

Date Data Arrived at EDR: 10/16/2019

Date Made Active in Reports: 12/19/2019

Number of Days to Update: 64

Source: Department of Environmental Protection

Telephone: 850-922-7121

Last EDR Contact: 10/16/2019

Next Scheduled EDR Contact: 01/27/2020

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Petroleum Contamination Detail Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/28/2019

Date Data Arrived at EDR: 10/29/2019

Date Made Active in Reports: 01/06/2020

Number of Days to Update: 69

Source: Department of Environmental Protection

Telephone: 850-245-8839

Last EDR Contact: 10/29/2019

Next Scheduled EDR Contact: 02/10/2020

Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Listing

The file for Leaking Aboveground Storage Tanks. Please remember STCM does not track the source of the discharge so the agency provides a list of facilities with an aboveground tank and an open discharge split by facilities with aboveground tanks only and facilities with aboveground and underground tanks.

Date of Government Version: 08/01/2019

Date Data Arrived at EDR: 08/02/2019

Date Made Active in Reports: 08/06/2019

Number of Days to Update: 4

Source: Department of Environmental Protection

Telephone: 850-245-8799

Last EDR Contact: 10/25/2019

Next Scheduled EDR Contact: 02/10/2020

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2019	Telephone: 206-553-2857
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019	Source: EPA Region 1
Date Data Arrived at EDR: 07/29/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 07/30/2019	Telephone: 312-886-7439
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-6597
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3372
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019	Source: EPA Region 7
Date Data Arrived at EDR: 10/16/2019	Telephone: 913-551-7003
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 12/16/2020
Number of Days to Update: 8	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019	Source: EPA Region 4
Date Data Arrived at EDR: 07/29/2019	Telephone: 404-562-8677
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/03/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

FF TANKS: Federal Facilities Listing

A listing of federal facilities with storage tanks.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/22/2019
Number of Days to Update: 59

Source: Department of Environmental Protection
Telephone: 850-245-8250
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

UST: Storage Tank Facility Information

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 10/31/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

AST: Storage Tank Facility Information

Registered Aboveground Storage Tanks.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 10/31/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019	Source: EPA Region 7
Date Data Arrived at EDR: 07/29/2019	Telephone: 913-551-7003
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019	Source: EPA Region 8
Date Data Arrived at EDR: 10/22/2019	Telephone: 303-312-6137
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019	Source: EPA Region 9
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3368
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-7591
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 07/30/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019	Source: EPA Region 4
Date Data Arrived at EDR: 07/29/2019	Telephone: 404-562-9424
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/03/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019	Source: EPA Region 5
Date Data Arrived at EDR: 07/29/2019	Telephone: 312-886-6136
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

TANKS: Storage Tank Facility List

This listing includes storage tank facilities that do not have tank information. The tanks have either be closed or removed from the site, but the facilities were still registered at some point in history.

Date of Government Version: 10/30/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/31/2019	Telephone: 850-245-8841
Date Made Active in Reports: 01/09/2020	Last EDR Contact: 10/25/2019
Number of Days to Update: 70	Next Scheduled EDR Contact: 02/10/2020
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENG CONTROLS: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

Date of Government Version: 09/28/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/01/2019	Telephone: 850-245-8927
Date Made Active in Reports: 12/04/2019	Last EDR Contact: 01/08/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Semi-Annually

Inst Control: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

Date of Government Version: 09/28/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/01/2019	Telephone: 850-245-8927
Date Made Active in Reports: 12/04/2019	Last EDR Contact: 10/01/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites

Listing of closed and active voluntary cleanup sites.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Database

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 12/04/2019
Number of Days to Update: 64

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 12/30/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

BSRA: Brownfield Site Rehabilitation Agreements Listing

The BSRA provides DEP and the public assurance that site rehabilitation will be conducted in accordance with Florida Statutes and DEP's Contaminated Site Cleanup Criteria rule. In addition, the BSRA provides limited liability protection for the voluntary responsible party. The BSRA contains various commitments by the voluntary responsible party, including milestones for completion of site rehabilitation tasks and submittal of technical reports and plans. It also contains a commitment by DEP to review technical reports according to an agreed upon schedule. Only those brownfield sites with an executed BSRA are eligible to apply for a voluntary cleanup tax credit incentive pursuant to Section 376.30781, Florida Statutes.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 12/09/2019
Number of Days to Update: 66

Source: Department of Environmental Protection
Telephone: 850-245-8934
Last EDR Contact: 12/29/2019
Next Scheduled EDR Contact: 04/12/2020
Data Release Frequency: Varies

BROWNFIELDS AREAS: Brownfields Areas Database

A "brownfield area" means a contiguous area of one or more brownfield sites, some of which may not be contaminated, that has been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and Environmental Protection Agency (EPA) designated brownfield pilot projects. This layer provides a polygon representation of the boundaries of these designated Brownfield Areas in Florida.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 12/04/2019
Number of Days to Update: 64

Source: Department of Environmental Protection
Telephone: 850-245-8934
Last EDR Contact: 12/30/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/04/2019	Telephone: 202-566-2777
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/30/2020
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Centers

A listing of recycling centers located in the state of Florida.

Date of Government Version: 12/03/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/15/2019	Telephone: 850-245-8718
Date Made Active in Reports: 03/14/2019	Last EDR Contact: 10/18/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 10/28/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/10/2020
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/17/2019
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

PRIORITYCLEANERS: Priority Ranking List

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 72

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

FL SITES: Sites List

This summary status report was developed from a number of lists including the Eckhardt list, the Moffitt list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

Date of Government Version: 12/31/1989
Date Data Arrived at EDR: 05/09/1994
Date Made Active in Reports: 08/04/1994
Number of Days to Update: 87

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 03/24/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

PFAS: PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 69

Source: Department of Environmental Protection
Telephone: 850-245-8690
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/07/2019	Telephone: 202-564-6023
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 01/03/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/06/2019
Number of Days to Update: 89	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

SPILLS: Oil and Hazardous Materials Incidents

Statewide oil and hazardous materials inland incidents.

Date of Government Version: 10/03/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/03/2019	Telephone: 850-245-2010
Date Made Active in Reports: 12/06/2019	Last EDR Contact: 01/06/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/10/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/04/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 60	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/01/2001	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/09/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 10/31/2019
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 11/08/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/20/2019
Number of Days to Update: 198	Next Scheduled EDR Contact: 03/30/2020
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017	Source: EPA
Date Data Arrived at EDR: 11/16/2018	Telephone: 202-566-0250
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 370	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018	Source: EPA
Date Data Arrived at EDR: 04/24/2019	Telephone: 202-564-4203
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/23/2019
Number of Days to Update: 106	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 703-416-0223
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 01/03/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2019	Telephone: 202-564-8600
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 10/21/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 202-564-6023
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 01/03/2020
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/06/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/04/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/25/2019
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 11/06/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/20/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 07/31/2019	Telephone: 202-366-4595
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 10/29/2019
Number of Days to Update: 85	Next Scheduled EDR Contact: 02/10/2020
	Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 10/09/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 72

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 09/17/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 76

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/27/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 11/22/2019
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019	Source: Department of Interior
Date Data Arrived at EDR: 09/10/2019	Telephone: 202-208-2609
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/12/2019	Source: EPA
Date Data Arrived at EDR: 09/04/2019	Telephone: (404) 562-9900
Date Made Active in Reports: 12/03/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 90	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/20/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 10/10/2019
Number of Days to Update: 74	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/06/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 83

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing

A listing of Air Resources Management permits.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 06/14/2019
Number of Days to Update: 29

Source: Department of Environmental Protection
Telephone: 850-921-9558
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-717-9086
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

CLEANUP SITES: DEP Cleanup Sites - Contamination Locator Map Listing

This listing includes the locations of waste cleanup sites from various programs. The source of the cleanup site data includes Hazardous Waste programs, Site Investigation Section, Compliance and Enforcement Tracking, Drycleaning State Funded Cleanup Program (possibly other state funded cleanup), Storage Tank Contamination Monitoring.

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 71

Source: Department of Environmental Protection
Telephone: 866-282-0787
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

DEDB: Ethylene Dibromide Database Results

Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

Date of Government Version: 09/20/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 12/05/2019
Number of Days to Update: 72

Source: Department of Environmental Protection
Telephone: 850-245-8335
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities

The Drycleaners database, maintained by the Department of Environmental Protection, provides information about permitted dry cleaner facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/31/2019
Number of Days to Update: 70

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Semi-Annually

DWM CONTAM: DWM CONTAMINATED SITES

A listing of active or known sites. The listing includes sites that need cleanup but are not actively being working on because the agency currently does not have funding (primarily petroleum and drycleaning).

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/28/2019
Number of Days to Update: 58

Source: Department of Environmental Protection
Telephone: 850-245-7503
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A list of hazardous waste facilities required to provide financial assurance under RCRA.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/06/2020
Number of Days to Update: 69

Source: Department of Environmental Protection
Telephone: 850-245-8793
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Semi-Annually

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/06/2020
Number of Days to Update: 69

Source: Department of Environmental Protection
Telephone: 850-245-8743
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Semi-Annually

Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for storage tanks sites.

Date of Government Version: 10/29/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 01/06/2020
Number of Days to Update: 68

Source: Department of Environmental Protection
Telephone: 850-245-8853
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

FL Cattle Dip. Vats: Cattle Dipping Vats

From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 10

Source: Department of Environmental Protection
Telephone: 850-245-4444
Last EDR Contact: 01/09/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: No Update Planned

RESP PARTY: Responsible Party Sites Listing

Open, inactive and closed responsible party sites

Date of Government Version: 09/29/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 12/05/2019
Number of Days to Update: 65

Source: Department of Environmental Protection
Telephone: 850-245-8758
Last EDR Contact: 01/02/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SITE INV SITES: Site Investigation Section Sites Listing

Statewide coverage of Site Investigation Section (SIS) sites. Site Investigation is a Section within the Bureau of Waste Cleanup, Division of Waste Management. SIS provides technical support to FDEP District Waste Cleanup Programs and conducts contamination assessments throughout the state.

Date of Government Version: 08/19/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/20/2019	Telephone: 850-245-8953
Date Made Active in Reports: 10/30/2019	Last EDR Contact: 11/19/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/13/2019	Telephone: 850-413-9970
Date Made Active in Reports: 08/27/2019	Last EDR Contact: 12/05/2019
Number of Days to Update: 75	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Varies

UIC: Underground Injection Wells Database Listing

A listing of Class I wells. Class I wells are used to inject hazardous waste, nonhazardous waste, or municipal waste below the lowermost USDW.

Date of Government Version: 10/17/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/22/2019	Telephone: 850-245-8655
Date Made Active in Reports: 12/24/2019	Last EDR Contact: 10/17/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

WASTEWATER: Wastewater Facility Regulation Database

Domestic and industrial wastewater facilities.

Date of Government Version: 08/01/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/06/2019	Telephone: 850-245-8600
Date Made Active in Reports: 10/15/2019	Last EDR Contact: 11/05/2019
Number of Days to Update: 70	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018	Source: USGS
Date Data Arrived at EDR: 10/21/2019	Telephone: 703-648-6533
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 3	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALACHUA COUNTY:

FACILITY LIST ALACHUA: Facility List

List of all regulated facilities in Alachua County.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 35

Source: Alachua County Environmental Protection Department
Telephone: 352-264-6800
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Annually

BROWARD COUNTY:

AST BROWARD: Aboveground Storage Tanks

Aboveground storage tank locations in Broward County.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/12/2019
Number of Days to Update: 33

Source: Broward County Environmental Protection Department
Telephone: 954-818-7509
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

UST BROWARD: Underground Storage Tanks

All known regulated storage tanks within Broward County, including those tanks that have been closed

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/12/2019
Number of Days to Update: 73

Source: Broward County Environmental Protection Department
Telephone: 954-818-7509
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

HILLSBOROUGH COUNTY:

LF HILLSBOROUGH: Hillsborough County LF

Hillsborough county landfill sites.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 05/03/2019
Date Made Active in Reports: 06/06/2019
Number of Days to Update: 34

Source: Hillsborough County Environmental Protection Commission
Telephone: 813-627-2600
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

MIAMI-DADE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DADE CO AP: Air Permit Sites

Facilities that release or have a potential to release pollutants.

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 71

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

DADE CO AW: Agricultural Waste Listing

A listing of agricultural waste sites

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 71

Source: Miami-Dade County Division of Environmental Resources Management
Telephone: 305-372-6715
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

DADE CO LW: Liquid Waste Transporter List

The Liquid Waste Transporter permit regulates the transportation of various types of liquid and solid waste, including hazardous waste, waste oil and oily waste waters, septic and grease trap waste, biomedical waste, spent radiator fluid, photo chemical waste, dry sewage sludge, and other types of non-hazardous industrial waste. The Liquid Waste Transporter permits needed to protect the environment and the public from improperly handled and transported waste.

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 71

Source: DERM
Telephone: 305-372-6755
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

DADE MOP: Marine Facilities Operating Permit

What is this permit used for? Miami-Dade County Ordinance 89-104 and Section 24-18 of the Code of Miami-Dade County require the following types of marine facilities to obtain annual operating permits from DERM: All recreational boat docking facilities with ten (10) or more boat slips, moorings, davit spaces, and vessel tie-up spaces. All boat storage facilities contiguous to tidal waters in Miami-Dade County with ten (10) or more dry storage spaces including boatyards and boat manufacturing facilities.

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 71

Source: DERM
Telephone: 305-372-3576
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

DADE MRE: Maimi River Enforcement

The Miami River Enforcement database files were created for facilities and in some instances vessels that were inspected by a workgroup within the Department that was identified as the Miami River Enforcement Group. The files do not all necessarily reflect enforcement cases and some were created for locations that were permitted by other Sections within the Department.

Date of Government Version: 06/05/2013
Date Data Arrived at EDR: 06/06/2013
Date Made Active in Reports: 08/06/2013
Number of Days to Update: 61

Source: DERM
Telephone: 305-372-3576
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

DADE_IWP: Industrial Waste Permit Sites

Facilities that either generate more than 25,000 of wastewater per day to sanitary sewers or are pre-defined by EPA.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 71

Source: Department of Environmental Resources Management
Telephone: 305-372-6700
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

ENF: Enforcement Case Tracking System Sites

Enforcement cases monitored by the Dade County Department of Environmental Resources Management.

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 71

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

SPILLS DADE: Fuel Spills Cases

DERM documents fuel spills of sites that are not in a state program.

Date of Government Version: 01/08/2009
Date Data Arrived at EDR: 01/13/2009
Date Made Active in Reports: 02/05/2009
Number of Days to Update: 23

Source: Department of Environmental Resources Management
Telephone: 305-372-6755
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

UST DADE: Storage Tanks

A listing of aboveground and underground storage tank site locations.

Date of Government Version: 02/26/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 63

Source: Department of Environmental Resource Management
Telephone: 305-372-6700
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

PALM BEACH COUNTY:

LF PALM BEACH: Palm Beach County LF

Palm Beach County Inventory of Solid Waste Sites.

Date of Government Version: 09/01/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/10/2011
Number of Days to Update: 20

Source: Palm Beach County Solid Waste Authority
Telephone: 561-640-4000
Last EDR Contact: 12/13/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/18/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Department of Children & Families

Source: Provider Information

Telephone: 850-488-4900

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LITTLE RINGLING BRIDGE
SR 789 BIRD KEY DR TO SARASOTA HARBOR WEST
SARASOTA, FL 34236

TARGET PROPERTY COORDINATES

Latitude (North):	27.323764 - 27° 19' 25.55"
Longitude (West):	82.567417 - 82° 34' 2.70"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	344922.1
UTM Y (Meters):	3023101.0
Elevation:	4 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5676072 SARASOTA, FL
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

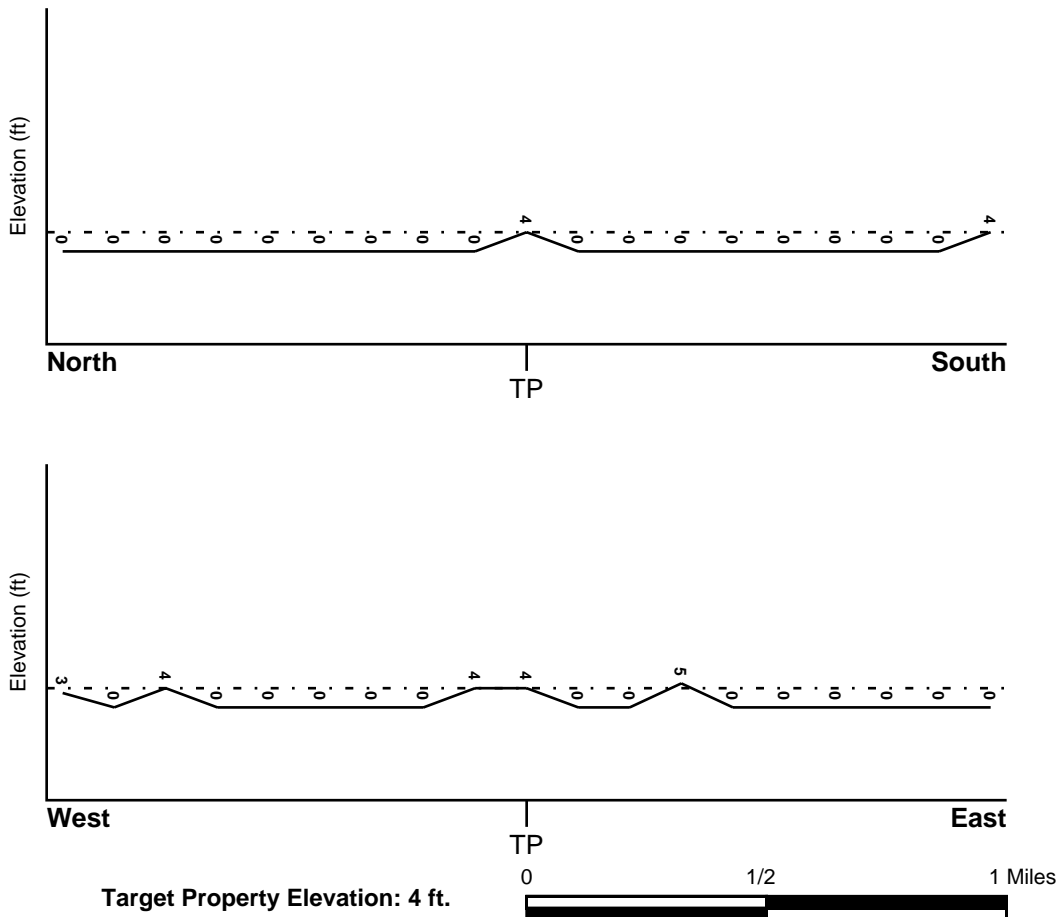
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: Undeterminable

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
125150008C	FEMA Q3 Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
125150009B	FEMA Q3 Flood data
1251500012C	FEMA Q3 Flood data
1251500013B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
SARASOTA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
2	1/2 - 1 Mile West	E
1G	1/2 - 1 Mile West	E

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Tertiary
Series: Miocene
Code: Tm (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: WATER
Soil Surface Texture: Not reported
Hydrologic Group: Not reported
Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	0.250
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	0.250

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

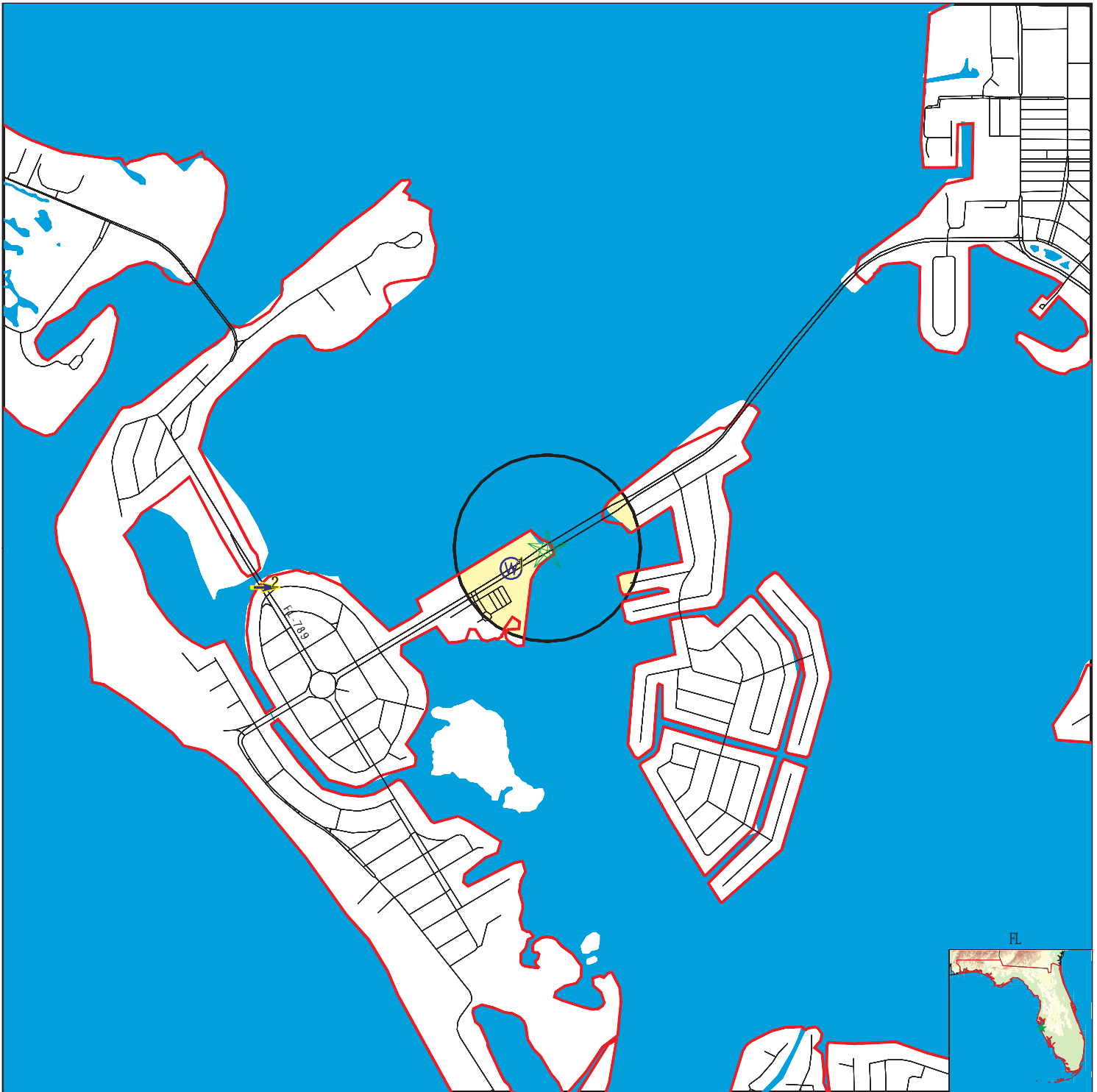
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	FLSW90000000962	0 - 1/8 Mile WSW

PHYSICAL SETTING SOURCE MAP - 5931196.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells
- Sink holes

No contour lines were detected within this map area.

SITE NAME: Little Ringling Bridge
 ADDRESS: SR 789 Bird Key Dr to Sarasota Harbor West
 Sarasota FL 34236
 LAT/LONG: 27.323764 / 82.567417

CLIENT: Madrid Engineering Group, Inc.
 CONTACT: Scott Nyhof
 INQUIRY #: 5931196.2s
 DATE: January 10, 2020 11:46 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
WSW
0 - 1/8 Mile
Higher

FL WELLS FLSW9000000962

Database:	Water Well Permit Database (Southwest WMD)		
Site ID:	617247	Revision:	6
Withdrawal:	7	Permittee:	City of Sarasota/Attn: Tom Barwin
Well Status:	Plugged	Water Source:	Withdrawal of Groundwater
Well Use:	Public Supply	Monitor Type:	Not Reported
Monitor Use:	Not Reported	Approval Status:	Approved
Water Use:	PUBLIC SUPPLY	Permitted Crop Protection:	Not Reported
Permitted Casing Depth:	Not Reported	Permitted Casing Diameter:	0
Permitted Drought Qty:	12	Permitted Total Depth:	345
Permitted Standby WD Rate:	Not Reported		

2
West
1/2 - 1 Mile
Lower

Site ID:	8520819		
Groundwater Flow:	E	AQUIFLOW	3751
Water Table Depth:	2		
Date:	10/3/91		

1G
West
1/2 - 1 Mile
Lower

Site ID:	8520819		
Groundwater Flow:	E	AQUIFLOW	3751
Water Table Depth:	2		
Date:	10/3/91		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: FL Radon

Radon Test Results

Zip	Total Buildings	% of sites > 4 pCi/L	Data Source
34236	49	10.2	Certified Residential Database
34236	38	0.0	Mandatory Non-Residential Database
34236	1	0.0	Mandatory Residential Database

Federal EPA Radon Zone for SARASOTA County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SARASOTA COUNTY, FL

Number of sites tested: 150

Area	Average Activity	% < 4 pCi/L	% 4-20 pCi/L	% > 20 pCi/L
Living Area	1.010 pCi/L	96%	4%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Well Construction Permitting Database

Source: Northwest Florida Water Management District

Telephone: 850-539-5999

Consumptive Use Permit Well Database

Source: St. Johns River Water Management District

Telephone: 386-329-4841

DEP GWIS - Generalized Water Information System Well Data

Source: Department of Environmental Protection

Telephone: 850-245-8507

Data collected for the Watershed Monitoring Section of the Department of Environmental Protection.

DOH and DEP Historic Study of Private Wells

Source: Department of Environmental Protection

Telephone: 850-559-0901

Historic database for private supply wells.

Permitted Well Location Database

Source: South Florida Water Management District

Telephone: 561-682-6877

Super Act Program Well Data

Source: Department of Health

Telephone: 850-245-4250

This table consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program. The Florida Department of Health's SUPER Act Program (per Chapter 376.3071(4)(g), Florida Statutes), was given authority to provide field and laboratory services, toxicological risk assessments, investigations of drinking water contamination complaints and education of the public.

Water Well Location Information

Source: Suwannee River Water Management District

Telephone: 386-796-7211

Water Well Permit Database

Source: Southwest Water Management District

Telephone: 352-796-7211

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER STATE DATABASE INFORMATION

Oil and Gas Permit Database

Source: Department of Environmental Protection

Telephone: 850-245-3194

Locations of all permitted wells in the state of Florida.

Florida Sinkholes

Source: Department of Environmental Protection, Geological Survey

Telephone:

The sinkhole data was gathered by the Florida Sinkhole Research Institute, University of Florida.

RADON

State Database: FL Radon

Source: Department of Health

Telephone: 850-245-4288

Zip Code Based Radon Data

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

**CSER
APPENDIX B**

ETDM Number: 14384

Ringling / SR 789

The screenshot displays the ETDM Environmental Screening Tool interface. At the top left, the logo for **etdm** (Efficient Transportation Decision Making) is shown, along with the **ETDM EST** logo and the title **Environmental Screening Tool**. Below the title is a **Map Viewer** section containing a search bar labeled "Find address or place" with a magnifying glass icon, and navigation controls including a home button, zoom in (+) and zoom out (-) buttons, and a search icon. A **Basemaps** dropdown menu is also present. The main map area shows a satellite-style view of a coastal region with a yellow line highlighting a project route labeled "14384-1" along "John Ringling Blvd". Other streets visible include Robin Dr, Bird Key Dr, N Warbler Ln, Warbler Ln, N Washington Dr, N Adams Dr, and Medicor Dr. At the bottom of the interface, there are several functional sections: **Map Loader** with a refresh icon; **Resource Data** with a search bar and a magnifying glass icon; **Search Layers** with a **Browse** button; **ETDM Projects** with a **Project ID** input field and a **+** button; and **Layers** with a refresh icon. A **Close Interactive Map** button is located at the top right of the map area. On the far right, there is a search bar labeled "Search ETDM Public Site for..." and a **Site Search** button.

ETDM Number: 14384
Ringling / SR 789

etdm
Efficient Transportation Decision Making

ETDM EST
Environmental Screening Tool
Map Viewer

Map Loader

Resource Data

Search Layers

ETDM Projects


Project ID
Enter a project number to view all analysis areas for that project. To view just a specific analysis area, enter as project-analysis area ID. e.g. "1234-1".

Search ETDM Public Site for...

Close Interactive Map

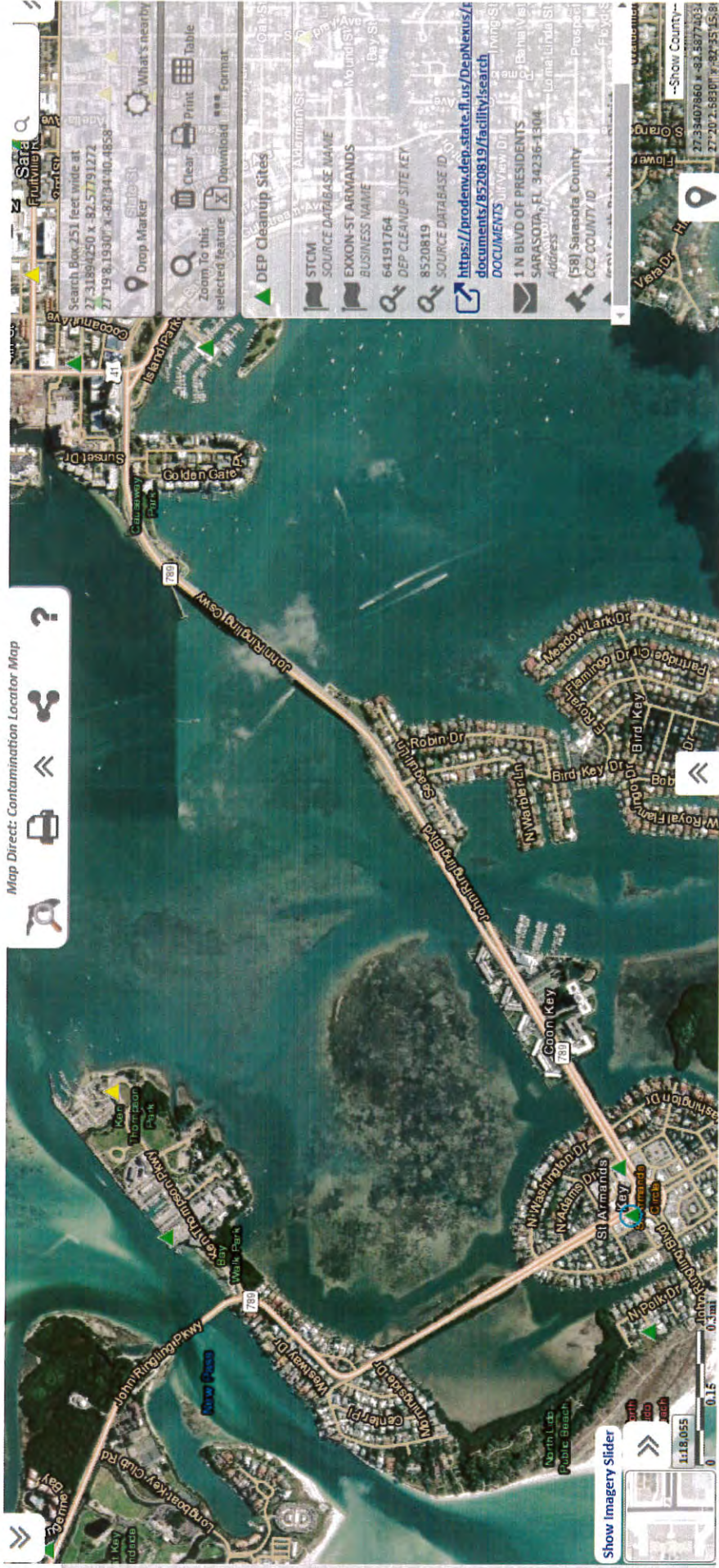
Fk Milestone 22437
Fk Project 14384
Prjname SR 789 (Ringling) Bridge Reconstruction/Rehabilitation
Fk Org 26
Alt Id 14384-1
Fk Project Alt 11752
Fk Alt Type Bridge
Fk Etdm Status 6
Edit Review Cycle 1
Fk Etdm Stage 2
Current Review Start 1/24/2020 5:00:38 PM
Fk Milestone Type 1
Segment Id SR 789 (Ringling)
Fk Segment 25439
Street Name SR 789 (Ringling)
From Street Bird Key Drive
To Street Sarasota Harbor West
Length 0.741
Current Status ETAT Review Complete
Alt Name Alternative 1

Basemaps



10:54 AM
9/8/2020

FDEP CLM



Sarasota Jack Graham, Inc. 2 Marina Plaza 64182742

No documents available through Oculus database

St. Armands: Foxy Lady 481 John Ringling Blvd 9700801

Petroleum Restoration Program On-going groundwater monitoring program

Exxon – St. Armands 1 N Blvd of Presidents 8520819

Site Assessment: Feb 2012

Low Scored Site Initiative (LSSI)

Map Direct Search Results


Tue Sep 08 2020 11:28:53 GMT-0400 (Eastern Daylight Time)

Search Made:

Search Box 251 feet wide at

27.31928986 x -82.57608306


27°19'9.4435" x -82°34'33.8990"

Search Results: 1 DEP Cleanup Sites STCM


SOURCE DATABASE NAME

 FOXY LADY

BUSINESS NAME

 64189895

DEP CLEANUP SITE KEY

 9700801

SOURCE DATABASE ID


 <https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9700801/facility!search>

DOCUMENTS

 481 JOHN RINGLING BLVD

SARASOTA, FL 34236-

Address

 (58) Sarasota County

CC2 COUNTY ID

 (SD) South Regulatory District

OC3 OFFICE ID

 PETRO


CLCC CLEANUP CATEGORY KEY

 DPHO

CMC2 COORDINATE METHOD ID

 TK

CPAC PROGRAM AREA ID

 1999 doqs

MAP SOURCE

 FACIL

OIC OBJECT OF INTEREST ID

 APPRX

PC2 PROXIMITY ID

 ACTIVE

RSC2 REMEDIATION STATUS KEY

 FL


STCD1 STATE ID

 DPHO


VERIFIED COORDINATE METHOD ID

 REVIEWED

VSC1 VERIFICATION STATUS ID

 09/08/2020

DATA LOAD DATE

 05/03/2005

COLLECT DATE



05/03/2005

VERIFICATION DATE



ROSELLI_J

COLLECT USERNAME



DEPARTMENT OF ENVIRONMENTAL PR

COLLECT AFFILIATION



ROSELLI_J

VERIFIER USERNAME



DEPARTMENT OF ENVIRONMENTAL PR

VERIFIER AFFILIATION



4

CALC COORD ACCURACY LEVEL ID



923

MAP SOURCE SCALE



COMMENTS



Latitude: 27° 19' 9.76"

Longitude: 82° 34' 33.89"

Datum: HARN

Disclaimer: This report is only intended to be used as an approximation of the possibility of nearby regulated features. It is not intended for legal purposes. Neither the State of Florida, nor the FDEP, makes any warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose arising out of the use or inability to use the data, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Use of information contained on the FDEP web pages constitutes understanding and acceptance of our disclaimer.

Mendez, Steven

From: Mendez, Steven
Sent: Wednesday, August 5, 2020 12:09 PM
To: stevev@gearengineer.com
Cc: Correia, Matthew; Porto, Janice; Team 5 PRP Deliverable; Witt, Graham; Davis, J. Lance
Subject: Foxy Lady (58/9700801) Task-3 Deliverable Review Letter

August 5, 2020

(Sent via email only to addressee at stevev@gearengineer.com)

Mr. Steve Volpe, P.G.
AGuA, LLC
1928 Boothe Circle
Longwood, FL 32750

Subject: Task-3 Deliverable (Template Site Assessment Report) Review Letter
Foxy Lady
481 John Ringling Blvd
Sarasota, Sarasota County
FDEP Facility ID# 58/9700801
Discharge Date: June 17, 1997 (PCPP)
Priority Score: 07
Purchase Order, Task #: B57442, Task 3
Task Assignment: GC861-073A

Dear Mr. Volpe:

The Petroleum Restoration Program (PRP) has reviewed the Task-3 Deliverable (Template Site Assessment Report) dated May 22, 2020 (received June 03, 2020) and Response to Comments dated July 24, 2020 (received July 24, 2020), submitted for this facility. The field work is acceptable, but the deliverable is incomplete. The following items need to be addressed before the work outlined in Purchase Order #B57442 for Task 3 is completed:

1. Please report MTBE, EDC, and EDB for MW-7 on Table 3 and on Table 5 for MW-7-2 (soil).
2. Please create a table and document the groundwater results of the 19 Pesticide analytes reported in the laboratory analytical report for MW-7 and MW-7-2 (soil).
3. Please create a table and document the groundwater results of the 7 PCB analytes reported in the laboratory analytical report for MW-7 and MW-7-2 (soil).
4. Please create a table and report the soil and groundwater results for Priority Pollutant Volatile Organic Halocarbons per Table B of 62-780 for Petroleum Product COC and Dry Cleaning Solvent COC:
5. Additional Non-Priority Pollutant Organics that should be reported for groundwater only are as follows:
 - a. Isopropyl Benzene (Cumene)
 - b. 1,2,4-Trimethylbenzene

c. 1,3,5-Trimethylbenzene

6. Please resubmit the updated tables in excel file.

Please submit the revised TSAR addressing the comments by September 8, 2020. If you should have any questions about the review, please contact me at (813) 684-4400, extension 4820 or at the address in the signature of this email.

Thank you,

Steven Mendez

Associate Geologist
FDEP Petroleum Restoration Program, Team Five



2760 S. Falkenburg Road
Riverview, FL 33578

Office: 813.684.4400 ext 4820

eFax: 1 813 435 2085

24 Hour Emergency Response: 800.283.2933

www.NorthStar.com | SMendez@NorthStar.com

Industrial & Commercial Demolition | Environmental Remediation | Emergency Response | Asset Recovery | Nuclear Decommissioning

Confidentiality Note: This e-mail, and any attachment to it, contains privileged and confidential information intended only for the use of the individual(s) or entity named on the e-mail. If the reader of this e-mail is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that reading it is strictly prohibited. If you have received this e-mail in error, please immediately return it to the sender and delete it from your system. Thank you.



Florida Department of Environmental Regulation
Twin Towers Office Bldg • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-781(8/31)
Form Title Discharge Reporting Form
Effective Date September 10, 1994
DER Application No. _____

Discharge Reporting Form

Use this form to notify the Department of Environmental Regulation of:

1. Results of tank tightness testing that exceed allowable tolerances within ten days of receipt of test results.
2. Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-781.460 F.A.C. within one working day of discovery.
3. Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities established by 17-781.460 F.A.C., within one working day of the discovery.
4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated substances or pollutants discovered in the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring results from a leak detection method or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gauging results for tanks of 550 gallons or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive weekly tests



Mail to the DER District Office in your area listed on the reverse side of this form

PLEASE PRINT OR TYPE

Complete all applicable blanks

5819700801

DER Facility ID Number: Pending 2. Tank Number: Unknown 3. Date: 6/26/97
 1. Facility Name: Former Chevron (Foxy Lady Site)
 Facility Owner or Operator: Ms. Lorry Eible
 Facility Address: 481 John Ringling Boulevard, Sarasota, Florida 34236
 Telephone Number: (941) 349-3871 County: Sarasota
 Mailing Address: 853 Siesta Key Circle, Sarasota, Florida 34242
 Date of receipt of test results or discovery: 6/17/97 month/day/year

Method of initial discovery. (circle one only)

- A. Liquid detector (automatic or manual) D. Emptying and inspection. E. Vapor or visible signs of a discharge in the vicinity.
 B. Vapor detector (automatic or manual) E. Inventory control. G. Closure: _____ (explain)
 C. Tightness test (underground tanks only). (H) Other: Environmental Site Assessment Lab Results

Estimated number of gallons discharged: Unknown

What part of storage system has leaked? (circle all that apply)

- A. Dispenser B. Pipe C. Fitting D. Tank (E) Unknown

Type of regulated substance discharged. (circle one)

- A. leaded gasoline (D) vehicular diesel L. used/waste oil Y hazardous substance includes pesticides, ammonia, chlorine and derivatives (write in name or Chemical Abstract Service CAS number)
 B. unleaded gasoline F. aviation gas M. diesel Z. other (write in name)
 C. gasohol G. jet fuel O. new/tube oil

Cause of leak. (circle all that apply)

- (D) Unknown C. Loose connection E. Puncture G. Spill I. Other (specify)
 B. Spill D. Corrosion F. Installation failure H. Overfill

Type of financial responsibility. (circle one)

1. Third party insurance provided by the state insurance contractor (C) Not applicable
 2. Self-insurance pursuant to Chapter 17.760.500 F.A.C. O. None

To the best of my knowledge and belief all information submitted on this form is true, accurate, and complete.

Lorry Eible
Printed Name of Owner, Operator or Authorized Representative

Lorry Eible
Signature of Owner, Operator or Authorized Representative

9 JUL 23 1997
STORAGE REGISTRATION
RECEIVED
17
1



Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.900(2)
Form Title Storage Tank Registration Form
Effective Date: December 10, 1990
DER Application No. (Filed in by DER)

JUL 8 1997

Anne Sinclair

Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

1. DER Facility ID Number: 9700801 2. Facility Type: A
 3. New Registration New Owner Data Facility Revision Tank Revision
 4. County and Code of tank(s) location: SARASOTA 1 58

5. Facility Name: FOXY LADY (FORMER CHEVRON)
 Tank(s) Address: 481 JOHN RINGLING BOULEVARD
 City/State/Zip: SARASOTA FL 34236
 On Site Manager/Contact: _____ On Site Telephone: (____) _____
 6. Financial Responsibility Type: D

7a. ^{PROPERTY} Tank(s) Owner: LORRY EIBLE Account Owner Number: _____
 Owner Mailing Address: 853 SIESTA KEY CIRCLE
 City/State/Zip: SARASOTA FL 34242
 Contact Person: LORRY EIBLE Telephone: (941) 349-3871

7b. New Owner Signature/Change Date: _____ / _____ / _____

8. Location (optional) Latitude: 29.19.09 " Longitude: 82.34.34 " Section _____ Township _____ Range _____

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

9	10	11	12	13	14	15	16	17	18	19
1	1000	D	X/X	U	C	B	X	B		6/84
2	2000	A	X/X	U	C	B	X	B		6/84
3	2000	B	X/X	U	C	B	X	B		6/84
4	550	L	X/X	U	C	B	X	B		6/84
			X/X							

20. _____ DPR# _____

Certified Contractor*

Department of Professional Regulation License Number*

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

EUGENE CHERNO
Print name & title of owner or authorized person

Eugene Chernov
Signature

7-1-97
Date

CODES FOR DER STORAGE TANK REGISTRATION FORM 17-761.900(2)

#2 - FACILITY TYPE

- | | | |
|----------------------------------|---------------------------------|---|
| A. Retail station | G. State government | M. Agricultural |
| E. Residence | H. Local government | N. Indian land |
| C. Fuel user/non-retail | I. County government | T. Coastal bulk petroleum or chemical storage |
| D. Inland bulk petroleum storage | J. Collection station | V. Marine fueling facility |
| E. Industrial plant | K. Inland bulk chemical storage | Z. Other; please specify |
| F. Federal government | L. Chemical user | |

#5 - FINANCIAL RESPONSIBILITY

- A. State Program - Third party liability/State contractor (FPLIPA/AIG).
 B. State Program - Third party liability/Self insurance with other carrier; other federal financial responsibility mechanism.
 C. Other coverage meeting federal financial responsibility requirements.
 D. None

#9 - TANK ID NUMBER
 (number sequentially, 1,2,3; or provide specific identifying name or number; 6 characters, maximum)

#10 - TANK SIZE IN GALLONS

#11 - CONTENT

- | | | |
|-------------------------------|--|--|
| A. Leaded gasoline | F. Fuel - generator or pump | R. Ammonia compound |
| B. Unleaded gasoline | G. Kerosene | S. Chlorine compound |
| C. Gasohol | L. Waste oil | T. Hazardous substance (CERCLA) |
| D. Vehicular diesel | M. Fuel oil: on-site heat use only; all USTs or ASTs <30K gals | U. Mineral acid |
| E. Aviation gasoline | N. Fuel oil: distribution, or on-site heat use ASTs > 30K gals | V. Grades 5 & 6, bunker 'C' residual oils |
| F. Jet fuel | O. New & lube oil | W. Petroleum-base additive |
| G. Fuel - emergency generator | P. Pesticide | X. Other, miscellaneous petroleum-base product |

#12 - INSTALLATION DATE (mm/yy)

#13 - TANK PLACEMENT

- A = Aboveground tank
 U = Underground tank
 C = Aboveground Compression Vessel
 D = Underground Compression Vessel

#14 - TANK CONSTRUCTION - choose one primary construction and all other codes that apply; primary is inner tank construction for double wall tanks

- Primary Construction:** C. Steel
 D. Unknown
 E. Fiberglass
 F. Fiberglass-clad steel
- Overfill/Spill:** A. Ball check valve
 N. Flow shut-off
 O. Tight fit
- Corrosion Protection:** G. Cathodic protection - sacrificial anode
 H. Cathodic protection - impressed current
- Secondary Containment:** I. Double wall construction: single material; outer tank material same as inner tank material
 R. Double wall construction: dual material; outer tank constructed of concrete, approved synthetic material or tank "jacket"
 J. Synthetic liner in tank excavation
 K. Concrete, synthetic material, and/or onsite clays beneath AST and in containment area
 S. Other DER approved secondary containment system
- Miscellaneous attributes:** E. Internal lining
 L. Compartmented
 U. Field erected tank
- Other codes:** X. Concrete
 Y. Polyethylene
 Z. Other DER approved tank material
 M. Spill containment bucket
 P. Level gauges, high-level alarms
 Q. Other DER approved protection method

#15 - PIPING CONSTRUCTION - choose one primary construction and all other codes that apply; primary is inner pipe construction for double wall piping

- Primary Construction:** B. Steel or galvanized metal
 C. Fiberglass
 N. Approved synthetic material
- Corrosion Protection:** D. External protective coating
 E. Cathodically protected with sacrificial anode or impressed current
- Secondary Containment:** F. Double wall construction: single material; outer pipe material same as inner pipe material
 M. Double wall construction: dual material; outer pipe constructed of approved synthetic material or pipe "jacket"
 G. Synthetic liner or box/trench liner in piping excavation or pipe containment area
- Miscellaneous attributes:** A. Aboveground, no contact with soil
 I. Suction piping system
 J. Pressurized piping system
 K. Dispenser liners
 L. Bulk product system
 H. Airport/seaport hydrant system
- Other codes:** Y. Unknown
 Z. Other DER approved piping material

#16 - LEAK DETECTION METHODS - choose all that apply

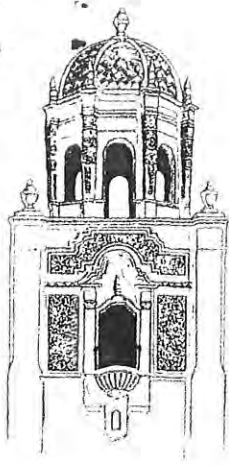
- Site/general:** A. Automatically sampled wells
 C. Groundwater monitoring plan
 N. Groundwater monitoring system
 I. Not required - see rule for exemptions
 Y. Unknown
- Tank monitoring:** E. Interstitial space - tank/liner
 F. Interstitial space - double wall tank
- Piping monitoring:** G. In-line detector, auto shut off
 H. In-line flow restrictor
- Other codes:** B. Manually sampled wells
 D. SPCC Plan
 O. Vapor monitoring system
 X. None
 Z. Other DER approved monitoring method
 L. Automatic tank gauging
 M. Manual tank gauging
 J. Interstitial space - piping/liner
 K. Interstitial space - double wall piping

#17 - TANK STATUS &/or TANK DISPOSAL

- A. Properly closed in place - UST filled with sand, concrete or other inert material; AST rendered unusable
 B. Removed from the site * A or B: Closure Assessment; required after 12/10/90 (UST); 03/12/91 (AST) - EDI sites excluded
 E. Tank construction modified to non-regulated status (Skid tank or tank enclosed in building)
 F. Unmaintained tank - not in use or to be used, and not properly disposed
 T. Temporarily out-of-service
 U. In-service

#18 - GALLONS LEFT

in out-of-service tank
#19 - LAST USED DATE (mm/yy)
 or date of permanent closure



**SARASOTA COUNTY GOVERNMENT
SARASOTA, FLORIDA**

Natural Resources Department

RECEIVED
NATURAL RESOURCES DEPARTMENT
JUL 11 1997

**P.O. Box 8
Sarasota, Florida 34230
1301 Cattlemen Road, Bldg. A.
Sarasota, Florida 34232
Telephone (941) 378-6113
FAX (941) 378-6067**

July 3, 1997

William Truman, Environmental Manager
Department of Environmental Protection
Bureau of Petroleum Storage Systems
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Truman:

SC97-209

Subject: Request for Assignment of Facility Number
Foxy Lady (Former Chevron)
481 John Ringling Boulevard
Sarasota, FL

Please find enclosed the Storage Tank Registration Form for the subject facility. This is a former Chevron Service Station that removed their underground tanks in June of 1984. A recent Phase II assessment yielded laboratory analyticals confirming petroleum contamination in the ground water.

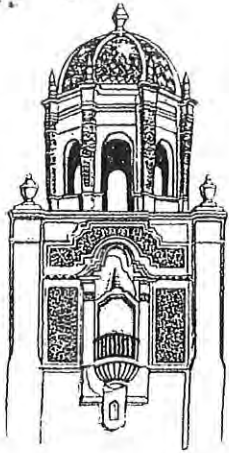
The owner's agent has advised that they will apply for the Petroleum Cleanup Participation Program.

Please contact Dorene Starkey, Senior Secretary, at Suncom 522-6128 with the new facility number.

Sincerely,

Eugene Cherno
Environmental Supervisor
Pollution Control Division

Enclosures



**SARASOTA COUNTY GOVERNMENT
SARASOTA, FLORIDA**

Natural Resources Department

**P.O. Box 8
Sarasota, Florida 34230
1301 Cattlemen Road, Bldg. A.
Sarasota, Florida 34232
Telephone (941) 378-6113
FAX (941) 378-6067**

July 28, 1997

Raphael Perez, Environmental Specialist II
Department of Environmental Protection
Petroleum Insurance Section
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Perez:

SC97-236

Subject: Completed FPLIRP Inspection Package
Facility #589700801
Foxy Lady (Former Chevron)
481 John Ringling Boulevard
Sarasota, FL 34236

Please find enclosed a completed FPLIRP inspection package for the subject facility.

If there are any questions I can be reached at (941)378-6128.

Sincerely,



Eugene Chernov
Environmental Supervisor
Pollution Control Division

Enclosures

RECEIVED
D.E.P.
97 JUL 30 AM 10:37
STORAGE AND
REGULATION

TEMPLATE SITE ASSESSMENT REPORT

Site Name: Foxy Lady
 Facility ID #: 58/9700801
 Date: May 22, 2020

SECTION I - Facility & Discharge Information/Initial Abatement
Southside Car Wash.

<i>Cluster Site</i>		
Part	Facility FDEP#	Site Name:

I-A) Site Description

Please provide a brief description of the site and a summary of site history and operations. What type of business or businesses (if any), non-petroleum as well as petroleum, operated at the former/present site? If petroleum, describe where all former and current fuel tanks, lines and dispensers were/are located (indicating how this information was obtained). Describe any access constraints (utility conduits, canopies, land cover, etc.) which also might influence the placement of monitoring wells and/or the installation of soil borings. Indicate whether there are any owner issues or traffic concerns which might affect when the work can be performed?

According to FDEP records, the Foxy Lady Site historically operated as a Chevron retail petroleum fueling and automobile repair facility. The Underground Storage Tanks (UST) system consisted on two 2,000-gallon USTs containing leaded and unleaded gasoline, one 1,000-gallon UST containing vehicular diesel and one 550-gallon UST containing used motor oil. The USTs were located in two separate pits, one of them located south of the former car wash building, and the other pit located west of the building. According to a FDEP Storage Tank Notification Form the USTs were removed from the site in 1984; however, there is no System Closure Report available in Oculus. The Site currently operates as a high-end clothing/fashion retailer.

Site map (Figure 1) illustrating all current & former tanks, lines and dispensers (including utilities, canopies, etc.) is included in Appendix B

I-B) Petroleum System/Tank History

List current and former UST's and/or AST's operated at site. Systems (PAST AND PRESENT) must be illustrated on Site Plan. This information should be a summary of the Department's STCM database, all tank closure reports (if applicable) and site owner & operator information.

ID#	AST or UST	Size (gallons)	Installation Date	Contents (unleaded gasoline/ diesel/etc.)	Status (active, removed or abandoned [in place])	Date Removed or Abandoned (if applicable)
<u>1</u>	<u>UST</u>	<u>1,000</u>	<u>Unknown</u>	<u>Vehicular Diesel</u>	<u>Removed from Site</u>	<u>1984</u>
<u>2</u>	<u>UST</u>	<u>2,000</u>	<u>Unknown</u>	<u>Leaded Gasoline</u>	<u>Removed from Site</u>	<u>1984</u>
<u>3</u>	<u>UST</u>	<u>2,000</u>	<u>Unknown</u>	<u>Unleaded Gasoline</u>	<u>Removed from Site</u>	<u>1984</u>
<u>4</u>	<u>UST</u>	<u>550</u>	<u>Unknown</u>	<u>Used Oil</u>	<u>Removed from Site</u>	<u>1984</u>

-If above information is different than the Department's STCM database, please indicate source of updated information:

I-B) Petroleum System/Tank History (continued)

Active Site? If yes, please indicate method, date and extent of latest tank and line tightness test (include copy of tightness test results). If tank tightness test results are not available, please explain why they are not necessary or indicate when next tightness test will be performed.

YES NO

Site is presently an operating clothing/fashion store.

Copy of tightness test results included in Appendix _____

TEMPLATE SITE ASSESSMENT REPORT

Site Name: Foxy Lady
Facility ID #: 58/9700801
Date: May 22, 2020

SECTION III - Recent Site Assessment Activities

III-A) Soil Investigation

YES NO
[X] []

Was soil (vadose zone and smear zone) investigated? If yes, please provide a brief discussion of soil sampling methodology, including the method(s) used to collect the laboratory samples. If no, please explain.

AGuA, LLC (AGuA) was on-site on November 5, 2019, to conduct a soil assessment at the Site. Eleven soil borings (SB-1 through SB-11) were advanced in the approximate former UST and dispenser locations, with the exception of the Waste Oil UST the location for which was occupied by a unknown car at the time. The soil borings were advanced via stainless steel hand auger to three feet BLS with soil sample collection per the Scope of Work created by the Local Program Site Manager (LPSM); one sample was collected every foot down to borehole completion. Soil samples were collected in accordance with Florida Department of Environmental Protection (FDEP) guidelines and screened for organic vapors using an Organic Vapor Analyzer with Photo-Ionization Detector (OVA-PID). Upon discussing OVA results with the LPSM, AGuA was instructed to collect four laboratory samples (SB-1-1, SB-3-1, SB-4-1, and SB-8-1). The samples were collected in laboratory-provided sample containers per FDEP guidelines, placed on ice and submitted to Advanced Environmental Laboratories, Inc. (AEL), for analysis via EPA Method 8260B (BTEX & MTBE), EPA Method 8270 (PAHs) and the FL-PRO Method for TRPH, with additional material collected for contingent SPLP and TRPH Speciation analysis.
On April 16, 2020, AGuA returned to the site with Preferred Drilling Solutions, Inc (PDS) to perform soil sampling in the vicinity of the used oil UST, as well as delineation soil sampling in the vicinity of the former dispenser island. Prior to well installation soil samples were collected, via Direct-Push Technology (DPT), from the MW-7 borehole at 1-foot intervals down to four feet, then at 2-foot intervals down to twelve feet. Additionally, Five soil borings (SB-12 through SB-16) were advanced via stainless steel hand auger down to four feet BLS with soil sample collection every foot down to borehole completion. Soil samples were collected in accordance with FDEP guidelines and screened for organic vapors using an Organic Vapor Analyzer with Photo-Ionization Detector (OVA-PID). One sample was collected from the 2-foot interval of the aforementioned borings for laboratory analysis. The samples were collected in laboratory-provided sample containers per FDEP guidelines, placed on ice and submitted to AEL for analysis as follows:
• Samples SB-12-2, SB-13-2 and SB-14-2 were submitted for analysis via EPA Method 8270 (PAHs) and the FL-PRO Method for TRPH.
• Samples SB-15-2 and SB-16-2 were submitted for analysis via EPA Method 8270 (PAHs)
• Sample MW-7-2 was submitted for the suite of analyses as detailed in Table D of Chapter 62-780, F.A.C.

Date of last soil screening event (OVA data) with or without laboratory sampling: 4/16/2020
Site map (Figure 4) illustrating sampling locations is included in Appendix B
Tabular summary of soil screening results (Table 1) is included in Appendix A
Tabular summary of laboratory soil sampling results (Tables 8 thru 12) are included in Appendix A
Soil sampling logs (for laboratory samples) are included in Appendix C

TEMPLATE SITE ASSESSMENT REPORT

Site Name: Foxy Lady
 Facility ID #: 58/9700801
 Date: May 22, 2020

III-B) Groundwater Investigation (continued)

YES NO

Was groundwater sampling performed? If yes, please provide a brief discussion of groundwater purging and sampling methodology and identify the wells that were sampled. If no, please explain.

On October 23, 2019, AGuA mobilized to the Site to collect groundwater samples from three existing monitor wells (MW-2 through MW-4). Prior to sample collection a Depth-to-Water (DTW) survey was conducted; all monitor wells were opened and allowed to equilibrate with atmospheric pressure after which depth-to-water measurements were collected with an interface probe. Additionally, a Top-of-Casing (ToC) survey was performed on the wells since historical data for the monitor wells could not be located. AGuA personnel then collected groundwater samples from the three wells in accordance with applicable FDEP SOPs. The samples were collected in laboratory-provided sample containers per FDEP guidelines, placed on ice in a cooler and submitted to AEL for analysis via EPA Methods 8260 for BTEX/MTBE and EDB, 8270 for PAHs and 6010 for Total Lead, as well as via the FL-PRO Method for TRPH.

On April 20, 2020, AGuA remobilized to the Site to collect groundwater samples from monitor wells MW-2 through MW-7. Again, DTW and ToC survey were performed as described above. All of the samples were collected in laboratory-provided sample containers per FDEP guidelines, placed on ice in a cooler and submitted to AEL for analysis. Monitor well samples MW-2 through MW-6 were submitted for analysis via EPA Methods 8260 for BTEX/MTBE and 8270 for PAHs, as well as via the FL-PRO Method for TRPH, whereas the sample collected from MW-7 was submitted for the suite of analyses as detailed in Table D of Chapter 62-780, F.A.C.

If groundwater sampling not performed, indicate date of last sampling event (if applicable): _____

Indicate wells sampled on that date (if applicable): _____

Site map (Figure 6) illustrating the groundwater sampling results is included in Appendix B

Tabular summary of groundwater sampling results (Table 3 thru 7) is included in Appendix A

Groundwater field sampling logs are included in Appendix C

Groundwater samples (previous sampling events included) have been collected and analyzed for:

Required for all suspected GAG/KAG sites.

BTEX/MTBE PAHs TRPHs

Required for all contaminated GAG/KAG sites.

EDB Lead (Pb) VOHs

Required for all suspected used oil (or unknown fuel type) contaminated sites.

Priority Pollutant Volatile Organics & Extractable Organics As, Cd, Cr, Pb TRPHs

TEMPLATE SITE ASSESSMENT REPORT

Site Name: Foxy Lady
Facility ID #: 58/9700801
Date: May 22, 2020

III-B) Groundwater Investigation (continued)

Was groundwater IDW generated? If yes, please explain why disposal on-site was not possible. YES NO N/A

[Empty box for explanation]

Volume of contaminated groundwater disposed of: drums gallo.

Was groundwater contamination identified above the applicable Cleanup Target Levels? If yes, indicate locations where highest concentrations detected with depths encountered. If "N/A", please explain. YES NO N/A

The groundwater laboratory analytical results from both sampling events did not identify the presence of petroleum constituents of concern with the exception of the samples collected from MW-2 which contained TRPH, 1-Methylnaphthalene and 2-Methylnaphthalene at concentrations exceeding their respective GCTLs, as well as Naphthalene exceeding its NADSC. Additionally, the sample collected from MW-2 in October 2019 contained Lead exceeding its GCTL, however Lead analysis was not performed on the MW-2 sample collected in April 2020.

Approximate volume of contaminated groundwater: gallons
Plume map [Figure 6] illustrating extent of groundwater contamination is included in Appendix B

Has horizontal delineation been completed in the surficial aquifer? If no, please describe where additional sampling is required (indicating wells and needed analyses) and/or additional monitoring wells should be installed (indicating proposed screened intervals for each). If "N/A", please explain. YES NO N/A

At least one additional shallow monitor well needs to be installed northwest of MW-2; well construction should be the same as monitor wells MW-5 through MW-7.

Site map (Figure 7) illustrating proposed monitoring well locations is included in Appendix B

III-B) Groundwater Investigation (continued)

Has vertical delineation been completed in the plume area? If no, please describe where additional sampling is required (indicating needed analyses) and/or identify locations where vertical extent well(s) should be installed (indicating proposed screened intervals, single or double cased and length of surface casings). If "N/A", please explain. YES NO N/A

One vertical extent well should be installed adjacent to MW-2; it should be installed to 25' BLS with 5' of 0.01 slot screen and 18' of 6-inch outer casing.

Site map (Figure 7) illustrating proposed vertical extent well locations is included in Appendix B

TEMPLATE SITE ASSESSMENT REPORT

Site Name: Foxy Lady
Facility ID #: 58/9700801
Date: May 22, 2020

Is the lower aquifer(s) contaminated? If yes, please describe location and estimated depth of contamination. If unknown, please explain. YES NO Unknown [X]

There are no vertical extent wells on-site.

Cross-section (Figures) illustrating vertical extent of contamination is included in Appendix

Were natural attenuation parameters data collected? If yes, please specify which parameters were collected (and where collected) and provide interpretation of results. YES NO [X]

[Empty box for natural attenuation parameters data]

Site map (Figure) illustrating natural attenuation parameter data is included in Appendix
Tabular summary of parameter sampling results (Table) is included in Appendix

Have any supply wells or surface waters been impacted? If yes, please indicate concentration(s) of water sample(s) taken and the wells/surface water body/bodies impacted. If unknown, please explain. YES NO Unknown [X]

Neither the nearby irrigation wells nor the nearby surface waters have been tested.

Is surface water and/or sediment sampling required? If yes, please indicate where samples should be collected, and the proposed analyses. YES NO Unknown [X]
[Note: surface water sampling results should be summarized with the groundwater analytical results and sediment sampling results should be summarized with the soil analytical results.] If unknown, please explain.

The recent groundwater sampling events indicate the groundwater impacts have likely remained on-site, thus AGuA does not yet recommend sampling the nearby surface waters or irrigation wells

Site map (Figure) illustrating sampling locations is included in Appendix

Are there any potable wells that need to be sampled? If yes, please indicate wells to be sampled, and the proposed analyses. If unknown, please explain. YES NO Unknown [X]

[Empty box for potable wells that need to be sampled]

Site map (Figure) illustrating potable well locations is included in Appendix

Map Direct Search Results


Tue Sep 08 2020 11:29:51 GMT-0400 (Eastern Daylight Time)

Search Made:

Search Box 251 feet wide at

27.31883231 x -82.57792842

27°19'7.7963" x -82°34'40.5423"

Search Results: 1 DEP Cleanup Sites

STCM

SOURCE DATABASE NAME



EXXON-ST ARMANDS

BUSINESS NAME



64191764

DEP CLEANUP SITE KEY



8520819

SOURCE DATABASE ID

<https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8520819/facility!search>

DOCUMENTS



1 N BLVD OF PRESIDENTS

SARASOTA, FL 34236-1304

Address



(58) Sarasota County

CC2 COUNTY ID



(SD) South Regulatory District

OC3 OFFICE ID



PETRO

CLCC CLEANUP CATEGORY KEY



DPHO

CMC2 COORDINATE METHOD ID



TK

CPAC PROGRAM AREA ID



1999 doqs

MAP SOURCE



FACIL

OIC OBJECT OF INTEREST ID



VICIN

PC2 PROXIMITY ID



PENDING

RSC2 REMEDIATION STATUS KEY



FL

STCD1 STATE ID



DPHO

VERIFIED COORDINATE METHOD ID



REVIEWED

VSC1 VERIFICATION STATUS ID



09/08/2020

DATA LOAD DATE



10/29/2003

COLLECT DATE



10/29/2003

VERIFICATION DATE



WALL_K58

COLLECT USERNAME



CONTRACTOR

COLLECT AFFILIATION



WALL_K58

VERIFIER USERNAME



CONTRACTOR

VERIFIER AFFILIATION



4

CALC COORD ACCURACY LEVEL ID



1957

MAP SOURCE SCALE



COMMENTS



Latitude: 27° 19' 8.2121"

Longitude: 82° 34' 40.2889"

Datum: HARN

Disclaimer: This report is only intended to be used as an approximation of the possibility of nearby regulated features. It is not intended for legal purposes. Neither the State of Florida, nor the FDEP, makes any warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose arising out of the use or inability to use the data, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Use of information contained on the FDEP web pages constitutes understanding and acceptance of our disclaimer.

Discharge Notification Form

Form 17-1.218(3)

Use this form to notify the Department of Environmental Regulation of:

1. Results of tank testing which reveal a discharge within 3 working days of testing.
2. Discharges exceeding 100 gallons on pervious surfaces as described in Section 17-61.05(4)(b) within 3 working days of discovery
3. Positive response of a detection device, monitoring well test of sample or laboratory report within 3 working days of discovery

Mail to the DER District Office in your district.

PLEASE PRINT OR TYPE
Put "X" where answer is unknown.

1. Facility Number: 588520819 2. Tank Number: 1, 2, 3, 4, 5 3. Date: 1/24/91

4. Facility Name: St. Armands Exxon
 Facility Operator: Dr. William G. James (owner)
 Facility Address: 1 N. Boulevard of Presidents, Sarasota, Florida
 Telephone Number: 1 416 1274-5303 County: Sarasota
 Mailing Address: 1 Port Street East, Mississauga, Ontario L5G 4N1

6. Date of test or discovery: 1/24/91 month/day

8. Method of initial discovery. (circle one only)

A. Automatic detector in ground, monitoring well, or containment.	D. Emptying and inspection.
B. NFPA 329 test (underground tanks only).	E. Inventory control.
C. Manual test of monitoring well(s).	F. Odor or visible signs at facility or in vicinity.
	G. Other: <u>UST Closure Assessment</u> (ex)

7. Estimated number of gallons lost: Not Available - ABANDONED BY PREVIOUS OPERATOR

8. What part of the storage system is leaking? (circle all that apply) A. Dispenser B. Pipe C. Fitting D. Tank E. Unkn

9. If a tank is leaking, circle the choices which describe the type.

A. Aboveground	D. Underground	H. Sacrificial anode type
B. Factory welded	E. Bare or asphalt-coated steel	I. Impressed current type
C. Field erected	F. Fiberglass-clad steel	J. Double walled
	G. Fiberglass	<input checked="" type="radio"/> M. Other or Unknown (ex)

10. Type of pollutant discharged. (circle one)

A. Leaded Gasoline.	E. Aviation fuel.
<input checked="" type="radio"/> B. Unleaded gasoline.	Y. Other _____
C. Gasohol or alcohol-enriched gasoline.	Z. Unknown _____ (ex)

11. Cause of leak. (circle all that apply)

<input checked="" type="radio"/> A. Unknown	<u>Piping</u>	<u>Tank</u>
	B. Split	<input checked="" type="radio"/> G. Split
	C. Loose connection	<input checked="" type="radio"/> H. Corrosion
	D. Other _____	I. Puncture
		J. Installation failure
		P. Other _____

12. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE CURATE, AND COMPLETE.

Dr. William G. James
Name of Owner, Operator or Authorized Representative

William G. James
Signature of Owner, Operator, or Authorized Represent

KEEP A COPY OF THIS FORM FOR YOUR RECORDS.

EARTH SCIENCE, INC.

Assessments, Consulting, Remediation, Research & Development

10112 E. Rivershore Drive SE, Alto, MI 49302

Phone (616) 891-0764 ~ (616) 891-0762 (fax)

E-mail: earthscience1@earthlink.net

Website: ESI-Environmental.com

RECEIVED
BUREAU OF PETROLEUM
STORAGE SYSTEMS
TEAM 5

12 FEB 27 PM 2:33

RECEIVED
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

February 22, 2012

Project #: 11-015

Ms. Michelle Allard, PG
WRScompass Sr. Geologist
Petroleum Cleanup Section Five
Bureau of Petroleum Storage Systems
Florida Department of Environmental Protection (FDEP)
Bob Martinez Center
2600 Blair Stone Road, MS 4585
Tallahassee, FL 32399-2400

Dear Ms. Allard:

Subject: First Event General Report – Low Scored Site Initiative (LSSI)
Exxon - St. Armands
1 N. Boulevard of Presidents, Sarasota, FL
Discharge Reporting Date: January 24, 1991
Eligibility: Abandoned Tank Restoration Program (ATRP)
FAC #: 58/8520819; Priority Score: 8
Work Order #: 2012-95-W97105

RECEIVED
DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2012 FEB 27 A 10:58
BUREAU OF PETROLEUM
STORAGE SYSTEMS
STORAGE OFFICE

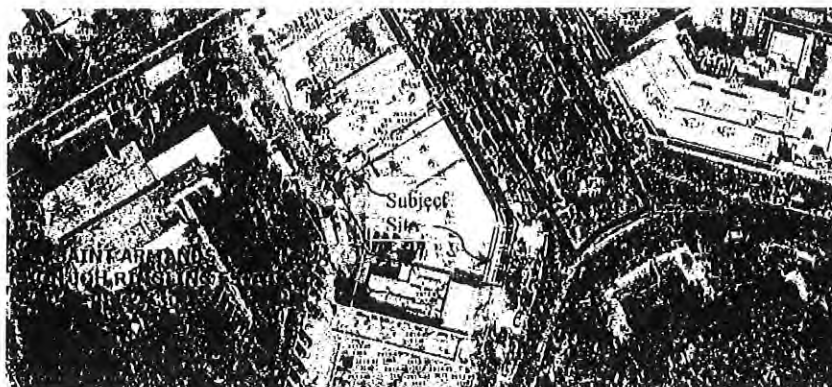
Earth Science, Inc. is pleased to provide you with this First Event, General Report for that LSSI investigation performed for the discharge reporting at the subject site. The work order was performed in accordance with the scope of work specified for the First Event under Work Order #2012-95-W97105, with the following exceptions:

- Shallow monitor well MW-11, which is an off-site monitor well located in a median, could not be readily located in the field and presumed destroyed or covered by that landscaping material installed by others. Verbal notification that this well could not be located to perform groundwater sampling was provided to the FDEP from the field on January 30, 2012.
- Total petroleum hydrocarbon (TPH) analysis using the FLPRO method could not be performed on the groundwater sample collected from shallow monitor well MW-1. The Accutest Laboratories, extractions group used that sample aliquot provided for TPH analysis for an internal quality assurance (QA) for EPA method 8082. Email notification on this occurrence was provided to the FDEP on February 6, 2012.

Subject Site Location

The subject site is located at 1 N. Boulevard of Presidents, Sarasota, Sarasota County, FL (Figure 1). The geographic location is Section 26, Township 36S, Range 17E. As depicted in the following 2012, aerial photograph, the subject site is bound to the east by Boulevard of Presidents and St. Armands

Circle. To the north and south the subject property is bound by zero-lot line, commercial parcels. To the west is an alley and then commercial property.



Source: Sarasota County, Geographic Information Systems, 2012.

The subject location occupies approximately 0.35-acres and is commercially operated, with 10 retail units. The Sarasota County Parcel ID # is 2014-05-0143. Figure 1 depicts the building layout and shows the historical underground storage tank (UST) system layout and well locations.

The one-story, 9,002 square foot (ft²) building has masonry and metal exterior construction. The interior flooring is concrete, with various finished surface coverings. The parking areas are asphalt covered with concrete patchwork. The facility is serviced by public utilities for water and sewer.

The area of investigation was located in front and behind the building (Figure 1). Overhead restrictions in the area of investigation include overhead utilities. Subsurface utilities were also noted in the area of investigation and are denoted on Figure 1. Photo documentation of the area of investigation is provided as Attachment 1.

Background and Description of Previous Assessment Work

A discharge reporting was submitted for the subject site on January 24, 1991. The method of discovery was noted as "UST closure assessment." It was unknown as to the cause or what part of the storage system was leaking. The Florida Department of Environmental Protection (FDEP) correspondence dated June 28, 1991 documents that the contamination related to the storage of petroleum products at the site was eligible for state funded cleanup under the ATRP Program.

In 1991, multiple UST's that stored leaded and unleaded gasoline, as well as used oil, were excavated and removed from the subject site under the observation of Environmental Science & Engineering, Inc. The location of each former UST and the limits of excavations performed at the site are depicted on Figure 1. A copy of the Underground Storage Tank Removal Report is on file with the FDEP as Oculus file # 000643634. Excessively contaminated soils and groundwater impacts were documented at this site through the performance of a site assessment (Oculus file # 00064637). Proposed remedial actions (Oculus file #'s 00064574, 00064571, and 00064572) were subsequently approved by the FDEP on September 6, 1993 (Oculus file #00064552). The remedial system (soil vapor extraction) was operational in May 1994. Remedial actions were subsequently suspended when the reimbursement program ended and funding for the site was not available given its low priority score. The aboveground remedial equipment and fenced compound were subsequently removed from the site in 1999.



Discharge Report Form

PLEASE PRINT OR TYPE

DEP Form # 62-761 (2001)

Form Title Discharge Report Form

Effective Date

Instructions are on the reverse side. Please complete all applicable blanks.

3038 91.130

1. Facility ID Number (if registered): 588675129 2. Date of form completion: 10-11-02

3. General information
Facility name or responsible party (if applicable): Sarasota Yacht Club
Facility Owner or Operator, or Discharger: Sarasota Yacht Club
Contact Person: Dave Campbell Telephone Number: (407) 365-4191 County: Sarasota
Facility or Discharger Mailing Address: 1100 John Ringling Boulevard, Sarasota, Florida 34236
Location of Discharge (street address): 1100 John Ringling Boulevard, Sarasota, Florida
Latitude and Longitude of Discharge (if known): _____

4. Date of receipt of test results or discovery of confirmed discharge: 10-11-02 month/day/year 5. Estimated number of gallons discharged: Unknown

6. Discharge affected: Air Soil Groundwater Drinking water well(s) Shoreline Surface water (water body name)

7. Method of discovery (check all that apply)
 Liquid detector (automatic or manual) Internal inspection Closure/Closure Assessment
 Vapor detector (automatic or manual) Inventory control Groundwater analytical samples
 Tightness test Monitoring wells Soil analytical tests or samples
 Pressure test Automatic tank gauging Visual observation
 Statistical Inventory Reconciliation Manual tank gauging Other _____

8. Type of regulated substance discharged: (check one)
 Unknown Used/waste oil Jet fuel Heating oil New/lube oil
 Gasoline Aviation gas Diesel Kerosene Mineral acid
 Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives
(write in name or Chemical Abstract Service (CAS) number) _____
 Other _____

9. Source of Discharge: (check all that apply)
 Dispensing system Pipe Barge Pipeline Vehicle
 Tank Fitting Tanker ship Railroad tankcar Airplane
 Unknown Valve failure Other Vessel Tank truck Drum
 Other _____

10. Cause of the discharge: (check all that apply)
 Loose connection Puncture Spill Collision Corrosion
 Fire/explosion Overfill Human error Vehicle Accident Installation failure
 Other Unknown

11. Actions taken in response to the discharge: Tanks and piping were removed and replaced

12. Comments: _____

13. Agencies notified (as applicable):
 State Warning Point 1-800-320-0519 National Response Center 1-800-424-8802 Florida Marine Patrol (800) 342-5367 Fire Department DEP (district/person) County Tank Program

14. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.
Ron Bledsoe Printed Name of Owner, Operator or Authorized Representative, or Discharger
Ron Bledsoe Signature of Owner, Operator or Authorized Representative, or Discharger



SARASOTA COUNTY
"Dedicated to Quality Service"

RECEIVED
D.E.P.
2002 OCT 28 PM 4: 22
STORAGE TANK
REGULATION

October 21, 2002

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ronald Bledsoe
1100 John Ringling Boulevard
Sarasota, FL 34236

Subject: Facility #588516507
Sarasota Yacht Club
110 John Ringling Boulevard
Sarasota, FL

Dear Mr. Bledsoe:

On July 10, 2002, Sarasota County Environmental Services, Air and Water Quality Protection, under contract with the Department of Environmental Protection (Department), conducted an inspection of your pollutant storage tank facility. Contamination was discovered on October 11, 2002 and a Discharge Reporting Form (DRF) was filed with the Department.

If free product attributable to this discharge is present at your site, the responsible party must take steps to obtain cleanup services for product recovery or initiate product recovery within three days of discovery of free product. Product recovery shall be performed in accordance with Rule 62-770.300, Florida Administrative Code (F.A.C.).

Further, you are obligated to initiate a Site Assessment within 30 days of discovery of the contamination in accordance with Chapter 62-770, F.A.C. Within 270 days of discovery of contamination, two copies of a Site Assessment Report (SAR) shall be submitted by the responsible party to:

Curtis R. Smith, Environmental Specialist III
Air and Water Quality Protection
2817 Cattlemen Road
Sarasota, FL 34232

After submittal of the SAR, please be advised that additional requirements for cleanup of the contamination may apply. **Within 14 days after receipt of this letter, you must provide the Department with written notification detailing actions to be taken.** If you have any questions, please contact me at (941) 861-6265.



SARASOTA COUNTY

"Dedicated to Quality Service"

October 21, 2002

RECEIVED
D.E.P.
2002 OCT 28 PM 4:21
STORAGE TANK
REGULATION

Lewis J. Cornman, Environmental Specialist III
Department of Environmental Protection
Storage Tank Regulation
2600 Blair Stone Road, MS 4525
Tallahassee, FL 32399-2400

Subject: Discharge Report Form

Dear Mr. Cornman:

Enclosed please find a Discharge Report Form for a site that has exceeded Chapter 62-770, Florida Administrative Code, standards.

Please call me at Suncom 549-6220 if you have any questions.

Sincerely,

Eugene Chernov, CECM
Environmental Supervisor
Air and Water Quality Protection

Enclosures

cc: Leslie Pedigo, Environmental Specialist III, Storage Tanks, Department of
Environmental Protection, Tampa

DRF02.011

Option to apply for Site Rehabilitation Funding Allocation Agreement for sites with existing contamination eligible for state-funded cleanup.

If this site has previously existing petroleum contamination which is eligible for cleanup funding from the Inland Protection Trust Fund under the Early Detection Incentive Program, Abandoned Tank Restoration Program, Petroleum Liability and Restoration Insurance Program or Petroleum Cleanup Participation Program, Section 376.30714, Florida Statutes, provides interested persons an option to apply to the Department to enter into a Site Rehabilitation Funding Allocation agreement with the Department. The agreement will establish the respective funding allocations of the Department and the applicant for cleanup of the combined discharges, and will establish the priority in which such cleanup will occur. In such an agreement, the Department will be responsible for cleanup of no more than the existing eligible contamination and the applicant will be responsible for cleanup of no more than the new discharge. Applicants wishing to take advantage of this option must submit a Limited Contamination Assessment Report (LCAR) and Application for Site Rehabilitation Funding Allocation Agreement to the Department within 120 days of the date of discovery of the new discharge. Until such time as the application is submitted to the Department with a complete LCAR, you remain obligated to perform the site assessment activities set forth in Chapter 62-770, F.A.C. In all cases, the owner, operator or responsible party must remove free product attributable to the new discharge in accordance with Chapter 62-770, F.A.C. A copy of program information and requirements, minimum content of the LCAR, and application form, may be obtained by contacting the Bureau of Petroleum Storage Systems, at (850) 488-3935, or at the Bureau's internet web site address at www.dep.state.fl.us/waste/key_areas/pss/default.htm.

Sincerely,



Curtis R. Smith

Environmental Specialist III

Air and Water Quality Protection

cc: Grace Rivera, Environmental Manager, Bureau of Petroleum Storage Systems,
Department of Environmental Protection, Tallahassee
Leslie Pedigo, Environmental Specialist III, Tanks Section, Department of Environmental
Protection, Tampa
Marc Swartz, Engineer II, Coordinator, Environmental Health Services

SAR02.091

**REMEDIAL ACTION PLAN
SARASOTA YACHT CLUB — 1100 JOHN RINGLING BOULEVARD
SARASOTA, FLORIDA 34236**

Prepared for:



**Debbie Looney & Associates, Inc.
9491 Cove Avenue
Pensacola, Florida 32534**

and



**Sarasota Yacht Club
1100 John Ringling Boulevard
Sarasota, Florida 34236**

Prepared by:

ENSAFE

**EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
(901) 372-7962
www.ensafe.com**

Date:

April 4, 2006

Phil Hardy, CHMM
Project Manager

Ben Brantley, P.G.
Peer Reviewer

Claire Barnett, P.E.
Professional Engineer/Reviewer

Phil Hardy

Signature

Ben Brantley

Signature

Claire Barnett

Signature

EXECUTIVE SUMMARY

EnSafe Inc. was retained by Debbie Looney & Associates, Inc. to prepare this Remedial Action Plan (RAP) to develop a technical strategy for addressing petroleum hydrocarbon constituents identified in soil at the Sarasota Yacht Club (SYC). The petroleum hydrocarbon constituents were above the Florida Department of Environmental Protection (FDEP) Soil Cleanup Target Levels (SCTLs) cited in Chapter 62-777, Florida Administrative Code (FAC). The Facility Identification Number for the SYC is 8516507. This RAP has been prepared in general accordance with Chapter 62-770, FAC, for review by the Sarasota County Environmental Services (SCES).

The SYC was incorporated in 1926 and has operated as a yacht club at its current location along Coon Key on Sarasota Bay since 1940. During 2002, a 2,000-gallon gasoline underground storage tank (UST) and a 4,000-gallon diesel UST were removed at the SYC, and replaced by a single 12,000-gallon gasoline UST. A closure assessment performed in May 2002 determined that petroleum hydrocarbon contamination was present in soil and groundwater in the former tank vault and the valve box area at the end of the pipe run. A site assessment performed in 2003 confirmed the presence of polynuclear aromatic hydrocarbons (PAHs) above the SCTLs. Minor PAH contamination was found in groundwater. Follow-up investigations were performed in 2003 and 2005. The 2003 follow-up determined the presence of benzo(a)pyrene in soil above the SCTL, while the 2005 assessment revealed benzo(a)pyrene equivalents above the SCTL.

The SCES has requested that the SYC develop a RAP to address petroleum-contaminated soil and groundwater at the site.

This RAP presents two alternatives: (1) excavation of hot spots and leachability criteria exceedances for unrestricted use, with offsite disposal; and (2) capping of contaminated soil, with no further action (NFA)/institutional controls. Per FDEP regulations and the SCES's requirements, one year of groundwater monitoring is required under both alternatives to ensure there is no leaching of petroleum constituents to site groundwater.

Under the soil removal alternative, approximately 84 cubic yards (yd³) (110 tons) of petroleum-contaminated soil would be removed from the site for thermal treatment and disposal. Clean soil would be used to backfill the excavated area. One year of quarterly groundwater monitoring would be conducted to ensure that petroleum products have not leached to site groundwater.

Under the capping alternative, approximately 2,100 square feet in the contaminated area would be capped with 4 inches of concrete or asphalt. One year of quarterly groundwater monitoring would be conducted to ensure that petroleum products have not leached to site groundwater. An

institutional control would be implemented for the capped area, and NFA with conditions granted after a year of site groundwater data is collected.

The selected alternative is excavation of hot spots and leachability criteria exceedances. This alternative is protective of the environment, precludes the need for capping the contaminated area and would allow for a future unrestricted reuse of the site. No maintenance or institutional controls will be required, and no precautions will be necessary for invasive work in the currently contaminated area under the soil removal alternative. After one year of groundwater monitoring data is collected, should these data show there is no petroleum contamination above FDEP standards, a Site Rehabilitation Completion Order for soil and groundwater can be requested from the SCES.

2.0 SITE BACKGROUND AND ENVIRONMENTAL HISTORY

2.1 Background

The SYC was incorporated in 1926 and has operated as a yacht club at its current location along Coon Key on Sarasota Bay since 1940. Figure 1 is a site location map that shows the SYC relative to the local area. The SYC has a large club house and dining room, and indoor and outdoor recreational facilities. A large swimming pool is located south of the dining room. Three boat docking piers are located along the seawall to the east of the facility. A large parking lot is to the west. The SYC underwent improvements/expansion over the years, with new facilities added in 1958, 1963, 1971, 1978, 1991, and 1998.

2.2 Environmental History

2.2.1 Tank Closure Assessment

During 2002, a 2,000-gallon gasoline underground storage tank (UST) and a 4,000-gallon diesel UST were removed at the SYC, and replaced by a single 12,000-gallon gasoline UST. A Closure Assessment was performed by Environmental Safety Consultants, Inc. (ESC) in May 2002, and a Closure Assessment Report was published on September 25, 2002. The Closure Assessment Report determined that petroleum hydrocarbon contamination was present in soil and groundwater in the former tank vault and the valve box area at the end of the pipe run and that further assessment was required per the applicable FDEP regulations. On October 11, 2002, a Discharge Release Form outlining the release was submitted to the Sarasota County Environmental Services (SCES) (the agency under contract with the FDEP, Bureau of Petroleum Storage Systems to handle petroleum program issues in Sarasota County). Figure 2 shows the basic layout and location of the SYC's USTs and associated piping.

2.2.2 2003 Site Assessment

During 2003, a contamination assessment was performed by ESC that included an organic vapor survey, the advancement of six soil borings with associated soil sampling, and the installation and sampling of four permanent monitoring wells and three temporary wells.

Soil analytical results reported in ESC's April 18, 2003, Site Assessment Report (SAR) revealed the presence of polynuclear aromatic hydrocarbons (PAHs) above the SCTLs. Minor PAH contamination was found in groundwater. ESC concluded that there would likely be no further impact to site groundwater if contaminated soils remained in place, and recommended to the SCES that the site be considered for natural attenuation monitoring. The SCES responded that further assessment was warranted to delineate soil and groundwater PAH contamination in the vicinity of boring B3 and well TMW-1 (see the map in the inset box on page 5).

Table 1
Distribution of PAH Contamination
Sarasota Yacht Club

Parameter	SCTL		Leachability	Sample Location			
	Residential	B3		B8	B13	B18	B20
Acenaphthene	2,400	3,280 ^c	2,100	23,600 ^c	617	204	206
Acenaphthylene	1,800,000	56.7	27,000	ND	11.6	ND	16.1
Anthracene	21,000,000	85.3	2,500,000	826	31.2	11.6	52.2
Benzo(g,h,i)perylene	2,500,000	ND	32,000,000	ND	132.0	53.3	75.3
Fluoranthene	3,200,000	1,460	1,200,000	10,200	388	131	677
Fluorene	2,600,000	ND	160,000	ND	18	ND	70.7
1-Methylnaphthalene	200,000	ND	3,100	ND	ND	ND	81.1
2-Methylnaphthalene	210,000	804	8,500	8,630 ^b	224	64.8	257
Naphthalene	55,000	439	1,200	ND	82.6	36.4	26.3
Phenanthrene	2,200,000	289	250,000	2,460	109	37	240
Pyrene	2,400,000	791	880,000	6,670	286	96.3	318
Benzo(a)pyrene Equivalent Concentrations (BEQs)							
Benzo(a)anthracene	—	427	—	4,850	158	61.8	ND
Benzo(b)fluoranthene	—	608	—	6,930	180	70.4	67.9
Benzo(k)fluoranthene	—	249	—	2,280	78.2	29.3	49.1
Chrysene	—	587	—	5,240	202.0	80.6	123
Dibenz(a,h)anthracene	—	225	—	798	65	25.8	ND
Indeno(1,2,3-cd)pyrene	—	ND	—	3,350	129	48.2	74
Benzo(a)pyrene	100	461 ^a	8,000	3,730 ^a	168 ^a	57.9	70.4
BEQs	100	792.58 ^a	8,000	6,069.04 ^a	280.68 ^a	102.11 ^a	85.2

Notes:

All concentrations listed are in micrograms per kilogram (µg/kg)

a = Exceeds residential SCTL

b = Exceeds leachability SCTL

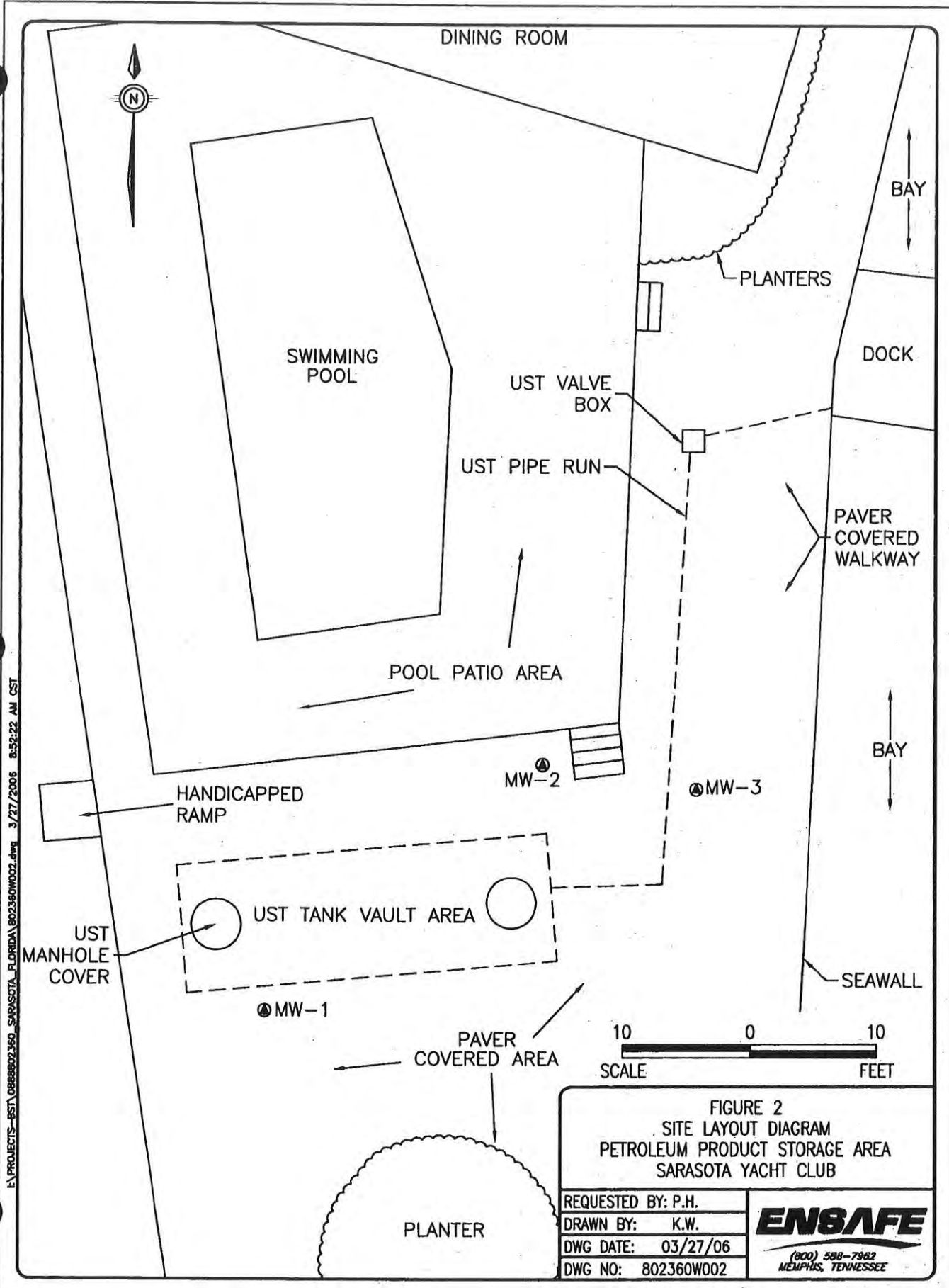
c = Exceeds both residential and leachability SCTLs

BEQ = Benzo(a)pyrene equivalent concentration. Calculated for select PAHs based on guidance contained in Chapter 62-777, FAC, Table 2, Soil Cleanup Target Levels

ND = Not detected

PAH = Polynuclear Aromatic Hydrocarbon

SCTL = Soil Cleanup Target Level, from Chapter 62-777, FAC, Table 2, Soil Cleanup Target Levels



I:\PROJECTS-EST\0888602360_SARASOTA_FLORIDA\602360W002.dwg 3/27/2006 8:52:22 AM CST

FIGURE 2
SITE LAYOUT DIAGRAM
PETROLEUM PRODUCT STORAGE AREA
SARASOTA YACHT CLUB

REQUESTED BY: P.H.	 <small>(800) 588-7982 MEMPHIS, TENNESSEE</small>
DRAWN BY: K.W.	
DWG DATE: 03/27/06	
DWG NO: 802360W002	



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

August 1, 2008

CERTIFIED MAIL #7008 0150 0001 8479 8781
RETURN RECEIPT REQUESTED

Mr. Harry O. Maines
Sarasota Yacht Club
1100 John Ringling Boulevard
Sarasota, FL 34236

Initials _____

Subject: Site Rehabilitation Completion Order
Sarasota Yacht Club
1100 John Ringling Blvd
Sarasota, Sarasota County
FDEP Facility ID# 588516507
Discharge Date: October 11, 2002 (Non-program)

Dear Mr. Maines:

Sarasota County Air Quality/Storage Tank Management has reviewed the Site Rehabilitation Completion Report (SRCR) and No Further Action Proposal (NFAP) dated May 19, 2008 (received May 20, 2008), prepared and submitted by Florida Geotechnical Engineering, Inc., for the petroleum product discharge referenced above. Documentation submitted with the SRCR/NFAP confirms that criteria set forth in Subsection 62-770.680(1), Florida Administrative Code (F.A.C.), have been met. Please refer to the attached maps of the source property and analytical summary tables. The SRCR/NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (SRCO). Therefore, you are released from any further obligation to conduct site rehabilitation at the facility for petroleum product contamination associated with the discharge referenced above, except as set forth below.

- (1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the facility, the Florida Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the SRCR/NFAP or otherwise allowed by Chapter 62-770, F.A.C.
- (2) Additionally, you are required to properly abandon all monitoring wells within 60 days of receipt of this Order. The monitoring wells must be plugged and abandoned in accordance with the requirements of Subsection 62-532.500(4), F.A.C.

"More Protection, Less Process"

www.dep.state.fl.us/waste/categories/pcp/default.htm

Mr. Harry O. Maines
FDEP Facility ID# 588516507
August 1, 2008
Page two

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for an administrative hearing are set forth below.

Persons affected by this Order have the following options:

- (A) If you choose to accept the Department's decision regarding the SRCR/NFAP you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
 - (1) File a request for an extension of time to file a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for an administrative hearing; or
 - (2) File a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for an Administrative Hearing

For good cause shown, pursuant to Subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Sarasota Yacht Club, shall mail a copy of the request to Sarasota Yacht Club at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for an administrative hearing must be made.

How to File a Petition for an Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Sarasota Yacht Club, shall mail a copy of the petition to Sarasota Yacht Club at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S. and Rule 28-106.201, F.A.C., a petition for an administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the facility owner's name and address, if different from the petitioner; the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for an administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the Department's clerk (see below).

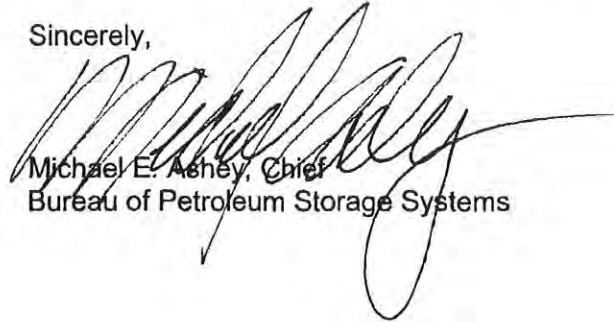
Questions

Any questions regarding Sarasota County Air Quality/Storage Tank Management's review of your SRCR/NFAP should be directed to Donald H. Simpson at (941) 861-6229. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for an administrative hearing or a request for an extension of time to file a petition for an administrative hearing.

Mr. Harry O. Maines
FDEP Facility ID# 588516507
August 1, 2008
Page four

The FDEP Facility Number for this facility is 588516507. Please use this identification on all future correspondence with the Department or Sarasota County Air Quality/Storage Tank Management.

Sincerely,



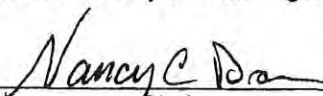
Michael E. Ashby, Chief
Bureau of Petroleum Storage Systems

MEA/dhs

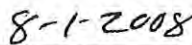
Attachments

cc: Laurel Culbreth, FDEP Southwest District Office
Donald H. Simpson, Sarasota County Air Quality/Storage Tank Management
Christian Gunn, Florida Geotechnical Engineering, Inc. P.O. Box 76006, Tampa, FL.
33675-1006
Marc Swartz, Department of Health, Sarasota County
File

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to
§120.52 Florida Statutes, with the
designated Department Clerk, receipt
of which is hereby acknowledged.



Clerk
(or Deputy Clerk)



Date

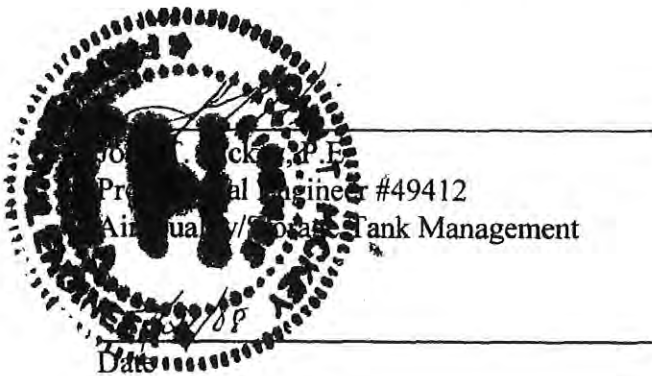
P.E. CERTIFICATION

Site Rehabilitation Completion Report/No Further Action Proposal dated May 19, 2008 (received May 20, 2008), for Sarasota Yacht Club, located at 1100 John Ringling Blvd., Sarasota, FL, DEP Facility ID #588516507.

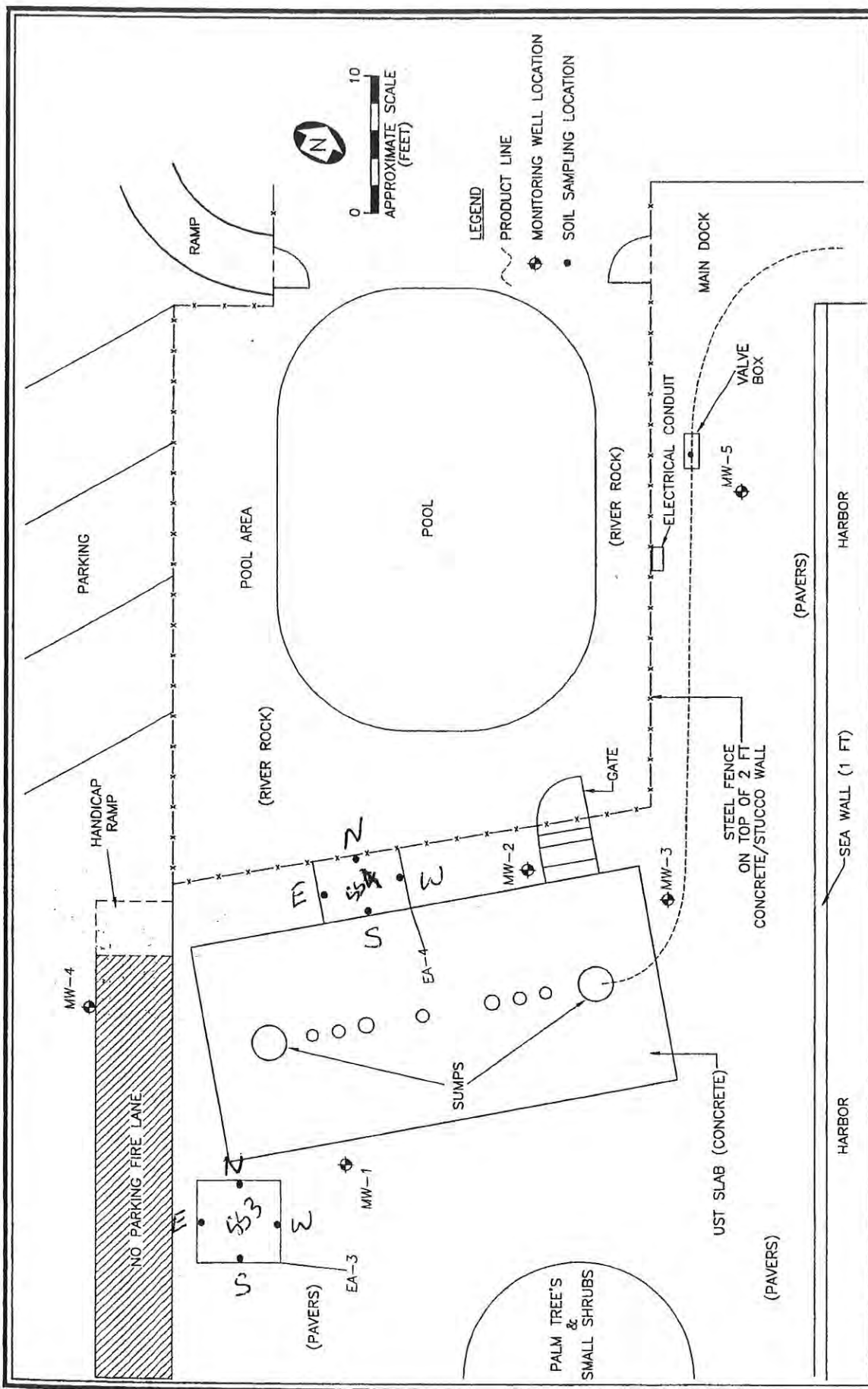
I hereby certify that in my professional judgment, the components of this Site Rehabilitation Completion Report/No Further Action Proposal prepared for the October 11, 2002 petroleum product discharge discovered at the above-referenced facility satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report on the effectiveness of the remedial action which has been conducted (confirmed by subsequent Natural Attenuation Monitoring) provide reasonable assurances that the site rehabilitation objectives stated in Chapter 62-770, F.A.C., have been met.

_____ I personally completed this review.

 X This review was conducted by Donald H. Simpson, Environmental Specialist III, working under my direct supervision.



RAP08.249



EBE
 Edwards & Belyea Environmental, Inc.

2007-2008 Soil + Gw data



Florida Department of Environmental Protection
 Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
 Division of Waste Management
 Petroleum Storage Systems
 Storage Tank Facility Routine Compliance Site Inspection Report

Facility Information:

Facility ID: 8516507 County: SARASOTA Inspection Date: 04/12/2018
 Facility Type: V - Marine/Coastal Fuel
 Facility Name: SARASOTA YACHT CLUB # of Inspected ASTs: 0
 1100 JOHN RINGLING BLVD USTs: 1
 SARASOTA, FL 34236 Mineral Acid Tanks: 0
 Latitude: 27° 19' 19.567"
 Longitude: 82° 34' 6.2878"
 LL Method: DPHO

Inspection Result:

Result: In Compliance

Signatures:

TKSRPC - SARASOTA COUNTY AIR QUALITY/STORAGE TANK MGMT (941) 861-0814

Storage Tank Program Office and Phone Number

Maggie A Murphy

Will Stocke

Inspector Name

Representative Name

No Signature

Inspector Signature

Representative Signature

**Principal Inspector
 SARASOTA COUNTY AIR QUALITY/STORAGE
 TANK MGMT**

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J, requires Operator Training at all facilities by October 13, 2018. For further information please visit: <https://floridadep.gov/waste/permitting-compliance-assistance/content/underground-storage-tank-operator-training>

Financial Responsibility:

Financial Responsibility: INSURANCE

Insurance Carrier: COMMERCE & INDUSTRY

Effective Date: 03/03/2017

Expiration Date: 03/03/2019

Facility ID: 8516507

Findings:

No training certificates are present.

Completed System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
Annual Operability Test	04/12/2018	Passed	04/26/2018	04/12/2019	
Annual Inline Leak Detector Test	07/01/2015	Passed	04/07/2016	07/01/2016	MLLD testing
Annual Inline Leak Detector Test	04/12/2018	Passed	04/24/2018	04/12/2019	MLLD
Annual Inline Leak Detector Test	03/07/2016	Passed	04/07/2016	03/07/2017	MLLD Testing

Reviewed Records

Record Category	Record Type	From Date	To Date	Reviewed Record Comment
Two Years	Monthly Maint. Visual Examinations and Results	04/06/2016	04/12/2018	
Two Years	Repair, Operation and Maintenance Records	04/06/2016	04/12/2018	

Site Visit Comments

04/12/2018

Inspection Date: 4/12/2018

By: Maggie Murphy of Sarasota county accompanied by Will Stocke.

Inspection Covers: One (1) registered in service underground storage tanks (USTs).

- Tank #6 –12000 gallons –two compartments- Diesel on dockside- regular on club house side.
 - Vent risers and caps presented as unremarkable.
- Overfill Protection:
- Positive Shut off valves in drop tubes
 - Drop tubes at the Fill risers appeared to be satisfactory.
 - The fill ports were properly marked at the time of the inspection.
 - The fill cap gaskets all presented in good condition.

Facility ID: 8516507

- The spill buckets appeared to be intact with no visible breaches or tears.
 - Integrity test on spill buckets performed on 4/12/2018 by petroleum technicians, passed.
- PIPING/SUMPS: pressurized system, with double-walled, fiberglass underground STP system.
- The piping is equipped with mechanical line leak detectors.
 - Line leak detector test performed by Petroleum Technicians on 4/12/2018 passed
 - All visible piping under dock presented in good condition.
 - Both STP sumps were dry, pump and components had minimal corrosion.
 - Transition sump was dry and had minimal corrosion (next to dock master office).
 - STP and Piping sump integrity test performed by Petroleum Technicians on 4/12/2018 passed.

DISPENSERS:

- One dock dispenser presented as unremarkable with a dry liner.
- Shear valves all properly anchored and secured.
- All fuel hoses, nozzles and break-away fittings presented as generally unremarkable.
- NO latch open devices on nozzles.
- Dispenser pan hydro test performed by Petroleum Technicians on 4/12/2018 passed.

Release Detection: The release detection method for the facility's UST system is visual monitoring for the interstice of UST including both STP Sumps, Dispenser liner, transition sump, and the double-wall spill buckets.

- Visual Maintenance logs and all relevant work orders and test. Reviewed 3/01/2016 to 4/12/2018 and found them to be complete and accurate.

Additional Records Reviewed:

- Placard: Current placard on display Dates: 2017 – 2018.
- Insurance Commerce and Industry 3/3/2016-3/3/2019.

Unable to capture signature copy of report provided via email to Will Stocke will.
stocke@sarasotayachtclub.org

Inspection Photos

Added Date 04/25/2018

tank field



Added Date 04/25/2018

transition



Facility ID: 8516507
Added Date 04/25/2018

dispenser



Added Date 04/25/2018

sump stp





Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.900(5)
Underground Storage Tank Installation & Removal Form for Certified Contractors
Effective Date: December 10, 1990
DER Application No. 97 MAY 13 11:25

Underground Storage Tank Installation and Removal Form For Certified Contractors

Pollutant Storage System Specialty Contractors as defined in Section 489.113, Florida Statutes (Certified contractors as defined in Section 17-761.200 Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards.

General Facility Information

- 1. DER Facility Identification No.: 58/95000 95
2. Facility Name: PLYMOUTH HARBOR Telephone: (941) 361-7514
3. Street Address (physical location): 700 JOHN RINGLING BOULEVARD SARASOTA FL 34236
4. Owner Name: PLYMOUTH HARBOR INC Telephone: (941) 361-7514
5. Owner Address:
6. Number of Tanks: a. Installed at this time 1 AST b. ABANDONED/Removed at this time 1
7. Tank(s) Manufactured by: UNKNOWN
8. Date Work Initiated: 5-1-97 9. Date Work Completed: 5/1/97

Underground Pollutant Tank Installation Checklist

Please certify the completion of the following installation requirements by placing an (X) in the appropriate box.

- 1. The tanks and piping are corrosion resistant and approved for use by State and Federal Laws.
2. Excavation, backfill and compaction completed in accordance with NFPA (National Fire Protection Association) 30(87), API (American Petroleum Institute) 1615, PEI (Petroleum Equipment Institute) RP100-87 and the manufacturers' specifications.
3. Tanks and piping pretested and installed in accordance with NFPA 30(87), API 1615, PEI/RP100(87) and the manufacturers' specifications.
4. Steel tanks and piping are cathodically protected in accordance with NFPA 30(87), API 1632, UL (Underwriters Laboratory) 1746, STI (Steel Tank Institute) R892-89 and the manufacturer's specifications.
5. Tanks and piping tested for tightness after installation in accordance with NFPA 30(87) and PEI/RP100-87.
6. Monitoring well(s) or other leak detection devices installed and tested in accordance with Section 17-761.640, Florida Administrative Code (F.A.C.)
7. Spill and overfill protection devices installed in accordance with Section 17-761.500, F.A.C.
8. Secondary containment installed for tanks and piping as applicable in accordance with Section 17-761.500, F.A.C.

Please Note: The numbers following the abbreviations (e.g. API 1615) are publication or specification numbers issued by these institutions

Underground Pollutant Tank Removal Checklist

- 1. Closure assessment performed in accordance with Section 17-761.800, F.A.C.
2. Underground tank removed and disposed of as specified in API 1604 in accordance with Section 17-761.800, F.A.C. N/A

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Regulation; that to the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 489 and Section 376.303, Florida Statutes and Chapter 17-761, Florida Administrative Code (and its adopted reference sources from publications and standards of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers (NACE), American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

JACK H. EUBANK

(Type or Print)

Certified Pollutant Tank Contractor Name

Pollutant Storage System Specialty Contractor License Number (PSSSC)

051757

PSSSC Number

Jack H Eubank

Certified Tank Contractor Signature

5-1-97

Date

(Type or Print)

Field Supervisor Name

Date

Field Supervisor Signature

Date

The owner or operator of the facility must register the tanks with the Department at least 10 days before the installation. The installer must submit this form no more than 30 days after the completion of installation to the Department of Environmental Regulation at the address printed at the top of page one.



Florida Department of Environmental Protection
 Twin Towers Office Bldg. 2600 Blair Stone Road. Tallahassee, Florida 32399-2400
 Division of Waste Management
 Bureau of Petroleum Storage Systems

Storage Tank Facility Annual Compliance Site Inspection Report

Facility Information:

Facility ID: 9500095 County: SARASOTA Inspection Date: 07/02/2010
 Facility Type: C -Fuel user/Non-retail
 Facility Name: PLYMOUTH HARBOR INC # Of Inspected ASTs: 1
 700 JOHN RINGLING BLVD USTs: 0
 SARASOTA, FL 34236 Mineral Acid Tanks: 0
 Latitude: 27° 19' 14.0108"
 Longitude: 82° 34' 11.1041"
 LL Method: AGPS

Inspection Result:

Result : In Compliance
 Description: Facility is In Compliance.

Financial Responsibility

Financial Responsibility: INSURANCE
 Insurance Carrier: COMMERCE & INDUSTRY
 Effective Date: 11/21/2009 Expiration Date: 11/21/2010

Signatures:

TKSRPC - SARASOTA COUNTY AIR QUALITY/STORAGE TANK MGT

Storage Tank Program Office

(941) 861-6230

Storage Tank Program Office Phone Number

Kenneth Wall
 INSPECTOR NAME

Rick Battaglia
 REPRESENTATIVE NAME

Kenneth Wall

Rick Battaglia

INSPECTOR SIGNATURE

REPRESENTATIVE SIGNATURE

Reviewed Records

Facility ID: 9500095

Reviewed Records

Record Category	Record Type	From Date	To Date	Reviewed Record Comment
Two Years	Repair, Operation and Maintenance Records	12/18/2008	07/02/2010	
Life Time	Written Release Detection Response Level Info	07/02/2010	07/02/2010	
Two Years	Certificate of Financial Responsibility	11/21/2009	11/21/2010	
Two Years	Monthly Maint. Visual Examinations and Results	12/18/2008	07/02/2010	

Site Visit Comments

07/02/2010

Release detection methods for the facility's AST system are outlined on the RDRL, and the RDRL is attached to the Facility Information.

Current tank registration placard is on site.

CFR was completed during the inspection.

Monthly release detection check records for the AST system for January 2009 through June 2010 are satisfactory and well organized.

The 3,000-gallon double-wall steel UL-142 AST is in good condition.

Above ground steel supply and return product piping, between the AST and the transfer pump located on the ground floor, are satisfactory.

A mechanical antisiphon valve is installed on the supply product line at the AST. Block valves are installed on the product lines at the AST.

The steel spill container is satisfactory, and the spill container is marked to identify the product stored in the tank (a lock is installed on the spill container).

The Kruger level gauge appears to be OK.



Facility Information:

Facility ID: 9500095 County: SARASOTA Inspection Date: 09/26/2018
 Facility Type: C - Fuel user/Non-retail
 Facility Name: PLYMOUTH HARBOR ON SARASOTA BAY # of Inspected ASTs: 1
 700 JOHN RINGLING BLVD USTs: 0
 SARASOTA, FL 34236-1542 Mineral Acid Tanks: 0
 Latitude: 27° 19' 14.6347"
 Longitude: 82° 34' 13.2444"
 LL Method: DPHO

Inspection Result:

Result: In Compliance

Signatures:

TKSRPC - SARASOTA COUNTY AIR QUALITY/STORAGE TANK MGMT (941) 861-0814

Storage Tank Program Office and Phone Number

Maggie A Murphy

Marty Martel

Inspector Name

Representative Name

No Signature

Inspector Signature

Representative Signature

Principal Inspector

Plymouth Harbor

SARASOTA COUNTY AIR QUALITY/STORAGE TANK MGMT

Jeremy Randall

Keith Floyd

Representative Name

Representative Name

No Signature

No Signature

Representative Signature

Representative Signature

Power Secure

Power Secure

Facility ID: 9500095

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J, requires Operator Training at all facilities by October 13, 2018. For further information please visit: <https://floridadep.gov/waste/permitting-compliance-assistance/content/underground-storage-tank-operator-training>

Financial Responsibility:

Financial Responsibility: INSURANCE

Insurance Carrier: COMMERCE & INDUSTRY

Effective Date: 11/21/2018

Expiration Date: 11/21/2019

Completed System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
Breach of Integrity Test	10/25/2018	Passed	12/17/2018	10/25/2018	secondary containment integrity test crompco
Annual Operability Test	11/28/2018	Passed	12/17/2018	11/28/2019	overflow and leak detection alarms.

Site Visit Comments

09/20/2018

09/20/2018

> Received notification from Marty Martel that Power Secure had installed a new tank at the site that will replace the current 3000-gallon tank. The tank is an 8000-gal UL 2085 and is currently at the site and installed into the system. I visited the site immediately to observe the changes and advise the representatives of the needed test. The old tank (3000 gallon had been relocated to the lower cement slab with no evidence of any leaks.) Sludge masters filtered and transferred 2600 gallons of fuel from the old tank into the new tank. The new tank was utilizing the existing steel piping with mechanical anti siphon valve

09/27/2018

9/27/2018 Received an email from Adam Daniel with information regarding the new tank not limited to insurance policy placard tank specs and EQ #'s would meet at site next day to go over what is needed next.

09/28/2018

9/28/2018 Met with representative of Powersecure to go over needed test to be performed on the newly installed tank.; The following tank and components were present and have corresponding EQ #'s if applicable;

Tank Envirosafe 8,000-gallon tank: EQ-239

TMS300 Pneumercator: EQ-303

Facility ID: 9500095

Krueger Leak Gauge: EQ-675

Morrison Clock Gauge (with alarm and STD. float) 918: EQ-861

Overfill Protection Valve: EQ-851.

On top of tank aluminum overspill bucket

Two Emergency vents

One stack vent

One Manway

11/25/2018

Jim Sullivan of Crompco performed integrity test on the tank 10/25/2018. The secondary containment test on the tank outer wall (sub basin) passed.

Test was two hour Hg test that was stated at 1:38 with starting pressure at 6 and completed at 3:39 with ending pressure at 6. I was unable to witness the test and certified results were provided to me by email.

11/28/2018

Met with Jeremy Randall and Keith Floyd of Power secure on 11/28/2018 to see that overfill alarm and leak detection alarm worked properly. The sensors both alarmed on the Pneumercator which was located on the wall of the garage next to tank. This date would be used as the last annual test performed

Attachment Documents

- integrity test
- manifest for fuel transfer

Inspection Photos

Added Date 12/17/2018

end of new tank



Added Date 12/17/2018

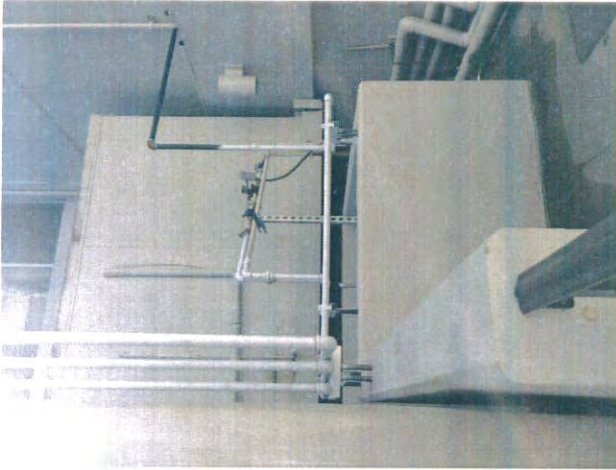
New tank with all components



Facility ID: 9500095

Added Date 12/17/2018

pipng



Added Date 12/17/2018

pneumercator tms 3000





Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400



Underground Storage Tank Installation and Removal For Certified Contractors

Pollutant Storage System Specialty Contractors as defined in Section 489.113, Florida Statutes (Certified contractors as defined in Section 17-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards.

General Facility Information

- 1. DER Facility Identification No.: N/A 589401473
2. Facility Name: 243 Robin Drive HARRIS RESIDENCE Telephone: (708) 615-0200
3. Street Address (physical location): 243 Robin Drive Bird Key, Sarasota, Florida 34236
4. Owner Name: Mr. David Harris Telephone: (708) 615-0200
5. Owner Address: 190 Ahwahnee Road, Lake Forest, Illinois 60045
6. Number of Tanks: a. Installed at this time b. Removed at this time 1
7. Tank(s) Manufactured by: N/A
8. Date Work Initiated: 5/19/94 9. Date Work Completed: 5/19/94

Underground Pollutant Tank Installation Checklist

Please certify the completion of the following installation requirements by placing an (X) in the appropriate box.

- 1. The tanks and piping are corrosion resistant and approved for use by State and Federal Laws.
2. Excavation, backfill and compaction completed in accordance with NFPA (National Fire Protection Association) 30(87), API (American Petroleum Institute) 1615, PEI (Petroleum Equipment Institute) RP100-87 and the manufacturers' specifications.
3. Tanks and piping pretested and installed in accordance with NFPA 30(87), API 1615, PEI/RP100(87) and the manufacturers' specifications.
4. Steel tanks and piping are cathodically protected in accordance with NFPA 30(87), API 1632, UL (Underwriters Laboratory) 1746, STI (Steel Tank Institute) R892-89 and the manufacturer's specifications.
5. Tanks and piping tested for tightness after installation in accordance with NFPA 30(87) and PEI/RP100-87.
6. Monitoring well(s) or other leak detection devices installed and tested in accordance with Section 17-761.640, Florida Administrative Code (F.A.C.)
7. Spill and overflow protection devices installed in accordance with Section 17-761.500, F.A.C.
8. Secondary containment installed for tanks and piping as applicable in accordance with Section 17-761.500, F.A.C.

Please Note: The numbers following the abbreviations (e.g. API 1615) are publication or specification numbers issued by these institutions.

Underground Pollutant Tank Removal Checklist

- 1. Closure assessment performed in accordance with Section 17-761.800, F.A.C.
2. Underground tank removed and disposed of as specified in API 1604 in accordance with Section 17-761.800, F.A.C.



DER Form #	17-761.800(5)
Form Title	Underground Storage Tank Installation & Removal Form for Certified Contractors
Effective Date	December 10, 1990
DER Application No.	(Filed in by DER)

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Regulation; that to the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 489 and Section 376.303, Florida Statutes and Chapter 17-761, Florida Administrative Code (and its adopted reference sources from publications and standards of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers (NACE), American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

James Nuwer II

PCC 048381

(Type or Print)
Certified Pollutant Tank Contractor Name
Pollutant Storage System Specialty Contractor License Number (PSSSC)

PSSSC Number

Certified Tank Contractor Signature

5/19/94
Date

James Nuwer II

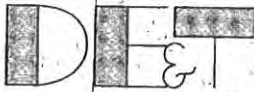
(Type or Print)
Field Supervisor Name

5/19/94
Date

Field Supervisor Signature

5/19/94
Date

The owner or operator of the facility must register the tanks with the Department at least 10 days before the installation. The installer must submit this form no more than 30 days after the completion of installation to the Department of Environmental Regulation at the address printed at the top of page one.



DUNKELBERGER ENGINEERING & TESTING, INC.

Geotechnical • Materials Testing/Inspection • Environmental

Sarasota County Department of Environmental Services
And Natural Resources
2817 Cattlemen Road
Sarasota, Florida 34232

May 22, 2006
Project No. SAR-05-352

SARASOTA COUNTY
AIR QUALITY
MAY 24 2006
STORAGE TANK MGMT.

Attention: Susan Murray
Environmental Specialist III

Subject: Soil and Groundwater Analysis
243 Robin Drive
DEP Facility #589401473
Sarasota, Florida

Dear Susan:

This letter is to address the comments stated in your letter dated February 17, 2006.

Comment #1

The site map provided with our initial report date December 20, 2005 is correct. The former tank location and excavation area were discussed with Mr. Wilkening, who was present during the initial excavation. Construction plans for the current residence were viewed and discussed with Mr. Wilkening to judge the excavation area placement with respect to the former and current structures on-site. The site plan provided by Environmental Science and Engineering places the excavation area off the Wilkening property and is in error with respect to the direction of north. Please refer to Attachment A for details.

Comment #2

The soil and groundwater sample location is outside of the former tank excavation area, within 2 to 3 feet to the northwest. Please refer to Attachment A for details.

Comment #3

A copy of the chain of custody is included as Attachment B.

Comment #4

A certification page for the document dated December 20, 2005 is included as Attachment C.

oOo

RECEIVED
DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2006 JUN 29 P 1:52

Very truly yours,

DUNKELBERGER ENGINEERING & TESTING, INC.



Ian Hanson, E.I.
Staff Engineer



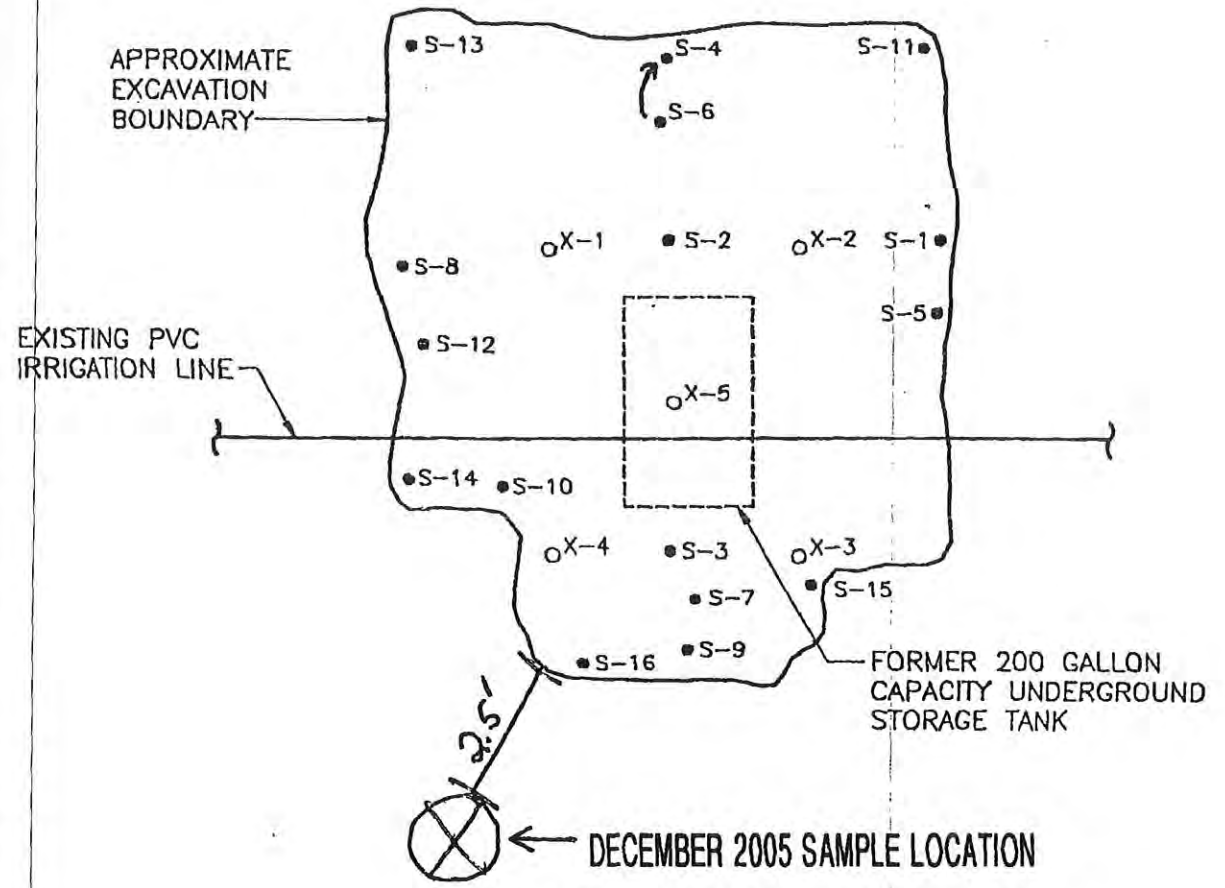
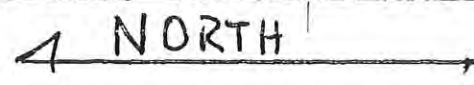
Paul H. Anderson, P.E. No. 55205
Geotechnical Services Manager
FL Registration No. 55205

- Attachment A: SE Site plan showing corrected north area and December 7 sample location
- Attachment B: Chain of custody for December 7, 2005 soil samples and the December 9, 2005 groundwater samples.
- Attachment C: Professional Engineer's Statement for document dated December 20, 2005

Cc: Kurt Wilkening



EXISTING STRUCTURE
243 ROBIN DRIVE



LEGEND

- X-4 SOIL BORINGS FROM 5/19/94
- S-9 SOIL BORINGS FROM 5/31/94

SOURCE: ESE, 1994 (DBH)

FIGURE 1
SITE PLAN
 HARRIS PROPERTY - 243 ROBIN DRIVE
 SARASOTA, FLORIDA

7/15/94



Environmental Science & Engineering, Inc.
 1575 Main Street • Sarasota, Florida 34

**Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Facility Inspection Cover Page
Facility Information**

District: SD
County: Sarasota
Facility ID#: 9401473
Name: Harris Residence
 243 Robin Dr
 Sarasota, FL 34236
Contact:
Phone: 708-615-0200

Type: Residential
Status: Closed
Latitude: 27:19:25.3519
Longitude: 82:33:35.2037
LL Method: DPHO
LL Status: REVIEWED
Status Date: 07//07/2008

Account Owner Information

Name: Harris, David
 190 Ahwahnee Rd
 Lake Forest, IL 60045
Phone: 708-615-0200

Effective Date: 08/18/1994
Placard#/Date: -

Tank Owner Information

Name: Harris, David
 190 Ahwahnee Rd
 Lake Forest, IL 60045
Phone: 708-615-0200

Effective Date: 08/18/1994

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor
1	300	Fuel Oil - Onsite Heat		UNDER	B			

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A or B).

No Insurance Documents found!

No OPEN violations found!

Discharge Information

Discharge Date	Cleanup Status	Score	Eligibility Info	Site Manager	Phone
05/19/1994	Completed	9	-	Murray_S	(941)861-0605

End of Data for Facility #: 9401473

**CSER
APPENDIX C**



Little Ringling Bridge

SR 789 Bird Key Dr to Sarasota Harbor West

Sarasota, FL 34236

Inquiry Number: 5931196.5

January 13, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

01/13/20

Site Name:

Little Ringling Bridge
SR 789 Bird Key Dr to Sarasot:
Sarasota, FL 34236
EDR Inquiry # 5931196.5

Client Name:

Madrid Engineering Group, Inc.
2030 State Road 60 East
Bartow, FL 33830
Contact: Scott Nyhof



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1998	1"=500'	Acquisition Date: December 31, 1998	USGS/DOQQ
1985	1"=500'	Flight Date: December 20, 1985	FDOT
1979	1"=500'	Flight Date: January 15, 1979	USGS
1971	1"=500'	Flight Date: December 31, 1971	USGS
1969	1"=500'	Flight Date: November 06, 1969	USGS
1962	1"=500'	Flight Date: March 28, 1962	USGS
1957	1"=500'	Flight Date: March 23, 1957	USDA
1948	1"=500'	Flight Date: February 02, 1948	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 5931196.5

YEAR: 2017

— = 500'





INQUIRY # 5931196.5

YEAR: 2013

— = 500'





INQUIRY #: 5931196.5

YEAR: 2010

— = 500'





INQUIRY #: 5931196.5

YEAR: 2007

— = 500'





INQUIRY #: 5931196.5

YEAR: 1998

— = 500'





INQUIRY #: 5931196.5

YEAR: 1998

— = 500'



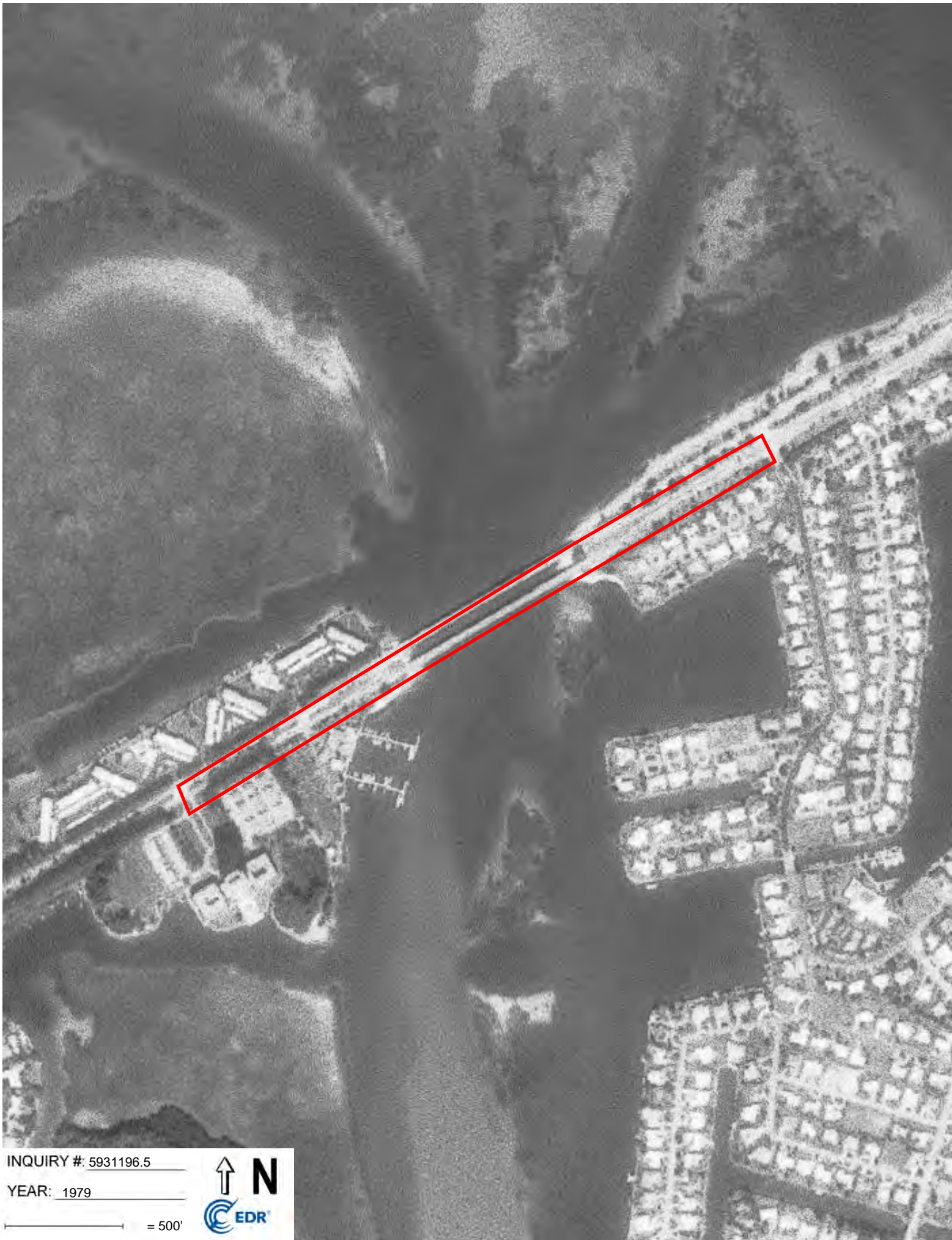


INQUIRY #: 5931196.5

YEAR: 1985

— = 500'





INQUIRY #: 5931196.5

YEAR: 1979

— = 500'





INQUIRY #: 5931196.5

YEAR: 1971

— = 500'



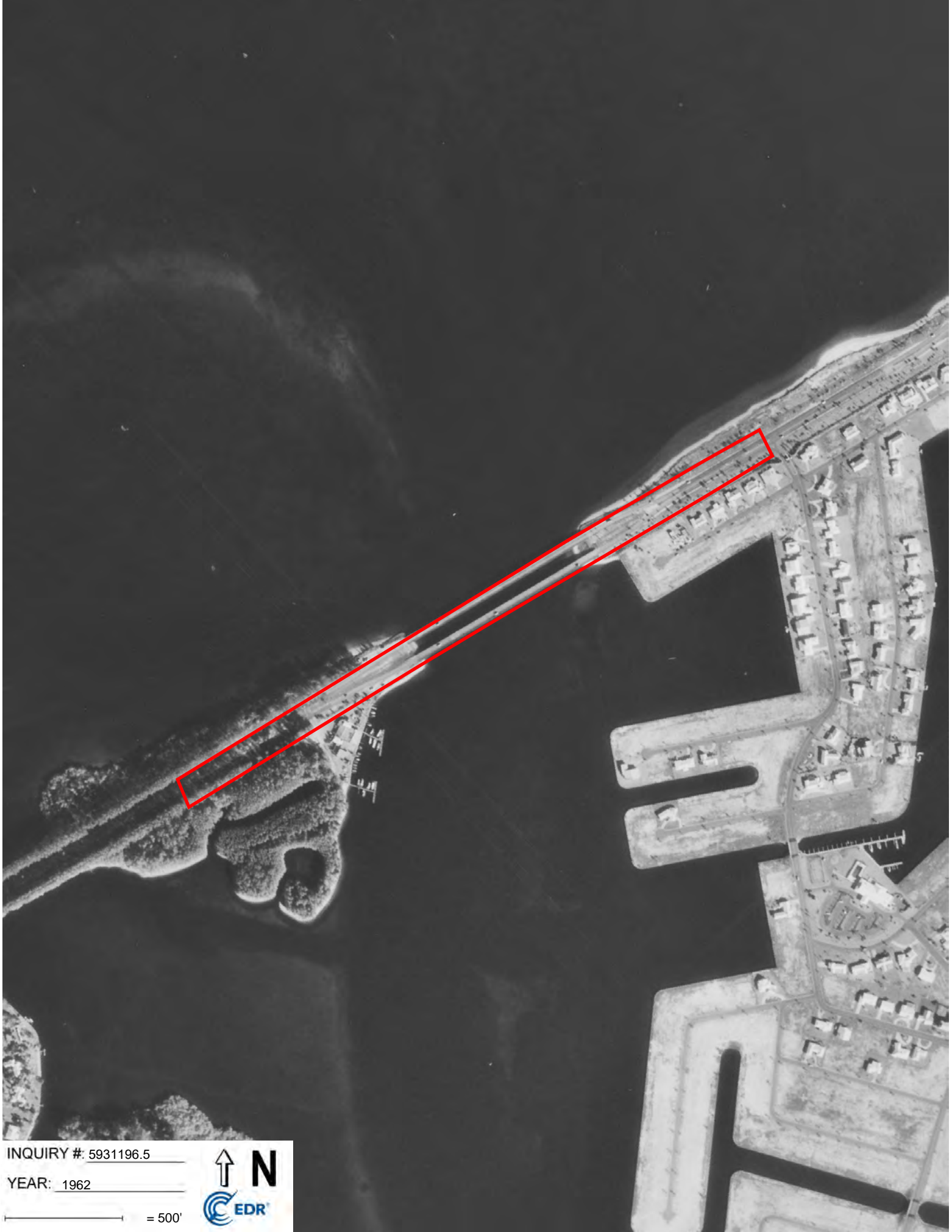


INQUIRY #: 5931196.5

YEAR: 1969

— = 500'





INQUIRY #: 5931196.5

YEAR: 1962

— = 500'



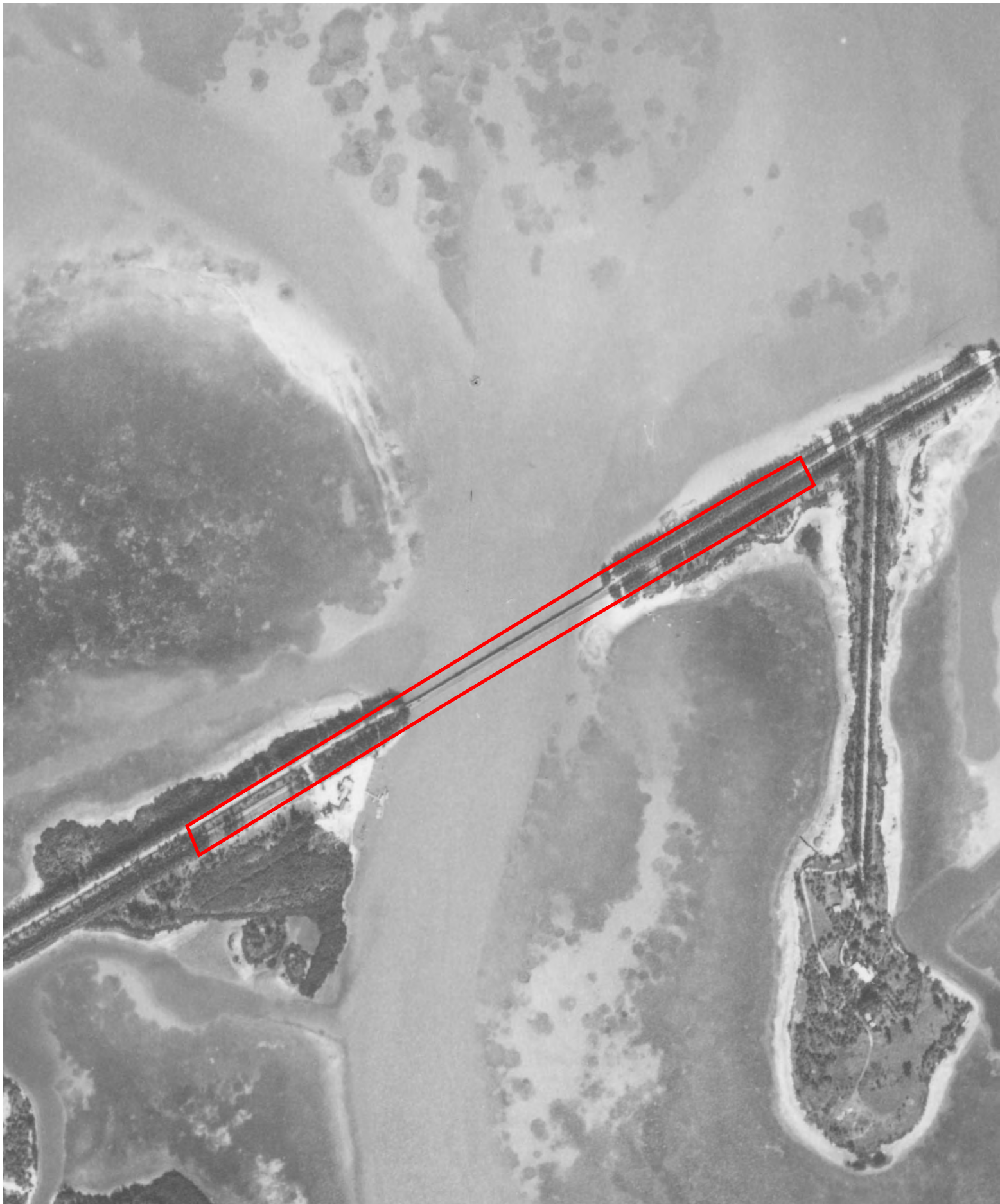


INQUIRY #: 5931196.5

YEAR: 1957

— = 500'





INQUIRY #: 5931196.5

YEAR: 1948

— = 500'



CSER APPENDIX D

Little Ringling Bridge

SR 789 Bird Key Dr to Sarasota Harbor West

Sarasota, FL 34236

Inquiry Number: 5931196.3

January 13, 2020

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/13/20

Site Name:

Little Ringling Bridge
SR 789 Bird Key Dr to Sarasot:
Sarasota, FL 34236
EDR Inquiry # 5931196.3

Client Name:

Madrid Engineering Group, Inc.
2030 State Road 60 East
Bartow, FL 33830
Contact: Scott Nyhof



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Madrid Engineering Group, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 2ABE-48EF-A6A0
PO # 14103
Project 14103

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 2ABE-48EF-A6A0

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Madrid Engineering Group, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

**CSER
APPENDIX E**

Asbestos Survey and Metals-Based Paint Coatings Sampling Report

Bridge Number 170022 (Westbound) SR 789 (Little Ringling Bridge) over Coon Key Waterway Sarasota, Sarasota County, Florida

Prepared for:
Florida Department of Transportation
District 1
801 North Broadway Avenue
Bartow, Florida 33830

Prepared by:
CB&I Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Road
Winter Garden, Florida 34787

**FDOT Contract BDV75
FDOT FPID 436545-1-C2-32, LOA 47
CB&I Project 154316
July 2015**

ASBESTOS SURVEY TITLE SHEET

Facility Name: Bridge 170022

SR 789 (Little Ringling Bridge) Over Coon Key Waterway

Address/Location: 1.4 miles West of US 41

City, County, State: Sarasota, Sarasota County, Florida

Owner Agency: Florida Department of Transportation, District 1

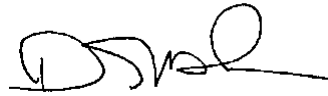
Date of Survey: May 12 and 13, 2015

Consultant: CB&I Environmental & Infrastructure, Inc.

Consultant Address: 1228 Winter Garden Vineland Road

City, State, Zip Code: Winter Garden, Florida 34787

Telephone Number: 407-287-3210 (Shawn Flynn, PG; Contract Manager)



July 9, 2015

David W. Mosher, PE, LAC
Licensed Asbestos Consultant, EA-0000078

TABLE OF CONTENTS

ACRONYMS AND ABBREVIATIONS

SECTION 1	SURVEY SUMMARY FORMS SURVEY OVERVIEW ASBESTOS SURVEY REPORT – FORM 1 ASBESTOS SURVEY AND ASSESSMENT – FORM 2 PERSONNEL SUMMARY – FORM 3
SECTION 2	BRIDGE DIAGRAM(S)
SECTION 3	PHOTOGRAPHS
SECTION 4	LABORATORY ANALYTICAL DATA AND CHAIN OF CUSTODY FORM(S)
SECTION 5	CREDENTIALS FOR CONSULTANT, INSPECTOR, AND LABORATORY
SECTION 6	ASBESTOS OPERATIONS AND MAINTENANCE (O&M) PLAN AND RESPONSE ACTION
SECTION 7	DISCLAIMER

METALS-BASED PAINT COATINGS SAMPLING REPORT

SECTION 8	INTRODUCTION SAMPLE RESULTS RECOMMENDATIONS FOR PERSONNEL HEALTH AND SAFETY RECOMMENDATIONS FOR MATERIAL/WASTE HANDLING, TRANSPORTATION, AND DISPOSAL
FIGURES	PAINT COATING SAMPLE LOCATION MAP
ATTACHMENT A	PHOTOGRAPHS
ATTACHMENT B	LABORATORY ANALYTICAL DATA AND CHAIN OF CUSTODY FORMS

ACRONYMS AND ABBREVIATIONS

Surfacing Materials

- SAS – acoustical/sprayed surfacing material
- SAT – acoustical/troweled surfacing material
- SFP – fireproofing/structural

Thermal Materials

- TPI – pipe insulation
- TPC – pipe cover
- TPE – pipe elbow/joint
- TPM – pipe mastic

Miscellaneous Materials

- MAS – mastic/adhesive
- MBB – vinyl baseboard
- MBP – bearing pad
- MCA – carpet adhesive
- MCC – concrete
- MCK – caulk/sealant
- MCM – cementitious material/patch
- MCT – ceiling tile
- MDI – duct insulation
- MDM – duct mastic
- MEJ – expansion joint
- MFD – fire door
- MFT – floor tile
- MGS – gasket
- MJC – joint compound
- MMB – moisture barrier (felt)
- MPC – “popcorn” textured ceiling finish
- MPL – plaster
- MRM – reflector mastic
- MRP – railing pads
- MSI – sink insulation
- MST – stucco
- MSV – sheet vinyl/flooring
- MTC – cementitious/Transite-type conduit/pipe
- MTP – cementitious/Transite-type panel
- MVD – vibration damper
- MVP – vibration pads
- MWB – wallboard
- MWG – window glazing
- MWP – wallpaper/covering

Roofing Materials

- RBV – built-up roofing
- RAS – asphalt shingle
- RFT – tarpaper and felt
- RRM – rolled membrane
- RFM – flashing mastic
- RTP – Transite-type panel/shingle

SECTION 1
SURVEY SUMMARY FORMS

ASBESTOS SURVEY OVERVIEW

As part of transportation improvement activities, the Florida Department of Transportation (FDOT), District 1, will be performing renovations to Bridge Number 170022 (or Little Ringling Bridge, westbound) located along SR 789 over the Coon Key Waterway in Sarasota, Sarasota County, Florida, and has requested that an asbestos survey be performed to determine the presence, if any, of asbestos-containing materials (ACM). CB&I Environmental & Infrastructure Inc. (CB&I) has provided a map (**Figure 1**) illustrating the location of the subject bridge. Sampling locations are provided on **Figure 2**. Provided on **FORM 1** is detailed information regarding the bridge and the asbestos survey.

In addition to the asbestos survey, the FDOT requested sampling of the bridge paint coatings with laboratory analysis for heavy metals. The metals-based paint coatings survey was performed on May 13, 2015, and the results have been incorporated in this submittal (**Section 8**) immediately following the asbestos survey.

Survey activities described below were performed in accordance with the Asbestos Hazard Emergency Response Act (AHERA) sampling protocol and comply with the National Emission Standards for Hazardous Air Pollutants (NESHAP).

The FDOT provided CB&I with the following information:

- Bridge Plans, dated 1955
- Bridge Rehabilitation Final Plans, prepared by the FDOT, dated 1986
- Bridge Rehabilitation Final Plans, prepared by the FDOT, dated 1993
- Bridge Repair Plans (60% Submittal), prepared by T.Y. Lin International, dated February 10, 2015

Thomas Gregory and Daniel Roebke of CB&I performed the asbestos survey on May 12 and 13, 2015, to determine the location, extent, and condition of suspect ACM.

During the asbestos survey, random samples of the following materials were collected to determine asbestos content: concrete, mortar, asphalt paper, rubber sealer, mastic, Class 5 coating, fiberglass, and sealant (**FORM 2**). No suspect drains were identified on the bridge structure.

Under the AHERA definitions and sampling protocol, 22 homogenous areas (HA) were identified during this survey as miscellaneous materials (see **FORM 2**). A homogeneous area is an application of surfacing material, thermal system insulation material, or miscellaneous materials that is uniform in color, texture, and vintage of application. Miscellaneous material is defined by the United States Environmental Protection Agency (US EPA) as interior building

material on structural components, structural members, or fixtures (such as floor tiles, adhesives, and mastics) and does not include surfacing material or thermal system insulation (40 CFR Part 763.83).

Also, during the survey, the quantification and extent of each HA was estimated and the friability of the material was determined. A material is considered friable that, when dry, can be crumbled, pulverized, or reduced to a powder by hand pressure as defined by the US EPA. At a minimum, three samples of each HA were collected for analysis, as recommended by the US EPA (*100 Commonly Asked Questions About the New AHERA Asbestos-in-Schools Rule*, US EPA, May 1988) and required by CB&I protocol. Three additional samples were collected randomly for quality assurance/quality control (QA/QC) purposes. The total number of samples collected from this bridge was 70 (66 from 22 HAs and 4 QA/QC). Provided on **FORM 3** is a list of survey team (personnel and laboratories) and their appropriate license or certificate numbers.

Samples of suspect materials were submitted for asbestos analysis to an independent laboratory certified by the National Voluntary Laboratory Accreditation Program (NVLAP). Additionally, as per FDOT requirements, QA/QC samples were collected and submitted for analysis to a second NVLAP-certified laboratory. All samples were analyzed for asbestos of bulk materials by EPA Method 600/R-93/116 using Polarized Light Microscopy.

Laboratory analysis of the collected suspect samples indicated that the sampled materials did not contain asbestos. Renovation or demolition can proceed without any engineering controls. However, the use of wet demolition methods is recommended during renovation or demolition of these sampled materials.

Estimates related to the cost of abatement (including disposal) and on-site air monitoring are provided on **FORM 2** for each HA that contains asbestos. These estimates are based on our previous experience for similar abatement projects in similar locations and do not include the costs for replacement materials or labor following the abatement work. However, because no asbestos was identified, no abatement costs are noted.

ASBESTOS SURVEY REPORT – FORM 1

BRIDGE IDENTIFICATION

County: Sarasota
Agency: Florida Department of Transportation District 1
Bridge Names: Little Ringling Bridge (Westbound) over Coon Key Waterway
Bridge Numbers: 170022
Address and/or Geographic Location: Along SR 789, 1.4 Miles West of US 41
Asbestos Contact Person: Jeffrey W. James Telephone Number: 863-519-2625
FDOT Contact: Jeffrey W. James Telephone Number: 863-519-2625

SURVEY IDENTIFICATION

Date of Survey: May 12 and 13, 2015 Date of Report: July 9, 2015
Contract No.: BDV75
FM No.: 436545-1-C2-32
Consultant's Name: David W. Mosher, PE, LAC License No.: EA-0000078
Name of Firm: CB&I Environmental & Infrastructure, Inc.
Address: 1228 Winter Garden Vineland Road, Winter Garden, Florida 34787
Telephone Number: 407-287-3210 (Shawn Flynn, PG, Contract Manager)

BRIDGE INFORMATION

Year of Construction: 1958
Renovation Dates: Unknown
Bridge Documents/Drawings Available/Consulted:
Types: Plans Yes No Location Several pages from 1955, 1986, 1993 and 2015 bridge plan set
Specifications Yes No Location _____
Other Yes No Location _____
Asbestos Documents Yes No Location _____
 Yes No Location uglybridges.com
 Yes No Location _____

STRUCTURAL DATA

Vertical Support: Prestressed concrete piles Horizontal: Prestressed concrete
Decking: Concrete, Cast-In-Place
Span: 21 Spans, Longest 47.9', Total Length 1,010.2' Gaskets: NA
Bearing Pads: Noted as "Bearing Plates" Railings: Concrete

If applicable:

Roof: NA
Floors: NA Ceilings: NA
Exterior Walls: NA Partition Walls: NA
HVAC System: Yes No Type: NA

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170022 (Little Ringling Bridge, Westbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost
1.1	CONCRETE	1	BENT COLUMNS	5600 CF	N	NAD	0	0	0
1.2	CONCRETE	1	BENT COLUMNS	5600 CF	N	NAD	0	0	0
1.3	CONCRETE	1	BENT COLUMNS	5600 CF	N	NAD	0	0	0
2.1	CONCRETE	2	BENT CAPS	4662 CF	N	NAD	0	0	0
2.2	CONCRETE	2	BENT CAPS	4662 CF	N	NAD	0	0	0
2.3	CONCRETE	2	BENT CAPS	4662 CF	N	NAD	0	0	0
3.1	CONCRETE	3	SEA WALLS	1540 CF	N	NAD	0	0	0
3.2	CONCRETE	3	SEA WALLS	1540 CF	N	NAD	0	0	0
3.3	CONCRETE	3	SEA WALLS	1540 CF	N	NAD	0	0	0
4.1	CONCRETE	4	ABUTMENT WALL	1036 CF	N	NAD	0	0	0
4.2	CONCRETE	4	ABUTMENT WALL	1036 CF	N	NAD	0	0	0
4.3	CONCRETE	4	ABUTMENT WALL	1036 CF	N	NAD	0	0	0
5.1	MORTAR	5	ABUTMENT WALL	11520 CF	N	NAD	0	0	0
5.2	MORTAR	5	ABUTMENT WALL	11520 CF	N	NAD	0	0	0
5.3	MORTAR	5	ABUTMENT WALL	11520 CF	N	NAD	0	0	0
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite 1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				TOTAL					

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170022 (Little Ringling Bridge, Westbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost		
6.1	CONCRETE	6	END BENT PILE CAP	1230 CF	N	NAD	0	0	0		
6.2	CONCRETE	6	END BENT PILE CAP	1230 CF	N	NAD	0	0	0		
6.3	CONCRETE	6	END BENT PILE CAP	1230 CF	N	NAD	0	0	0		
6.4 QA/QC	CONCRETE	6	END BENT	1230 CF	N	NAD	0	0	0		
7.1	CONCRETE	7	DIAPHRAM	2220 CF	N	NAD	0	0	0		
7.2	CONCRETE	7	DIAPHRAM	2220 CF	N	NAD	0	0	0		
7.3	CONCRETE	7	DIAPHRAM	2220 CF	N	NAD	0	0	0		
8.1	ASPHALT PAPER	8	SUBGIRDER BEARING PADS	400 SF	N	NAD	0	0	0		
8.2	ASPHALT PAPER	8	SUBGIRDER BEARING PADS	400 SF	N	NAD	0	0	0		
8.3	ASPHALT PAPER	8	SUBGIRDER BEARING PADS	400 SF	N	NAD	0	0	0		
9.1	CONCRETE	9	GIRDERS	22725 CF	N	NAD	0	0	0		
9.2	CONCRETE	9	GIRDERS	22725 CF	N	NAD	0	0	0		
9.3	CONCRETE	9	GIRDERS	22725 CF	N	NAD	0	0	0		
10.1	MORTAR	10	GIRDERS	10100 SF	N	NAD	0	0	0		
10.2	MORTAR	10	GIRDERS	10100 SF	N	NAD	0	0	0		
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite							Subtotals for this page		0	0	0
1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.							Consultant Fees				
							O & M Costs				
							TOTAL				

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170022 (Little Ringling Bridge, Westbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friabl e Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost		
10.3	MORTAR	10	GIRDER	10100 SF	N	NAD	0	0	0		
11.1	ASPHALT PAPER	11	SUBDECK BEARING PADS	5050 SF	N	NAD	0	0	0		
11.2	ASPHALT PAPER	11	SUBDECK BEARING PADS	5050 SF	N	NAD	0	0	0		
11.3	ASPHALT PAPER	11	SUBDECK BEARING PADS	5050 SF	N	NAD	0	0	0		
12.1	RUBBER SEALER	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
12.2	RUBBER SEALER	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
12.3	RUBBER SEALER	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
12.4 QA/QC	RUBBER SEALER	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
13.1	CONCRETE	13	RAILING – RAIL	2273 CF	N	NAD	0	0	0		
13.2	CONCRETE	13	RAILING – RAIL	2273 CF	N	NAD	0	0	0		
13.3	CONCRETE	13	RAILING – RAIL	2273 CF	N	NAD	0	0	0		
14.1	CONCRETE	14	END CAP	144 CF	N	NAD	0	0	0		
14.2	CONCRETE	14	END CAP	144 CF	N	NAD	0	0	0		
14.3	CONCRETE	14	END CAP	144 CF	N	NAD	0	0	0		
15.1	CONCRETE	15	CURB	1616 CF	N	NAD	0	0	0		
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite							Subtotals for this page		0	0	0
							Consultant Fees				
							O & M Costs				
							TOTAL				

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170022 (Little Ringling Bridge, Westbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost
15.2	CONCRETE	15	CURB	1616 CF	N	NAD	0	0	0
15.3	CONCRETE	15	CURB	1616 CF	N	NAD	0	0	0
16.1	CONCRETE	16	DECK	37370 CF	N	NAD	0	0	0
16.2	CONCRETE	16	DECK	37370 CF	N	NAD	0	0	0
16.3	CONCRETE	16	DECK	37370 CF	N	NAD	0	0	0
17.1	CONCRETE	17	RAILING – POST	13635 CF	N	NAD	0	0	0
17.2	CONCRETE	17	RAILING – POST	13635 CF	N	NAD	0	0	0
17.3	CONCRETE	17	RAILING – POST	13635 CF	N	NAD	0	0	0
18.1	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
18.2	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
18.3	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
18.4 QA/QC	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
19.1	BLACK ADHESIVE MASTIC	19	DECK REFLECTORS	70 SF	N	NAD	0	0	0
19.2	BLACK ADHESIVE MASTIC	19	DECK REFLECTORS	70 SF	N	NAD	0	0	0
19.3	BLACK ADHESIVE MASTIC	19	DECK REFLECTORS	70 SF	N	NAD	0	0	0
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite 1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				TOTAL					

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170022 (Little Ringling Bridge, Westbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

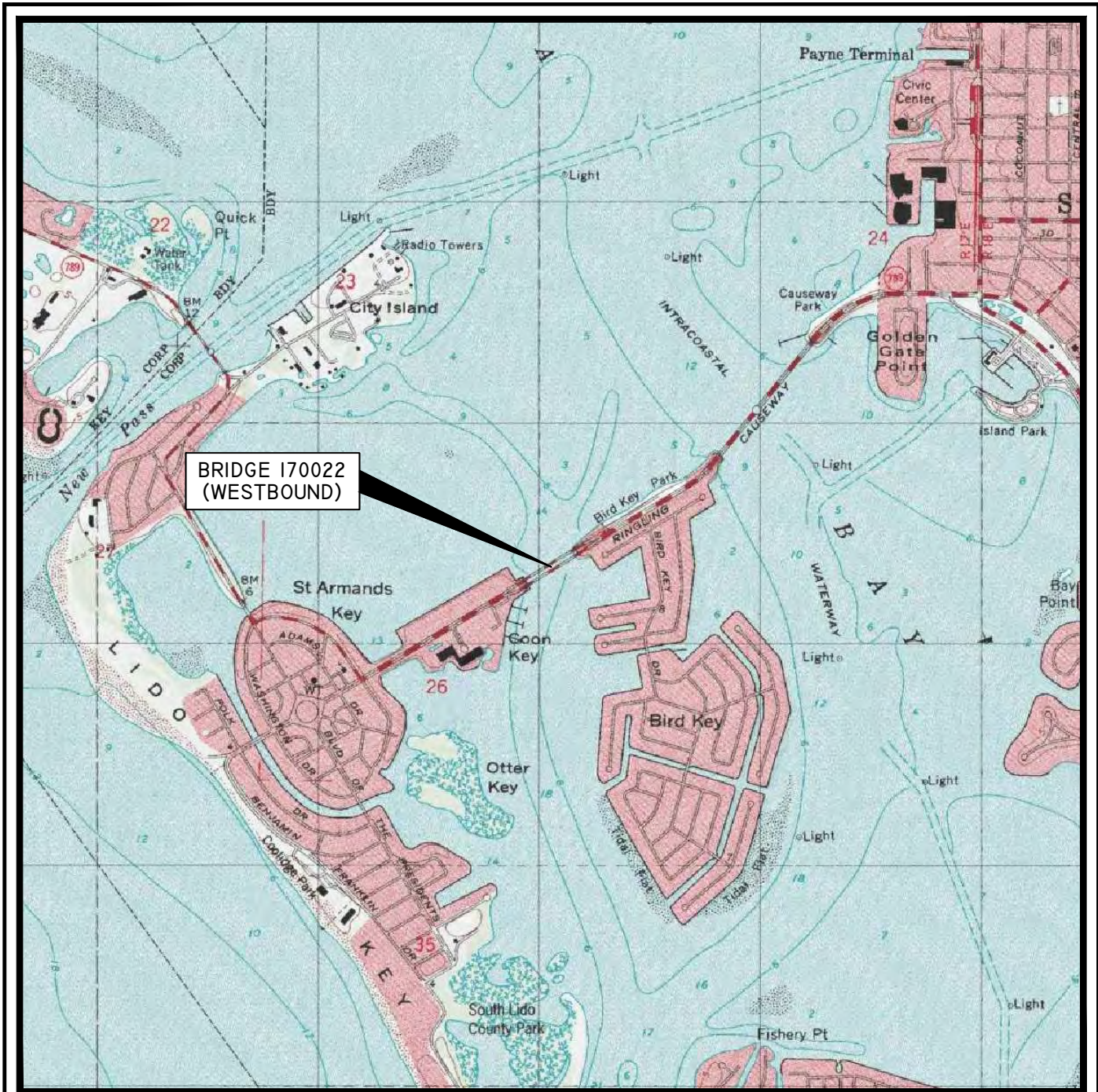
Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost
20.1	CLASS 5 COATING	20	VARIOUS LOCATIONS ON GIRDERS	250 SF	N	NAD	0	0	0
20.2	CLASS 5 COATING	20	VARIOUS LOCATIONS ON GIRDERS	250 SF	N	NAD	0	0	0
20.3	CLASS 5 COATING	20	VARIOUS LOCATIONS ON GIRDERS	250 SF	N	NAD	0	0	0
21.1	FIBERGLASS	21	PILE JACKET	3200 SF	N	NAD	0	0	0
21.2	FIBERGLASS	21	PILE JACKET	3200 SF	N	NAD	0	0	0
21.3	FIBERGLASS	21	PILE JACKET	3200 SF	N	NAD	0	0	0
21.4 QA/QC	FIBERGLASS	21	PILE JACKET	3200 SF	N	NAD	0	0	0
22.1	SEALANT (WITHIN THE SPACE BETWEEN PILE AND PILE JACKET)	22	PILE JACKET	1600 SF	N	NAD	0	0	0
22.2	SEALANT (WITHIN THE SPACE BETWEEN PILE AND PILE JACKET)	22	PILE JACKET	1600 SF	N	NAD	0	0	0
22.3	SEALANT (WITHIN THE SPACE BETWEEN PILE AND PILE JACKET)	22	PILE JACKET	1600 SF	N	NAD	0	0	0
<p>COMMENTS/NOTES:</p> <p>Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet</p> <p>CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1%</p> <p>chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite</p> <p>1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.</p>				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				TOTAL					

**ASBESTOS SURVEY REPORT – FORM 3
PERSONNEL SUMMARY**

Facility/Bridge Name: SR 789 (Little Ringling Bridge) over Coon Key Waterway
Bridge No.: 170022
Date of Survey: May 12 and 13, 2015

Name and Address	Task Performed	License or Certificate
David W. Mosher, PE, LAC	Asbestos Consultant	EA-0000078
CB&I Environmental & Infrastructure, Inc. 9143 Philips Highway, Suite 400 Jacksonville, FL 32256	Asbestos Business	ZA-317
Thomas Gregory CB&I Environmental & Infrastructure, Inc. 1228 Winter Garden Vineland Road Winter Garden, Florida 34787	Asbestos Inspector	161984
Daniel Roebke CB&I Environmental & Infrastructure, Inc. 1228 Winter Garden Vineland Road Winter Garden, Florida 34787	Asbestos Inspector	140627-4599
EMSL Analytical, Inc. (EMSL) 5125 Adanson Street, Suite 900 Orlando, FL 32804	Bulk Analysis	NVLP No. 101151-0
International Asbestos Testing Laboratory (IATL) 9000 Commerce Parkway, Suite B Mt. Laurel, New Jersey 08054	Quality Assurance	NVLAP No. 101165-0

SECTION 2
BRIDGE DIAGRAM(S)



BRIDGE 170022
(WESTBOUND)



REFERENCE:

7.5 MINUTE U.S.G.S. TOPOGRAPHIC
QUADRANGLE MAP, SARASOTA,
FLORIDA, DATED 1999.

CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
1228 WINTER GARDEN VINELAND ROAD
WINTER GARDEN, FLORIDA 34787
(407) 287-3200 OFFICE
(407) 287-3201 FAX

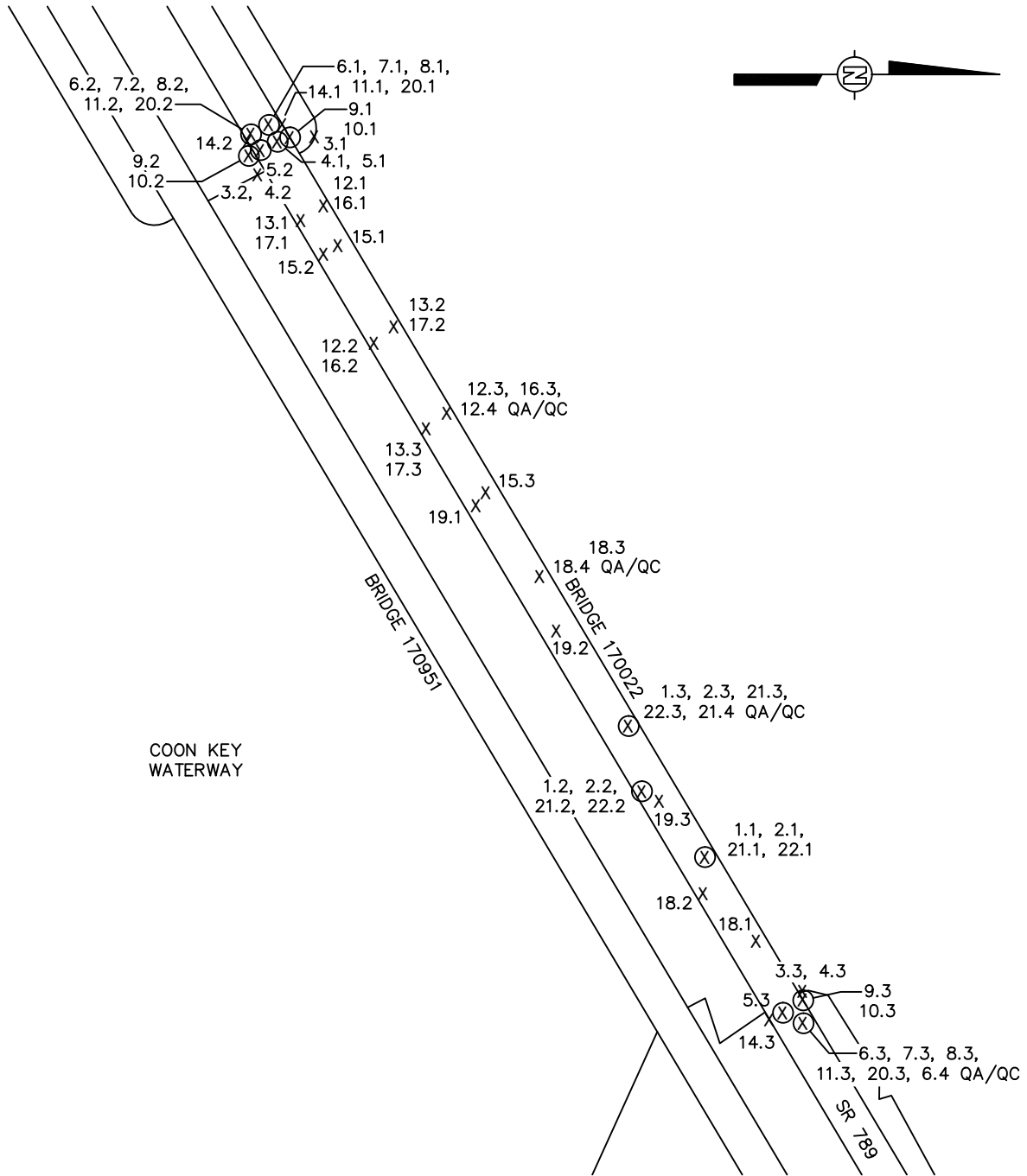
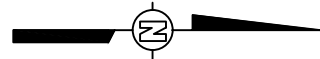
OFFICE: WINTER GARDEN	DATE: 6-10-15	ACAD FILE: 4316A2
--------------------------	------------------	----------------------

SITE LOCATION MAP

CLIENT: FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT I	PM: SF
---	-----------

LOCATION: BRIDGE 170022, WESTBOUND SR 789 (LITTLE RINGLING BRIDGE) over COON KEY WATERWAY SARASOTA, SARASOTA COUNTY, FLORIDA FPID No. 436545-1-C2-32

DESIGNED: SF	DRAWN: SDJF	PROJECT NO.: 154316	FIGURE: 1
-----------------	----------------	------------------------	--------------



LEGEND:

- x SAMPLING LOCATION FROM TOP OF BRIDGE
- ⊗ SAMPLING LOCATION FROM UNDERNEATH BRIDGE
- QA/QC QUALITY ASSURANCE/QUALITY CONTROL SAMPLING LOCATION

OFFICE: WINTER GARDEN	DATE: 6-30-15	ACAD FILE: 4316A4
ASBESTOS SAMPLE LOCATION MAP MAY 12 AND 13, 2015		
CLIENT: FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT I	PM: SF	
LOCATION: BRIDGE 170022, WESTBOUND SR 789 (LITTLE RINGLING BRIDGE) over COON KEY WATERWAY SARASOTA, SARASOTA COUNTY, FLORIDA FPID No. 436545-1-C2-32		
DESIGNED: TG	DRAWN: SDJF	PROJECT NO.: 154316
		FIGURE: 2

CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
1228 WINTER GARDEN VINELAND ROAD
WINTER GARDEN, FLORIDA 34787
(407) 287-3200 OFFICE
(407) 287-3201 FAX

SECTION 3
PHOTOGRAPHS

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG



PHOTO 1 – 5/12/15
BRIDGE NO. 170022 – SR 789 OVER COON KEY WATERWAY – VIEW TOWARDS SOUTHEAST
SARASOTA, SARASOTA COUNTY, FL



PHOTO 2 – 5/12/15
BRIDGE NO. 170022 – SR 789 OVER COON KEY WATERWAY – VIEW TOWARDS NORTHEAST
SARASOTA, SARASOTA COUNTY, FL

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG



PHOTO 3 – 5/12/15
BRIDGE NO. 170022 – SR 789 OVER COON KEY WATERWAY – VIEW TOWARDS NORTHEAST
SARASOTA, SARASOTA COUNTY, FL

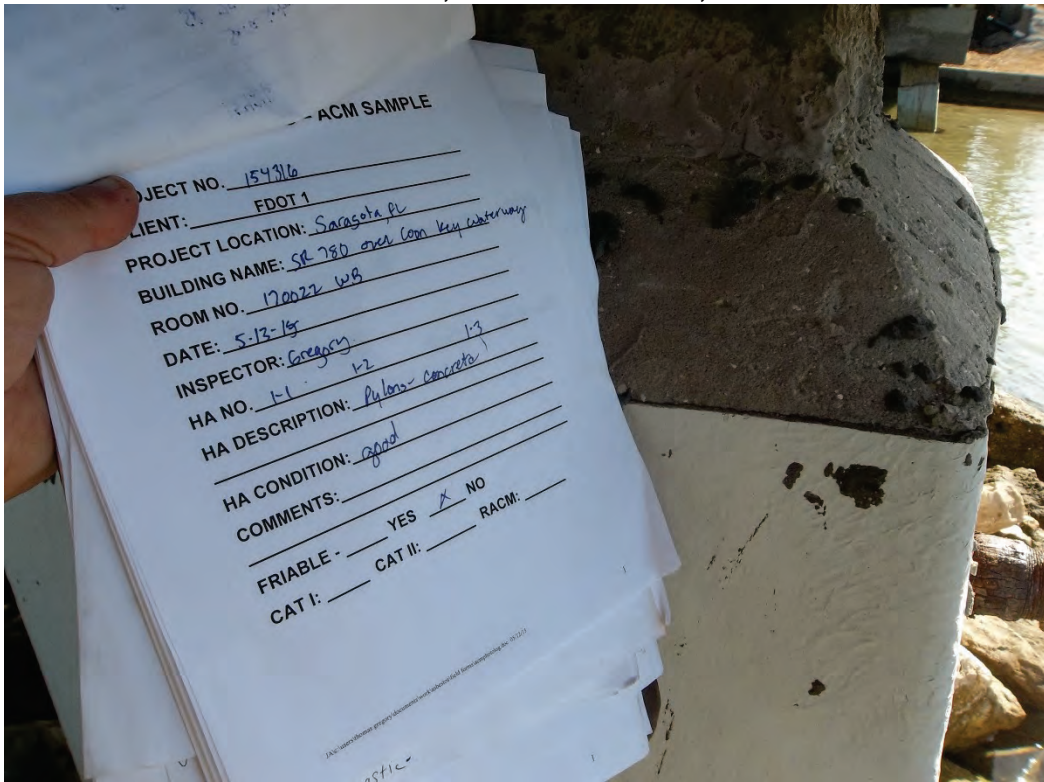


PHOTO 4 – 5/13/15 – SAMPLE 1.1 – HA 1
CONCRETE
MIDDLE BENT, COLUMNS

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

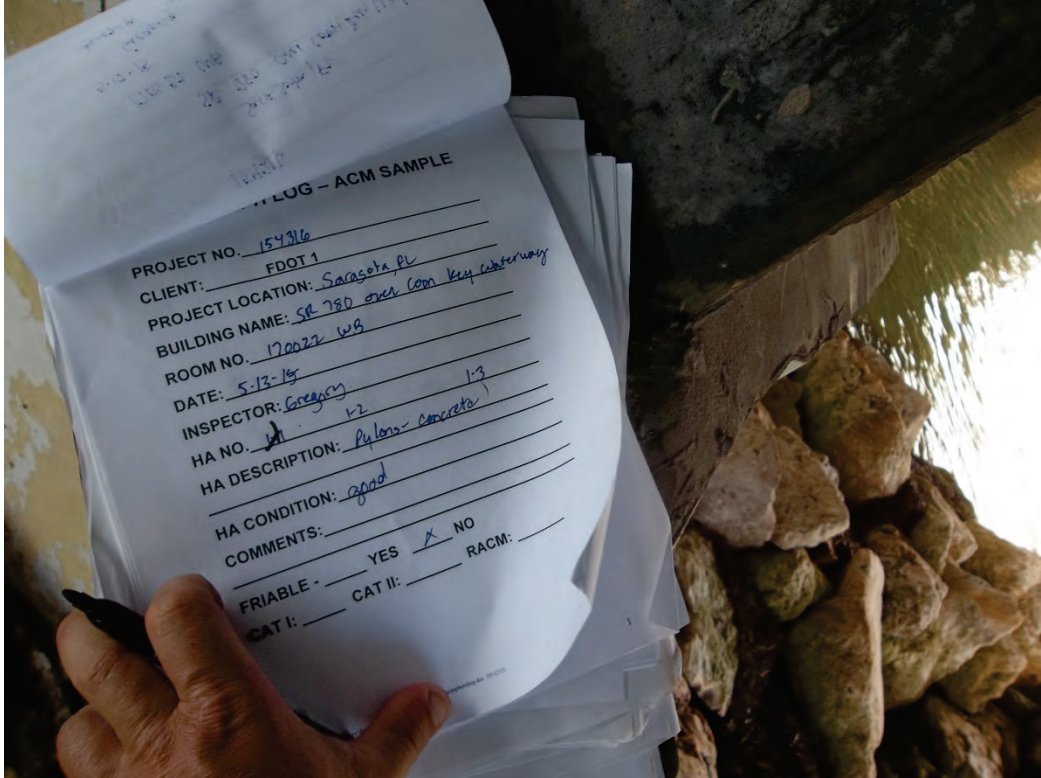


PHOTO 5 - 5/13/15 - SAMPLE 1.2 - HA 1
CONCRETE
MIDDLE BENT, COLUMNS

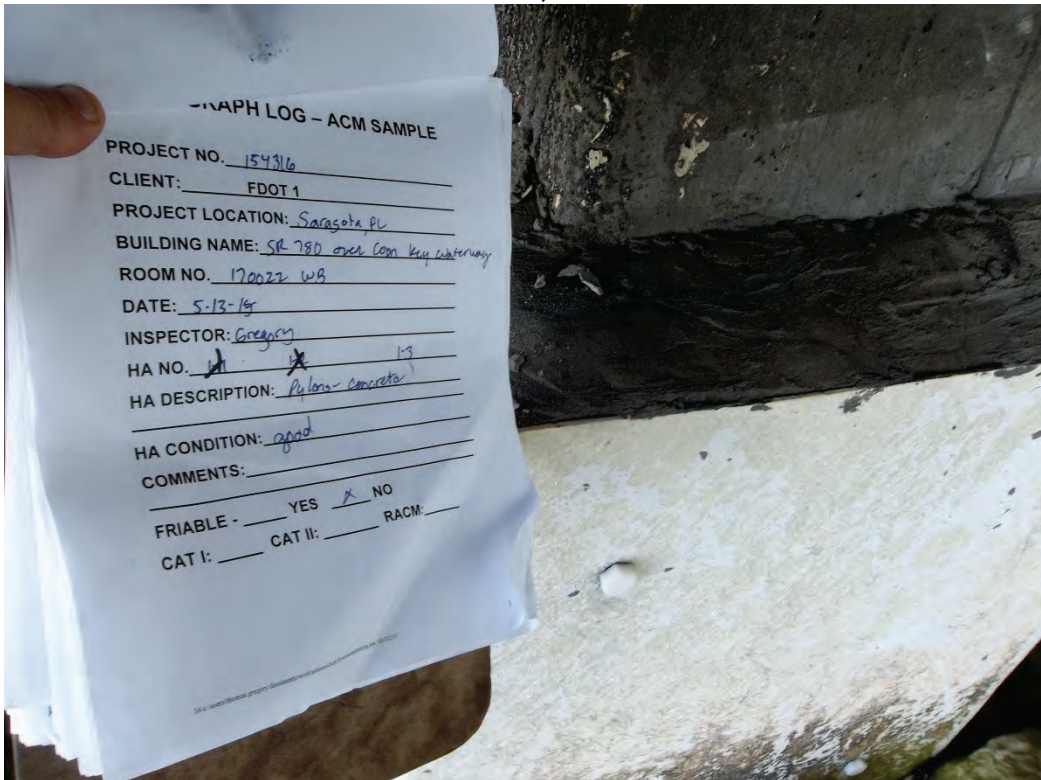


PHOTO 6 - 5/13/15 - SAMPLE 1.3 - HA 1
CONCRETE
MIDDLE BENT, COLUMNS

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

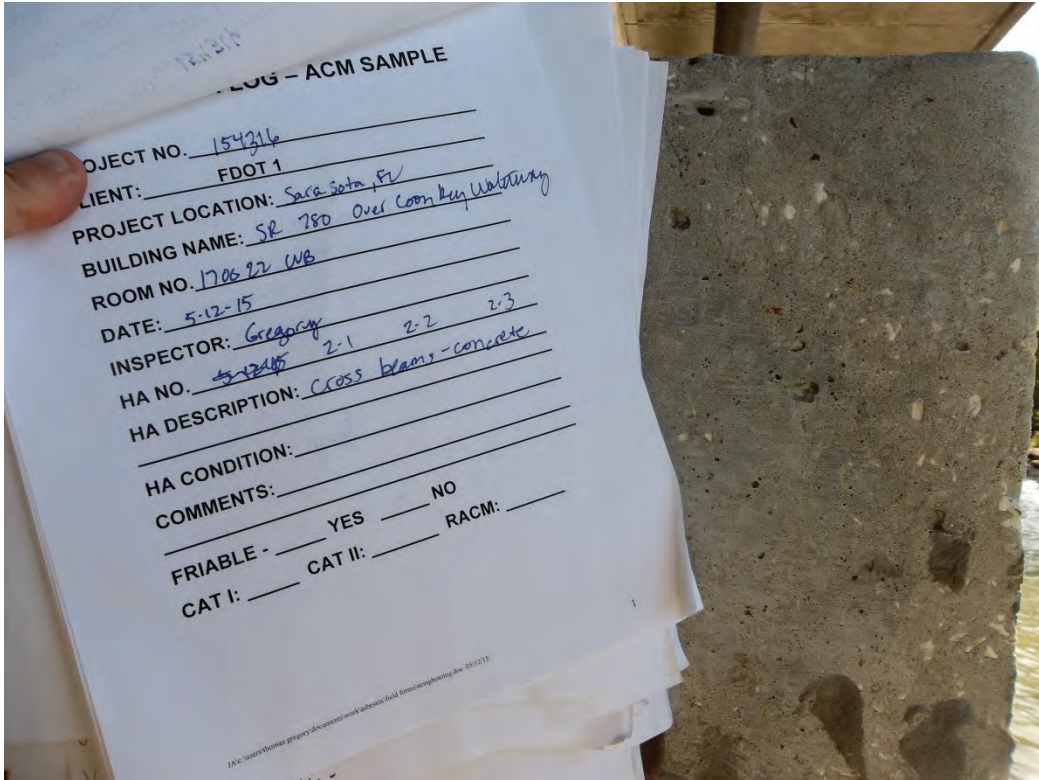


PHOTO 7 – 5/12/15 – SAMPLE 2.1 – HA 2
CONCRETE
BENT CAPS

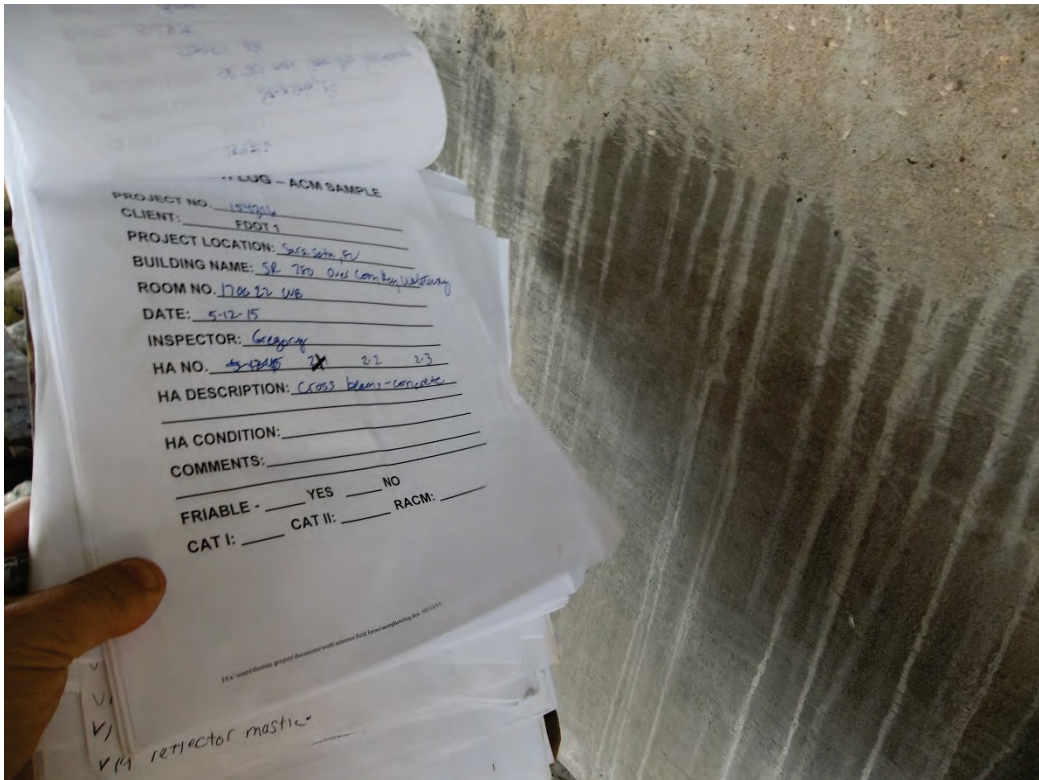


PHOTO 8 – 5/12/15 – SAMPLE 2.2 – HA 2
CONCRETE
BENT CAPS

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

MISSING PHOTO

PHOTO 9 – 5/12/15 – SAMPLE 2.3 – HA 2
CONCRETE
BENT CAPS

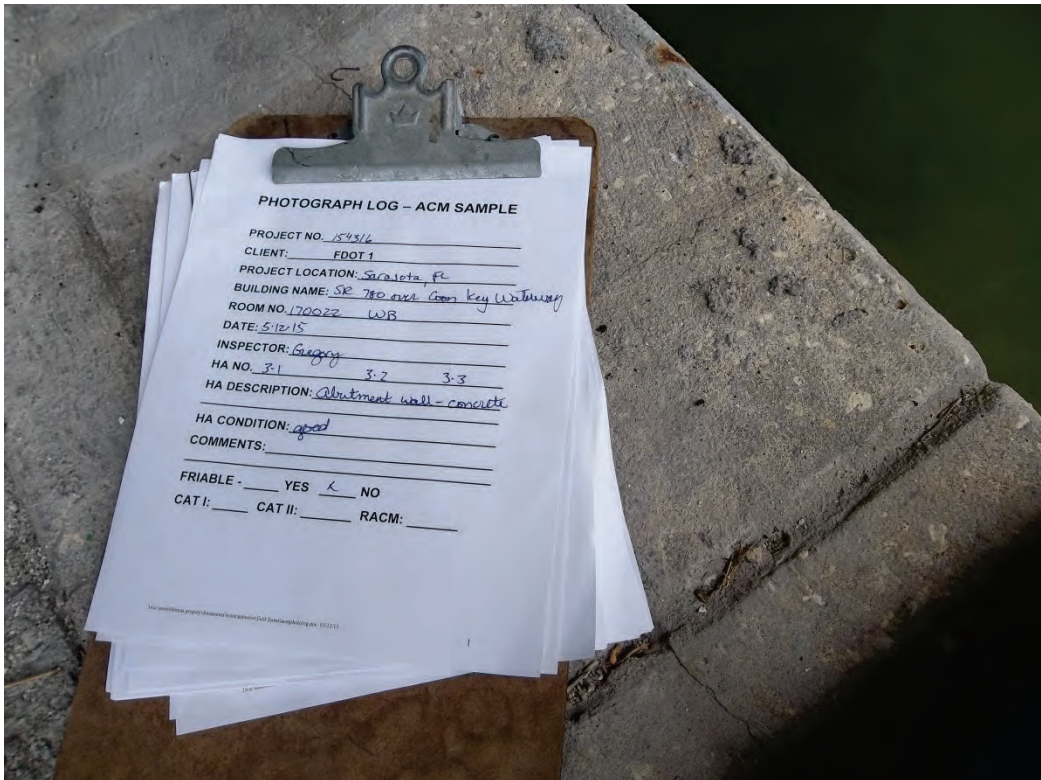
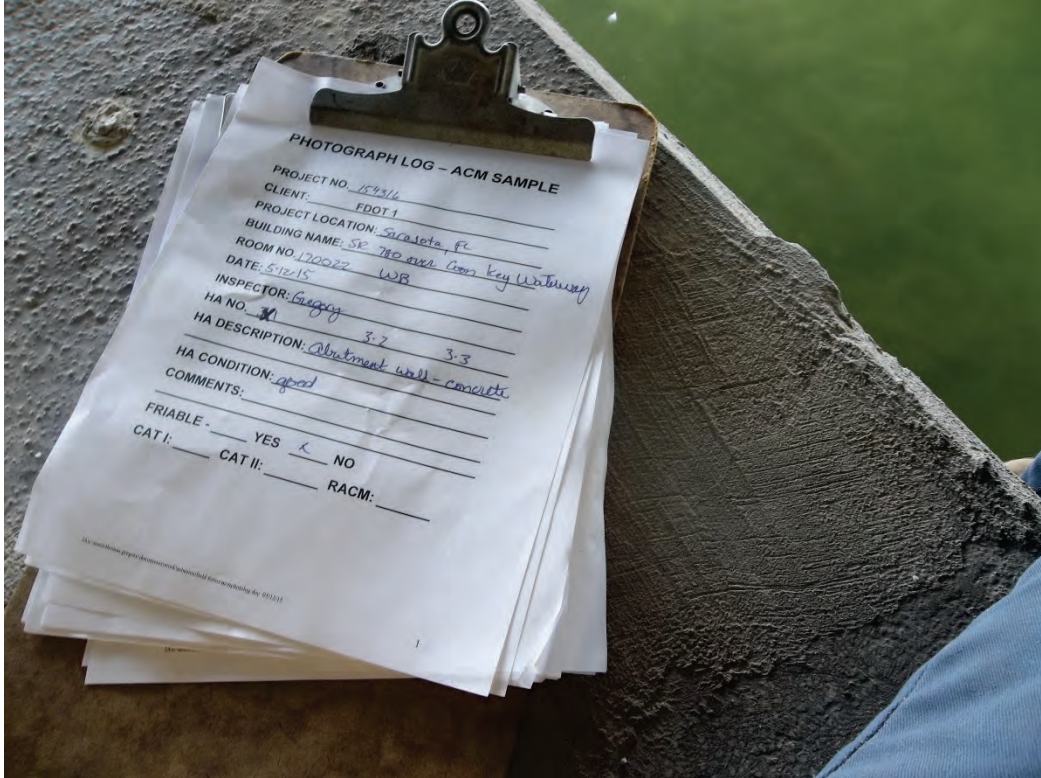
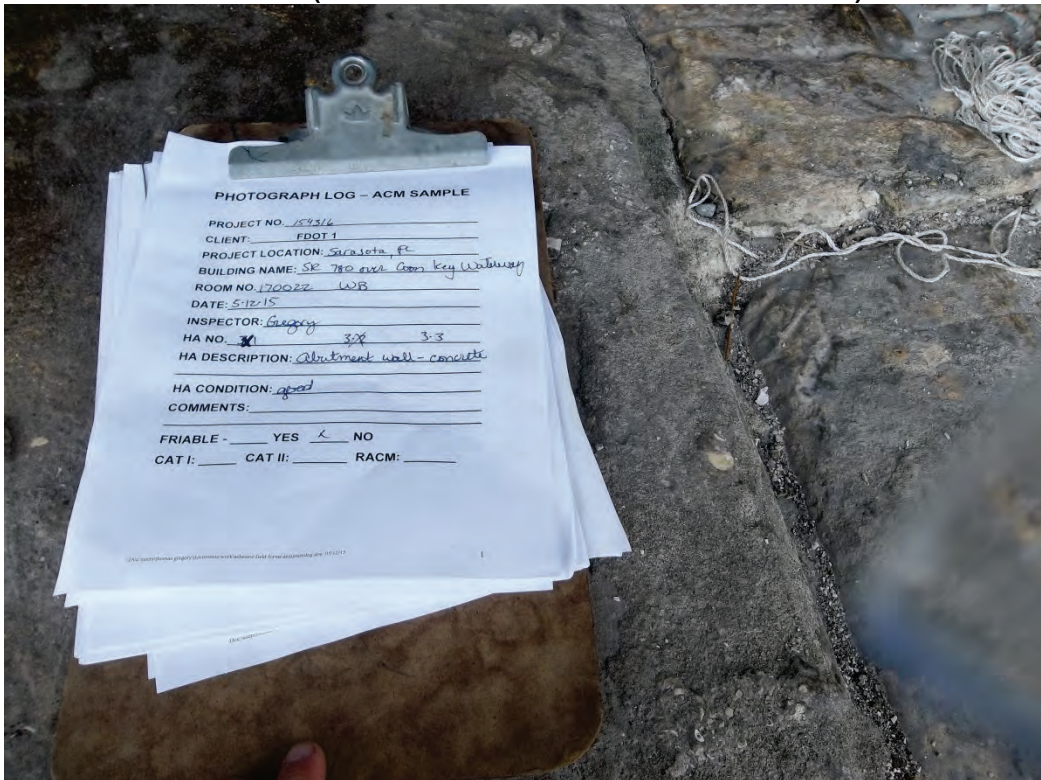


PHOTO 10 – 5/12/15 – SAMPLE 3.1 – HA 3
CONCRETE
SEAWALL (NOTED AS ABUTMENT WALL ON PHOTO LOG)

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**

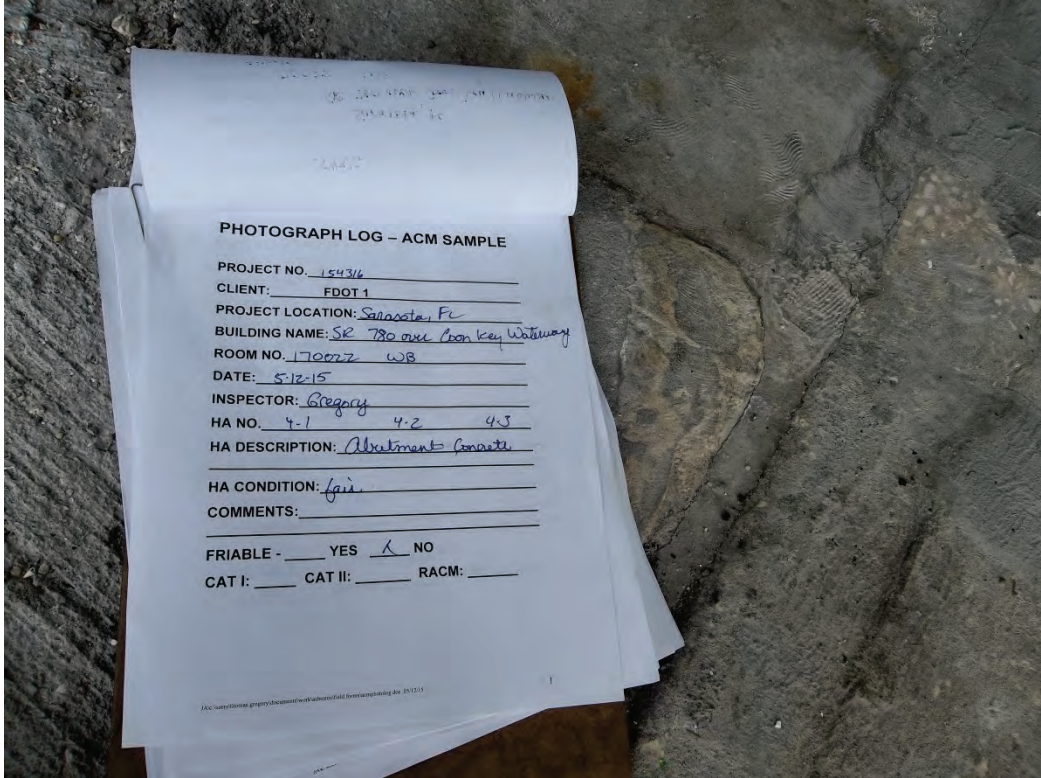


**PHOTO 11 – 5/12/15 – SAMPLE 3.2 – HA 3
CONCRETE
SEAWALL (NOTED AS ABUTMENT WALL ON PHOTO LOG)**

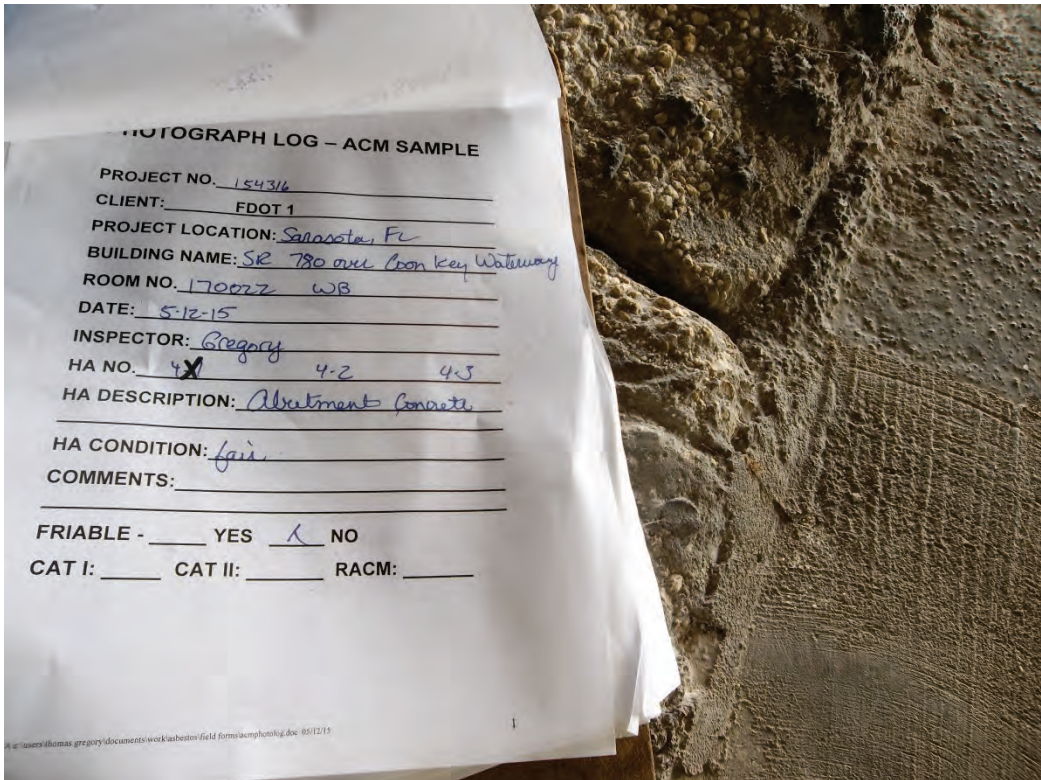


**PHOTO 12 – 5/12/15 – SAMPLE 3.3 – HA 3
CONCRETE
SEAWALL (NOTED AS ABUTMENT WALL ON PHOTO LOG)**

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 13 - 5/12/15 - SAMPLE 4.1 - HA 4
CONCRETE
ABUTMENT WALL**



**PHOTO 14 - 5/12/15 - SAMPLE 4.2 - HA 4
CONCRETE
ABUTMENT WALL**

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

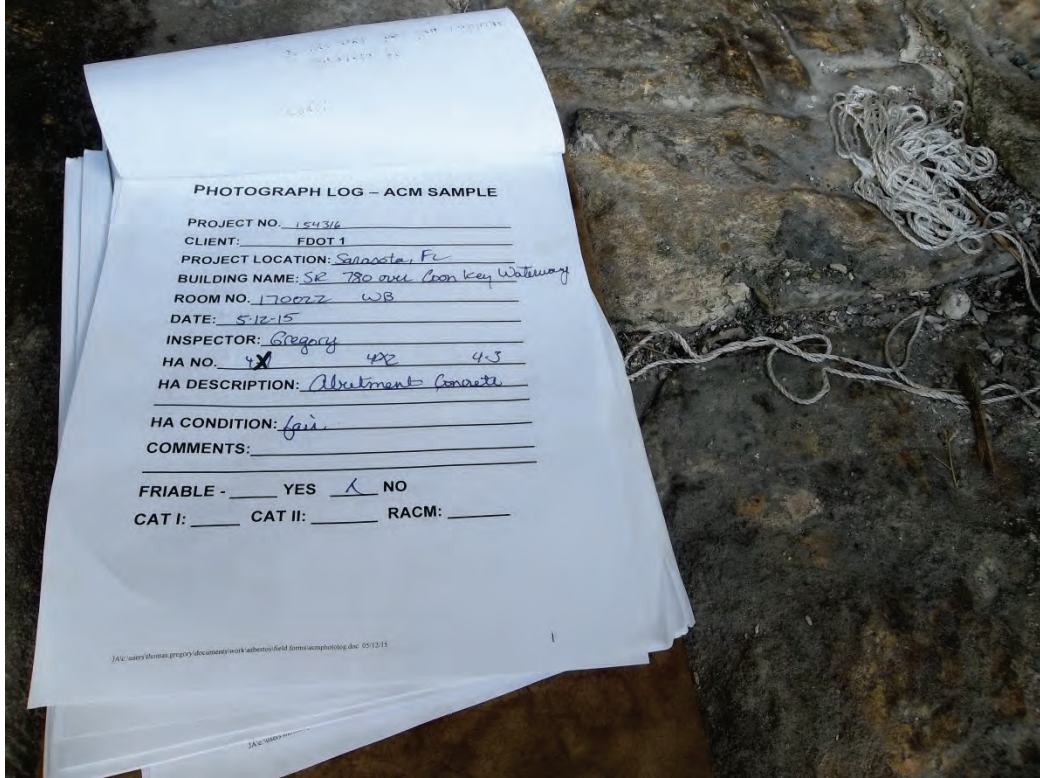


PHOTO 15 - 5/12/15 - SAMPLE 4.3 - HA 4
CONCRETE
ABUTMENT WALL

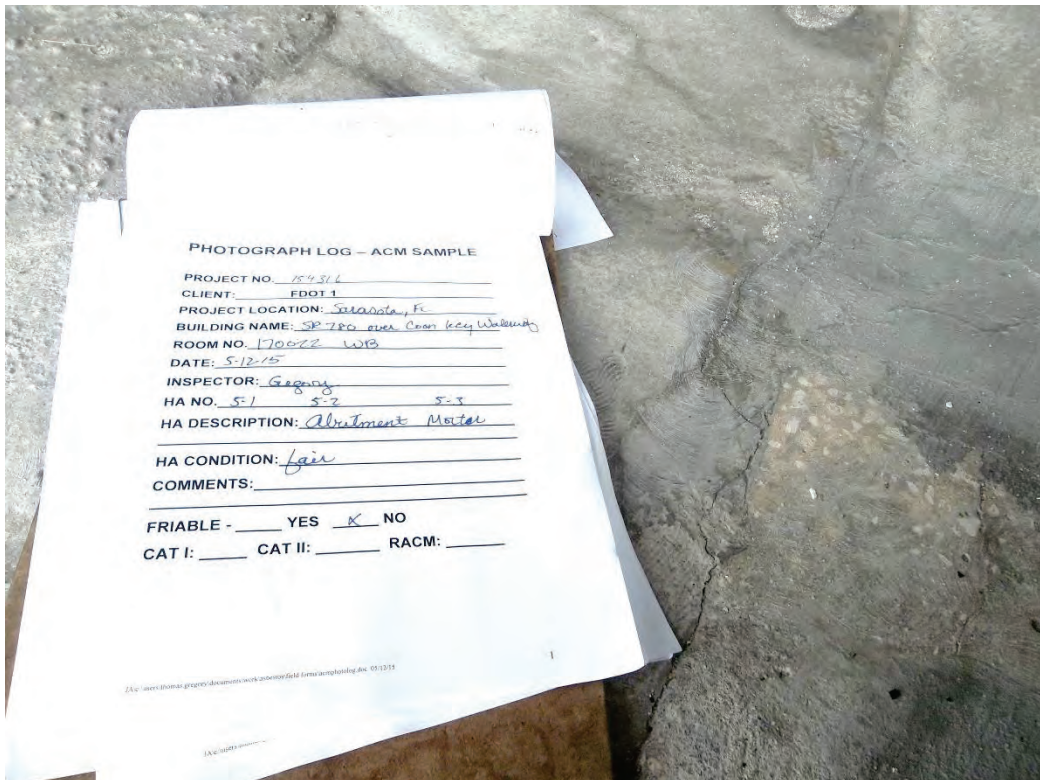
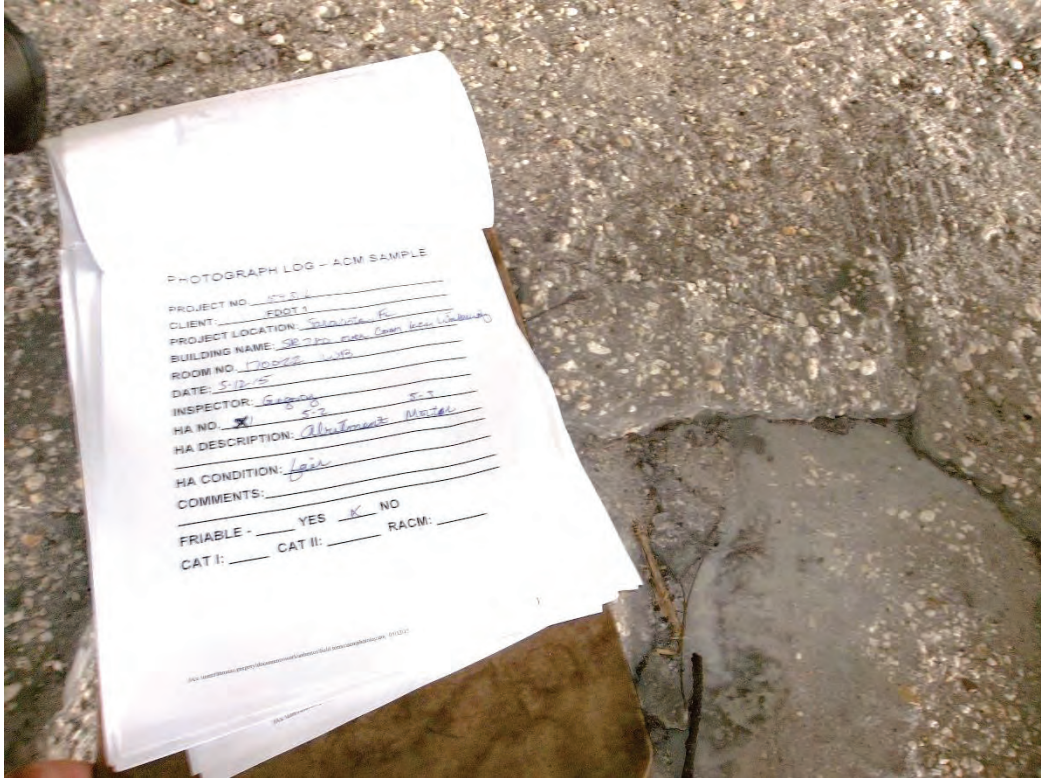
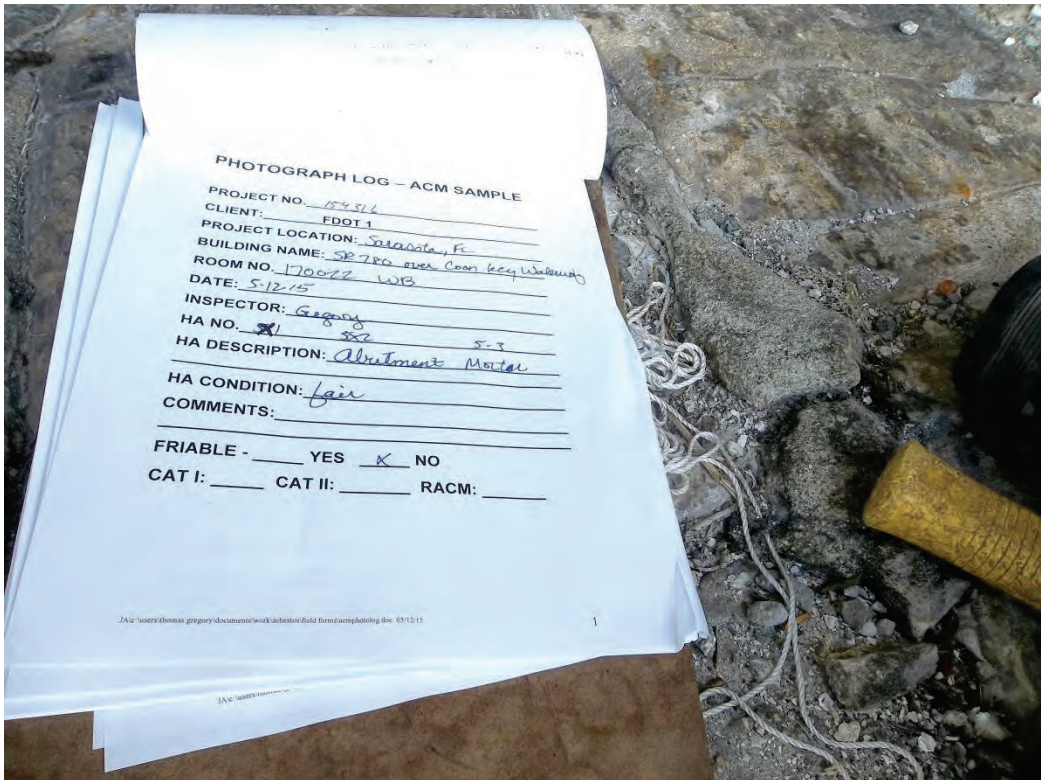


PHOTO 16 - 5/12/15 - SAMPLE 5.1 - HA 5
MORTAR
ABUTMENT WALL

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**

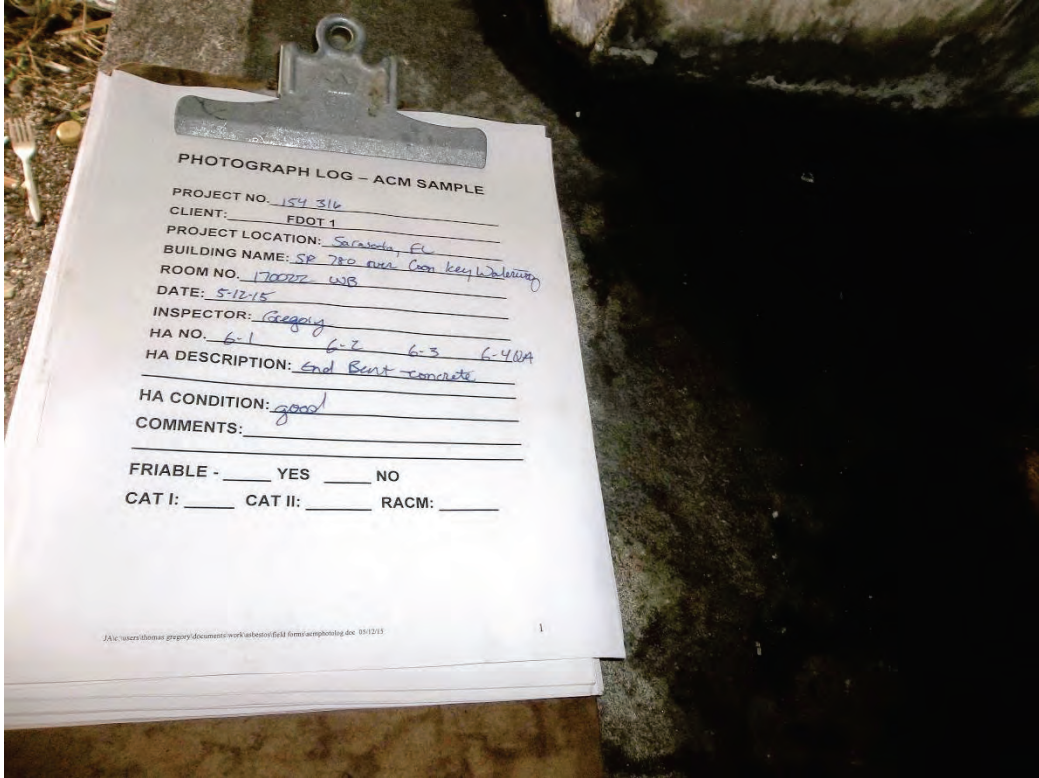


**PHOTO 17 – 5/12/15 – SAMPLE 5.2 – HA 5
MORTAR
ABUTMENT WALL**

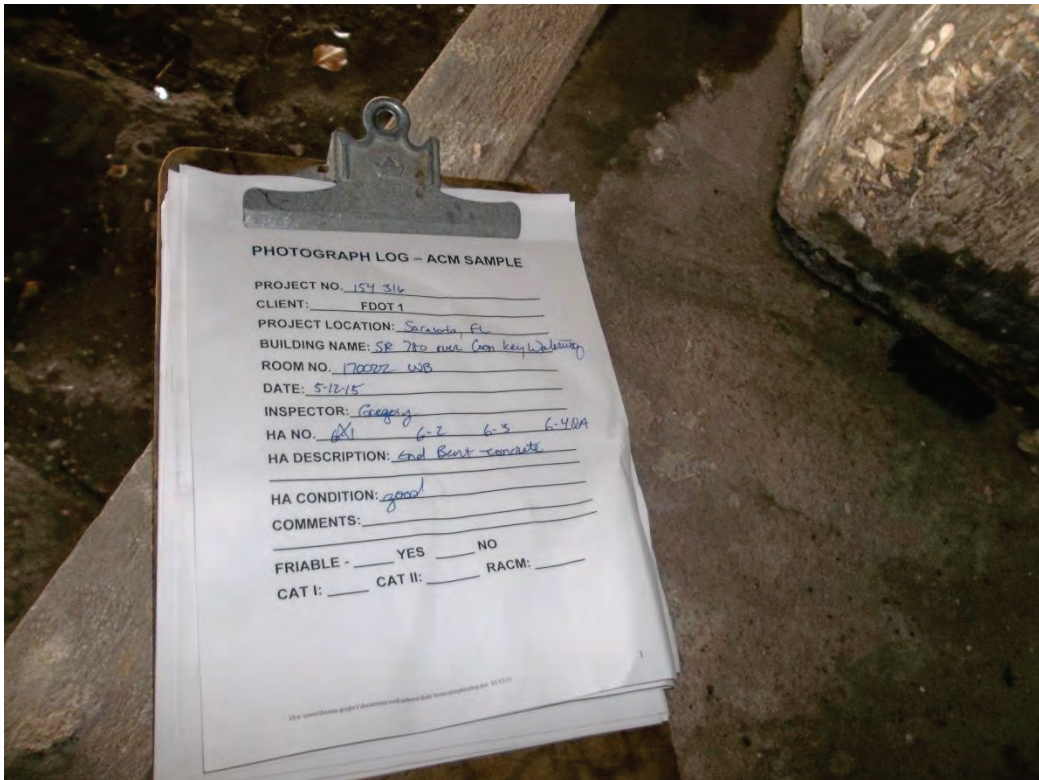


**PHOTO 18 – 5/12/15 – SAMPLE 5.3 – HA 5
MORTAR
ABUTMENT WALL**

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**

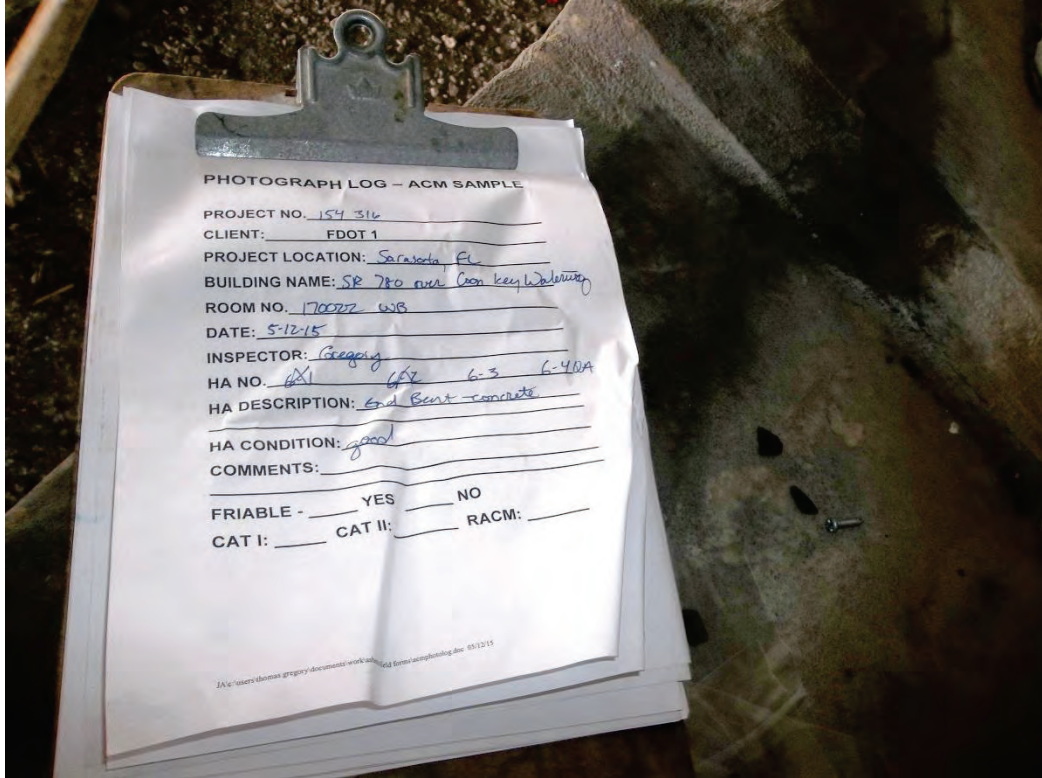


**PHOTO 19 – 5/12/15 – SAMPLE 6.1 – HA 6
CONCRETE
END BENT PILE CAP**

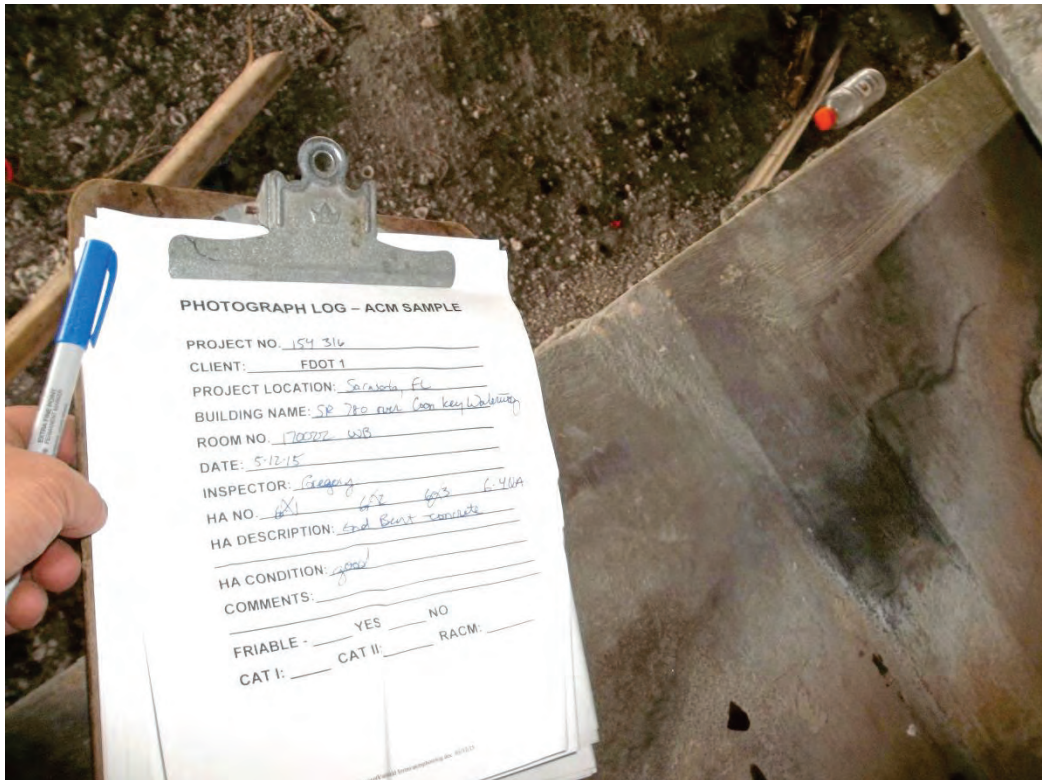


**PHOTO 20 – 5/12/15 – SAMPLE 6.2 – HA 6
CONCRETE
END BENT PILE CAP**

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 21 - 5/12/15 - SAMPLE 6.3 - HA 6
CONCRETE
END BENT PILE CAP**



**PHOTO 22 - 5/12/15 - SAMPLE 6.4 QA/QC- HA 6
CONCRETE
END BENT PILE CAP**

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

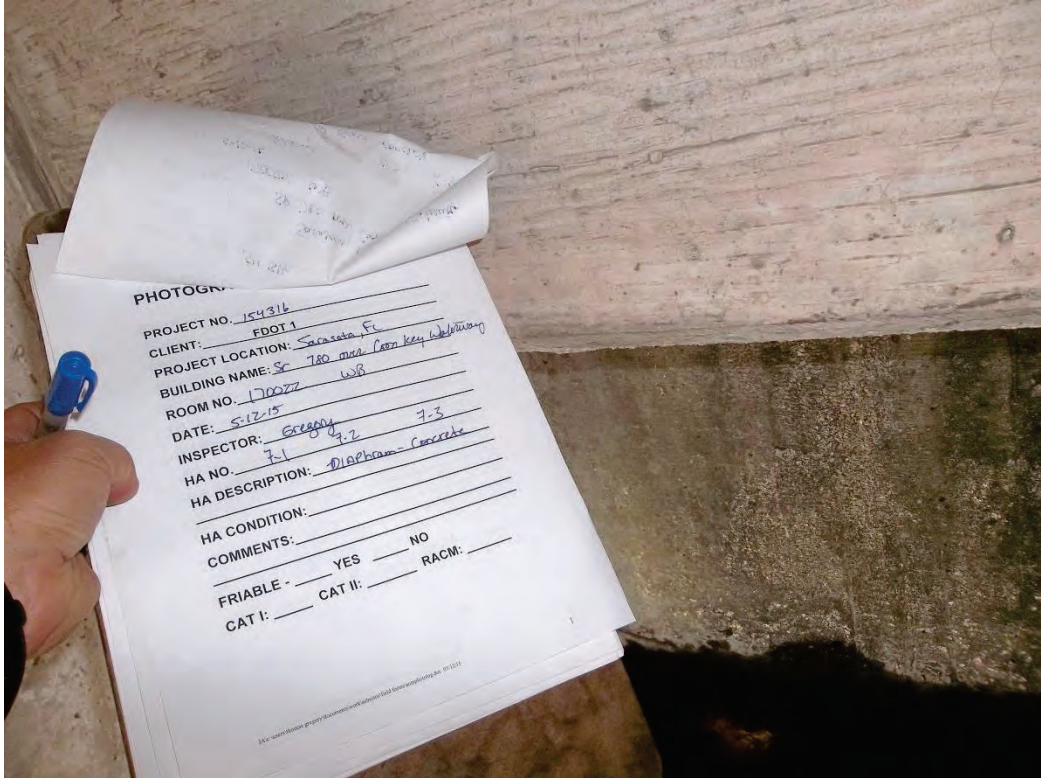


PHOTO 23 – 5/12/15 – SAMPLE 7.1 – HA 7
CONCRETE
DIAPHRAM

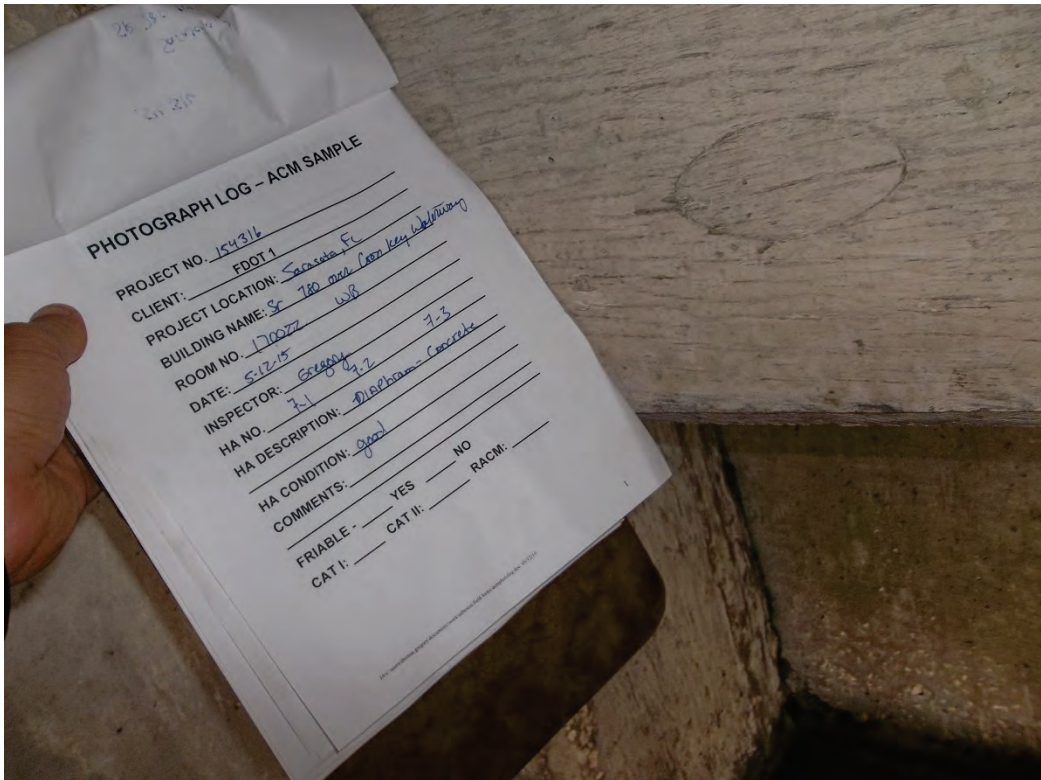


PHOTO 24 – 5/12/15 – SAMPLE 7.2 – HA 7
CONCRETE
DIAPHRAM

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

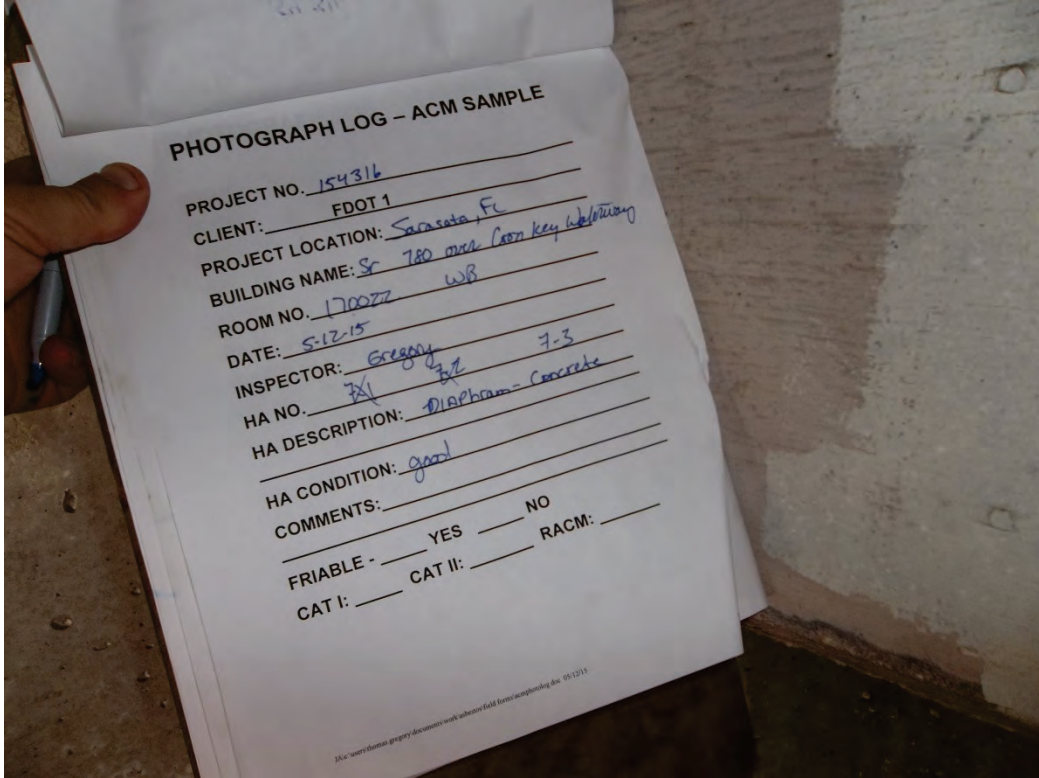


PHOTO 25 - 5/12/15 - SAMPLE 7.3 - HA 7
CONCRETE
DIAPHRAM

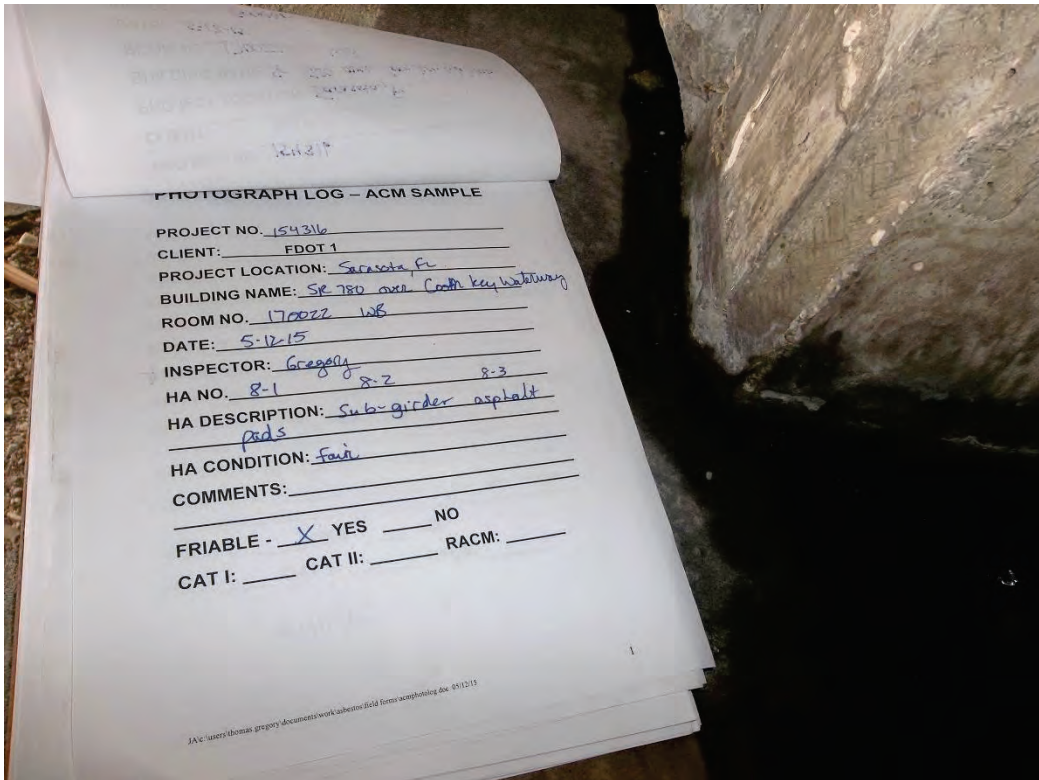
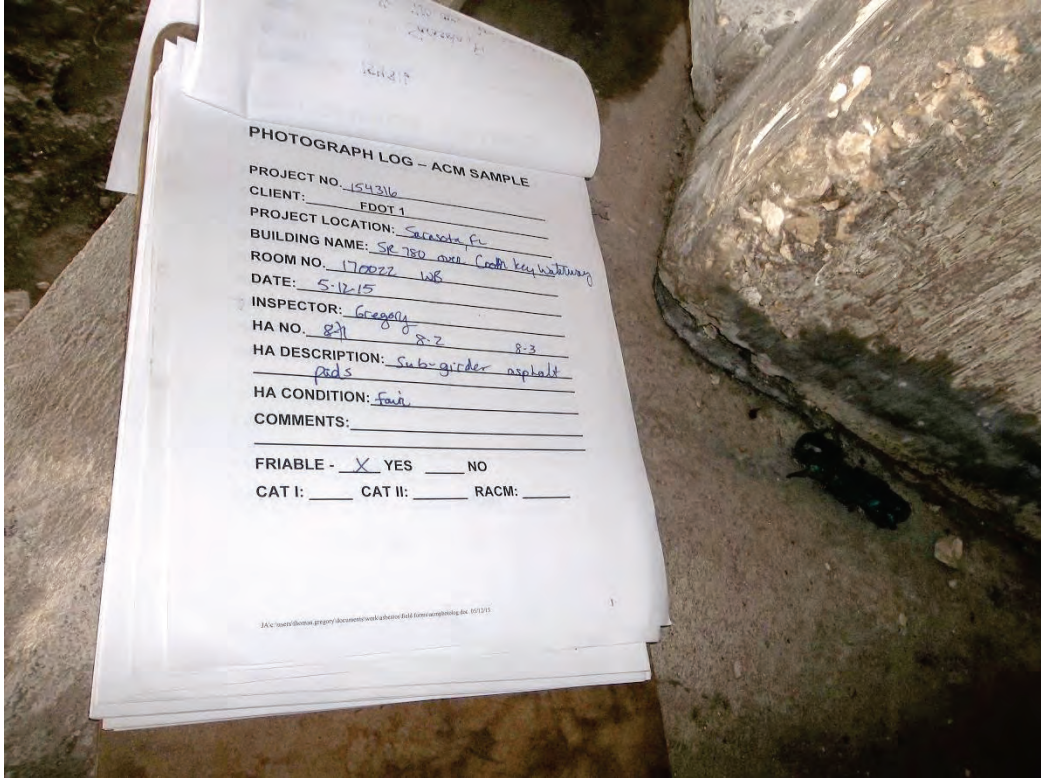
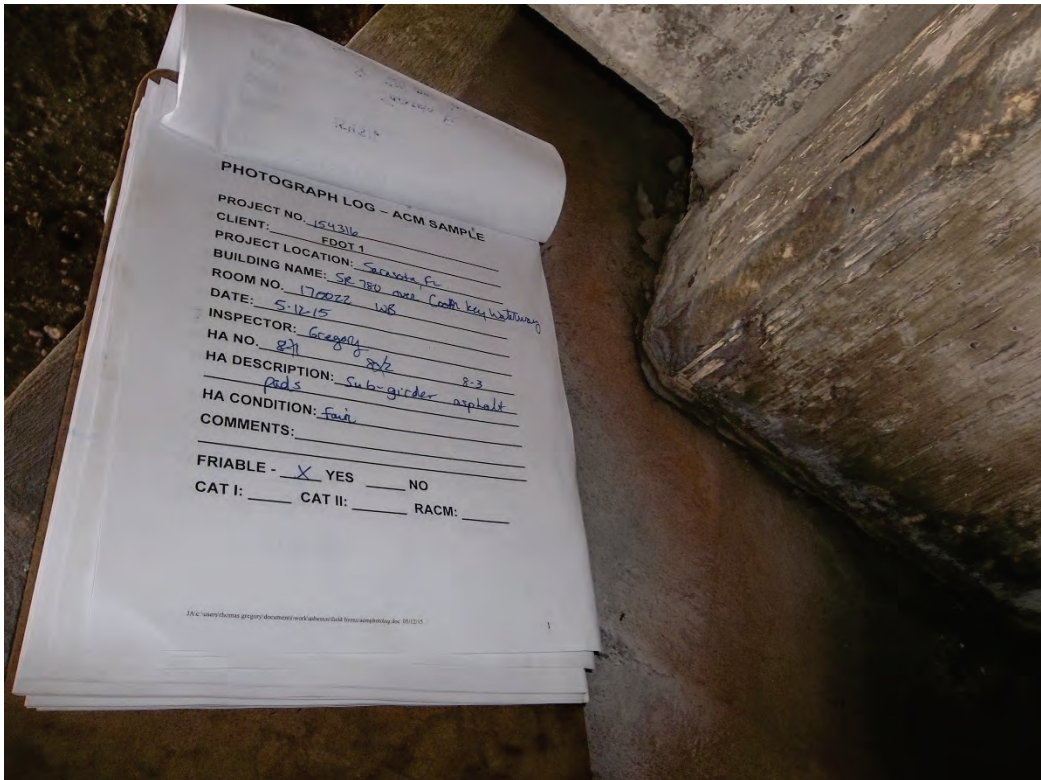


PHOTO 26 - 5/12/15 - SAMPLE 8.1 - HA 8
ASPHALT PAPER
SUBGIRDER BEARING PAD

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 27 - 5/12/15 - SAMPLE 8.2 - HA 8
ASPHALT PAPER
SUBGIRDER BEARING PAD**



**PHOTO 28 - 5/12/15 - SAMPLE 8.3 - HA 8
ASPHALT PAPER
SUBGIRDER BEARING PAD**

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

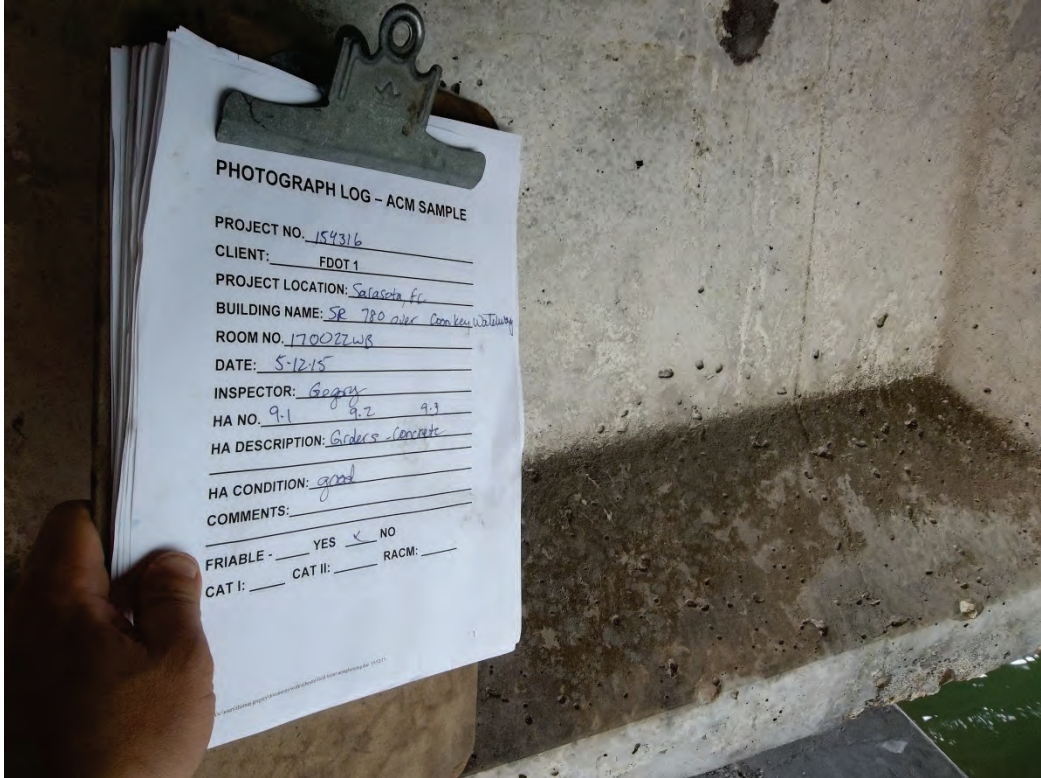


PHOTO 29 – 5/12/15 – SAMPLE 9.1 – HA 9
CONCRETE
GIRDER

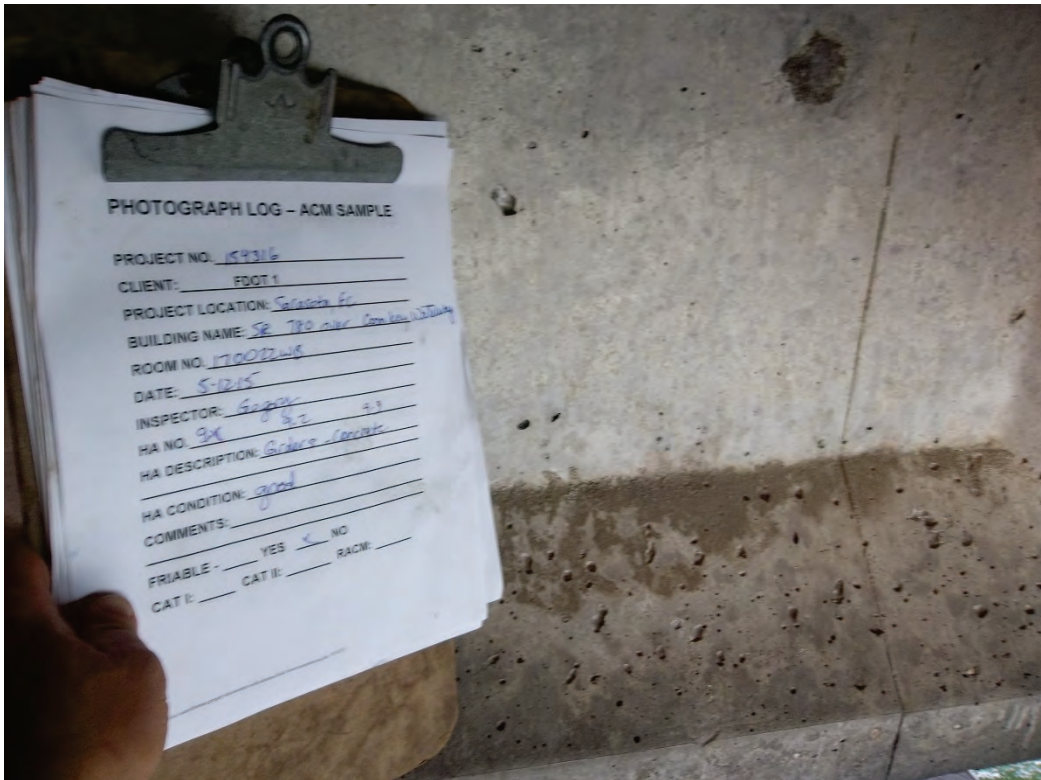
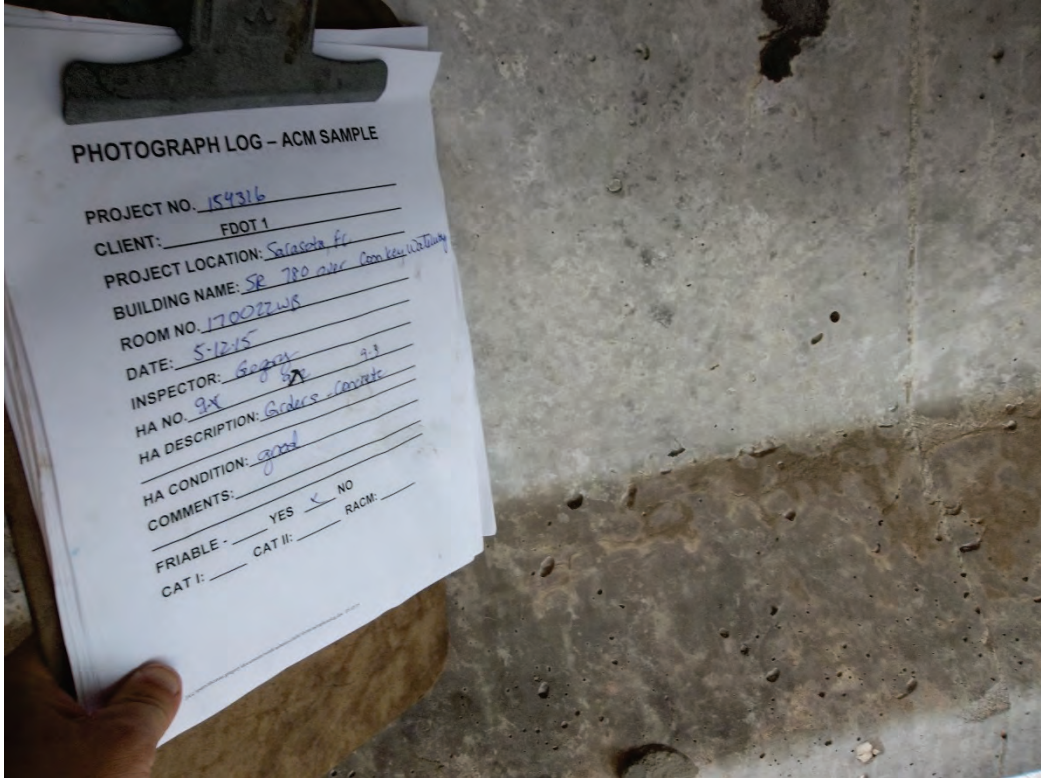


PHOTO 30 – 5/12/15 – SAMPLE 9.2 – HA 9
CONCRETE
GIRDER

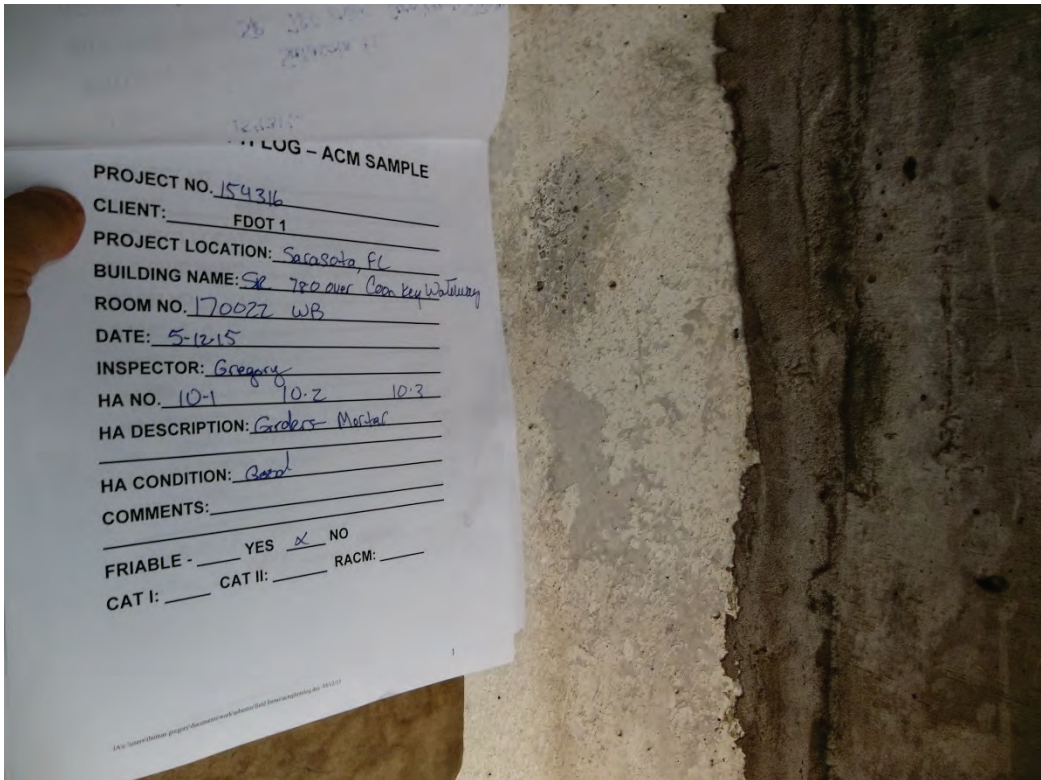
BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG



PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316
CLIENT: FDOT 1
PROJECT LOCATION: Sarasota, FL
BUILDING NAME: SR 780 over Conkey Way
ROOM NO. 170022WB
DATE: 5-12-15
INSPECTOR: Gregory
HA NO. 9.3
HA DESCRIPTION: Girders - Concrete
HA CONDITION: good
COMMENTS: _____
FRIABLE - YES NO
CAT I: _____ CAT II: _____ RACM: _____

PHOTO 31 - 5/12/15 - SAMPLE 9.3 - HA 9
CONCRETE
GIRDER



PROJECT NO. 154316
CLIENT: FDOT 1
PROJECT LOCATION: Sarasota, FL
BUILDING NAME: SR 780 over Conkey Way
ROOM NO. 170022 WB
DATE: 5-12-15
INSPECTOR: Gregory
HA NO. 10-1 10-2 10-3
HA DESCRIPTION: Girders - Mortar
HA CONDITION: Good
COMMENTS: _____
FRIABLE - YES NO
CAT I: _____ CAT II: _____ RACM: _____

PHOTO 32 - 5/12/15 - SAMPLE 10.1 - HA 10
MORTAR
GIRDER

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

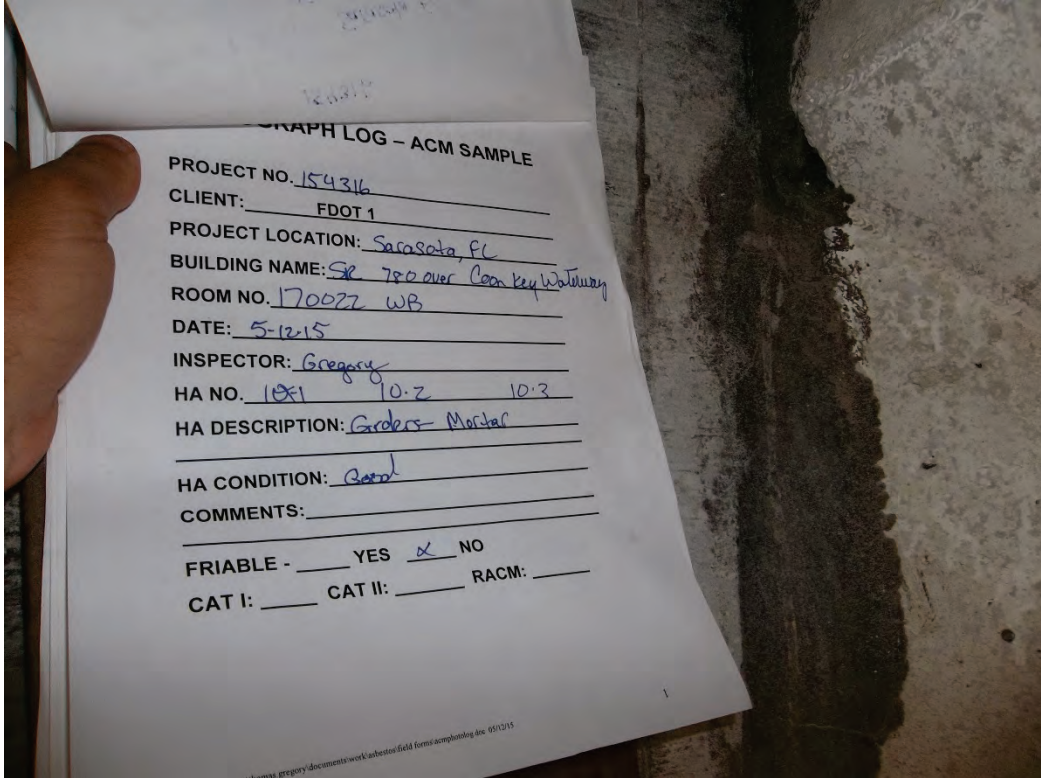


PHOTO 33 - 5/12/15 - SAMPLE 10.2 - HA 10
MORTAR
GIRDER

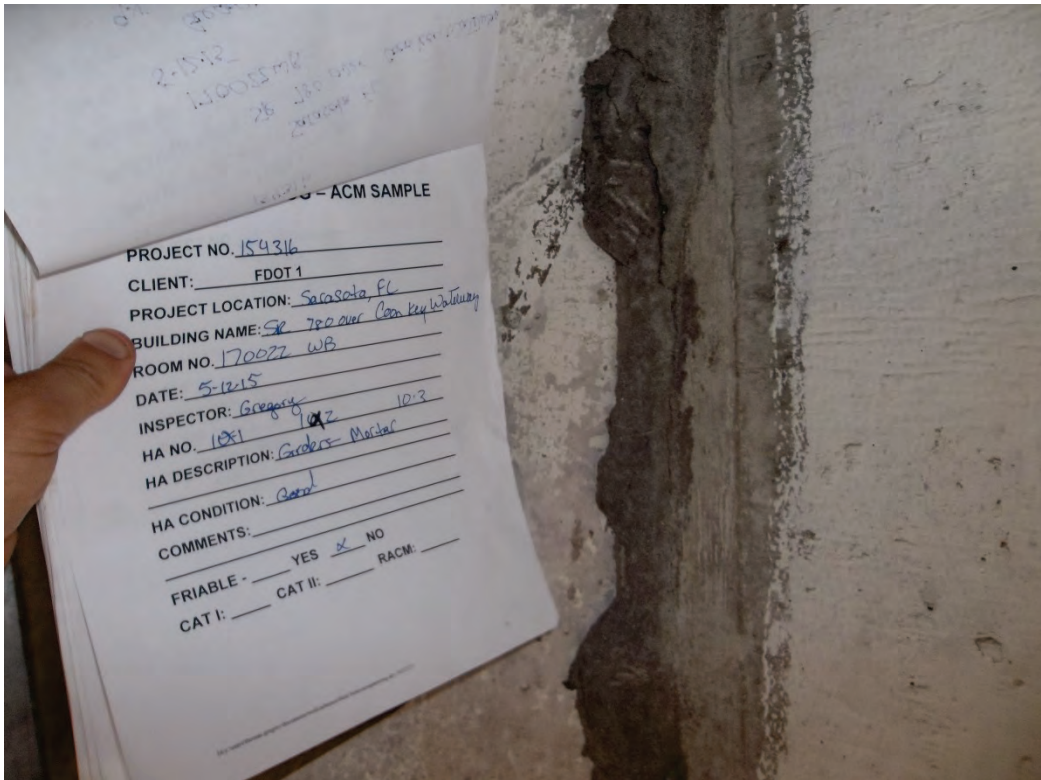


PHOTO 34 - 5/12/15 - SAMPLE 10.3 - HA 10
MORTAR
GIRDER

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

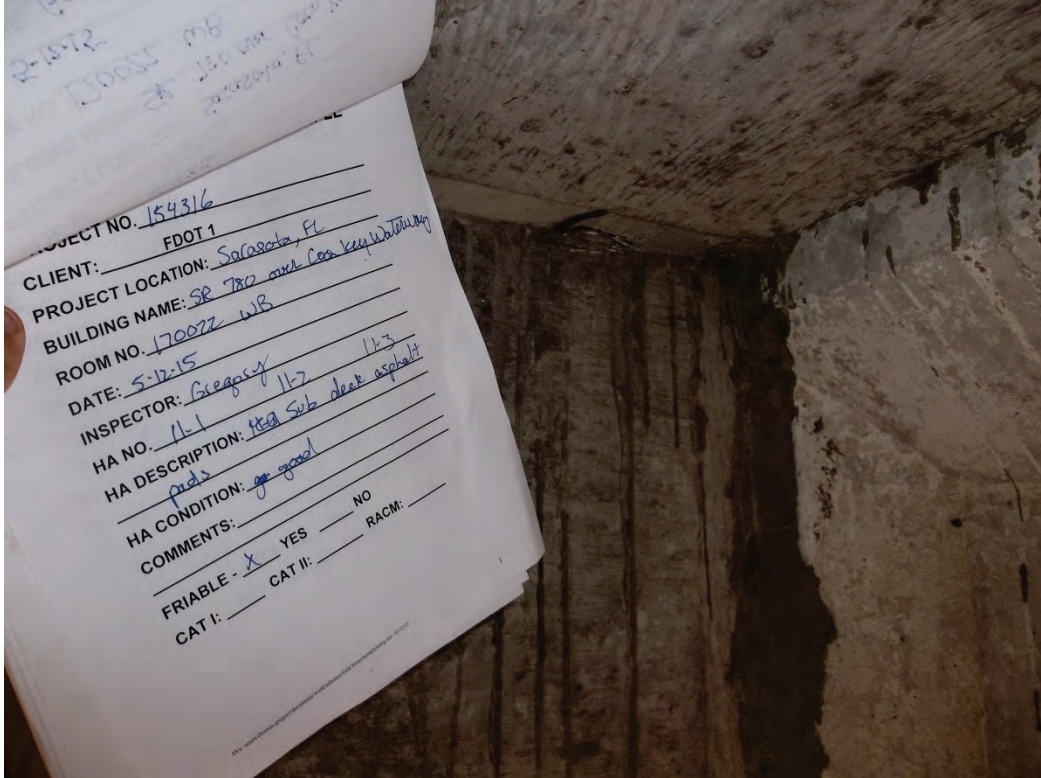


PHOTO 35 – 5/12/15 – SAMPLE 11.1 – HA 11
ASPHALT PAPER
SUBDECK BEARING PAD

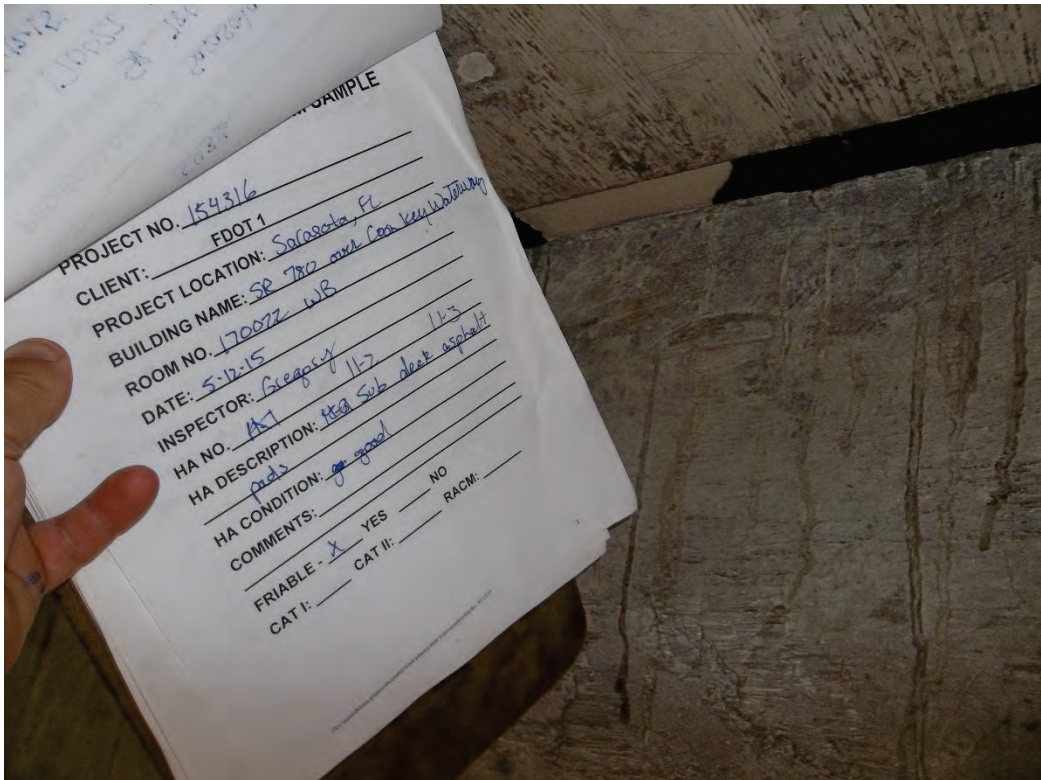


PHOTO 36 – 5/12/15 – SAMPLE 11.2 – HA 11
ASPHALT PAPER
SUBDECK BEARING PAD

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

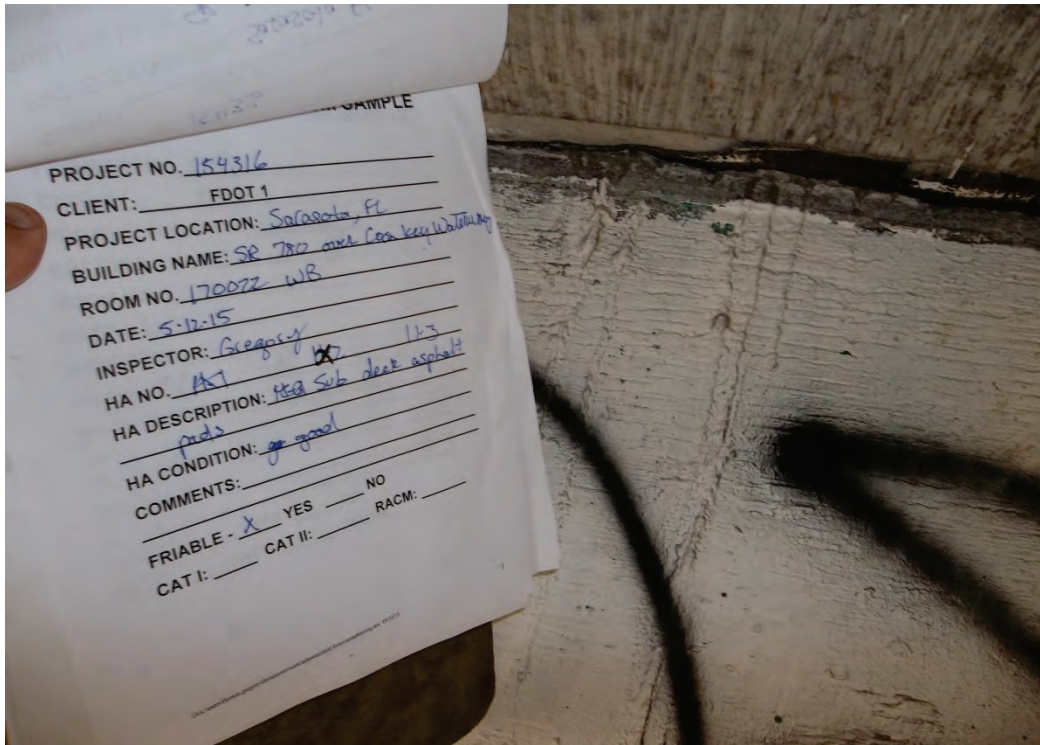


PHOTO 37 – 5/12/15 – SAMPLE 11.3 – HA 11
ASPHALT PAPER
SUBDECK BEARING PAD

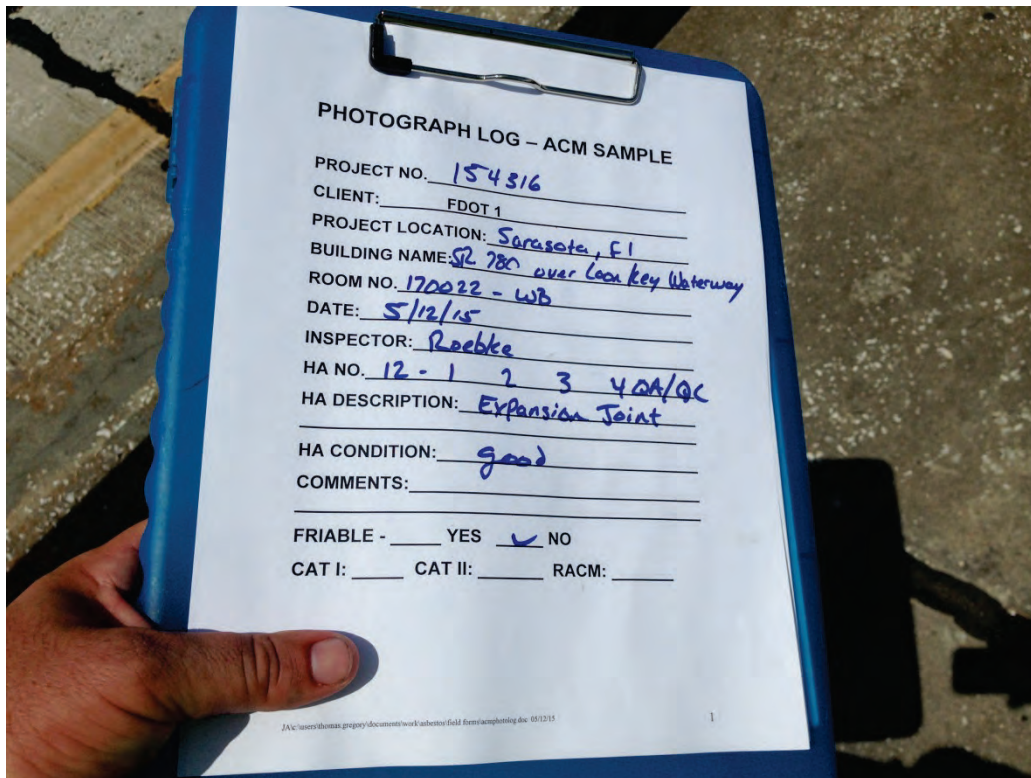


PHOTO 38 – 5/12/15 – SAMPLE 12.1 – HA 12
RUBBER SEALER
EXPANSION JOINTS

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**

PHOTOGRAPH LOG – ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Boca Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 12-~~1~~ 2 3 4 AA/QC

HA DESCRIPTION: Expansion Joint

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

**PHOTO 39 – 5/12/15 – SAMPLE 12.2 – HA 12
RUBBER SEALER
EXPANSION JOINTS**

PHOTOGRAPH LOG – ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Boca Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 12-~~1~~ ~~2~~ 3 4 AA/QC

HA DESCRIPTION: Expansion Joint

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

**PHOTO 40 – 5/12/15 – SAMPLE 12.3 – HA 12
RUBBER SEALER
EXPANSION JOINTS**

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 12 - 1 1 1 4 QA/QC

HA DESCRIPTION: Expansion Joint

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 41 - 5/12/15 - SAMPLE 12.4 QA/QC - HA 12
RUBBER SEALER
EXPANSION JOINTS

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 13 - 1 2 3

HA DESCRIPTION: Railings

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 42 - 5/12/15 - SAMPLE 13.1 - HA 13
CONCRETE
RAILING

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR. 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Raebke

HA NO. 13 ~~1~~ 2 3

HA DESCRIPTION: Railings

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 43 - 5/12/15 - SAMPLE 13.2 - HA 13
CONCRETE
RAILING

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR. 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Raebke

HA NO. 13 ~~1~~ 2 3

HA DESCRIPTION: Railings

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 44 - 5/12/15 - SAMPLE 13.3 - HA 13
CONCRETE
RAILING

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022-WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 14-1 2 3

HA DESCRIPTION: END CAP

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

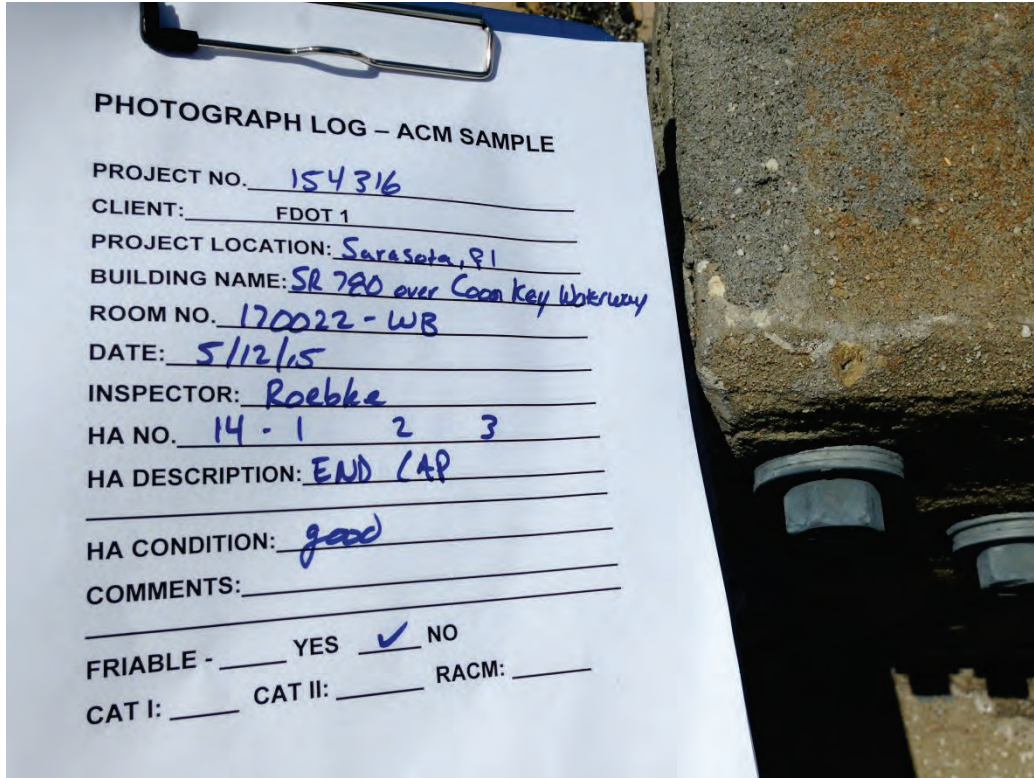


PHOTO 45 - 5/12/15 - SAMPLE 14.1 - HA 14
CONCRETE
END CAP

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022-WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 14-1 2 3

HA DESCRIPTION: END CAP

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

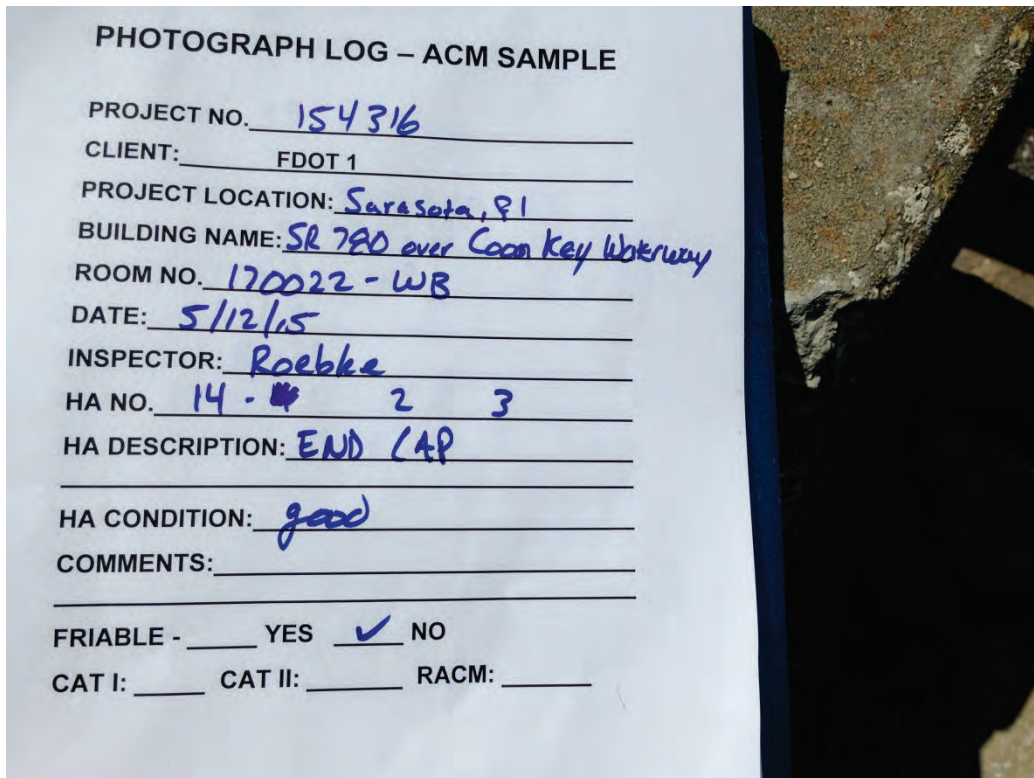


PHOTO 46 - 5/12/15 - SAMPLE 14.2 - HA 14
CONCRETE
END CAP

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

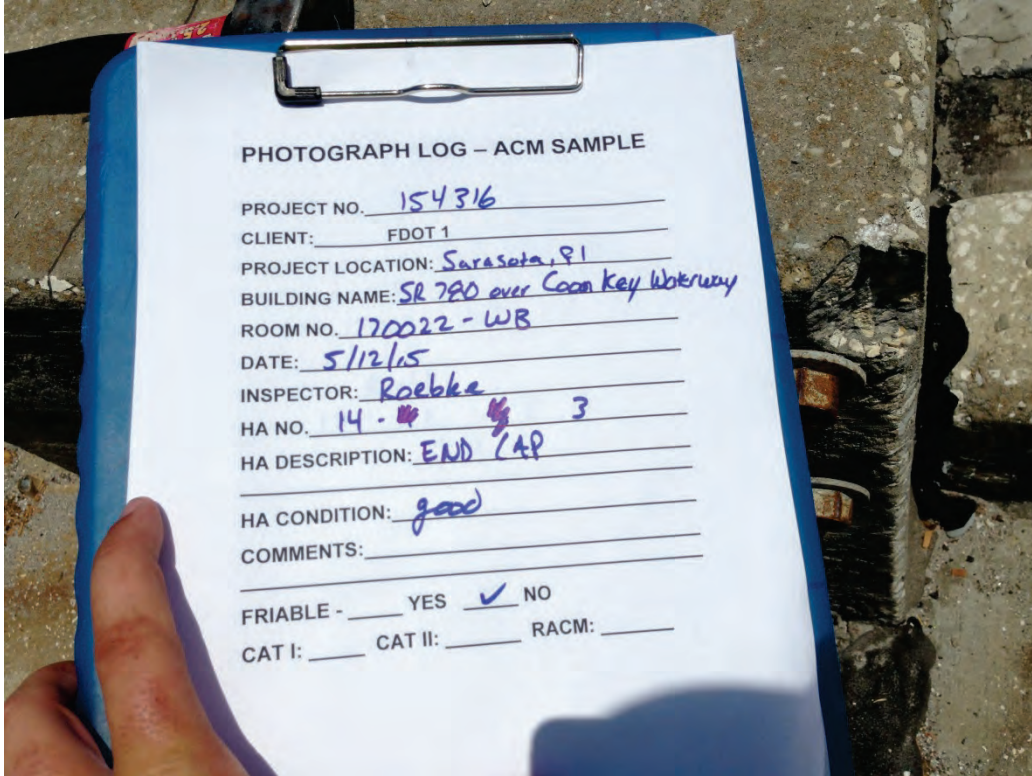


PHOTO 47 - 5/12/15 - SAMPLE 14.3 - HA 14
CONCRETE
END CAP

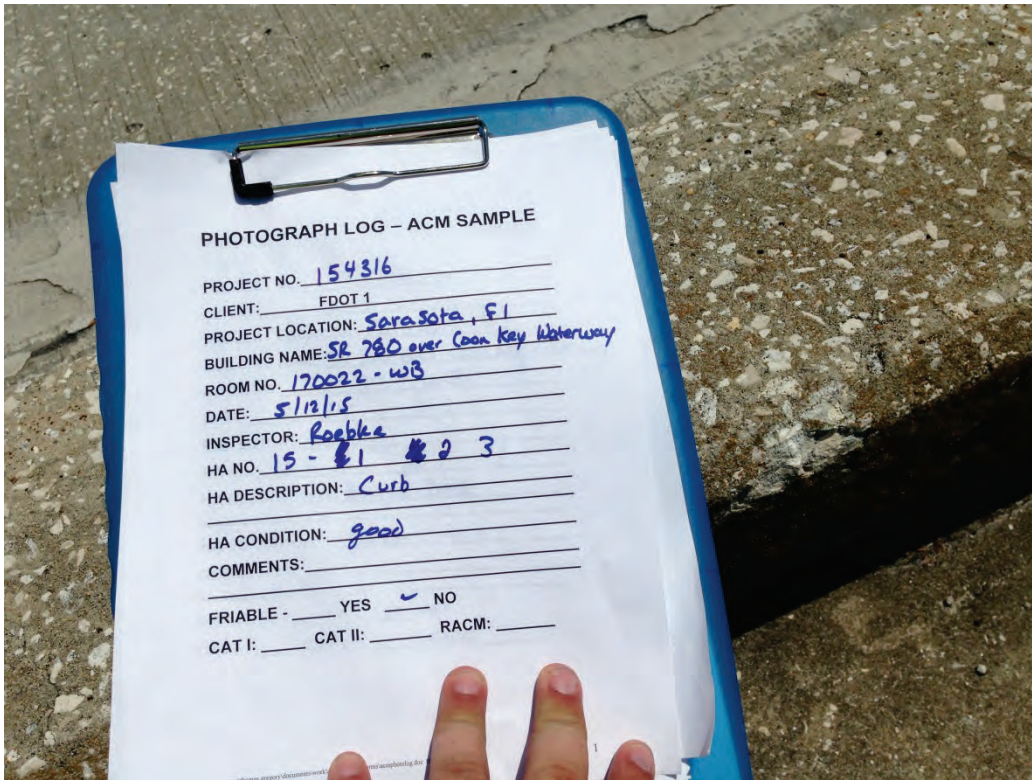


PHOTO 48 - 5/12/15 - SAMPLE 15.1 - HA 15
CONCRETE
CURB

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

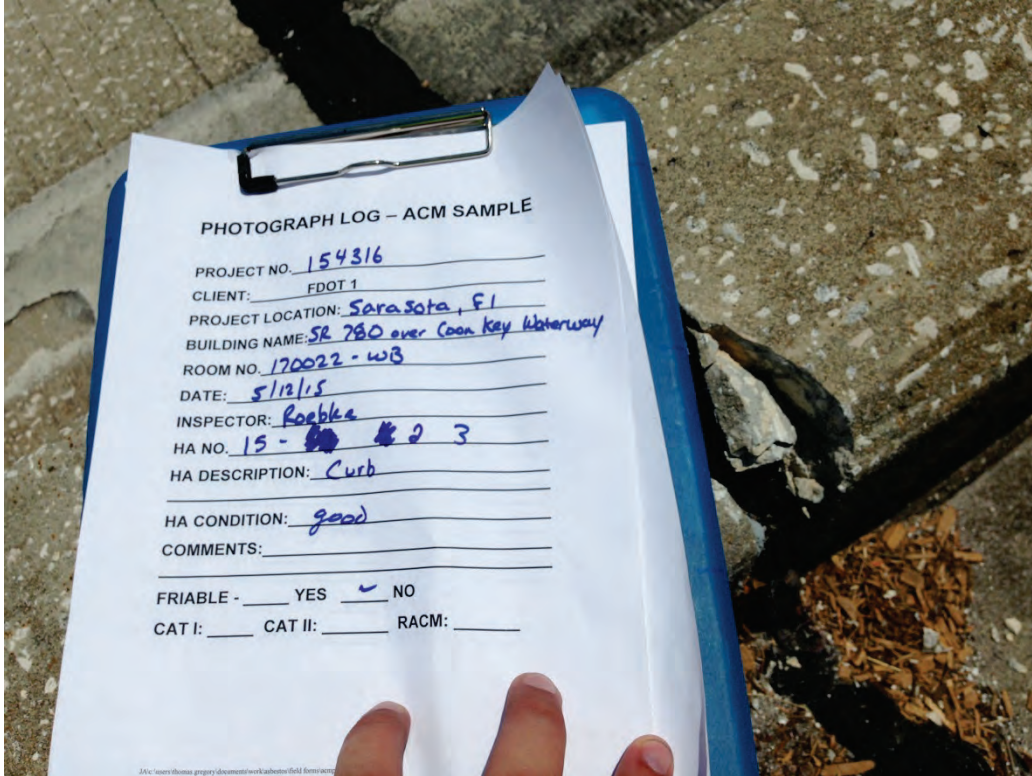


PHOTO 49 – 5/12/15 – SAMPLE 15.2 – HA 15
CONCRETE
CURB



PHOTO 50 – 5/12/15 – SAMPLE 15.3 – HA 15
CONCRETE
CURB

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 16 - 1 2 3

HA DESCRIPTION: Bridge Deck

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 51 - 5/12/15 - SAMPLE 16.1 - HA 16
CONCRETE
DECK

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 16 - 1 2 3

HA DESCRIPTION: Bridge Deck

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 52 - 5/12/15 - SAMPLE 16.2 - HA 16
CONCRETE
DECK

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 16 - 3

HA DESCRIPTION: Bridge Deck

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

1

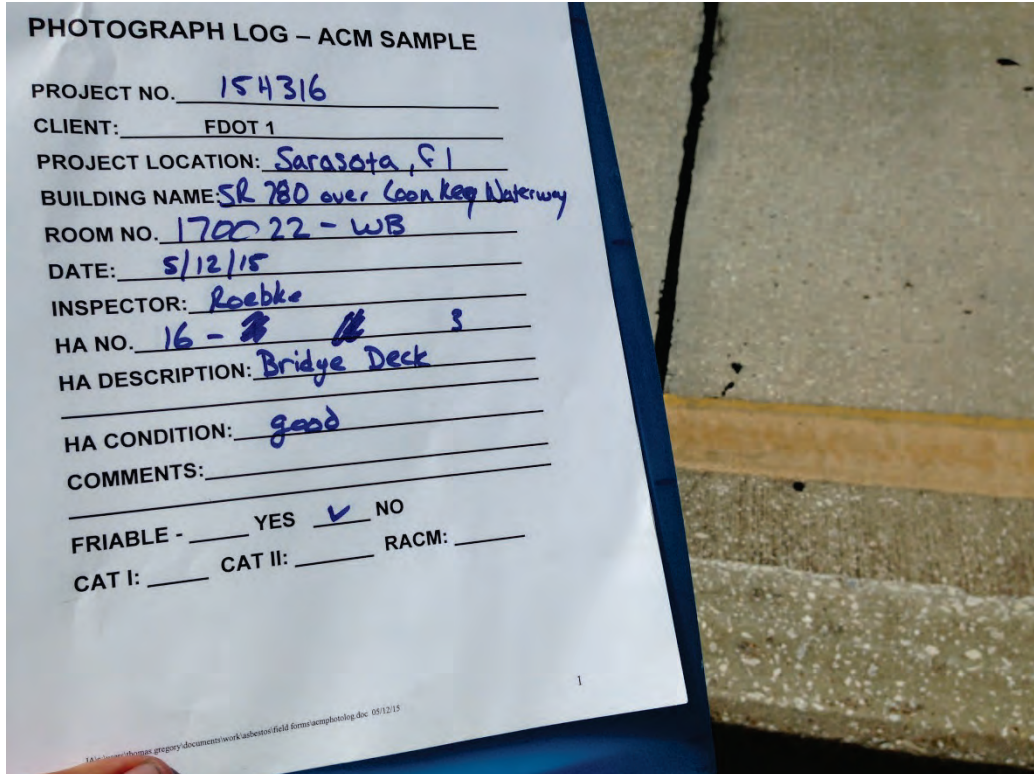


PHOTO 53 - 5/12/15 - SAMPLE 16.3 - HA 16
CONCRETE
DECK

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 17 - 1 2 3

HA DESCRIPTION: Railing Post

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

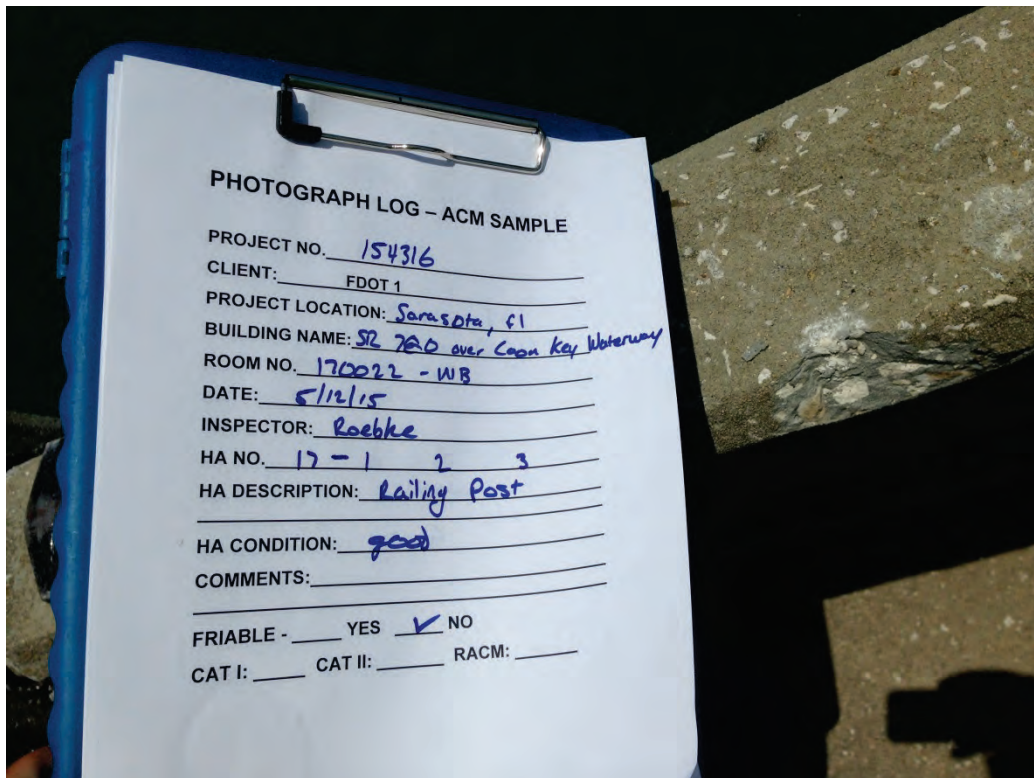


PHOTO 54 - 5/12/15 - SAMPLE 17.1 - HA 17
CONCRETE
RAILING POST

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

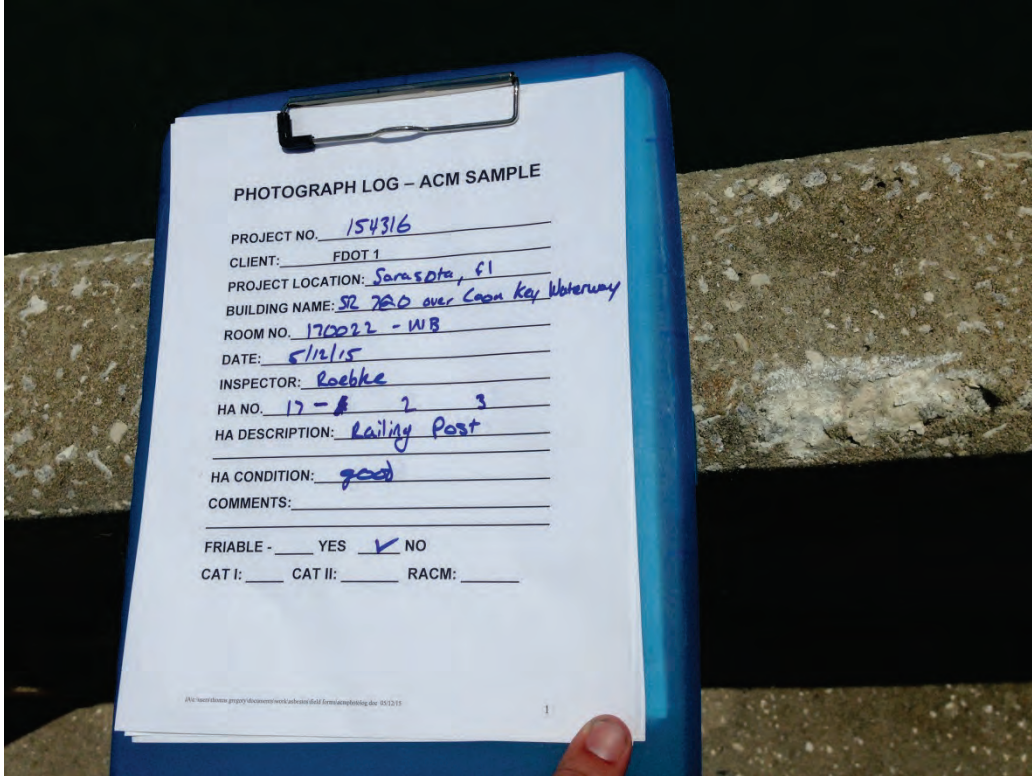


PHOTO 55 – 5/12/15 – SAMPLE 17.2 – HA 17
CONCRETE
RAILING POST

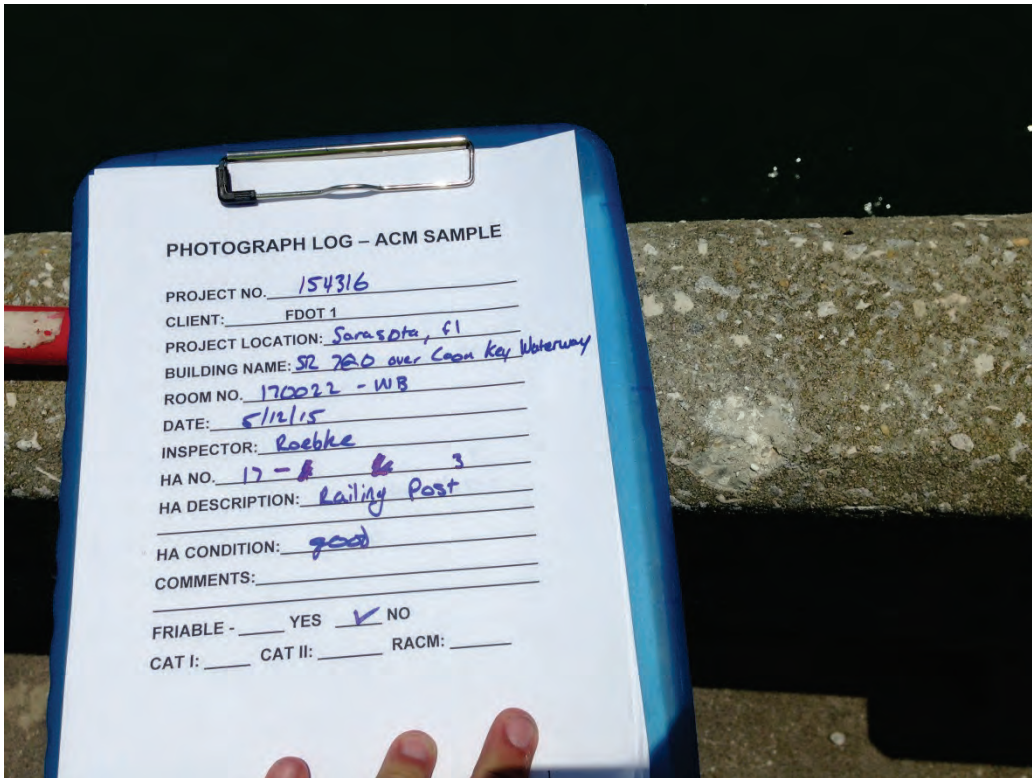


PHOTO 56 – 5/12/15 – SAMPLE 17.3 – HA 17
CONCRETE
RAILING POST

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 18 - 1 2 3 4 asphalt

HA DESCRIPTION: Deck CEMENT

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 57 - 5/12/15 - SAMPLE 18.1 - HA 18
MORTAR
BRIDGE DECK

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 18 - 1 2 3 4 asphalt

HA DESCRIPTION: Deck CEMENT

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 58 - 5/12/15 - SAMPLE 18.2 - HA 18
MORTAR
BRIDGE DECK

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 18-6-4

HA DESCRIPTION: Deck CEMENT

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 59 - 5/12/15 - SAMPLE 18.3 - HA 18
MORTAR
BRIDGE DECK

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170022 - WB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 18-6-4

HA DESCRIPTION: Deck CEMENT

HA CONDITION: good

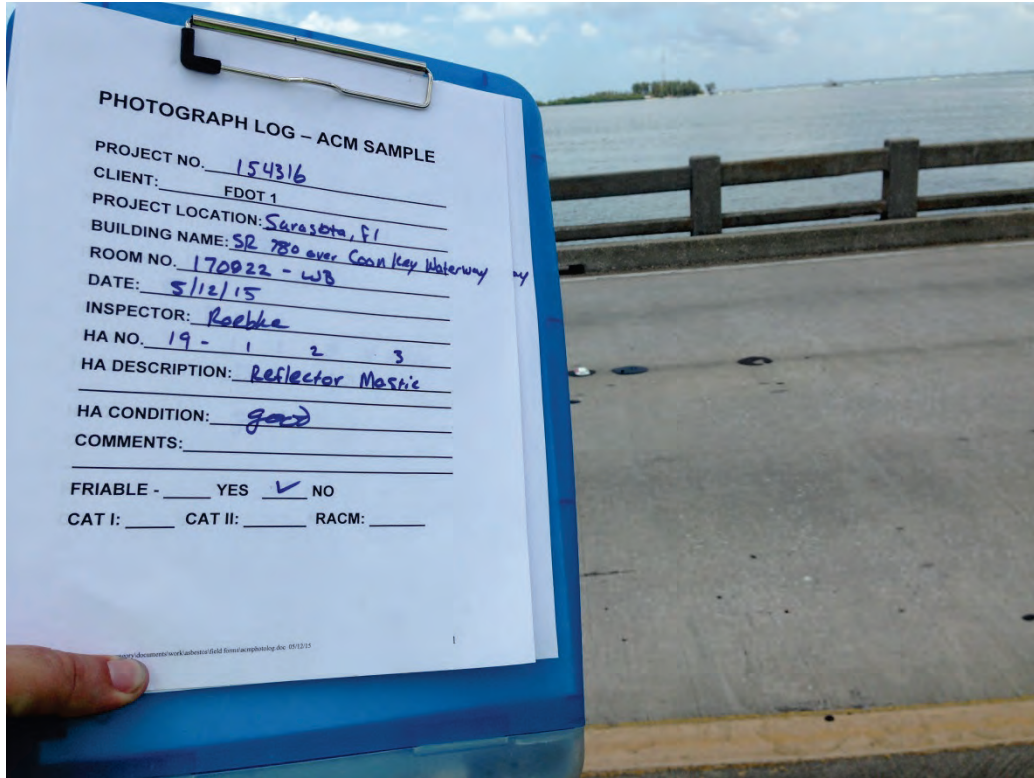
COMMENTS: _____

FRIABLE - YES NO

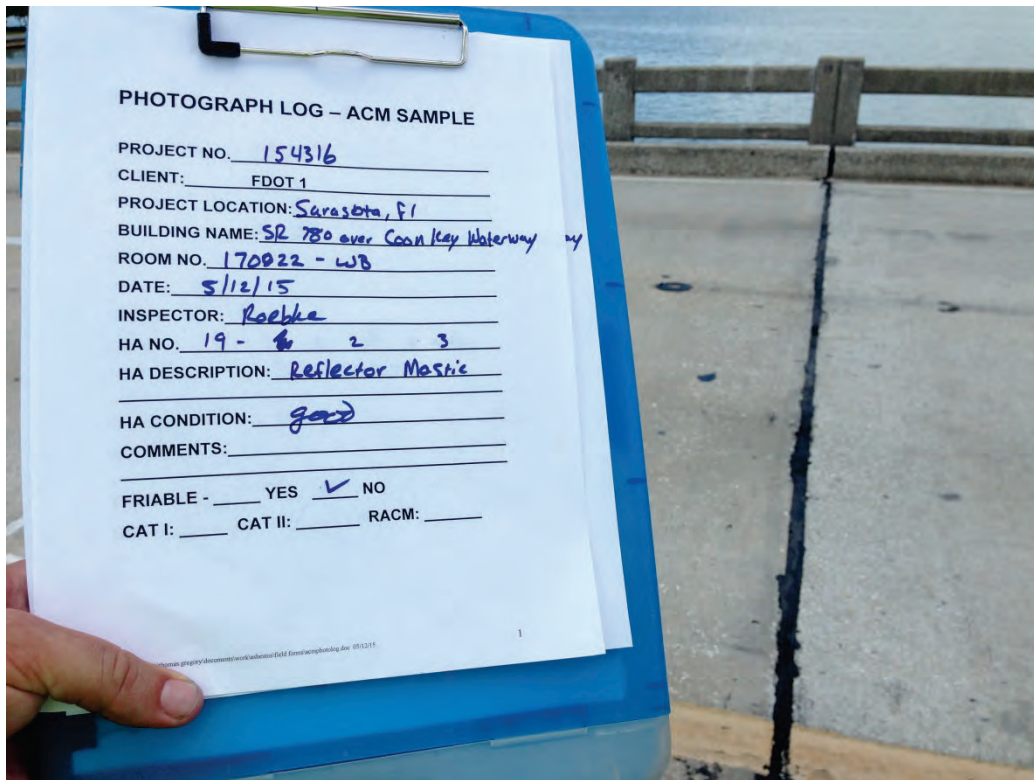
CAT I: _____ CAT II: _____ RACM: _____

PHOTO 60 - 5/12/15 - SAMPLE 18.4 QA/QC - HA 18
MORTAR
BRIDGE DECK

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**

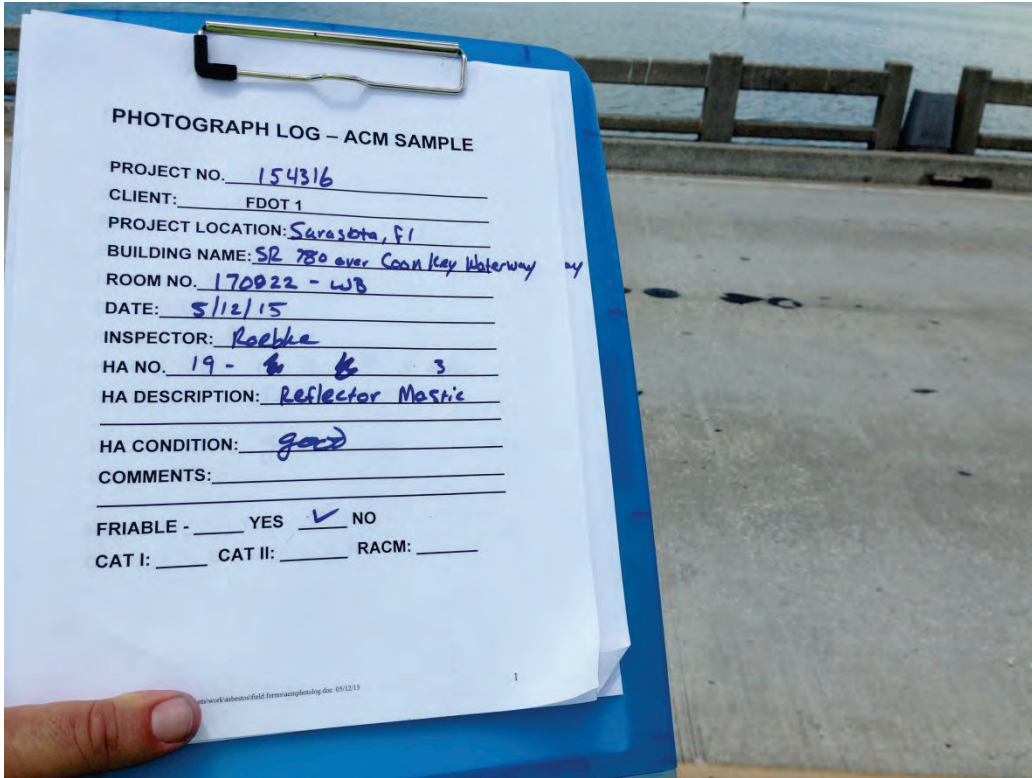


**PHOTO 61 – 5/12/15 – SAMPLE 19.1 – HA 19
BLACK ADHESIVE MASTIC
UNDER REFLECTORS ON DECK**

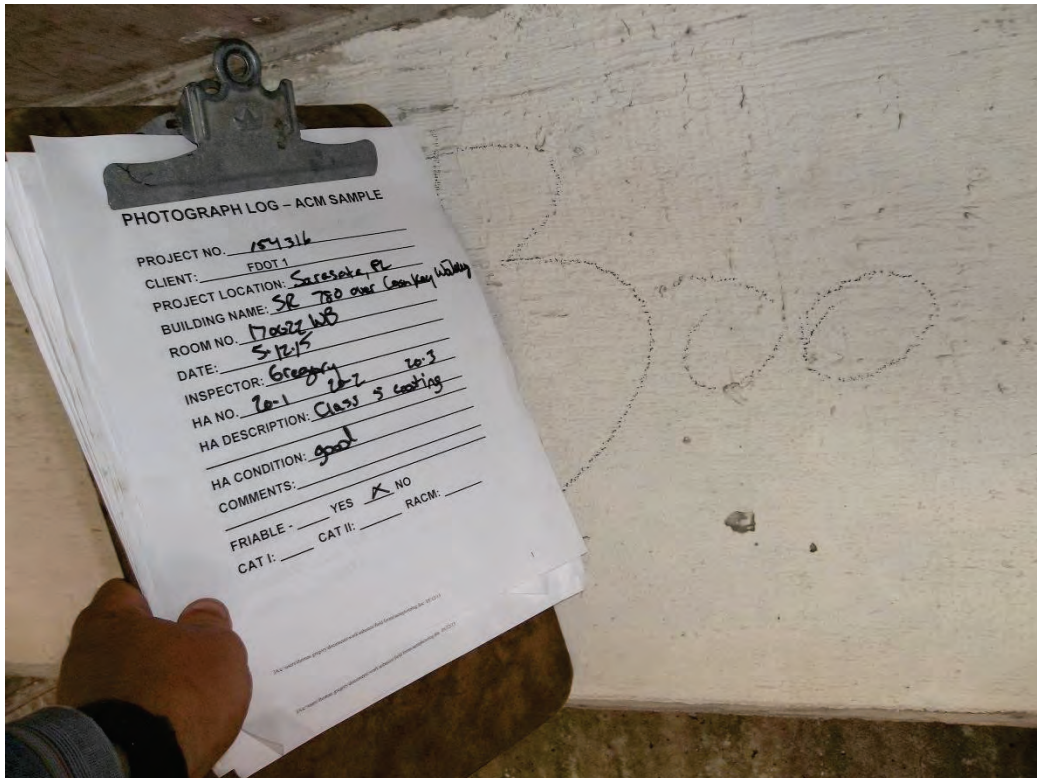


**PHOTO 62 – 5/12/15 – SAMPLE 19.2 – HA 19
BLACK ADHESIVE MASTIC
UNDER REFLECTORS ON DECK**

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**

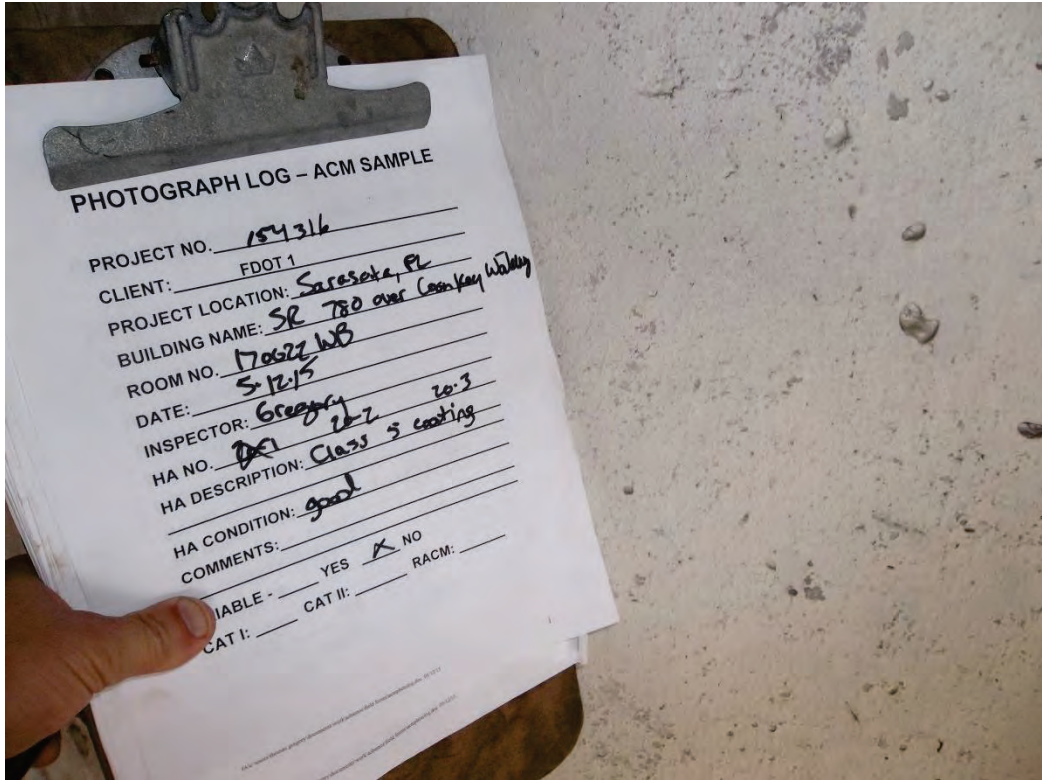


**PHOTO 63 – 5/12/15 – SAMPLE 19.3 – HA 19
BLACK ADHESIVE MASTIC
UNDER REFLECTORS ON DECK**

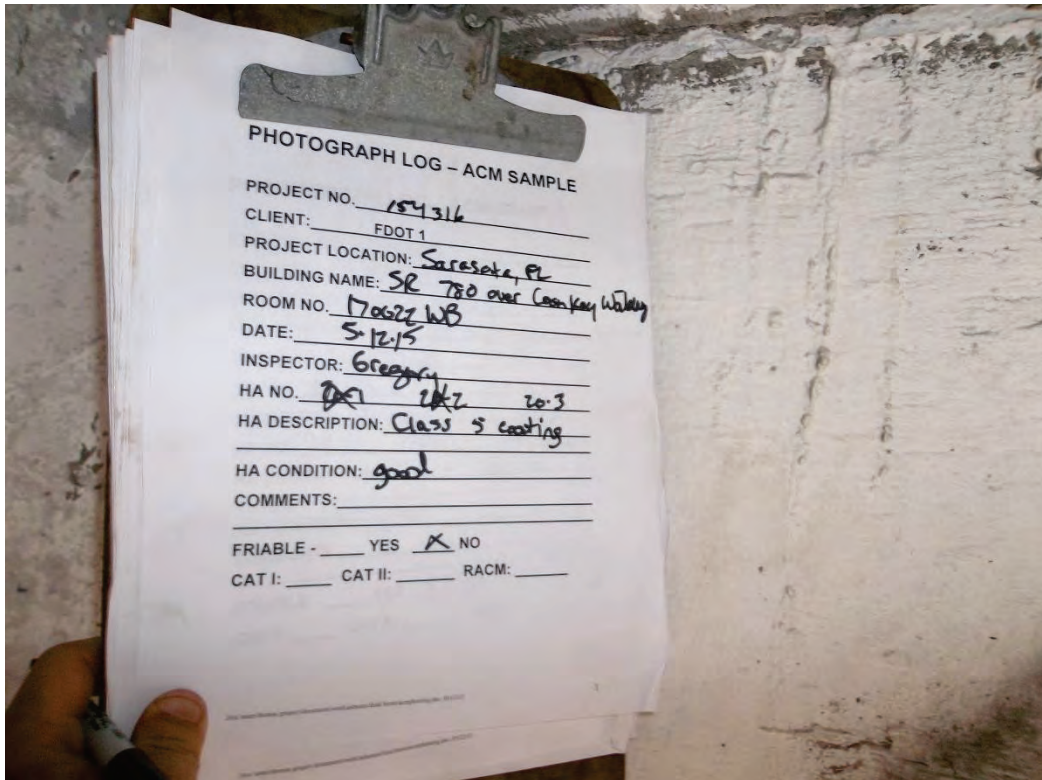


**PHOTO 64 – 5/12/15 – SAMPLE 20.1 – HA 20
CLASS 5 COATING
VARIOUS LOCATIONS ON GIRDERS**

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 65 – 5/12/15 – SAMPLE 20.2 – HA 20
CLASS 5 COATING
VARIOUS LOCATIONS ON GIRDERS**



**PHOTO 66 – 5/12/15 – SAMPLE 20.3 – HA 20
CLASS 5 COATING
VARIOUS LOCATIONS ON GIRDERS**

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

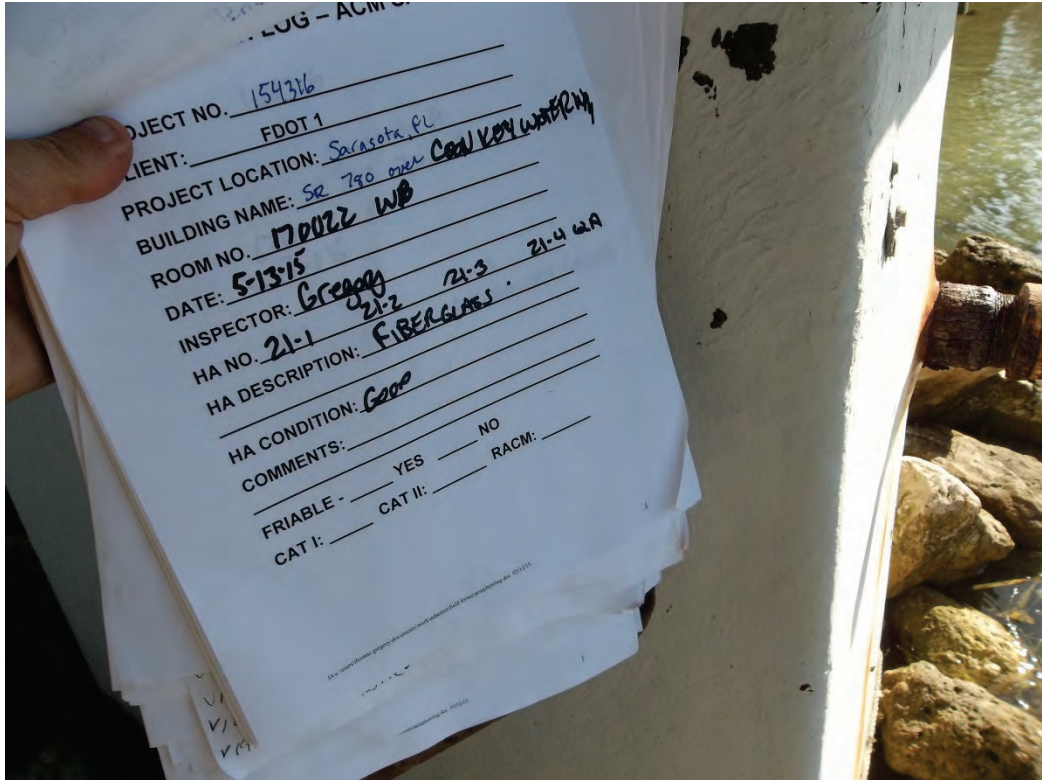


PHOTO 67 – 5/13/15 – SAMPLE 21.1 – HA 21
FIBERGLASS
PILE JACKET

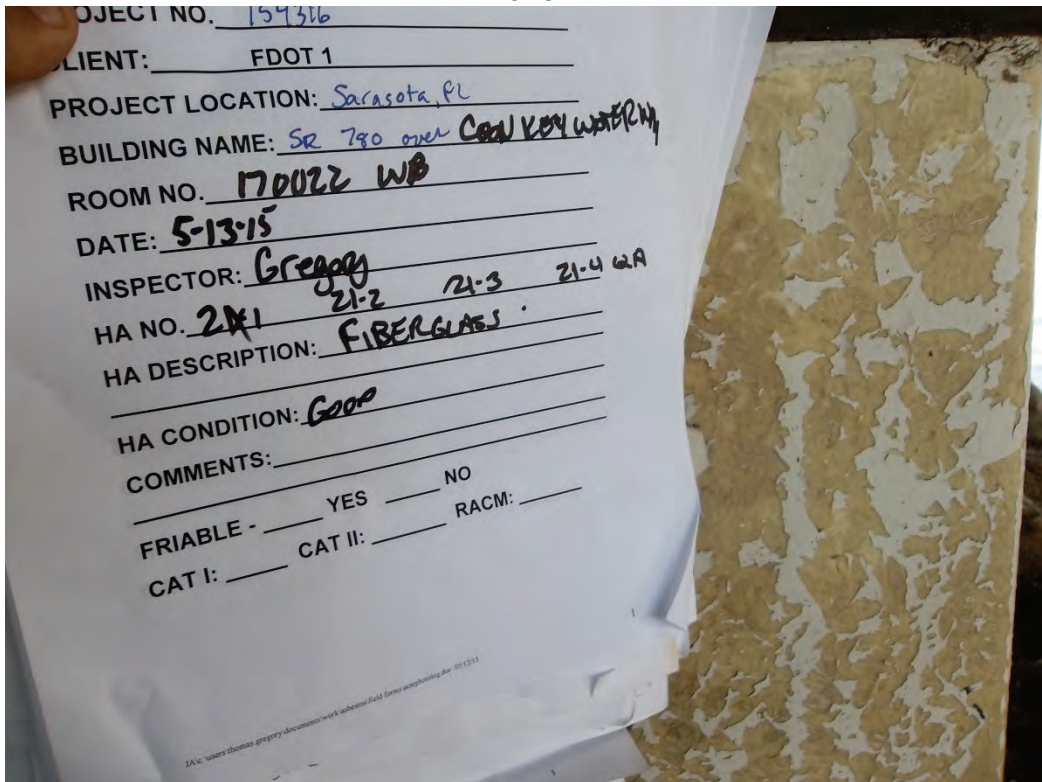
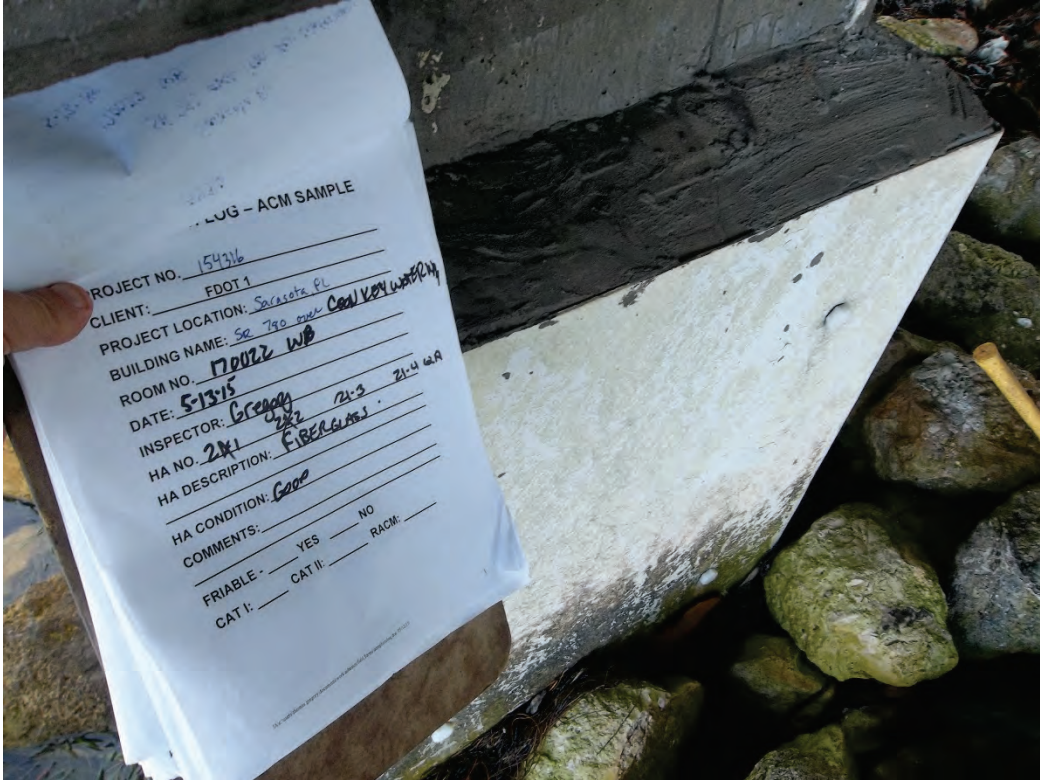
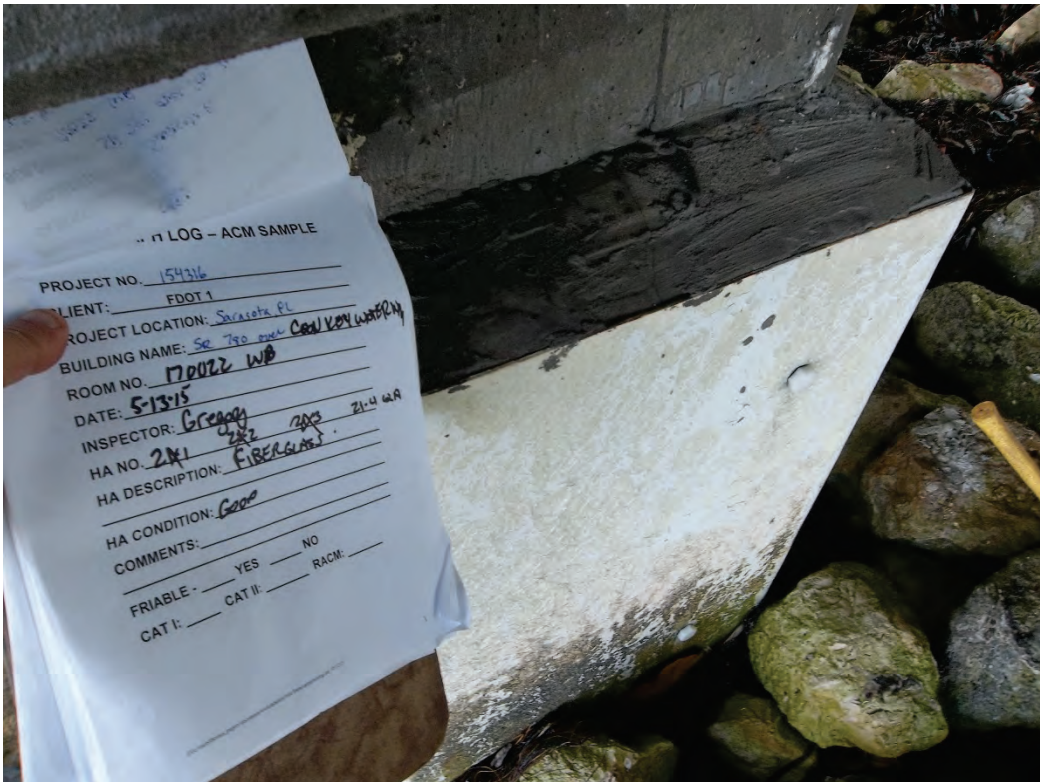


PHOTO 68 – 5/13/15 – SAMPLE 21.2 – HA 21
FIBERGLASS
PILE JACKET

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**

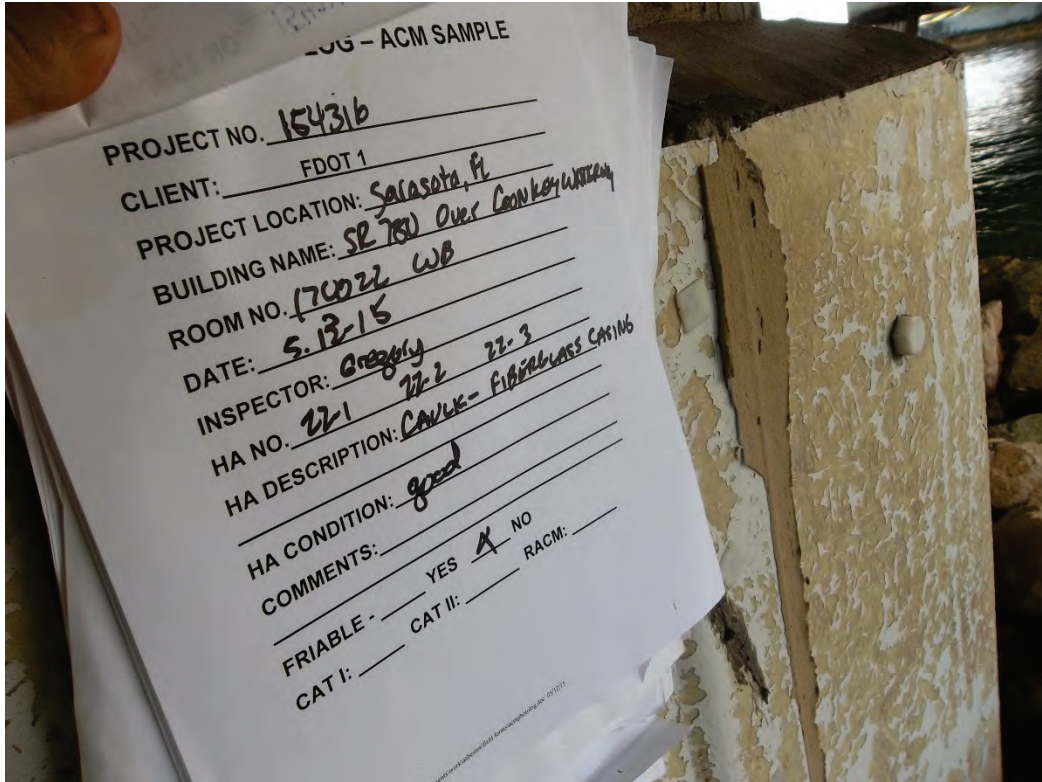


**PHOTO 69 – 5/13/15 – SAMPLE 21.3 – HA 21
FIBERGLASS
PILE JACKET**

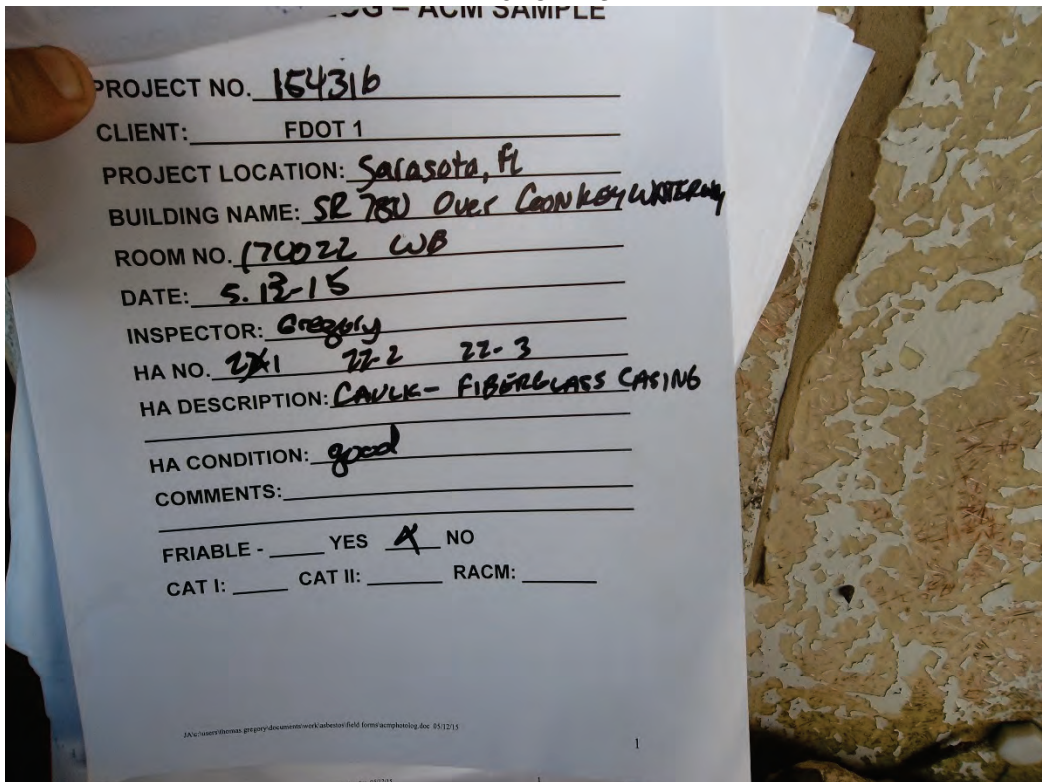


**PHOTO 70 – 5/13/15 – SAMPLE 21.4 QA/QC – HA 21
FIBERGLASS
PILE JACKET**

**BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 71 – 5/13/15 – SAMPLE 22.1 – HA 22
SEALANT (IN THE SPACE BETWEEN PILE AND PILE JACKET)
PILE JACKETS**



**PHOTO 72 – 5/13/15 – SAMPLE 22.2 – HA 22
SEALANT (IN THE SPACE BETWEEN PILE AND PILE JACKET)
PILE JACKETS**

BRIDGE 170022
ASBESTOS SURVEY PHOTO LOG

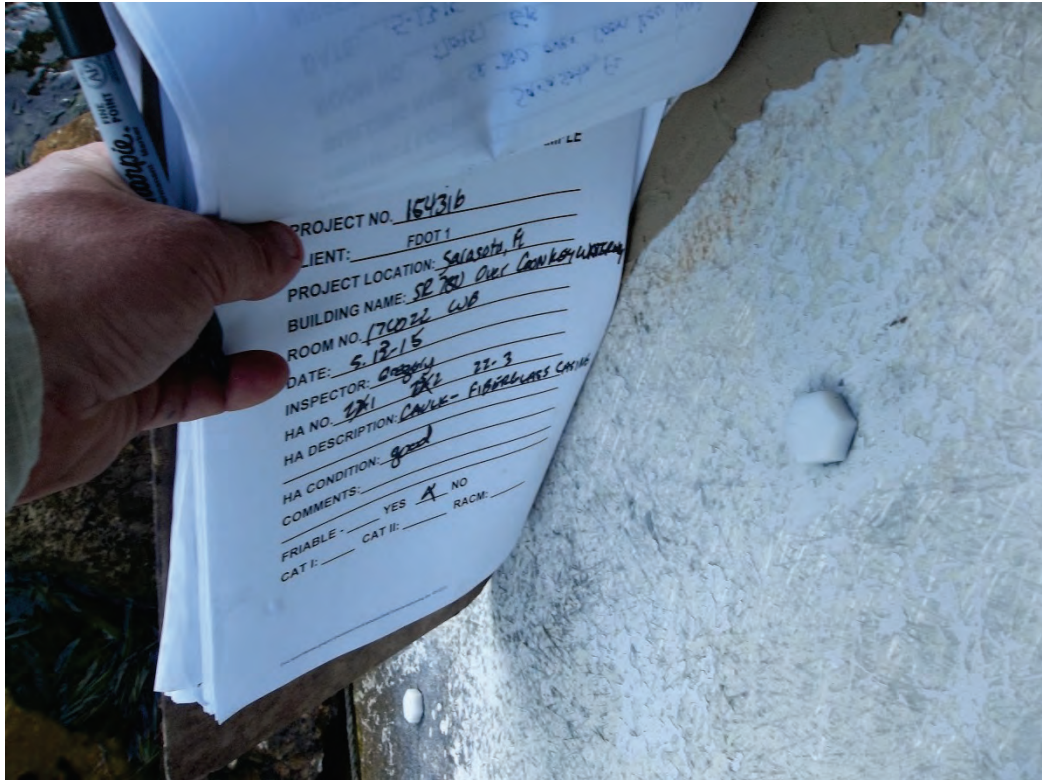


PHOTO 73 – 5/13/15 – SAMPLE 22.3 – HA 22
SEALANT (IN THE SPACE BETWEEN PILE AND PILE JACKET)
PILE JACKETS

SECTION 4

**LABORATORY ANALYTICAL DATA
AND CHAIN OF CUSTODY FORM(S)**



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

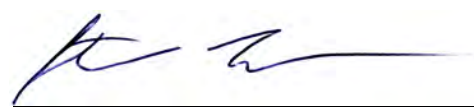
EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-1 341504828-0001	Support Piles - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 10% Ca Carbonate 45% Non-fibrous (other)	None Detected
1-2 341504828-0002	Support Piles - Concrete	Gray/Tan/White Fibrous Heterogeneous	<1% Cellulose <1% Synthetic	45% Quartz 10% Ca Carbonate 45% Non-fibrous (other)	None Detected
1-3 341504828-0003	Support Piles - Concrete	Gray/White Non-Fibrous Heterogeneous		40% Quartz 20% Ca Carbonate 40% Non-fibrous (other)	None Detected
2-1 341504828-0004	Bent Caps - Concrete	Gray/Tan Non-Fibrous Heterogeneous		40% Quartz 5% Ca Carbonate 55% Non-fibrous (other)	None Detected
2-2 341504828-0005	Bent Caps - Concrete	Gray Non-Fibrous Heterogeneous	<1% Cellulose	55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
2-3 341504828-0006	Bent Caps - Concrete	Gray Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
3-1 341504828-0007	Sea Wall - Concrete	Gray/Tan Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

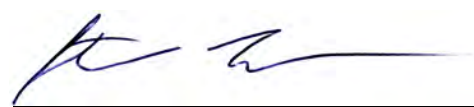
EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-2 341504828-0008	Sea Wall - Concrete	Gray/Tan/White Fibrous Heterogeneous	<1% Synthetic	55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
3-3 341504828-0009	Sea Wall - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 25% Ca Carbonate 25% Non-fibrous (other)	None Detected
4-1 341504828-0010	Abutment Wall - Concrete	Gray Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
4-2 341504828-0011	Abutment Wall - Concrete	Gray Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
4-3 341504828-0012	Abutment Wall - Concrete	Gray/Tan Non-Fibrous Heterogeneous		60% Quartz 10% Ca Carbonate 30% Non-fibrous (other)	None Detected
5-1 341504828-0013	Abutment Wall - Mortar	Gray Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
5-2 341504828-0014	Abutment Wall - Mortar	Gray Non-Fibrous Heterogeneous	<1% Cellulose	55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

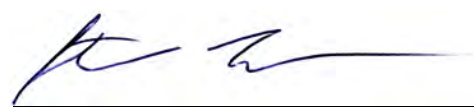
EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-3 341504828-0015	Abutment Wall - Mortar	Gray Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
6-1 341504828-0016	End Bent - Concrete	Gray Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
6-2 341504828-0017	End Bent - Concrete	Gray Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
6-3 341504828-0018	End Bent - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 15% Ca Carbonate 35% Non-fibrous (other)	None Detected
7-1 341504828-0019	Diaphragm - Concrete	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
7-2 341504828-0020	Diaphragm - Concrete	Gray/Tan/White Fibrous Heterogeneous	<1% Cellulose	50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
7-3 341504828-0021	Diaphragm - Concrete	Gray/White Non-Fibrous Heterogeneous		40% Quartz 30% Ca Carbonate 30% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

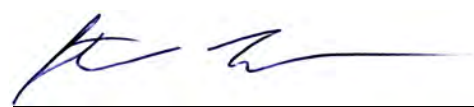
EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8-1 341504828-0022	Bearing Pads-Subgliders - Asphalt Paper	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
8-2 341504828-0023	Bearing Pads-Subgliders - Asphalt Paper	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
8-3 341504828-0024	Bearing Pads-Subgliders - Asphalt Paper	Brown/Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
9-1 341504828-0025	Gliders - Concrete	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
9-2 341504828-0026	Gliders - Concrete	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
9-3 341504828-0027	Gliders - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 15% Ca Carbonate 35% Non-fibrous (other)	None Detected
10-1 341504828-0028	Gliders - Mortar	Gray/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

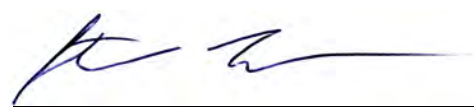
EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
10-2 341504828-0029	Gliders - Mortar	Gray Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
10-3 341504828-0030	Gliders - Mortar	Gray Non-Fibrous Homogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
11-1 341504828-0031	Bearing Pads- Subdeck - Asphalt Paper	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
11-2 341504828-0032	Bearing Pads- Subdeck - Asphalt Paper	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
11-3 341504828-0033	Bearing Pads- Subdeck - Asphalt Paper	Brown/Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
12-1 341504828-0034	Expansion Joints - Black Rubber	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12-2 341504828-0035	Expansion Joints - Black Rubber	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12-3 341504828-0036	Expansion Joints - Black Rubber	Gray/Black Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com


EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13-1 341504828-0037	Railing-Rail - Concrete	Gray/Tan Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
13-2 341504828-0038	Railing-Rail - Concrete	Gray/Tan Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
13-3 341504828-0039	Railing-Rail - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 25% Ca Carbonate 25% Non-fibrous (other)	None Detected
14-1 341504828-0040	End Cap - Concrete	Gray/Tan Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
14-2 341504828-0041	End Cap - Concrete	Gray/Tan Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
14-3 341504828-0042	End Cap - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 20% Ca Carbonate 30% Non-fibrous (other)	None Detected
15-1 341504828-0043	Curb - Concrete	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com


EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
15-2 341504828-0044	Curb - Concrete	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
15-3 341504828-0045	Curb - Concrete	Gray Non-Fibrous Homogeneous		45% Quartz 25% Ca Carbonate 30% Non-fibrous (other)	None Detected
16-1 341504828-0046	Deck - Concrete	Gray/Tan/White Non-Fibrous Heterogeneous		50% Quartz 15% Ca Carbonate 35% Non-fibrous (other)	None Detected
16-2 341504828-0047	Deck - Concrete	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	40% Quartz 15% Ca Carbonate 45% Non-fibrous (other)	None Detected
16-3 341504828-0048	Deck - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
17-1 341504828-0049	Railing Post - Concrete	Gray/Tan/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
17-2 341504828-0050	Railing Post - Concrete	Gray/Tan/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>orlandolab@emsl.com

EMSL Order: 341504828

CustomerID: SHAW77C

CustomerPO:

ProjectID:

Attn: **Shawn Flynn**
Shaw/CB&I
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

Phone: (407) 287-3200
 Fax:
 Received: 05/18/15 11:00 AM
 Analysis Date: 5/19/2015
 Collected: 5/13/2015

Project: 154316/Bridge 1700022

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17-3 341504828-0051	Railing Post - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
18-1 341504828-0052	Deck - Mortar	Gray Non-Fibrous Heterogeneous		45% Quartz 10% Ca Carbonate 45% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
18-2 341504828-0053	Deck - Mortar	Gray Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
18-3 341504828-0054	Deck - Mortar	Gray Non-Fibrous Homogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
19-1 341504828-0055	Reflector - Black Adhesive Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
19-2 341504828-0056	Reflector - Black Adhesive Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
19-3 341504828-0057	Reflector - Black Adhesive Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Lindsay Karashay (22)
 Manolo Hernandez (44)

Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

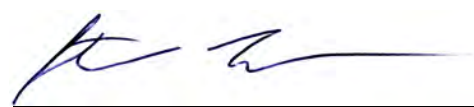
EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-1 341504828-0058	Class 5 Coating - Class 5 Coating	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-2 341504828-0059	Class 5 Coating - Class 5 Coating	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-3 341504828-0060	Class 5 Coating - Class 5 Coating	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
21-1 341504828-0061	Support Pile Protective Casing - Fiberglass	Gray Fibrous Heterogeneous	25% Glass	25% Quartz 50% Non-fibrous (other)	None Detected
21-2 341504828-0062	Support Pile Protective Casing - Fiberglass	Gray/White Fibrous Homogeneous	35% Glass	65% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
21-3 341504828-0063	Support Pile Protective Casing - Fiberglass	White/Yellow Fibrous Heterogeneous	30% Glass	70% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
22-1 341504828-0064	Support Pile Protective Casing - Sealant	Gray Non-Fibrous Heterogeneous		40% Quartz 5% Ca Carbonate 55% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

EMSL Order:	341504828
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	


Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/19/2015 Collected: 5/13/2015
Project: 154316/Bridge 1700022	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
22-2 341504828-0065	Support Pile Protective Casing - Sealant	Gray Non-Fibrous Heterogeneous		40% Quartz 5% Ca Carbonate 55% Non-fibrous (other)	None Detected
22-3 341504828-0066	Support Pile Protective Casing - Sealant	Gray Non-Fibrous Homogeneous		35% Quartz 5% Ca Carbonate 60% Non-fibrous (other)	None Detected

Analyst(s)

 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/21/2015 07:35:04



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

341504828

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: <u>CB&I</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>1228 Winter Garden Vineland Rd</u>		Third Party Billing requires written authorization from third party	
City: <u>Winter Garden</u>	State/Province: <u>FL</u>	Zip/Postal Code: <u>34787</u>	Country: <u>USA</u>
Report To (Name): <u>Shawn FLYNN</u>		Telephone #: <u>407-287-3200</u>	
Email Address: <u>Shawn.Flynn@cbi.com</u>		Fax #: <u>407-287-3201</u>	Purchase Order:
Project Name/Number: <u>154316/Bridge 1700022</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PLM - Bulk (reporting limit)	TEM - Bulk
<input type="checkbox"/> PLM EPA 600/R-93/116 (<1%)	<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1
<input type="checkbox"/> PLM EPA NOB (<1%)	<input type="checkbox"/> NY ELAP Method 198.4 (TEM)
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	<input type="checkbox"/> Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2
<input type="checkbox"/> NIOSH 9002 (<1%)	<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique
<input type="checkbox"/> NY ELAP Method 198.1 (frable in NY)	<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-frable-NY)	
<input type="checkbox"/> OSHA ID-191 Modified	<u>Other</u>
<input type="checkbox"/> Standard Addition Method	<input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group Date Sampled: 5/13/14/2015

Samplers Name: Thomas Gregory/Daniel Roebke Samplers Signature: [Signature]

Sample #	HA #	Sample Location	Material Description
1-1	1	support piles	concrete
1-2	1	support piles	concrete
1-3	1	support piles	concrete
2-1	2	Bent caps	concrete
2-2	2	Bent caps	concrete
2-3	2	Bent caps	concrete
3-1	3	Abutment ^{Sea} wall	concrete
3-2	3	Abutment ^{Sea} wall	concrete
3-3	3	Abutment ^{Sea} wall	concrete
4-1	4	Abutment wall	concrete

Client Sample # (s): [Signature] 1.1 - 22.3 Total # of Samples: 66

Relinquished (Client): _____ Date: _____ Time: _____

Received (Lab): Cass Efech Date: 5-18-15 Time: 11am

Comments/Special Instructions: _____



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

341504828

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
4-2	4	Abutment wall	concrete
4-3	4	Abutment wall	concrete
5-1	5	Abutment wall	mortar
5-2	5	Abutment wall	mortar
5-3	5	Abutment wall	mortar
6-1	6	End bent	concrete
6-2	6	End bent	concrete
6-3	6	End bent	concrete
7-1	7	Diaphragm	concrete
7-2	7	Diaphragm	concrete
7-3	7	Diaphragm	concrete
8-1	8	Bearing pads - subgirder	asphalt paper
8-2	8	Bearing pads - subgirder	asphalt paper
8-3	8	Bearing pads - subgirder	asphalt paper
9-1	9	guides	concrete
9-2	9	guides	concrete
9-3	9	guides	concrete
10-1	10	guides	mortar
10-2	10	guides	mortar
10-3	10	guides	mortar
11-1	11	Bearing pads - subdeck	asphalt paper
11-2	11	Bearing pads - subdeck	asphalt paper
11-3	11	Bearing pads - subdeck	asphalt paper
12-1	12	Expansion joints	black rubber
*Comments/Special Instructions:			



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

341504828

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
12-2	12	Expansion joint	black rubber
12-3	12	Expansion joint	black rubber
13-1	13	Railing - rail	concrete
13-2	13	Railing - rail	concrete
13-3	13	Railing - rail	concrete
14-1	14	End cap	concrete
14-2	14	End cap	concrete
14-3	14	End cap	concrete
15-1	15	curb	concrete
15-2	15	curb	concrete
15-3	15	curb	concrete
16-1	16	Deck	concrete
16-2	16	Deck	concrete
16-3	16	Deck	concrete
17-1	17	Railing - post	concrete
17-2	17	Railing - post	concrete
17-3	17	Railing post	concrete
18-1	18	Deck	mortar
18-2	18	Deck	mortar
18-3	18	Deck	mortar
19-1	19	reflector	Black adhesive mastic
19-2	19	reflector	Black adhesive mastic
19-3	19	reflector	Black adhesive mastic
20-1	20	Class 5 coating	class 5 coating
*Comments/Special Instructions:			

QUALITY ASSURANCE SAMPLING

QA/QC sampling was performed in accordance with the State of Florida Asbestos Survey Procedure Manual. Two QA/QC samples (sample No. 6.4 QA/QC, No. 12.4 QA/QC, No. 18.4 QA/AC and No. 21.4 QA/QC) were collected next to sample No. 6.3 and No. 12.3, No. 18.3 and No. 21.3 respectively. Laboratory analyses indicated that these QA/QC samples did not contain asbestos.

CERTIFICATE OF ANALYSIS

Client: Shaw Environmental Inc(CBI Co)
1228 Winter Garden Vineland Rd
Winter Garden FL 34787

Report Date: 5/23/2015
Report No.: 363772
Project: Bridge 170022
Project No.: 154316

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5629285 **Description / Location:** White/Grey Cementitious
Client No.: 6-4QA/QC End Bent

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5629286 **Description / Location:** Grey Rubber
Client No.: 12-4QA/QC Expansion Joint

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5629287 **Description / Location:** Grey Cementitious
Client No.: 18-4QA/QC Deck

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5629288 **Description / Location:** White Fibrous
Client No.: 21-4QA/QC Support Pile Protective Case

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Fibrous Glass	10

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Approved By: 

Date: 5/23/2015

Frank E. Ehrenfeld, III
Laboratory Director

Chain of Custody

–Bulk Asbestos –

Contact Information	
Client Company: <u>CB&I</u>	Project Number: <u>154316</u>
Office Address: <u>1228 Winter Garden Vineland Rd</u>	Project Name: <u>Bridge 170022</u>
City, State, Zip: <u>Orlando, FL 34787</u>	Primary Contact: <u>Shawn Flynn</u>
Fax Number: <u>407-287-3201</u>	Office Phone: <u>407-287-3200</u>
Email Address: <u>shawn.flynn@cbi.com</u>	Cell Phone: <u>407-832-3072</u>

PLM Instructions:	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010	
<input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	
<input type="checkbox"/> PLM: Point Counting	<input type="checkbox"/> PLM: Analyze Until Positive (Positive Stop)
<input type="checkbox"/> PC: via ELAP 198.1	<input type="checkbox"/> AUP: by Homogenous Area as Noted
<input type="checkbox"/> PC: 400 Points	<input type="checkbox"/> AUP: by Material Type as Noted
<input type="checkbox"/> PC: 800 Points *	<input type="checkbox"/> PLM: NOB via 198.6
<input type="checkbox"/> PC: 1600 Points *	<input type="checkbox"/> PLM: Friable via EPA 600 2.3
<input type="checkbox"/> PLM: Instructions for Multi-Layered Samples	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 *
<input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600	<input type="checkbox"/> If <1% by PLM, Hold for Instructions
<input type="checkbox"/> Report Composite for Drywall Systems per NESHAP	<input type="checkbox"/> PLM: Non-Building Material ^{***} (Dust, Wipe, Tape)
<input type="checkbox"/> Report All Layers and Composite Where Applicable	<input type="checkbox"/> Soil or Vermiculite Analysis [*]
<input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> CARB 435
Special Instructions: _____	
* Additional charge and turnaround may be required ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory	

Turnaround Time	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

Chain of Custody			
Relinquished (Name/Organization): <u>My CBI</u>	Date: <u>5-15-15</u>	Time: <u>1100</u>	
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis(Name(s) / iATL): _____	Date: _____	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: _____

SECTION 5
**CREDENTIALS FOR CONSULTANT,
INSPECTOR, AND LABORATORY**

on the name.

License Type	Name	Name Type	License Number/ Rank	Status/Expires
Asbestos Business	<u>CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.</u>	Primary	ZA317 Asbsts Business	Current 11/30/2015
Address*:	License Location	9143 PHILIPS HIGHWAY JACKSONVILLE, FL 32256-7460		
	Main Address*:	4171 ESSEN LANE BATON ROUGE, LA 70809		
Asbestos Business	<u>DAVID WARNER MOSHER</u>	DBA	ZA317 Asbsts Business	Current 11/30/2015
Address*:	License Location	9143 PHILIPS HIGHWAY JACKSONVILLE, FL 32256-7460		
	Main Address*:	4171 ESSEN LANE BATON ROUGE, LA 70809		

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER	
EA0000078	

The ASBESTOS CONSULTANT - ENGINEER
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2016

MOSHER, DAVID WARNER
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
1233 FRUIT COVE DRIVE SOUTH
JACKSONVILLE FL 32259



ISSUED: 09/24/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1409240004713

Asbestos Consulting & Training Systems

40474.4963CERT/BIR

900 N.W. 5TH Avenue, Fort Lauderdale, Florida, 33311

(954) 524-7208

This is to Certify that
Thomas Gregory



X X X - X X - 4 5 3 5

1228 Winter Garden Vineyard Rd., Winter Garden, FL, 34787

has successfully completed an English

Asbestos Building Inspection Refresher

24-Oct-14 TO 24-Oct-14

Meets state requirements of FL 49-0001.020/CN-0006273 and UT (6.0 core).

NDAAC Provider #451

Trainer(s): Alberto A. Ania

Training Address: 2233 Park Avenue Suite 202, Orange Park, FL, 32067

Successful course completion based on exam score on: 10/24/14

This Certificate Expires:



24-Oct-15

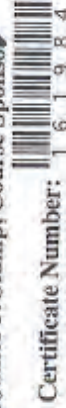
1 0 / 2 4 / 1 5



Processed By:

UNRECAL AND ORIGINAL FINALS OF LAW FOR MAKING OR SUBMISSION OF FALSE OR INACCURATE STATEMENTS OR MISREPRESENTATIONS (18 U.S.C. 1001 AND 15 U.S.C. 2053). I CERTIFY THAT I AM A TRAINING PROVIDER AND I AM NOT PROVIDING THIS COURSE TO ANY OTHER STATE OR JURISDICTION WITHOUT THE NECESSARY STATE OR LOCAL PERMITS AND LICENSES.

James F. Stump, Course Sponsor



Certificate Number: 161984

Course Number: JE1443



Center for Training, Research and Education for Environmental Occupations

certifies

Daniel Richard Roebke

CB&I, 512 Indian Oaks Rd. Winter Garden, FL 34787

has successfully met certificate requirements for the

Asbestos: Inspector

Approval: FBPR Asbestos Licensing Unit: Provider #0000995; Course #FL49-0002859 (3 Days; 21 Contact Hours)
(Accreditation for Inspector Under TSCA Title II/AHERA)

Conducted

06/09/2014 to 06/11/2014

Certificate #: 140627-4599

CEUs: 2.1

EPA accreditation expires: 06/11/2015

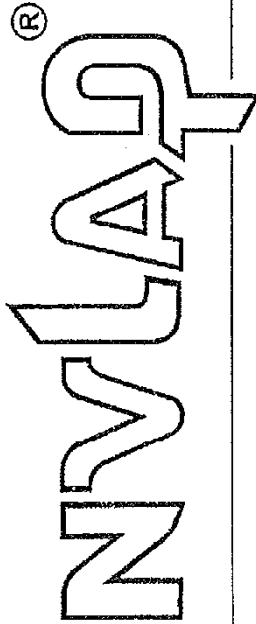
Principal Instructor: Russell Stauffer, PE

FBPE PDHs: 0009087/Educational Institutions: 21.0

Carol Hinton, Associate Director

University of Florida TREEO Center • 3900 SW 63 Boulevard • Gainesville, FL 32608-3800 • 352-392-9570 • www.treeco.ufl.edu

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101151-0

EMSL Analytical, Inc.
Orlando, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2014-07-01 through 2015-06-30
Effective dates



A handwritten signature in black ink, appearing to read "R. M. L. D.", is written over a horizontal line.

For the National Institute of Standards and Technology



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
5125 Adanson Street, Suite 900
Orlando, FL 32804
Dr. Bianca Cortes
Phone: 407-599-5887 Fax: 407-599-9063
E-Mail: bcortes@emsl.com
URL: <http://www.emsl.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101151-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020; Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116; Method for the Determination of Asbestos in Bulk Building Materials

2014-07-01 through 2015-06-30

Effective dates

Page 1 of 1

A handwritten signature in black ink, appearing to read "Michael R. Muel".

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101165-0

International Asbestos Testing Laboratories

Mt. Laurel, NJ

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2014-07-01 through 2015-06-30

Effective dates



A handwritten signature in black ink, appearing to read 'Michael R. Miller'.

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

International Asbestos Testing Laboratories

9000 Commerce Parkway

Suite B

Mt. Laurel, NJ 08054

Mr. Frank E. Ehrenfeld, III

Phone: 856-231-9449 Fax: 856-231-9818

E-Mail: frankehrenfeld@iatl.com

URL: <http://www.iatl.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101165-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2014-07-01 through 2015-06-30

Effective dates

For the National Institute of Standards and Technology

SECTION 6

ASBESTOS OPERATIONS AND MAINTENANCE (O&M) PLAN AND RESPONSE ACTION

**O&M PLAN AND RESPONSE ACTION
FOR
BRIDGE 170022 (LITTLE RINGLING BRIDGE, WESTBOUND)
SR 789 OVER THE COON KEY WATERWAY
SARASOTA, SARASOTA COUNTY, FLORIDA
DURING CONSTRUCTION ACTIVITIES**

Any regulated asbestos-containing material (RACM) must be abated in accordance with 40 CFR, Subpart M, Part 61.145, as stated in abatement specifications required by Chapter 255, FS and OSHA Standard 1926.58 for the construction industry, prior to demolition or renovation. RACM is identified as follows:

- Friable ACM
- Category I nonfriable ACM that has become friable
- Category I nonfriable ACM that will be or has been subject to sanding, grinding, cutting, or abrading
- Category II nonfriable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on such material

No regulated asbestos-containing materials were found at Bridge 170022 located on SR 789 over the Coon Key Waterway within the materials tested. Renovation or demolition can proceed without any asbestos containment engineering controls, and no O&M or response actions are required. However, the use of wet demolition methods is recommended.

End of Work Plan

DISCLAIMER

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

This report is the result of a limited investigation of the referenced bridge, and every attempt has been made to discover and inventory all asbestos-containing building materials (ACBM) in the structure. However, due to the limited and nondestructive nature of the inspection, it is possible that other concealed and inaccessible suspect materials may exist. Should any additional suspect ACMs be uncovered during renovation or demolition that are not listed in this report, then those materials should be sampled and submitted for analysis.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

SECTION 8

METALS-BASED PAINT SURVEY REPORT

Facility Name: Bridge 170022 (Little Ringling Bridge, Westbound)
Along SR 789 over Coon Key Waterway

Address/Location: 1.4 miles west of US 41

City, County, State: Sarasota, Sarasota County, Florida

Owner Agency: Florida Department of Transportation, District 1

Date of Survey: May 13, 2015

Consultant: CB&I Environmental & Infrastructure, Inc.

Consultant Address: 1228 Winter Garden Vineland Road

City, State, Zip Code: Winter Garden, Florida 34787

Telephone Number: 407-287-3210



July 9, 2015

Shawn D. Flynn, P.G.
Contract Manager

METALS-BASED PAINT COATING SAMPLING REPORT

CB&I Environmental & Infrastructure, Inc., (CB&I) was retained by the Florida Department of Transportation (FDOT), District 1, to collect representative samples of the paint coating system from Bridge No. 170022, located on SR 789 (Westbound) over the Coon Key Waterway in Sarasota, Sarasota County, Florida.

Introduction

CB&I collected one sample of the paint coatings system from the bridge, in general accordance with the sampling procedures developed by the State Materials Office, Florida Method of Test for Sampling of Structural Steel Existing Coating Systems Designation 5-564. The samples were obtained by Thomas Gregory of CB&I on May 13, 2015, and were labeled, packaged, manifested, and transported to Xenco Laboratories in Tampa, Florida. Sample Pile Cover Composite was collected from a white paint located on the fiberglass pile jackets (**Figure 1** in **Section 8**). Photographic documentation is provided in **Attachment A, Section 8**. Paint samples were composites from four separate pile jackets along the bridge. These composite samples were laboratory analyzed for total heavy metals cadmium, chromium, lead, and the metal zinc by United States Environmental Protection Agency (EPA) Method 6010B and by the toxicity characteristic leaching procedure (TCLP) (EPA Method 6010C) for the same for metals. A copy of the laboratory analytical report is provided **Section 4**.

Sample Results

The following is a list of the paint samples collected for total metals analysis and the reported metals concentration.

		Sample ID: Pile Cover Composite
Metals	EPA Test Method	Concentration (mg/kg)
Cadmium	6010C	0.0645 U
Chromium	6010C	4.74
Lead	6010C	19.4
Zinc	6010C	330

mg/kg – milligrams per kilogram

U - Compound was analyzed for but not detected at the MDL level

The composite sample above was also laboratory analyzed by the Toxicity Characteristic Leachate Procedure (TCLP) to determine whether the painted surfaces would exceed the Environmental Protection Agency (EPA) leachability limits established in 40 CFR 261.24. Exceedance of the limits established under 40 CFR 261.24 would (upon removal) classify the material as hazardous.

		Sample ID: Pile Cover Composite	Hazardous Waste Regulatory Level per CFR 261-24 (mg/L)
Metals	EPA Test Method	Concentration (mg/L)	
Cadmium	6010C	0.0006 U	1
Chromium	6010C	0.0522 I	5
Lead	6010C	0.0862	5
Zinc	6010C	15.5	NS

mg/L – milligrams per liter

U - Compound was analyzed for but not detected at the MDL level

I – Reported value is between the laboratory MDL and the laboratory PQL

NS – No Standard

Recommendations for Personnel Health and Safety

Due to the presence of metals in the paint coating identified on the pile jackets, the contractor selected to perform the renovation or demolition of the bridge should be familiar with and comply with all parts of the Occupational Safety and Health Administration (OSHA) Construction Standard contained in 29 CFR 1926.

Since sample analysis indicates that the paint coatings present on the tested components contain metals above detectable levels, there is potential for exposure to workers. Contractors should perform renovation or demolition activities in such a way as to continue to ensure that workers on the project are not exposed to levels above the OSHA permissible exposure limits in accordance with 29 CFR Subpart Z, and to ensure that any regulated metals are not spread to uncontrolled areas.

Recommendations for Material/Waste Handling, Transportation, and Disposal

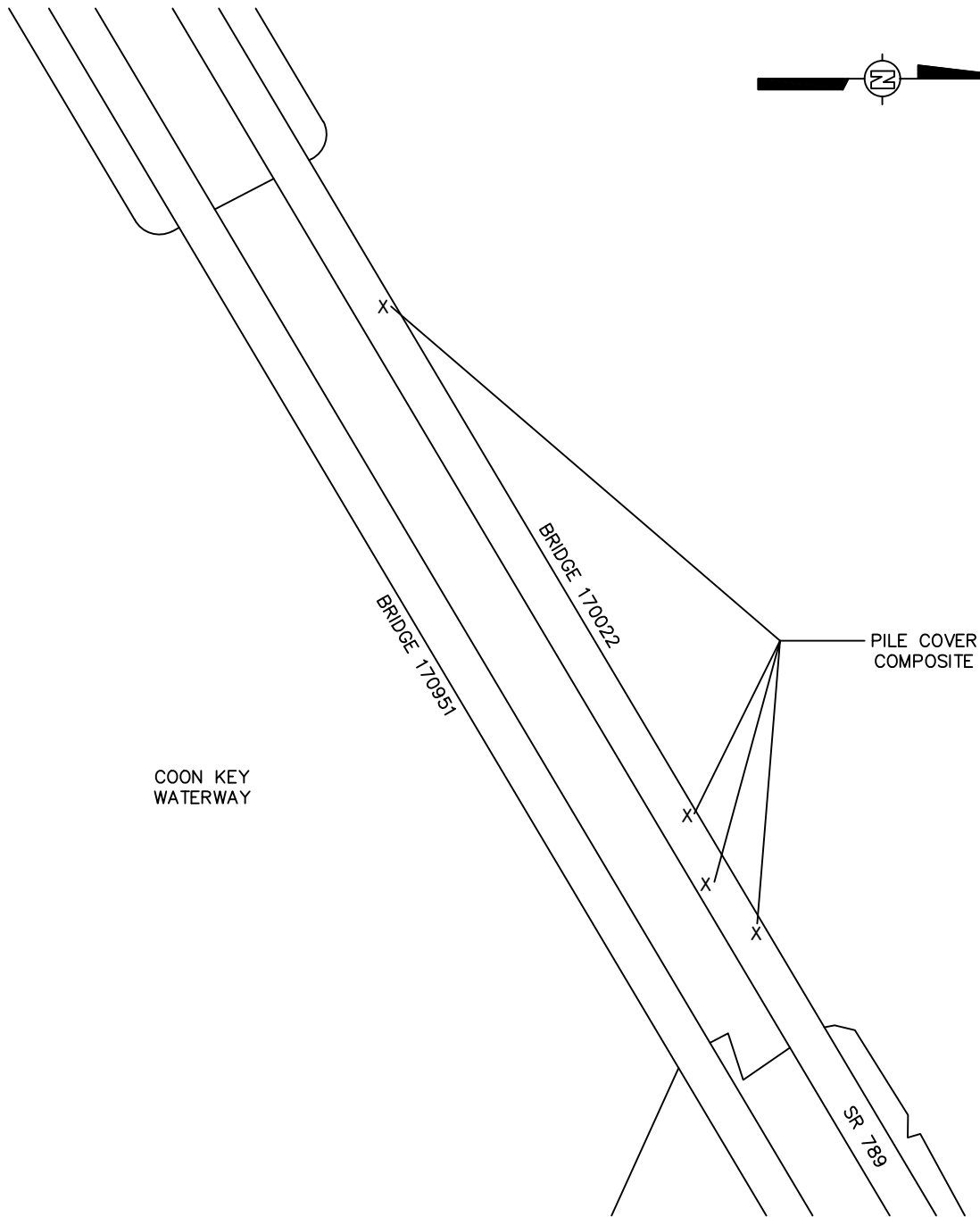
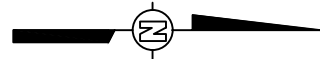
Based on the TCLP analytical results for the sampled areas, the paint waste generated from renovation or demolition of the metal span is not required to be handled as hazardous waste. However, any paint removed during construction will need to be re-analyzed as part of the waste profiling acceptance process prior to disposal.

During the removal and handling activities, the work area should be sufficiently protected from loose or falling paint chips and residue. All paint-related waste should be containerized in United States Department of Transportation (DOT) approved containers, labeled, and properly stored.

If blast media or chemicals are used during the paint removal operations, additional testing may be required. This could change the waste classification and disposal options.

In addition to the above requirements, all personnel who handle paint chips that have been removed from the metal span shall comply with all of the requirements in 40 CFR Parts 260 through 370. This includes, but is not limited to, waste handling, container labeling, transportation, and disposal.

FIGURE



NOTE:

LOCATIONS OF SAMPLE UNDER BRIDGE.
ALL SAMPLES COMPOSITED INTO ONE.

LEGEND:

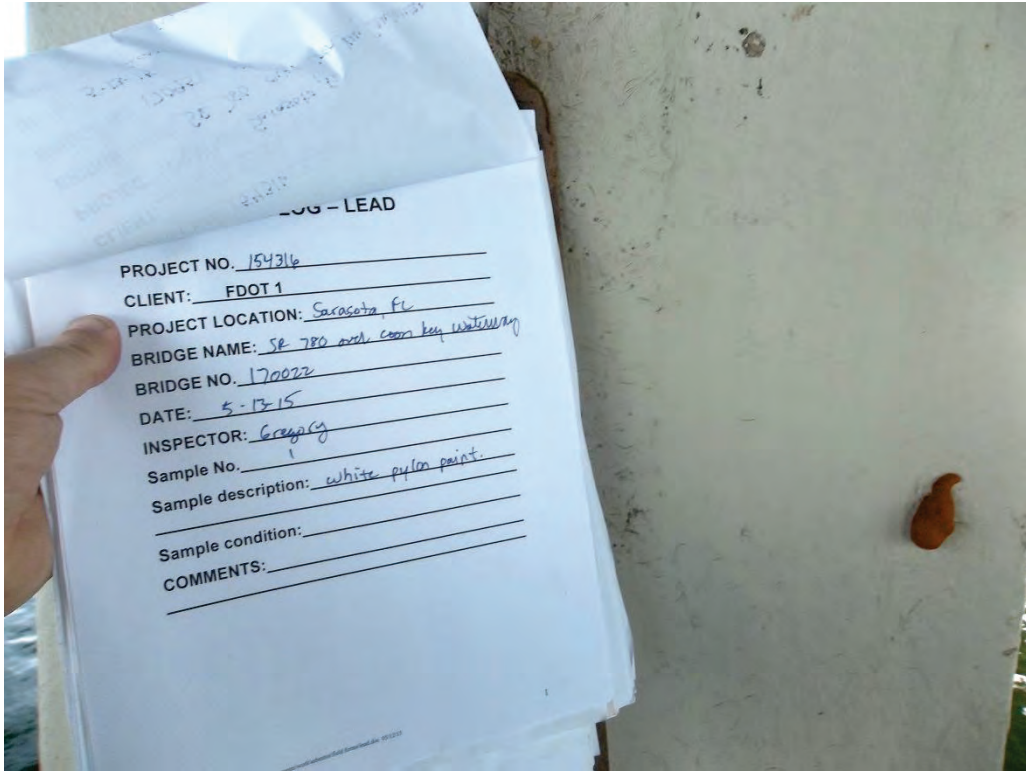
X PAINT SAMPLE LOCATION

CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
1228 WINTER GARDEN VINELAND ROAD
WINTER GARDEN, FLORIDA 34787
(407) 287-3200 OFFICE
(407) 287-3201 FAX

OFFICE: WINTER GARDEN	DATE: 6-10-15	ACAD FILE: 4316A6
PAINT SAMPLE LOCATION MAP MAY 13, 2015		
CLIENT: FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT I	PM: SF	
LOCATION: BRIDGE 170022, WESTBOUND SR 789 (LITTLE RINGLING BRIDGE) over COON KEY WATERWAY SARASOTA, SARASOTA COUNTY, FLORIDA FPID No. 436545-1-C2-32		
DESIGNED: TG	DRAWN: SDJF	PROJECT NO.: 154316
		FIGURE: 1

ATTACHMENT A
PHOTOGRAPHIC LOG

BRIDGE 170022
METALS-BASED PAINT SURVEY PHOTO LOG



**PHOTO 1 – 5/13/15 – VIEW OF PILE COVER COMPOSITE PAINT SAMPLE
LOCATED ON PILE JACKETS OVER CONCRETE SUPPORT PILES**



PHOTO 2 – 5/12/15 – VIEW OF SUPPORT PILES WITH PILE JACKETS

ATTACHMENT B

**LABORATORY ANALYTICAL REPORT AND
CHAIN OF CUSTODY RECORD**

DISCLAIMER

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

Asbestos Survey and Metals-Based Paint Coatings Sampling Report

Bridge Number 170951 (Eastbound) SR 789 (Little Ringling Bridge) over Coon Key Waterway Sarasota, Sarasota County, Florida

Prepared for:
Florida Department of Transportation
District 1
801 North Broadway Avenue
Bartow, Florida 33830

Prepared by:
CB&I Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Road
Winter Garden, Florida 34787

**FDOT Contract BDV75
FDOT FPID 436545-1-C2-32, LOA 47
CB&I Project 154316
July 2015**

ASBESTOS SURVEY TITLE SHEET

Facility Name: Bridge 170951

SR 789 (Little Ringling Bridge) Over Coon Key Waterway

Address/Location: 1.4 miles West of US 41

City, County, State: Sarasota, Sarasota County, Florida

Owner Agency: Florida Department of Transportation, District 1

Date of Survey: May 12 and 13, 2015

Consultant: CB&I Environmental & Infrastructure, Inc.

Consultant Address: 1228 Winter Garden Vineland Road

City, State, Zip Code: Winter Garden, Florida 34787

Telephone Number: 407-287-3210 (Shawn Flynn, PG; Contract Manager)



July 9, 2015

David W. Mosher, PE, LAC
Licensed Asbestos Consultant, EA-0000078

TABLE OF CONTENTS

ACRONYMS AND ABBREVIATIONS

SECTION 1	SURVEY SUMMARY FORMS SURVEY OVERVIEW ASBESTOS SURVEY REPORT – FORM 1 ASBESTOS SURVEY AND ASSESSMENT – FORM 2 PERSONNEL SUMMARY – FORM 3
SECTION 2	BRIDGE DIAGRAM(S)
SECTION 3	PHOTOGRAPHS
SECTION 4	LABORATORY ANALYTICAL DATA AND CHAIN OF CUSTODY FORM(S)
SECTION 5	CREDENTIALS FOR CONSULTANT, INSPECTOR, AND LABORATORY
SECTION 6	ASBESTOS OPERATIONS AND MAINTENANCE (O&M) PLAN AND RESPONSE ACTION
SECTION 7	DISCLAIMER

METALS-BASED PAINT COATINGS SAMPLING REPORT

SECTION 8	INTRODUCTION SAMPLE RESULTS RECOMMENDATIONS FOR PERSONNEL HEALTH AND SAFETY RECOMMENDATIONS FOR MATERIAL/WASTE HANDLING, TRANSPORTATION, AND DISPOSAL
FIGURES	PAINT COATING SAMPLE LOCATION MAP
ATTACHMENT A	PHOTOGRAPHS
ATTACHMENT B	LABORATORY ANALYTICAL DATA AND CHAIN OF CUSTODY FORMS

ACRONYMS AND ABBREVIATIONS

Surfacing Materials

- SAS – acoustical/sprayed surfacing material
- SAT – acoustical/troweled surfacing material
- SFP – fireproofing/structural

Thermal Materials

- TPI – pipe insulation
- TPC – pipe cover
- TPE – pipe elbow/joint
- TPM – pipe mastic

Miscellaneous Materials

- MAS – mastic/adhesive
- MBB – vinyl baseboard
- MBP – bearing pad
- MCA – carpet adhesive
- MCC – concrete
- MCK – caulk/sealant
- MCM – cementitious material/patch
- MCT – ceiling tile
- MDI – duct insulation
- MDM – duct mastic
- MEJ – expansion joint
- MFD – fire door
- MFT – floor tile
- MGS – gasket
- MJC – joint compound
- MMB – moisture barrier (felt)
- MPC – “popcorn” textured ceiling finish
- MPL – plaster
- MRM – reflector mastic
- MRP – railing pads
- MSI – sink insulation
- MST – stucco
- MSV – sheet vinyl/flooring
- MTC – cementitious/Transite-type conduit/pipe
- MTP – cementitious/Transite-type panel
- MVD – vibration damper
- MVP – vibration pads
- MWB – wallboard
- MWG – window glazing
- MWP – wallpaper/covering

Roofing Materials

- RBV – built-up roofing
- RAS – asphalt shingle
- RFT – tarpaper and felt
- RRM – rolled membrane
- RFM – flashing mastic
- RTP – Transite-type panel/shingle

SECTION 1
SURVEY SUMMARY FORMS

ASBESTOS SURVEY OVERVIEW

As part of transportation improvement activities, the Florida Department of Transportation (FDOT), District 1, will be performing renovations to Bridge Number 170951 (or Little Ringling Bridge), eastbound along SR 789 over the Coon Key Waterway in Sarasota, Sarasota County, Florida, and has requested that an asbestos survey be performed to determine the presence, if any, of asbestos-containing materials (ACM). CB&I Environmental & Infrastructure Inc. (CB&I) has provided a map (**Figure 1**) illustrating the location of the subject bridge. Sampling locations are provided on **Figure 2**. Provided on **FORM 1** is detailed information regarding the bridge and the asbestos survey.

In addition to the asbestos survey, the FDOT requested sampling of the bridge paint coatings with laboratory analysis for heavy metals. The metals-based paint coatings survey was performed on May 13, 2015, and the results have been incorporated in this submittal (**Section 8**) immediately following the asbestos survey.

Survey activities described below were performed in accordance with the Asbestos Hazard Emergency Response Act (AHERA) sampling protocol and comply with the National Emission Standards for Hazardous Air Pollutants (NESHAP).

The FDOT provided CB&I with the following information:

- Bridge Plans, dated 1955
- Bridge Rehabilitation Final Plans, prepared by the FDOT, dated 1986
- Bridge Rehabilitation Final Plans, prepared by the FDOT, dated 1993
- Bridge Repair Plans (60% Submittal), prepared by T.Y. Lin International, dated February 10, 2015

Thomas Gregory and Daniel Roebke of CB&I performed the asbestos survey on May 12 and 13, 2015, to determine the location, extent, and condition of suspect ACM.

During the asbestos survey, random samples of the following materials were collected to determine asbestos content: concrete, mortar, asphalt paper, caulking, mastic, Class 5 coating, fiberglass, and sealant (**FORM 2**). No suspect drains were identified on the bridge structure.

Under the AHERA definitions and sampling protocol, 22 homogenous areas (HA) were identified during this survey as miscellaneous materials (see **FORM 2**). A homogeneous area is an application of surfacing material, thermal system insulation material, or miscellaneous materials that is uniform in color, texture, and vintage of application. Miscellaneous material is defined by the United States Environmental Protection Agency (US EPA) as interior building

material on structural components, structural members, or fixtures (such as floor tiles, adhesives, and mastics) and does not include surfacing material or thermal system insulation (40 CFR Part 763.83).

Also, during the survey, the quantification and extent of each HA was estimated and the friability of the material was determined. A material is considered friable that, when dry, can be crumbled, pulverized, or reduced to a powder by hand pressure as defined by the US EPA. At a minimum, three samples of each HA were collected for analysis, as recommended by the US EPA (*100 Commonly Asked Questions About the New AHERA Asbestos-in-Schools Rule*, US EPA, May 1988) and required by CB&I protocol. Three additional samples were collected randomly for quality assurance/quality control (QA/QC) purposes. The total number of samples collected from this bridge was 70 (66 from 22 HAs and 4 QA/QC). Provided on **FORM 3** is a list of survey team (personnel and laboratories) and their appropriate license or certificate numbers.

Samples of suspect materials were submitted for asbestos analysis to an independent laboratory certified by the National Voluntary Laboratory Accreditation Program (NVLAP). Additionally, as per FDOT requirements, QA/QC samples were collected and submitted for analysis to a second NVLAP-certified laboratory. All samples were analyzed for asbestos of bulk materials by EPA Method 600/R-93/116 using Polarized Light Microscopy.

Laboratory analysis of the collected suspect samples indicated that the sampled materials did not contain asbestos. Renovation or demolition can proceed without any engineering controls. However, the use of wet demolition methods is recommended during renovation or demolition of these sampled materials.

Estimates related to the cost of abatement (including disposal) and on-site air monitoring are provided on **FORM 2** for each HA that contains asbestos. These estimates are based on our previous experience for similar abatement projects in similar locations and do not include the costs for replacement materials or labor following the abatement work. However, because no asbestos was identified, no abatement costs are noted.

ASBESTOS SURVEY REPORT – FORM 1

BRIDGE IDENTIFICATION

County: Sarasota
Agency: Florida Department of Transportation District 1
Bridge Names: Little Ringling Bridge (Eastbound) over Coon Key Waterway
Bridge Numbers: 170951
Address and/or Geographic Location: Along SR 789, 1.4 Miles West of US 41
Asbestos Contact Person: Jeffrey W. James Telephone Number: 863-519-2625
FDOT Contact: Jeffrey James Telephone Number: 863-519-2625

SURVEY IDENTIFICATION

Date of Survey: May 12 and 13, 2015 Date of Report: July 9, 2015
Contract No.: BDV75
FM No.: 436545-1-C2-32
Consultant's Name: David W. Mosher, PE, LAC License No.: EA-0000078
Name of Firm: CB&I Environmental & Infrastructure, Inc.
Address: 1228 Winter Garden Vineland Road, Winter Garden, Florida 34787
Telephone Number: 407-287-3210 (Shawn Flynn, PG, Contract Manager)

BRIDGE INFORMATION

Year of Construction: 1958
Renovation Dates: Unknown
Bridge Documents/Drawings Available/Consulted:
Types: Plans [X]Yes []No Location Several pages from 1955, 1986, 1993 and 2015 bridge plan set
Specifications []Yes [X]No Location
Other []Yes [X]No Location
Asbestos Documents []Yes [X]No Location
[X]Yes []No Location uglybridges.com
[]Yes []No Location

STRUCTURAL DATA

Vertical Support: Prestressed concrete piles Horizontal: Prestressed concrete
Decking: Concrete, Cast-In-Place
Span: 21 Spans, Longest 47.9', Total Length 1,010.2' Gaskets: NA
Bearing Pads: Noted as "Bearing Plates" Railings: Concrete

If applicable:

Roof: NA
Floors: NA Ceilings: NA
Exterior Walls: NA Partition Walls: NA
HVAC System: []Yes [X]No Type: NA

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170951 (Little Ringling Bridge, Eastbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost
1.1	CONCRETE	1	BENT COLUMNS	5600 CF	N	NAD	0	0	0
1.2	CONCRETE	1	BENT COLUMNS	5600 CF	N	NAD	0	0	0
1.3	CONCRETE	1	BENT COLUMNS	5600 CF	N	NAD	0	0	0
2.1	CONCRETE	2	BENT CAPS	4662 CF	N	NAD	0	0	0
2.2	CONCRETE	2	BENT CAPS	4662 CF	N	NAD	0	0	0
2.3	CONCRETE	2	BENT CAPS	4662 CF	N	NAD	0	0	0
3.1	CONCRETE	3	SEA WALL	1540 CF	N	NAD	0	0	0
3.2	CONCRETE	3	SEA WALL	1540 CF	N	NAD	0	0	0
3.3	CONCRETE	3	SEA WALL	1540 CF	N	NAD	0	0	0
4.1	CONCRETE	4	ABUTMENT WALL	1036 CF	N	NAD	0	0	0
4.2	CONCRETE	4	ABUTMENT WALL	1036 CF	N	NAD	0	0	0
4.3	CONCRETE	4	ABUTMENT WALL	1036 CF	N	NAD	0	0	0
5.1	MORTAR	5	ABUTMENT WALL	11520 CF	N	NAD	0	0	0
5.2	MORTAR	5	ABUTMENT WALL	11520 CF	N	NAD	0	0	0
5.3	MORTAR	5	ABUTMENT WALL	11520 CF	N	NAD	0	0	0
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite 1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				TOTAL					

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170951 (Little Ringling Bridge, Eastbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost		
6.1	CONCRETE	6	END BENT	1230 CF	N	NAD	0	0	0		
6.2	CONCRETE	6	END BENT	1230 CF	N	NAD	0	0	0		
6.3	CONCRETE	6	END BENT	1230 CF	N	NAD	0	0	0		
6.4 QA/QC	CONCRETE	6	END BENT	1230 CF	N	NAD	0	0	0		
7.1	CONCRETE	7	DIAPHRAM	2220 CF	N	NAD	0	0	0		
7.2	CONCRETE	7	DIAPHRAM	2220 CF	N	NAD	0	0	0		
7.3	CONCRETE	7	DIAPHRAM	2220 CF	N	NAD	0	0	0		
8.1	ASPHALT IMPREGNATED PAPER	8	SUBGIRDER BEARING PAD	400 SF	N	NAD	0	0	0		
8.2	ASPHALT IMPREGNATED PAPER	8	SUBGIRDER BEARING PAD	400 SF	N	NAD	0	0	0		
8.3	ASPHALT IMPREGNATED PAPER	8	SUBGIRDER BEARING PAD	400 SF	N	NAD	0	0	0		
9.1	CONCRETE	9	GIRDERS	22725 CF	N	NAD	0	0	0		
9.2	CONCRETE	9	GIRDERS	22725 CF	N	NAD	0	0	0		
9.3	CONCRETE	9	GIRDERS	22725 CF	N	NAD	0	0	0		
10.1	MORTAR	10	GIRDERS	10100 SF	N	NAD	0	0	0		
10.2	MORTAR	10	GIRDERS	10100 SF	N	NAD	0	0	0		
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite							Subtotals for this page		0	0	0
1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.							Consultant Fees				
							O & M Costs				
							TOTAL				

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170951 (Little Ringling Bridge, Eastbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friabl e Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost		
10.3	MORTAR	10	GIRDER	10100 SF	N	NAD	0	0	0		
11.1	ASPHALT IMPREGNATED PAPER	11	SUBDECK BEARING PADS	5050 SF	N	NAD	0	0	0		
11.2	ASPHALT IMPREGNATED PAPER	11	SUBDECK BEARING PADS	5050 SF	N	NAD	0	0	0		
11.3	ASPHALT IMPREGNATED PAPER	11	SUBDECK BEARING PADS	5050 SF	N	NAD	0	0	0		
12.1	BLACK RUBBER CAULKING	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
12.2	BLACK RUBBER CAULKING	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
12.3	BLACK RUBBER CAULKING	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
12.4 QA/QC	BLACK RUBBER CAULKING	12	EXPANSION JOINTS	814 LF	N	NAD	0	0	0		
13.1	CONCRETE	13	RAILING – RAIL	2273 CF	N	NAD	0	0	0		
13.2	CONCRETE	13	RAILING – RAIL	2273 CF	N	NAD	0	0	0		
13.3	CONCRETE	13	RAILING – RAIL	2273 CF	N	NAD	0	0	0		
14.1	CONCRETE	14	END CAP	144 CF	N	NAD	0	0	0		
14.2	CONCRETE	14	END CAP	144 CF	N	NAD	0	0	0		
14.3	CONCRETE	14	END CAP	144 CF	N	NAD	0	0	0		
15.1	CONCRETE	15	CURB	1616 CF	N	NAD	0	0	0		
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite							Subtotals for this page		0	0	0
							Consultant Fees				
							O & M Costs				
							TOTAL				
1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.											

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170951 (Little Ringling Bridge, Eastbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost
15.2	CONCRETE	15	CURB	1616 CF	N	NAD	0	0	0
15.3	CONCRETE	15	CURB	1616 CF	N	NAD	0	0	0
16.1	CONCRETE	16	DECK	37370 CF	N	NAD	0	0	0
16.2	CONCRETE	16	DECK	37370 CF	N	NAD	0	0	0
16.3	CONCRETE	16	DECK	37370 CF	N	NAD	0	0	0
17.1	CONCRETE	17	RAILING – POST	13635 CF	N	NAD	0	0	0
17.2	CONCRETE	17	RAILING – POST	13635 CF	N	NAD	0	0	0
17.3	CONCRETE	17	RAILING – POST	13635 CF	N	NAD	0	0	0
18.1	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
18.2	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
18.3	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
18.4 QA/QC	MORTAR	18	DECK	681 SF	N	NAD	0	0	0
19.1	BLACK ADHESIVE MASTIC	19	DECK REFLECTORS	70 SF	N	NAD	0	0	0
19.2	BLACK ADHESIVE MASTIC	19	DECK REFLECTORS	70 SF	N	NAD	0	0	0
19.3	BLACK ADHESIVE MASTIC	19	DECK REFLECTORS	70 SF	N	NAD	0	0	0
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite 1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				TOTAL					

ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Names: 170951 (Little Ringling Bridge, Eastbound) – SR 789 over Coon Key Waterway Contract No.: BDV75
 Date of Survey: May 12 and 13, 2015 Agency: Florida Department of Transportation, District 1
 Consultant: CB&I Environmental & Infrastructure, Inc. FDOT Contact Person: Jeffrey W. James

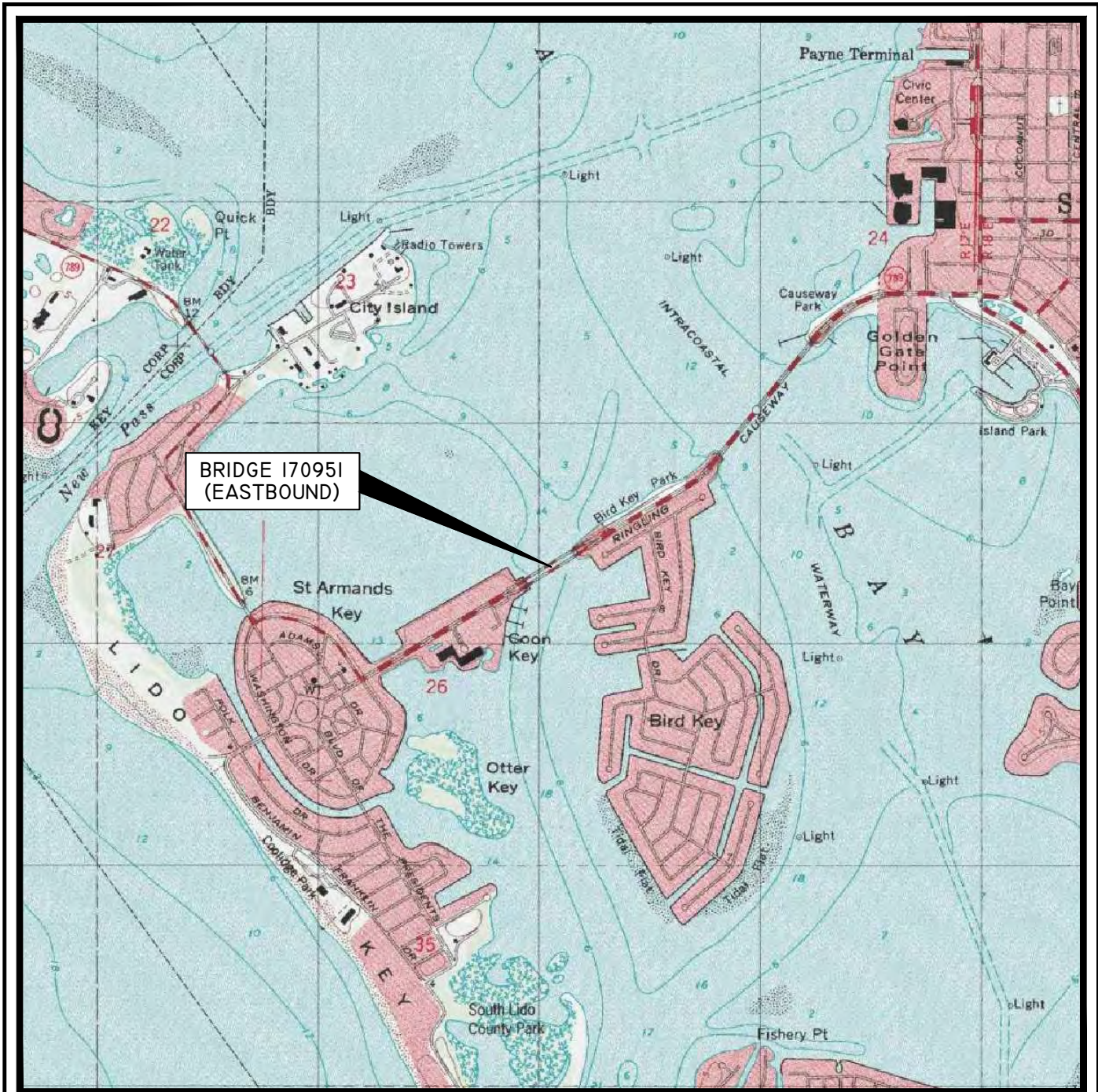
Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Monitoring Cost	Replace Cost		
20.1	CLASS 5 COATING	20	RAILINGS	250 SF	N	NAD	0	0	0		
20.2	CLASS 5 COATING	20	RAILINGS	250 SF	N	NAD	0	0	0		
20.3	CLASS 5 COATING	20	RAILINGS	250 SF	N	NAD	0	0	0		
21.1	FIBERGLASS	21	PILE JACKETS	3200 SF	N	NAD	0	0	0		
21.2	FIBERGLASS	21	PILE JACKETS	3200 SF	N	NAD	0	0	0		
21.3	FIBERGLASS	21	PILE JACKETS	3200 SF	N	NAD	0	0	0		
21.4 QA/QC	FIBERGLASS	21	PILE JACKETS	3200 SF	N	NAD	0	0	0		
22.1	SEALANT (WITHIN THE SPACE BETWEEN PILE AND PILE JACKET)	22	PILE JACKETS	1600 SF	N	NAD	0	0	0		
22.2	SEALANT (WITHIN THE SPACE BETWEEN PILE AND PILE JACKET)	22	PILE JACKETS	1600 SF	N	NAD	0	0	0		
22.3	SEALANT (WITHIN THE SPACE BETWEEN PILE AND PILE JACKET)	22	PILE JACKETS	1600 SF	N	NAD	0	0	0		
<p>COMMENTS/NOTES:</p> <p>Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet</p> <p>CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1%</p> <p>chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite</p> <p>1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.</p>							Subtotals for this page		0	0	0
							Consultant Fees				
							O & M Costs				
							TOTAL				

**ASBESTOS SURVEY REPORT – FORM 3
PERSONNEL SUMMARY**

Facility/Bridge Name: SR 789 (Little Ringling Bridge) over Coon Key Waterway
Bridge No.: 170951
Date of Survey: May 12 and 13, 2015

Name and Address	Task Performed	License or Certificate
David W. Mosher, PE, LAC	Asbestos Consultant	EA-0000078
CB&I Environmental & Infrastructure, Inc. 9143 Philips Highway, Suite 400 Jacksonville, FL 32256	Asbestos Business	ZA-317
Thomas Gregory CB&I Environmental & Infrastructure, Inc. 1228 Winter Garden Vineland Road Winter Garden, Florida 34787	Asbestos Inspector	161984
Daniel Roebke CB&I Environmental & Infrastructure, Inc. 1228 Winter Garden Vineland Road Winter Garden, Florida 34787	Asbestos Inspector	140627-4599
EMSL Analytical, Inc. (EMSL) 5125 Adanson Street, Suite 900 Orlando, FL 32804	Bulk Analysis	NVLP No. 101151-0
International Asbestos Testing Laboratory (IATL) 9000 Commerce Parkway, Suite B Mt. Laurel, New Jersey 08054	Quality Assurance	NVLAP No. 101165-0

SECTION 2
BRIDGE DIAGRAM(S)



BRIDGE 170951
(EASTBOUND)



REFERENCE:

7.5 MINUTE U.S.G.S. TOPOGRAPHIC
QUADRANGLE MAP, SARASOTA,
FLORIDA, DATED 1999.

CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
1228 WINTER GARDEN VINELAND ROAD
WINTER GARDEN, FLORIDA 34787
(407) 287-3200 OFFICE
(407) 287-3201 FAX

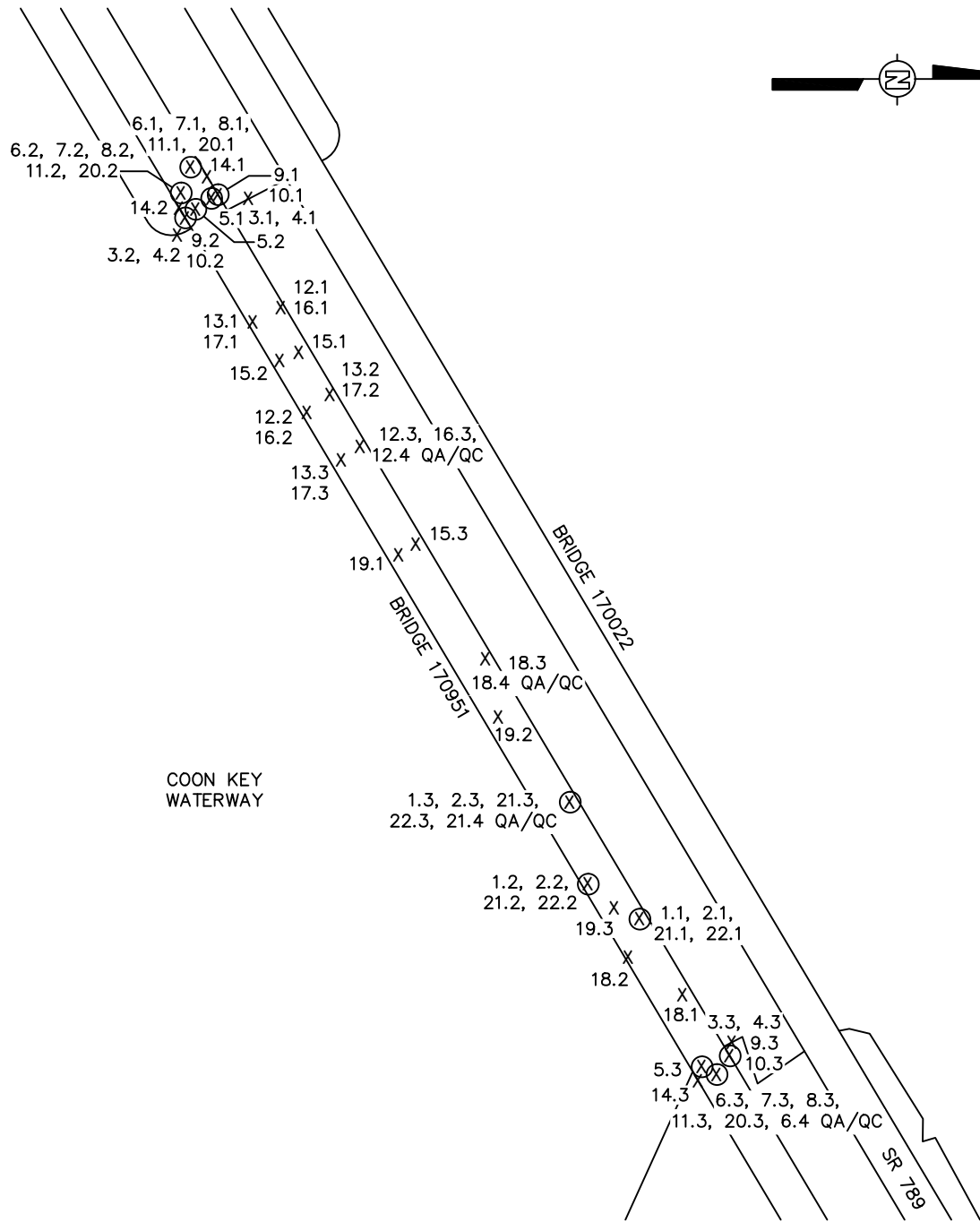
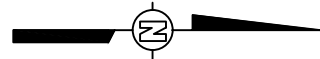
OFFICE: WINTER GARDEN	DATE: 6-10-15	ACAD FILE: 4316A1
--------------------------	------------------	----------------------

SITE LOCATION MAP

CLIENT:	FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT I	PM: SF
---------	--	-----------

LOCATION:	BRIDGE 170951, EASTBOUND SR 789 (LITTLE RINGLING BRIDGE) over COON KEY WATERWAY SARASOTA, SARASOTA COUNTY, FLORIDA FPID No. 436545-1-C2-32
-----------	--

DESIGNED: SF	DRAWN: SDJF	PROJECT NO.: 154316	FIGURE: 1
-----------------	----------------	------------------------	--------------



LEGEND:

- x SAMPLING LOCATION FROM TOP OF BRIDGE
- ⊗ SAMPLING LOCATION FROM UNDERNEATH BRIDGE
- QA/QC QUALITY ASSURANCE/QUALITY CONTROL SAMPLING LOCATION

CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
 1228 WINTER GARDEN VINELAND ROAD
 WINTER GARDEN, FLORIDA 34787
 (407) 287-3200 OFFICE
 (407) 287-3201 FAX

OFFICE: WINTER GARDEN	DATE: 6-30-15	ACAD FILE: 4316A3
ASBESTOS SAMPLE LOCATION MAP MAY 12 AND 13, 2015		
CLIENT: FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT I	PM: SF	
LOCATION: BRIDGE 170951, EASTBOUND SR 789 (LITTLE RINGLING BRIDGE) over COON KEY WATERWAY SARASOTA, SARASOTA COUNTY, FLORIDA FPID No. 436545-1-C2-32		
DESIGNED: TG	DRAWN: SDJF	PROJECT NO.: 154316
		FIGURE: 2

SECTION 3
PHOTOGRAPHS

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG



PHOTO 1 – 5/12/15
BRIDGE NO. 170951 – SR 789 OVER COON KEY WATERWAY – VIEW TOWARDS SOUTHEAST
SARASOTA, SARASOTA COUNTY, FL



PHOTO 2 – 5/12/15
BRIDGE NO. 170951 – SR 789 OVER COON KEY WATERWAY – VIEW TOWARDS NORTHEAST
SARASOTA, SARASOTA COUNTY, FL

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG



PHOTO 3 – 5/12/15
BRIDGE NO. 170951 – SR 789 OVER COON KEY WATERWAY – VIEW TOWARDS NORTHEAST
SARASOTA, SARASOTA COUNTY, FL

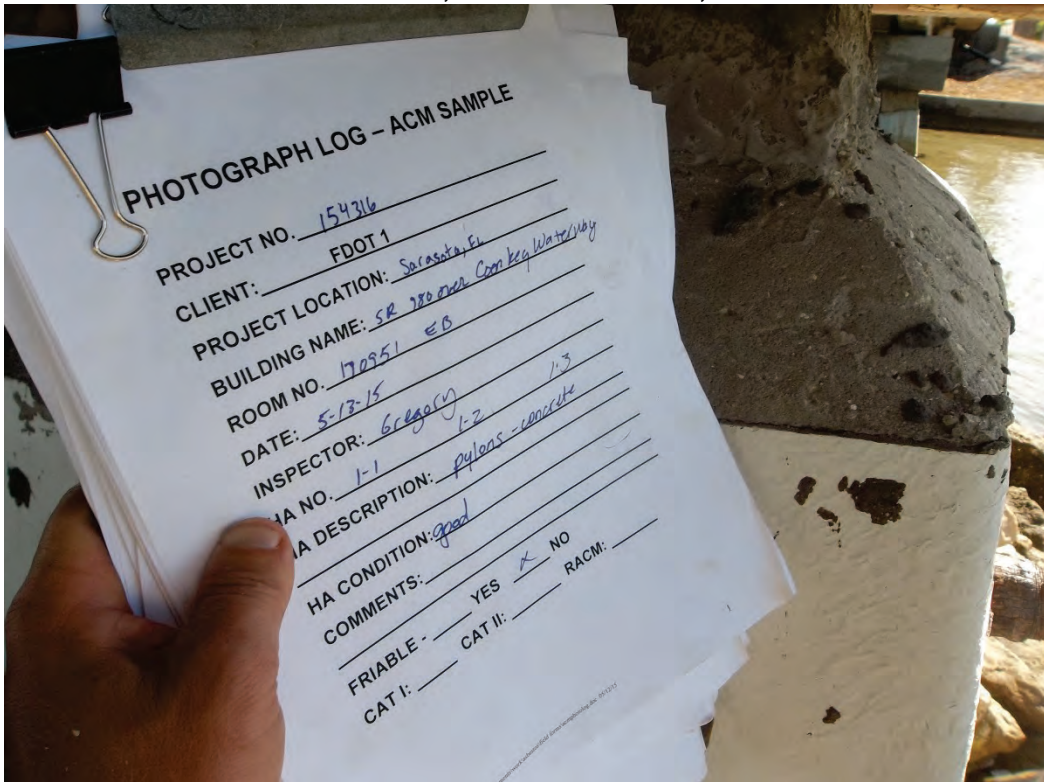


PHOTO 4 – 5/13/15 – SAMPLE 1.1 – HA 1
CONCRETE
BENT COLUMNS

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Com Key Waterway

ROOM NO. 170951 EB

DATE: 5-13-15

INSPECTOR: Gregory

HA NO. 1* 1.2 1.3

HA DESCRIPTION: pylons - concrete

HA CONDITION: good

COMMENTS:

FRIABLE - YES NO

CAT I: CAT II: RACM:

**PHOTO 5 - 5/13/15 - SAMPLE 1.2 - HA 1
CONCRETE
BENT COLUMNS**

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Com Key Waterway

ROOM NO. 170951 EB

DATE: 5-13-15

INSPECTOR: Gregory

HA NO. 1* 1.2 1.3

HA DESCRIPTION: pylons - concrete

HA CONDITION: good

COMMENTS:

FRIABLE - YES NO

CAT I: CAT II: RACM:

**PHOTO 6 - 5/13/15 - SAMPLE 1.3 - HA 1
CONCRETE
BENT COLUMNS**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170951 EA

DATE: 5-13-15

INSPECTOR: Gregory

HA NO. 2-1 2-2 2-3

HA DESCRIPTION: Cross beams - concrete

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 7 – 5/13/15 – SAMPLE 2.1 – HA 2
CONCRETE
BENT CAPS

ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170951 EA

DATE: 5-13-15

INSPECTOR: Gregory

HA NO. 2-1 2-2 2-3

HA DESCRIPTION: Cross beams - concrete

HA CONDITION: good

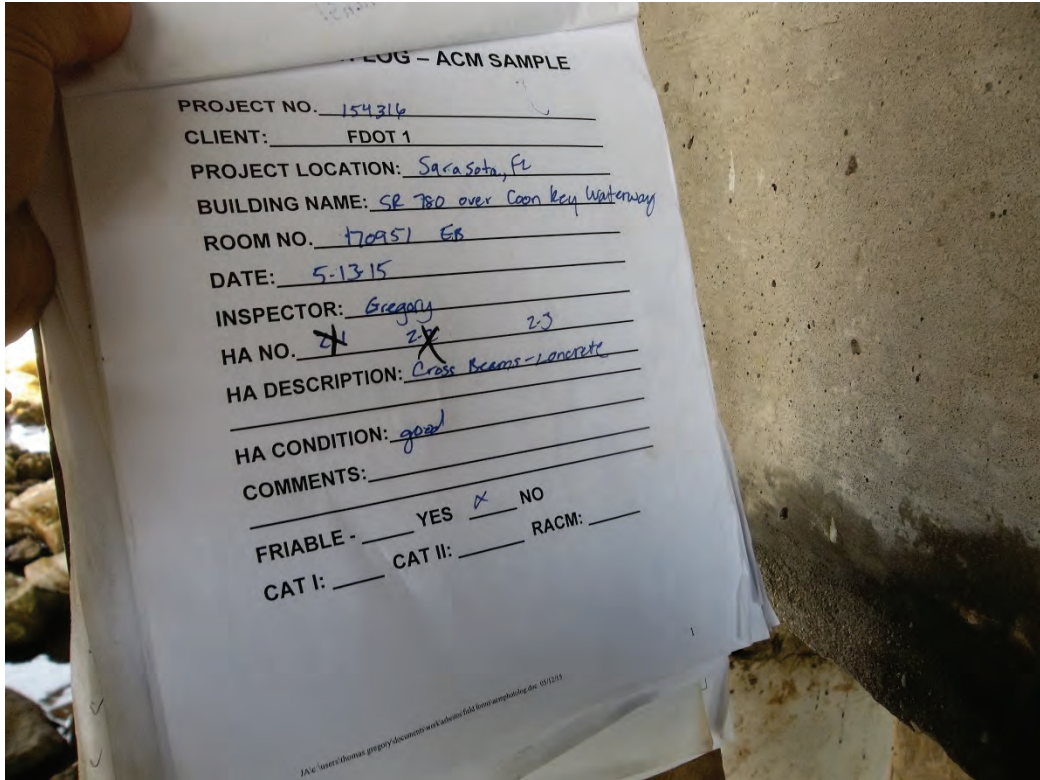
COMMENTS: _____

FRIABLE - YES NO

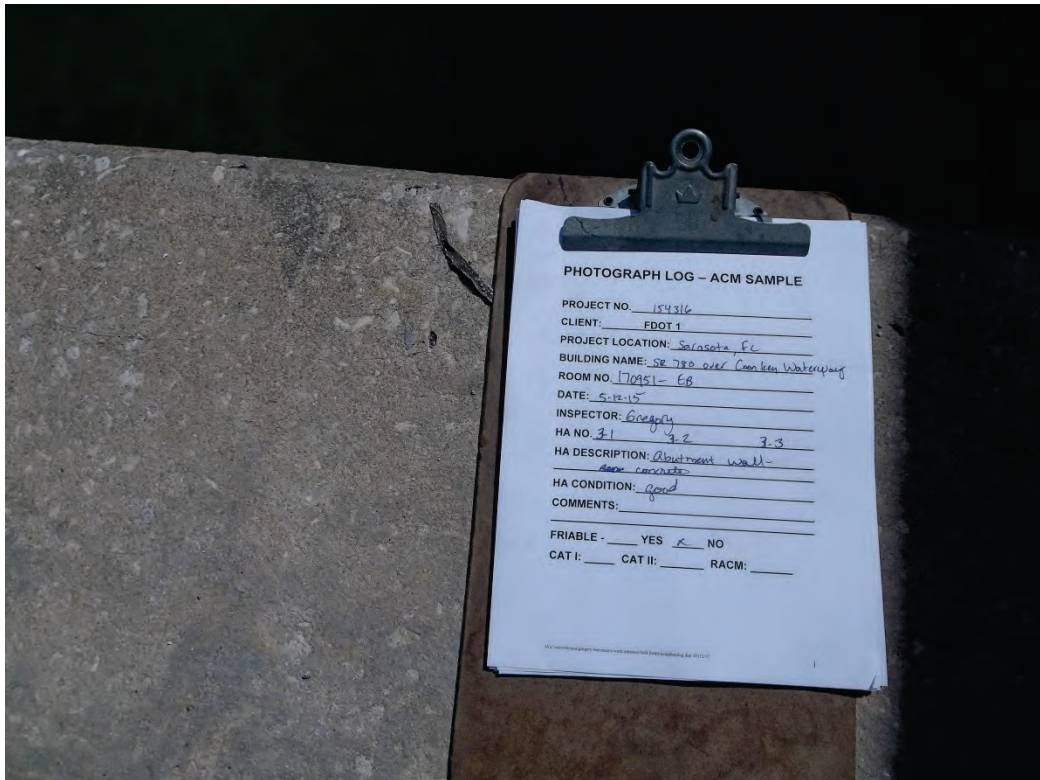
CAT I: _____ CAT II: _____ RACM: _____

PHOTO 8 – 5/13/15 – SAMPLE 2.2 – HA 2
CONCRETE
BENT CAPS

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**

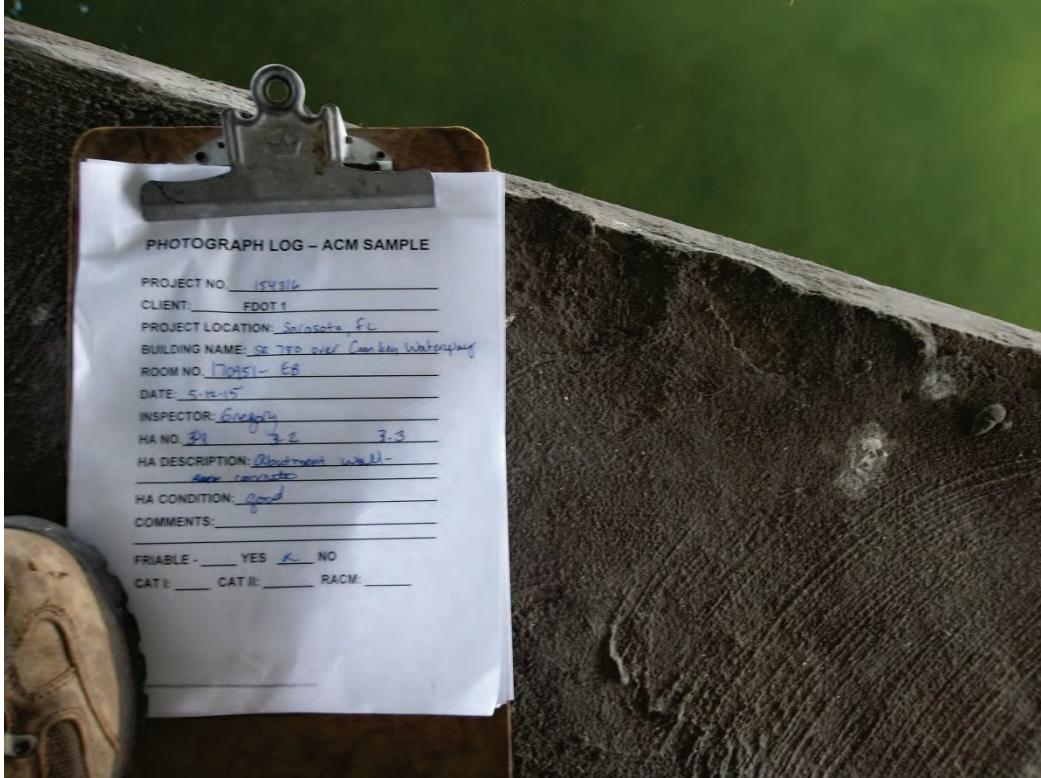


**PHOTO 9 – 5/13/15 – SAMPLE 2.3 – HA 2
CONCRETE
BENT CAPS**

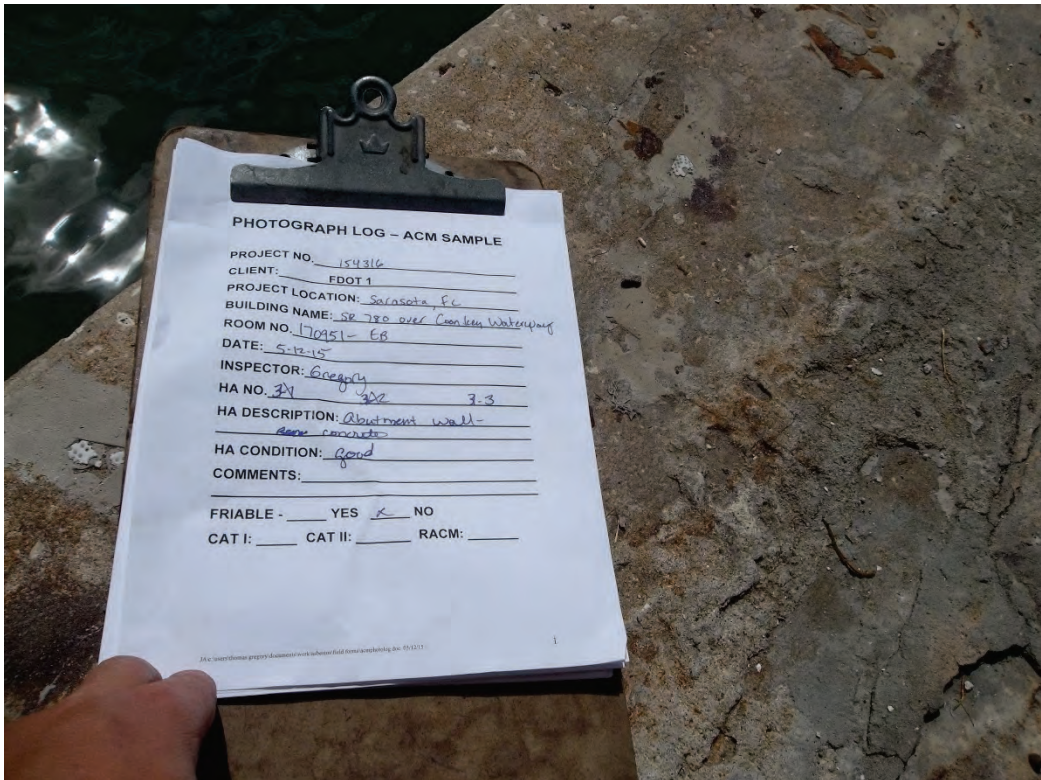


**PHOTO 10 – 5/12/15 – SAMPLE 3.1 – HA 3
CONCRETE
SEAWALL**

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 11 – 5/12/15 – SAMPLE 3.2 – HA 3
CONCRETE
SEAWALL**



**PHOTO 12 – 5/12/15 – SAMPLE 3.3 – HA 3
CONCRETE
SEAWALL**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

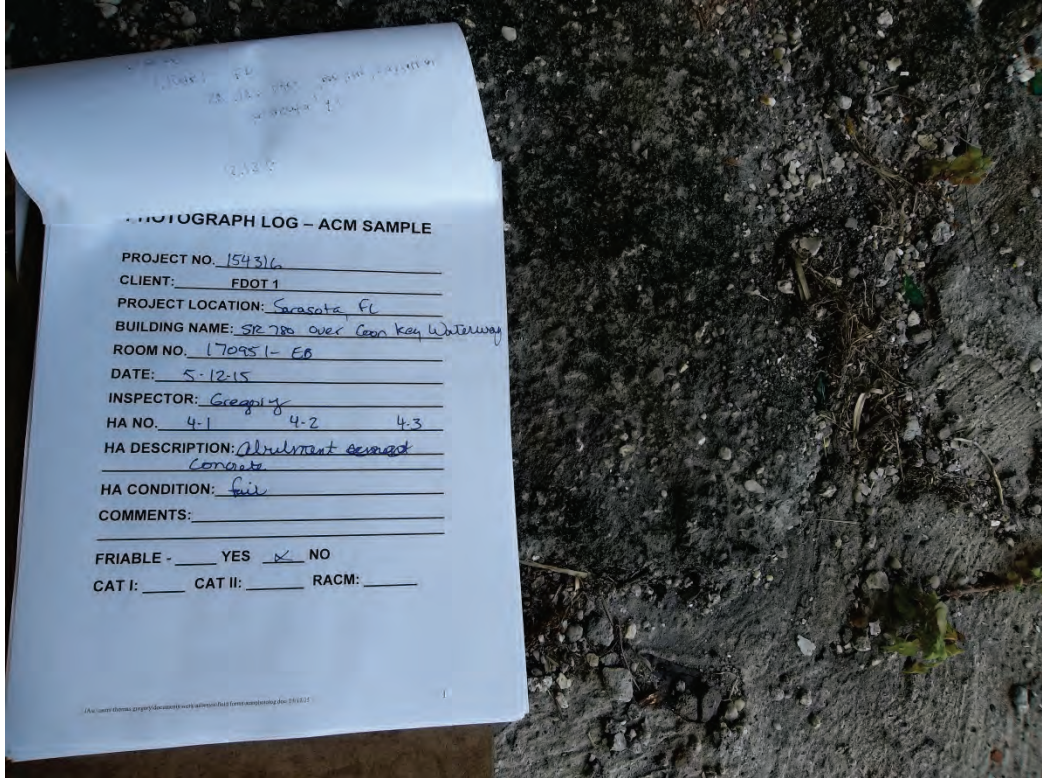


PHOTO 13 - 5/12/15 - SAMPLE 4.1 - HA 4
CONCRETE
END BENT OR ABUTMENT

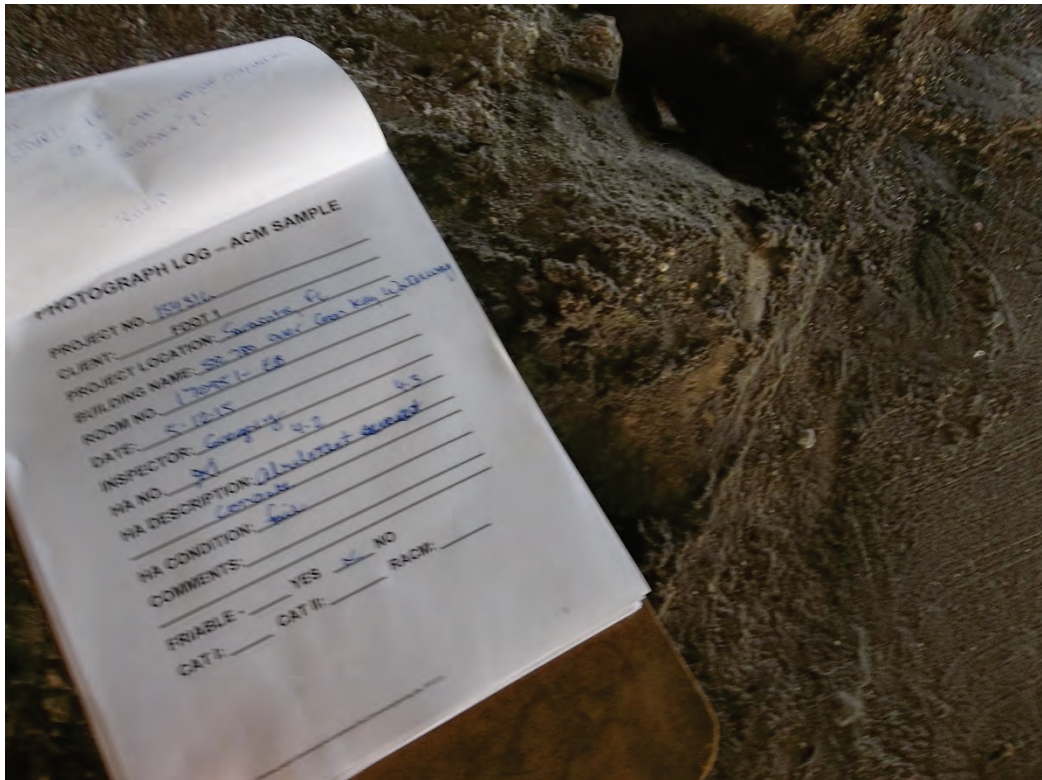


PHOTO 14 - 5/12/15 - SAMPLE 4.2 - HA 4
CONCRETE
END BENT OR ABUTMENT

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

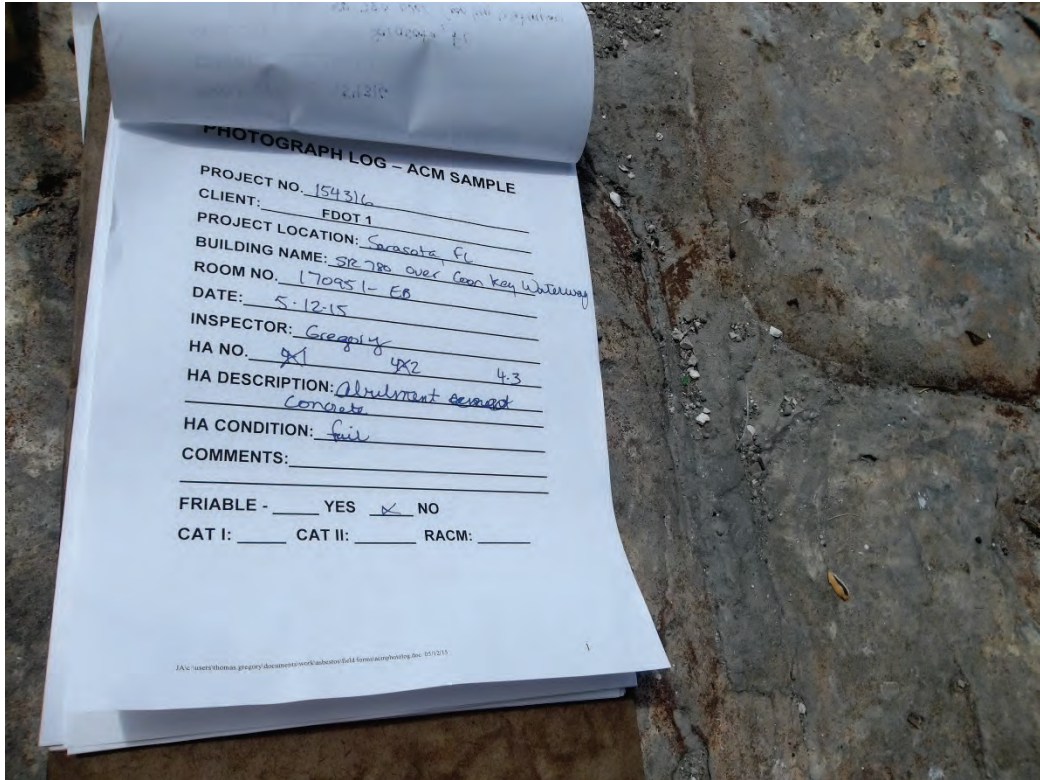


PHOTO 15 - 5/12/15 - SAMPLE 4.3 - HA 4
CONCRETE
END BENT OR ABUTMENT

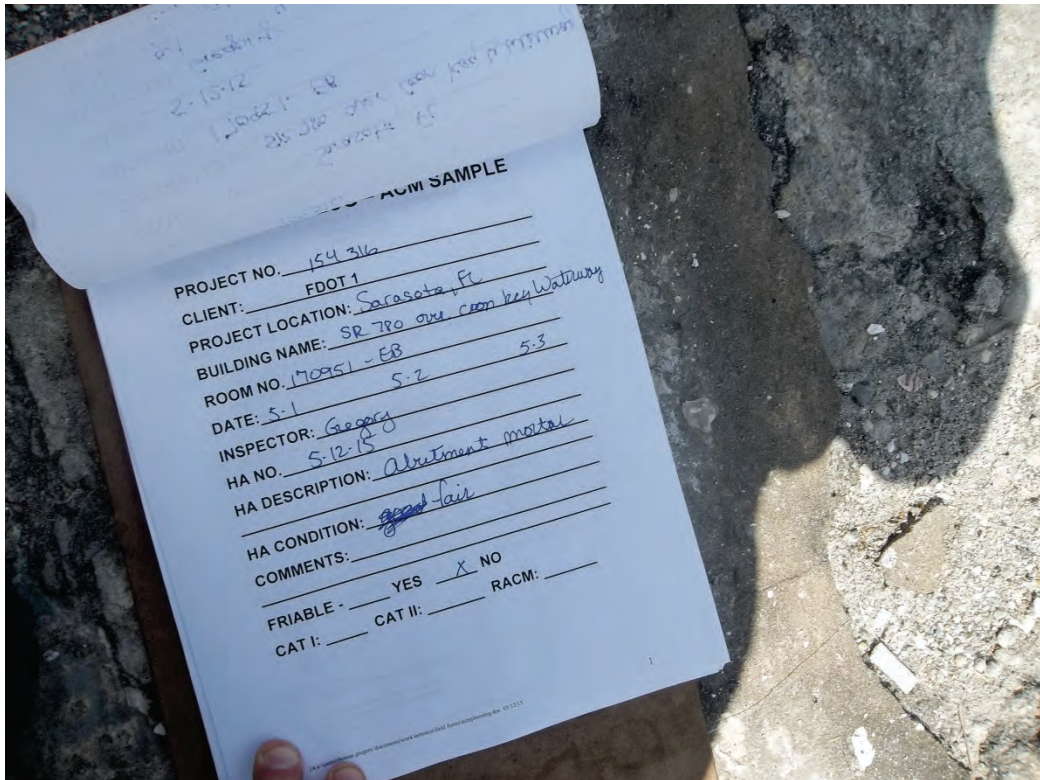


PHOTO 16 - 5/12/15 - SAMPLE 5.1 - HA 5
MORTAR
END BENT OR ABUTMENT

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

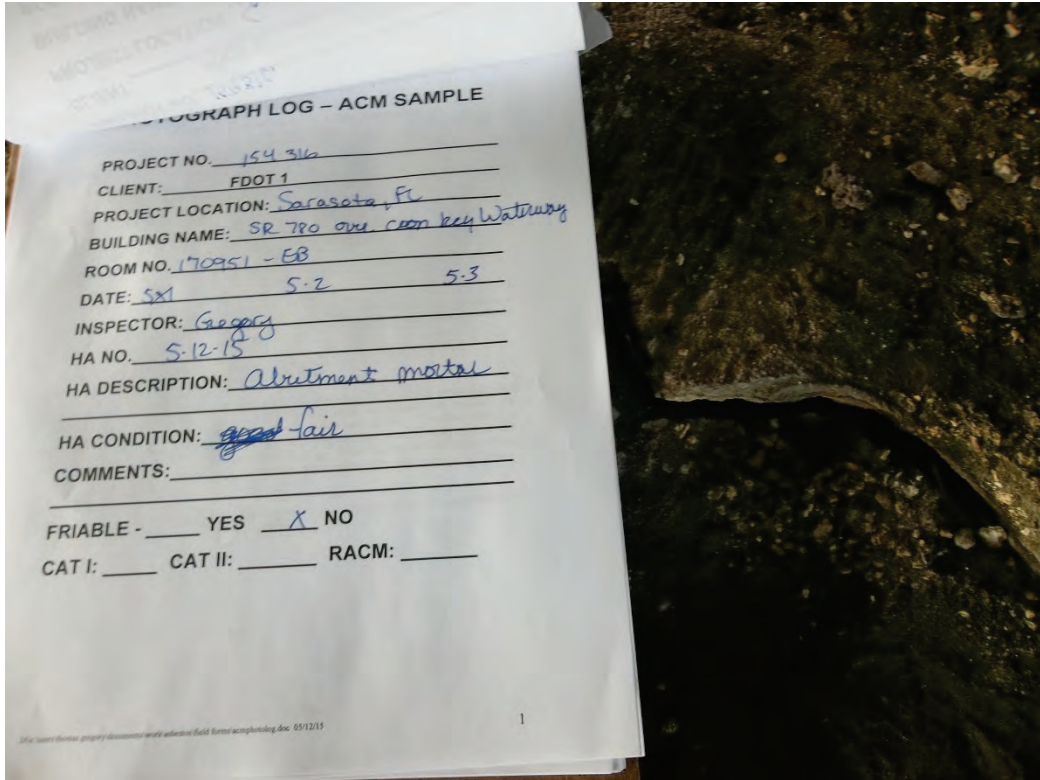


PHOTO 17 - 5/12/15 - SAMPLE 5.2 - HA 5
MORTAR
END BENT OR ABUTMENT

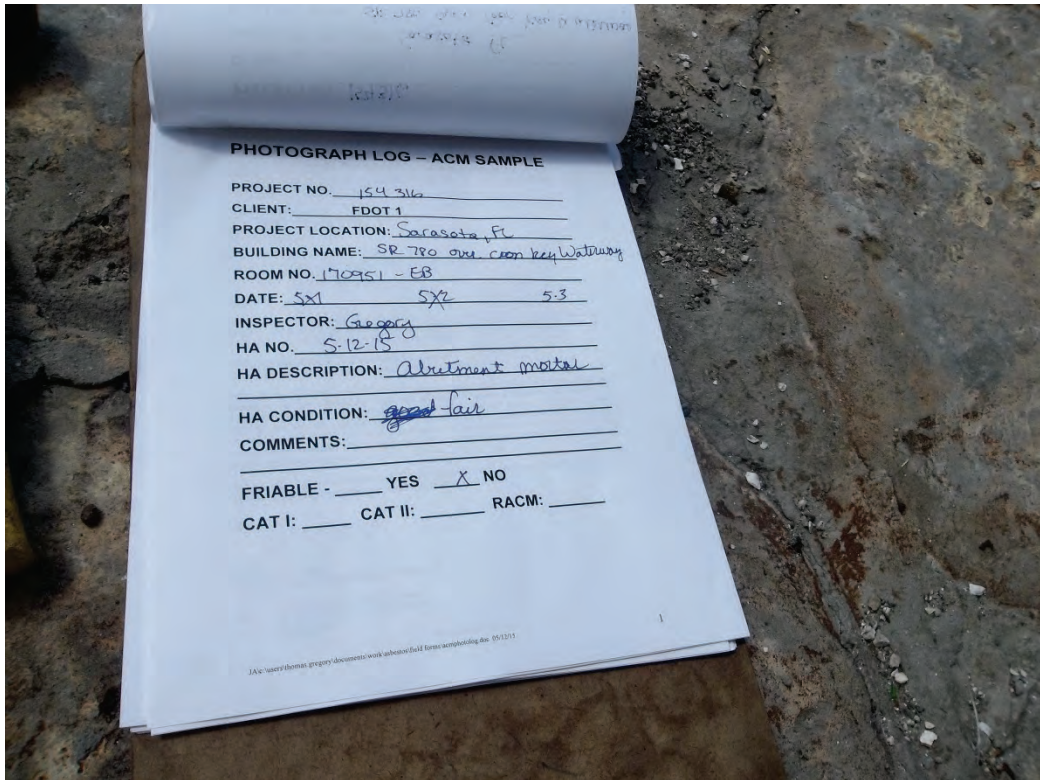
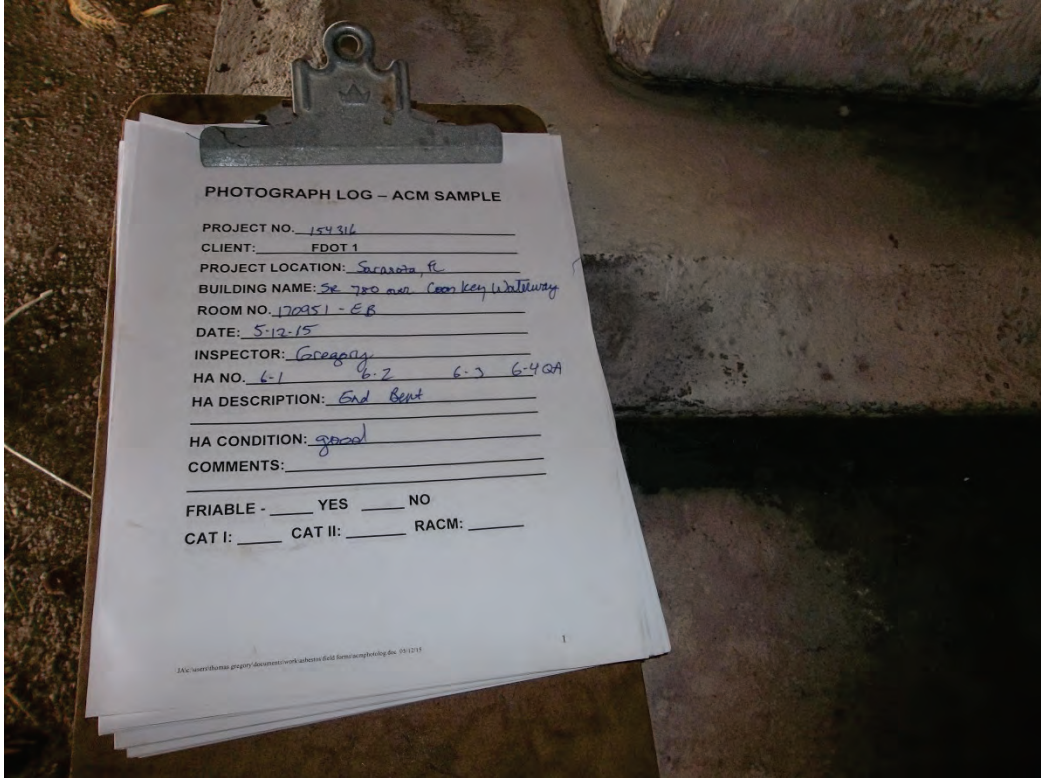
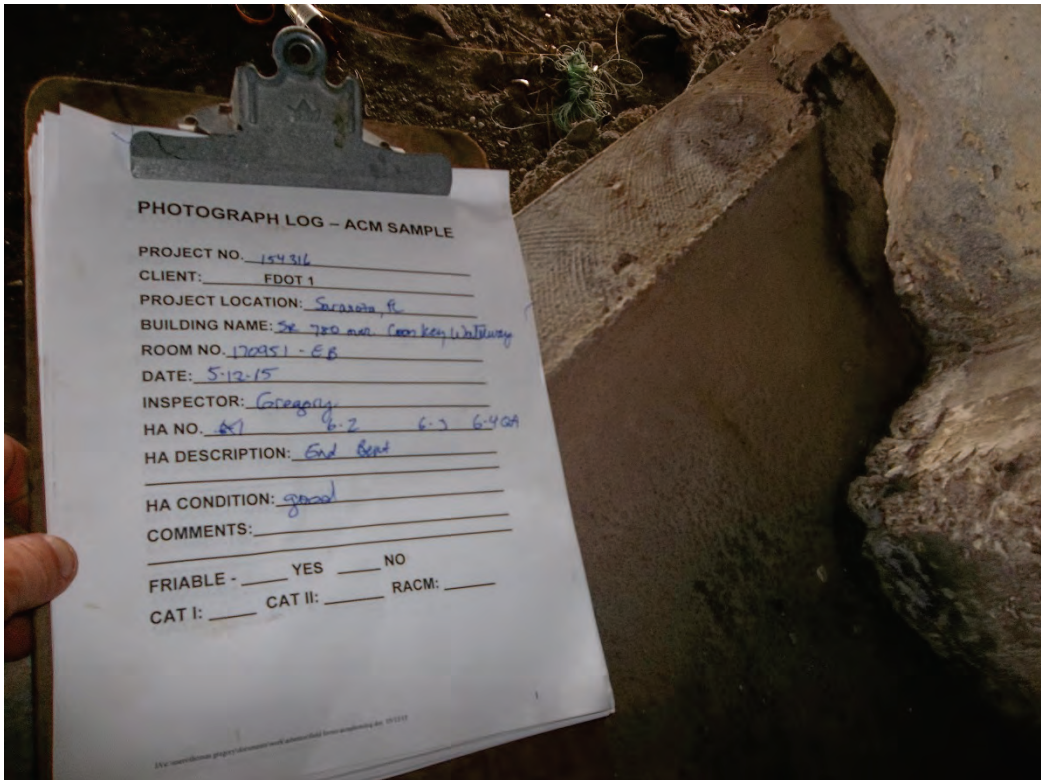


PHOTO 18 - 5/12/15 - SAMPLE 5.3 - HA 5
MORTAR
END BENT OR ABUTMENT

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**

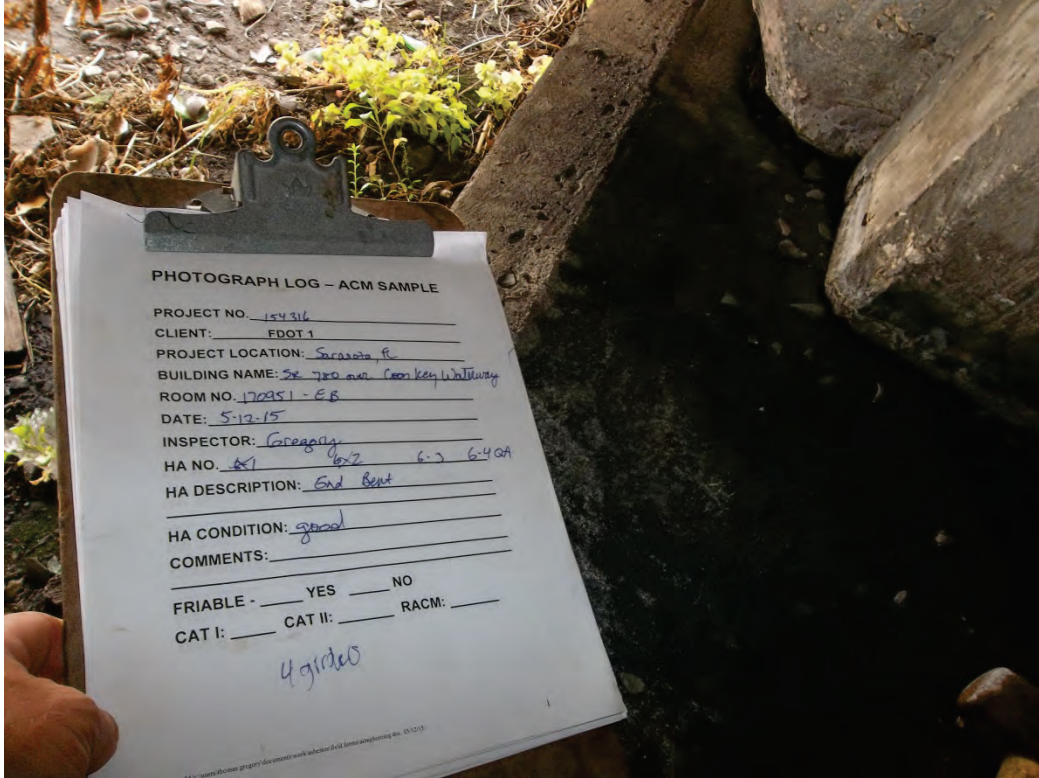


**PHOTO 19 – 5/12/15 – SAMPLE 6.1 – HA 6
CONCRETE
END BENT PILE CAP**

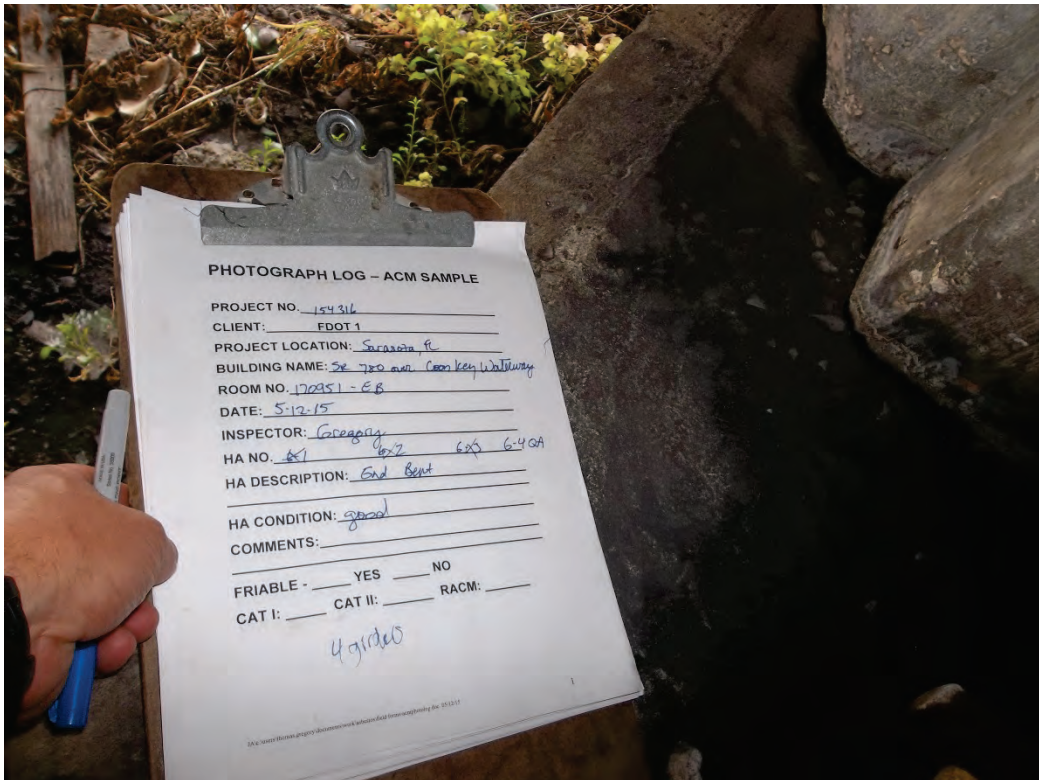


**PHOTO 20 – 5/12/15 – SAMPLE 6.2 – HA 6
CONCRETE
END BENT PILE CAP**

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 21 – 5/12/15 – SAMPLE 6.3 – HA 6
CONCRETE
END BENT PILE CAP**



**PHOTO 22 – 5/12/15 – SAMPLE 6.4 QA/QC– HA 6
CONCRETE
END BENT PILE CAP**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

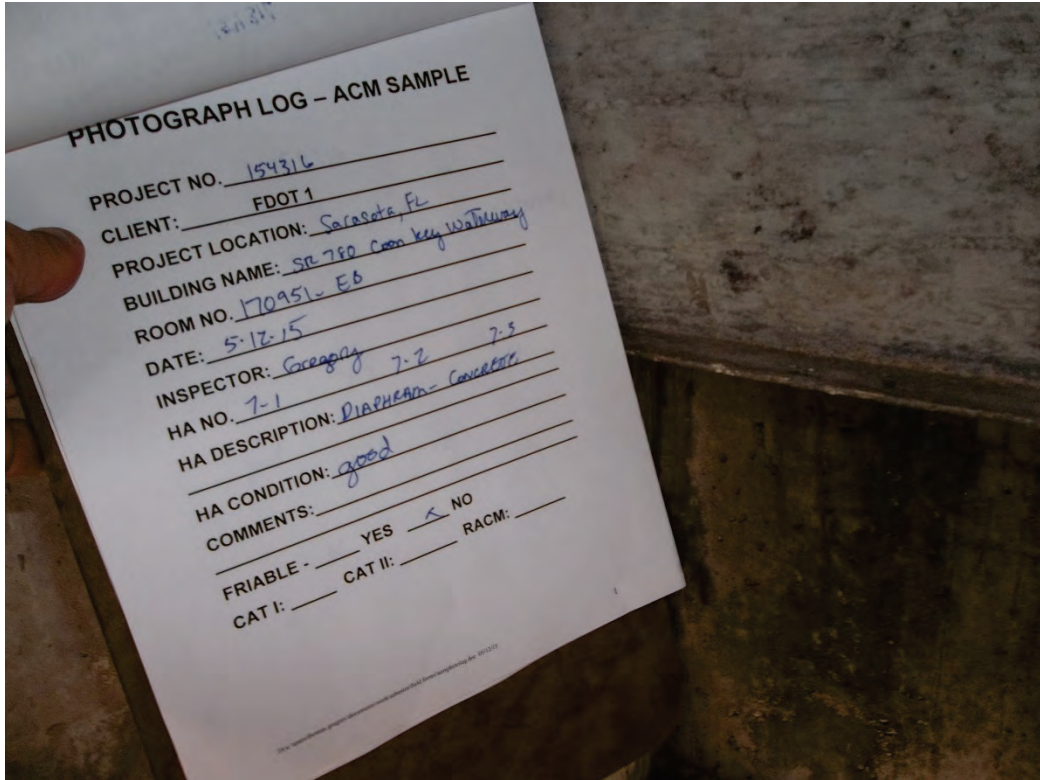


PHOTO 23 – 5/12/15 – SAMPLE 7.1 – HA 7
CONCRETE
DIAPHRAM

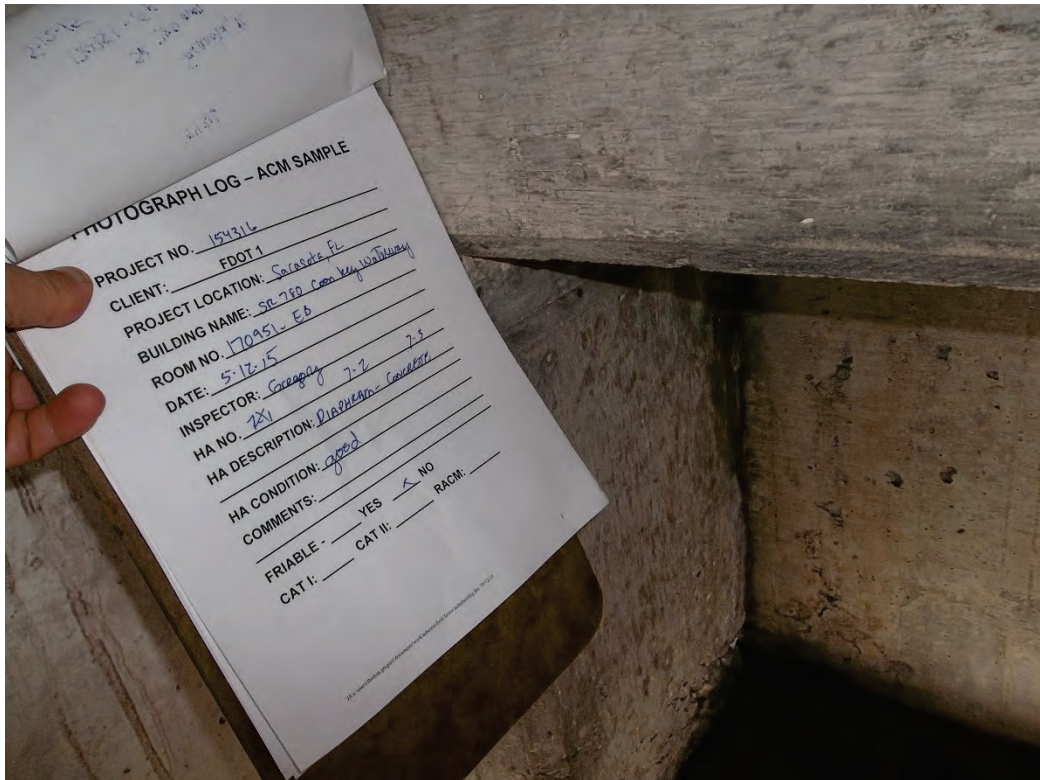
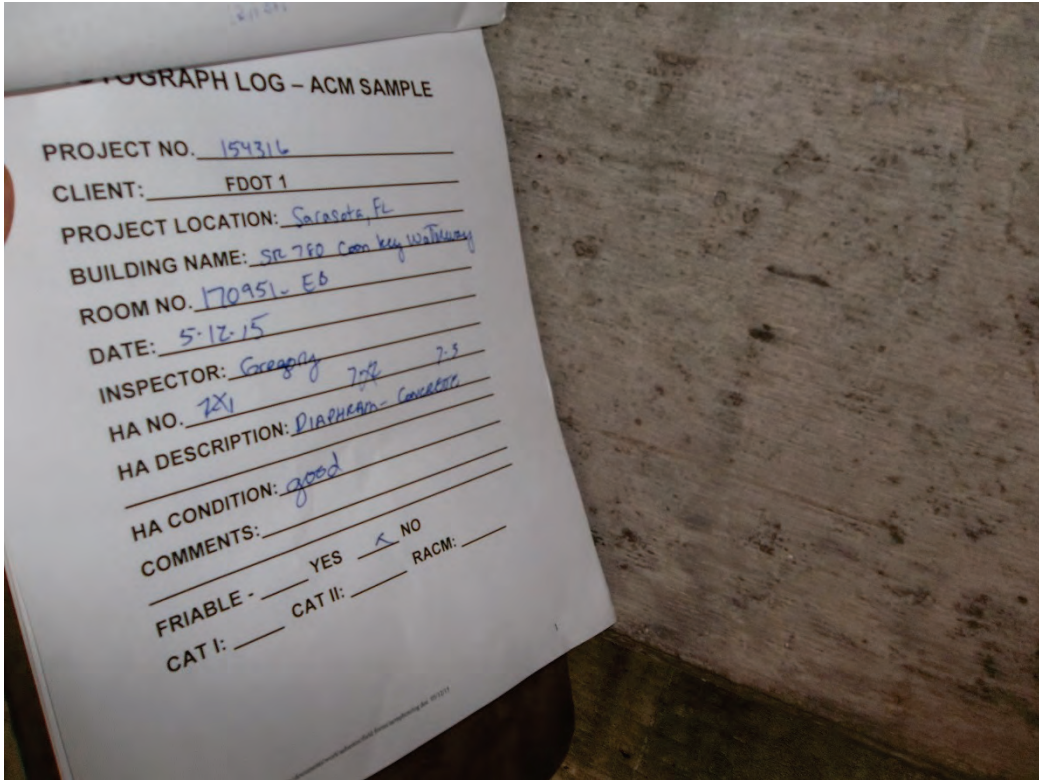
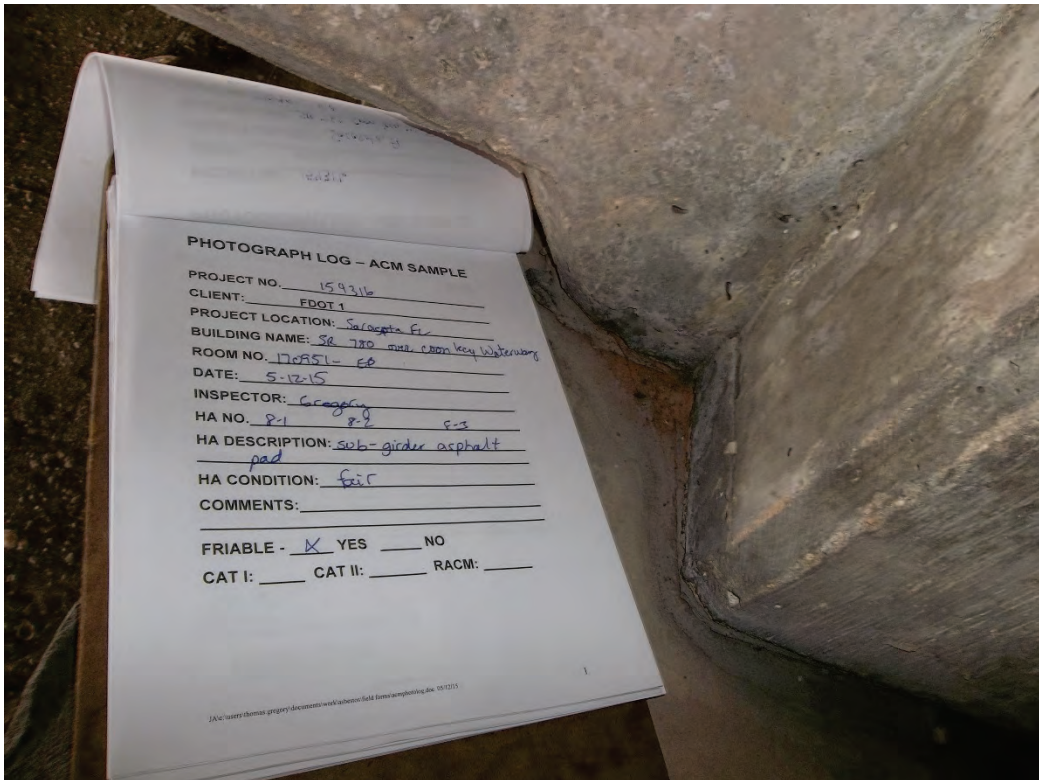


PHOTO 24 – 5/12/15 – SAMPLE 7.2 – HA 7
CONCRETE
DIAPHRAM

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 25 - 5/12/15 - SAMPLE 7.3 - HA 7
CONCRETE
DIAPHRAM**



**PHOTO 26 - 5/12/15 - SAMPLE 8.1 - HA 8
ASPHALT IMPREGNATED PAPER
SUBGIRDER BEARING PAD**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

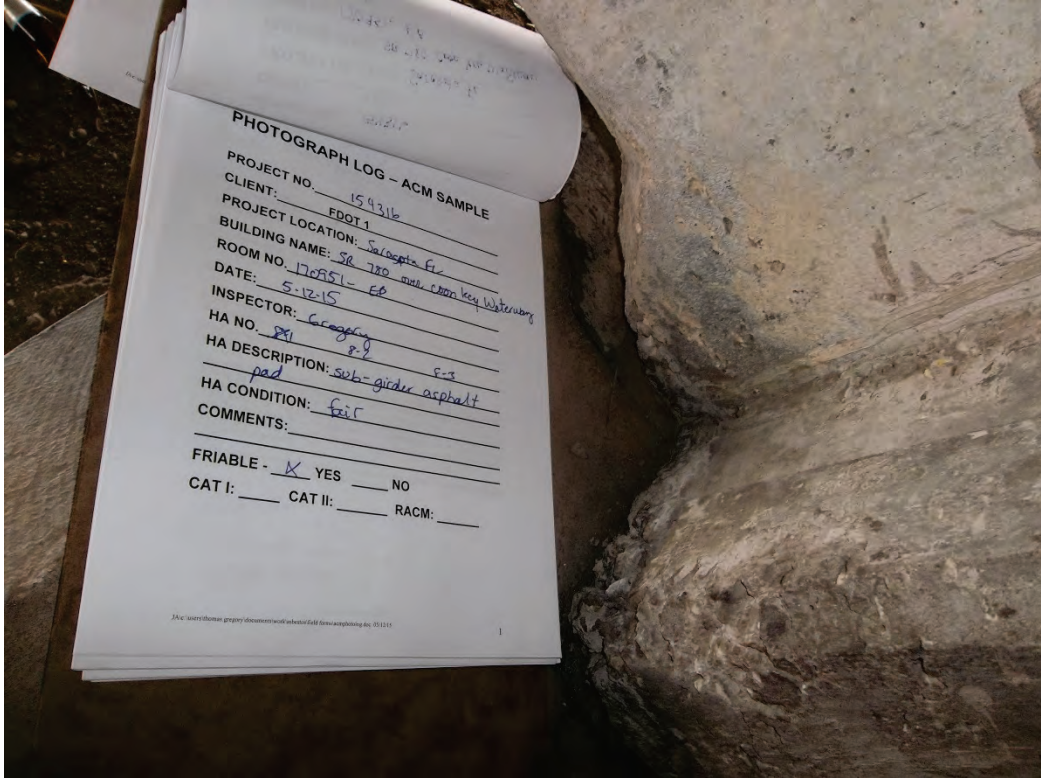


PHOTO 27 – 5/12/15 – SAMPLE 8.2 – HA 8
ASPHALT IMPREGNATED PAPER
SUBGIRDER BEARING PAD

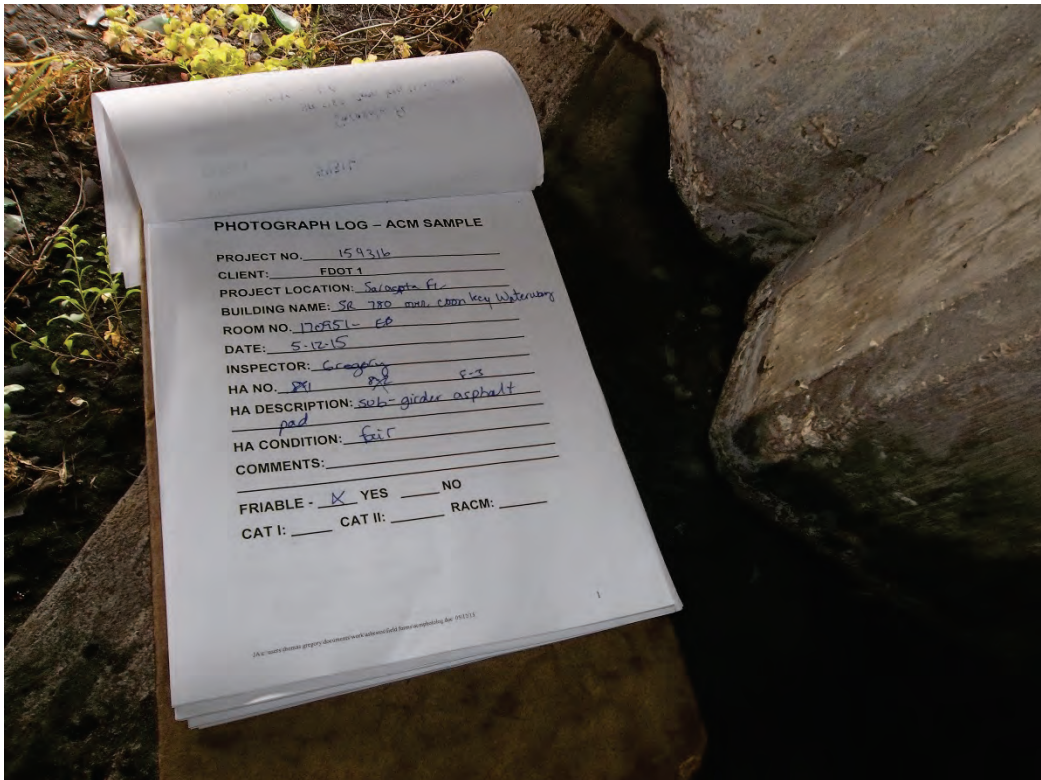
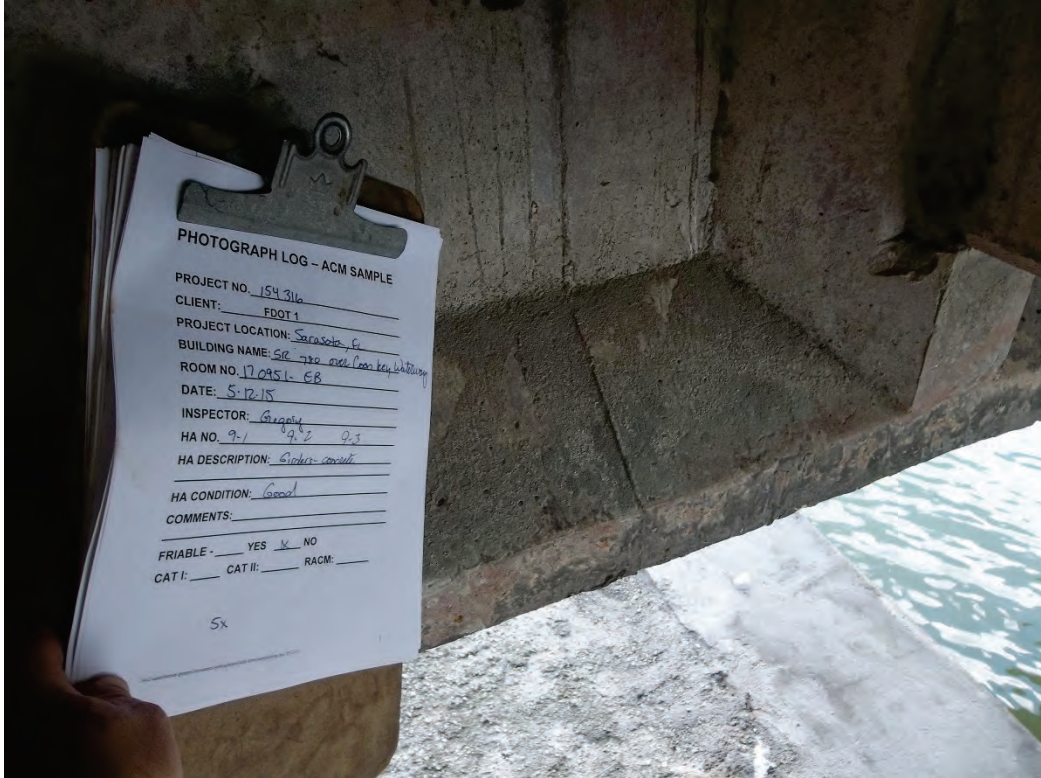
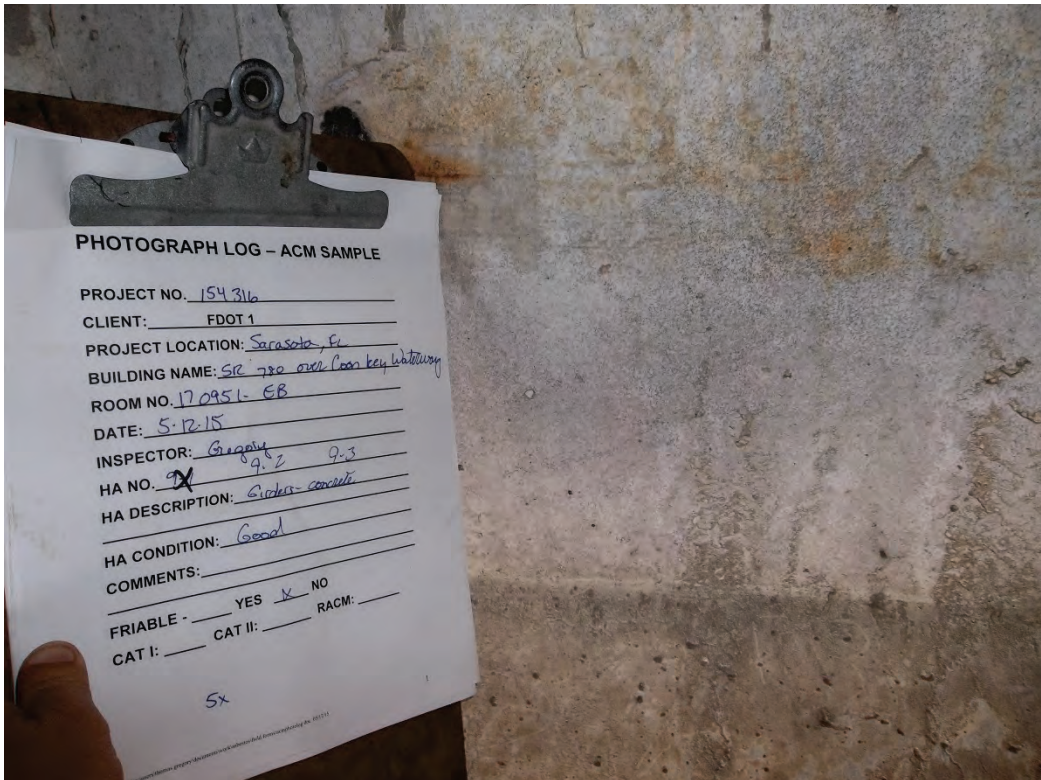


PHOTO 28 – 5/12/15 – SAMPLE 8.3 – HA 8
ASPHALT IMPREGNATED PAPER
SUBGIRDER BEARING PAD

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**

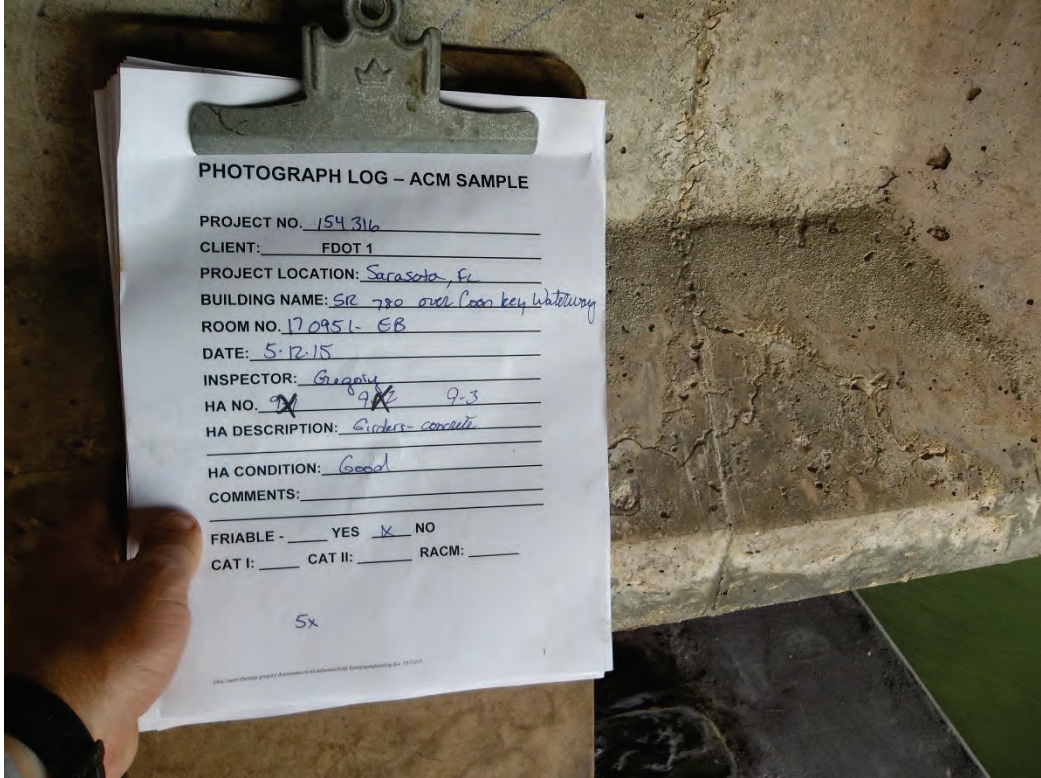


**PHOTO 29 – 5/12/15 – SAMPLE 9.1 – HA 9
CONCRETE
GIRDER**

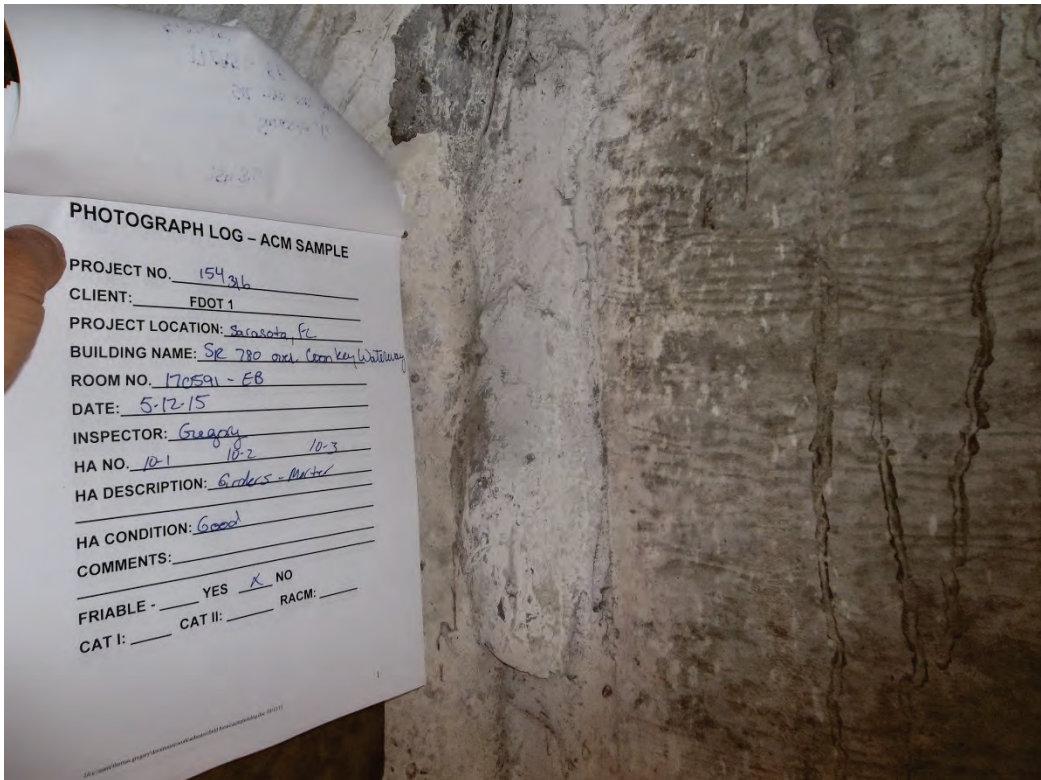


**PHOTO 30 – 5/12/15 – SAMPLE 9.2 – HA 9
CONCRETE
GIRDER**

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 31 - 5/12/15 - SAMPLE 9.3 - HA 9
CONCRETE
GIRDER**



**PHOTO 32 - 5/12/15 - SAMPLE 10.1 - HA 10
MORTAR
GIRDER**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

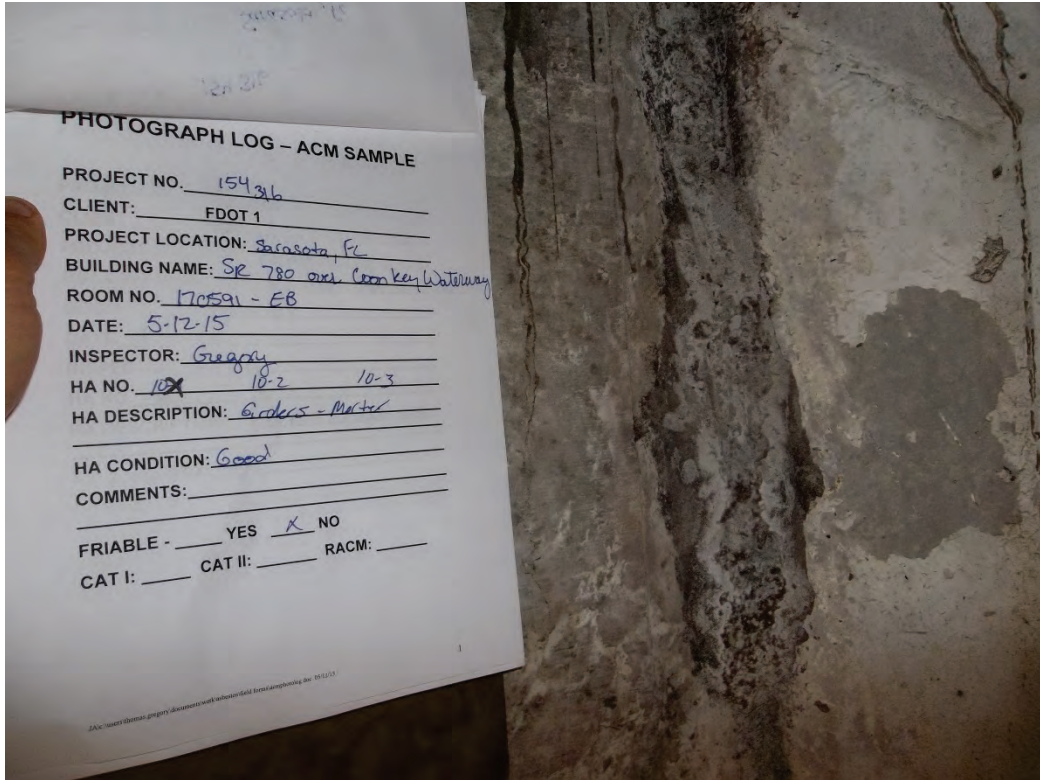


PHOTO 33 - 5/12/15 - SAMPLE 10.2 - HA 10
MORTAR
GIRDER

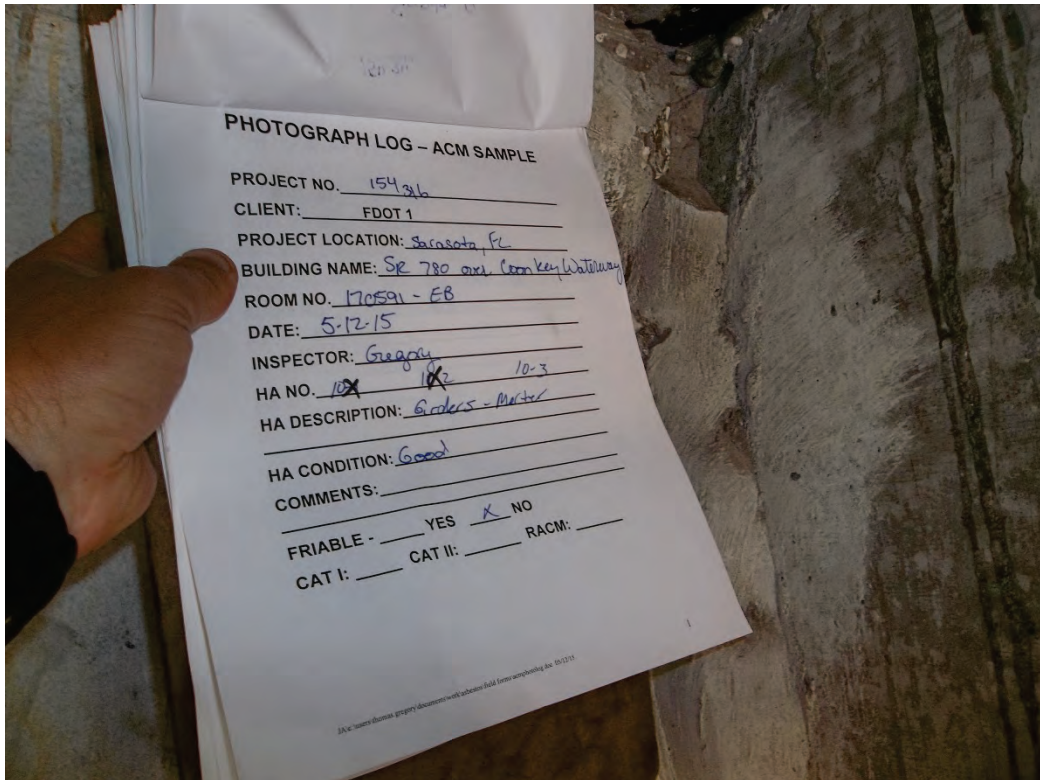


PHOTO 34 - 5/12/15 - SAMPLE 10.3 - HA 10
MORTAR
GIRDER

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

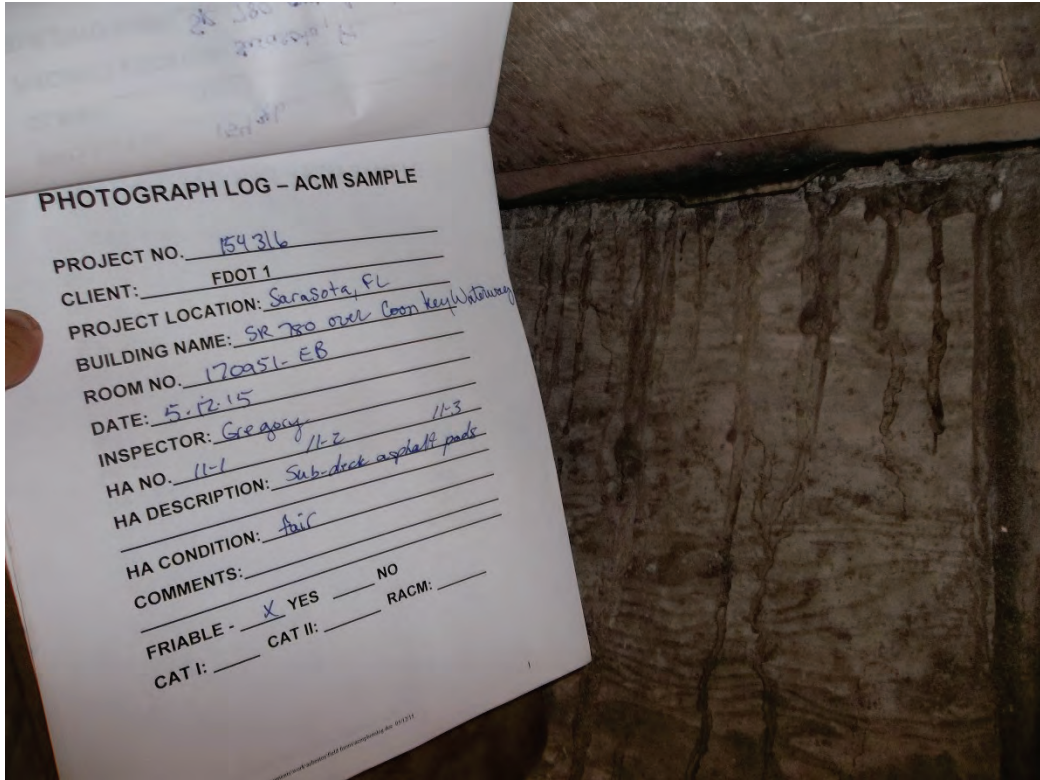


PHOTO 35 - 5/12/15 - SAMPLE 11.1 - HA 11
ASPHALT IMPREGNATE PAPER
SUBDECK BEARING PAD

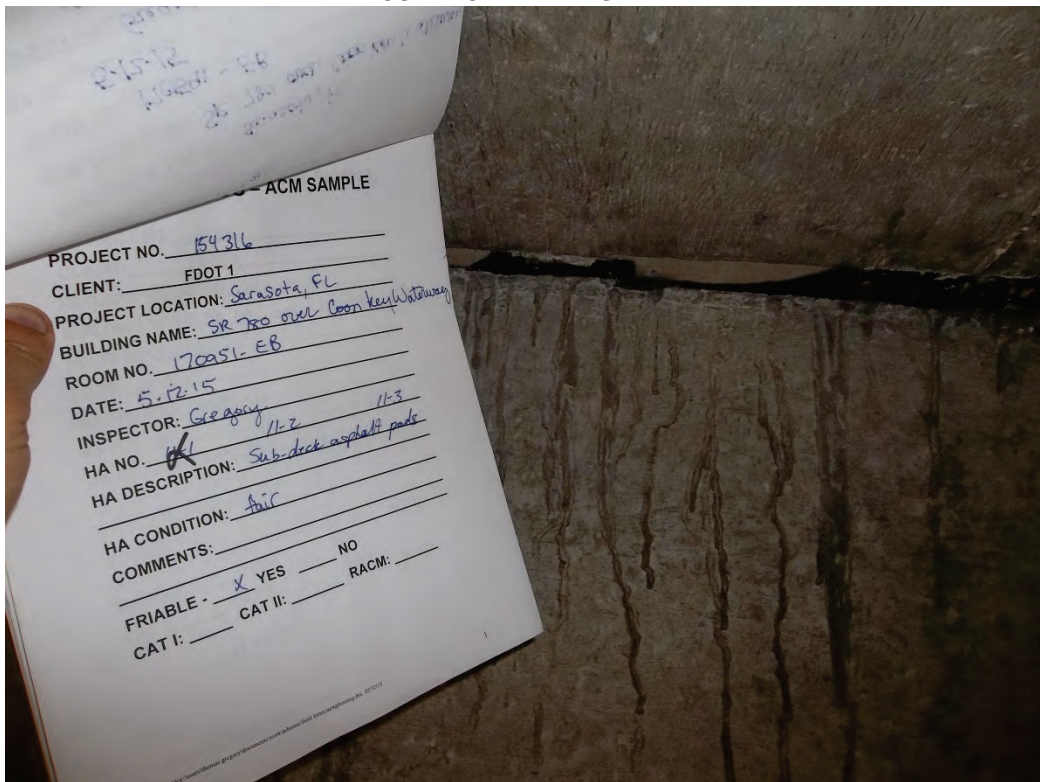
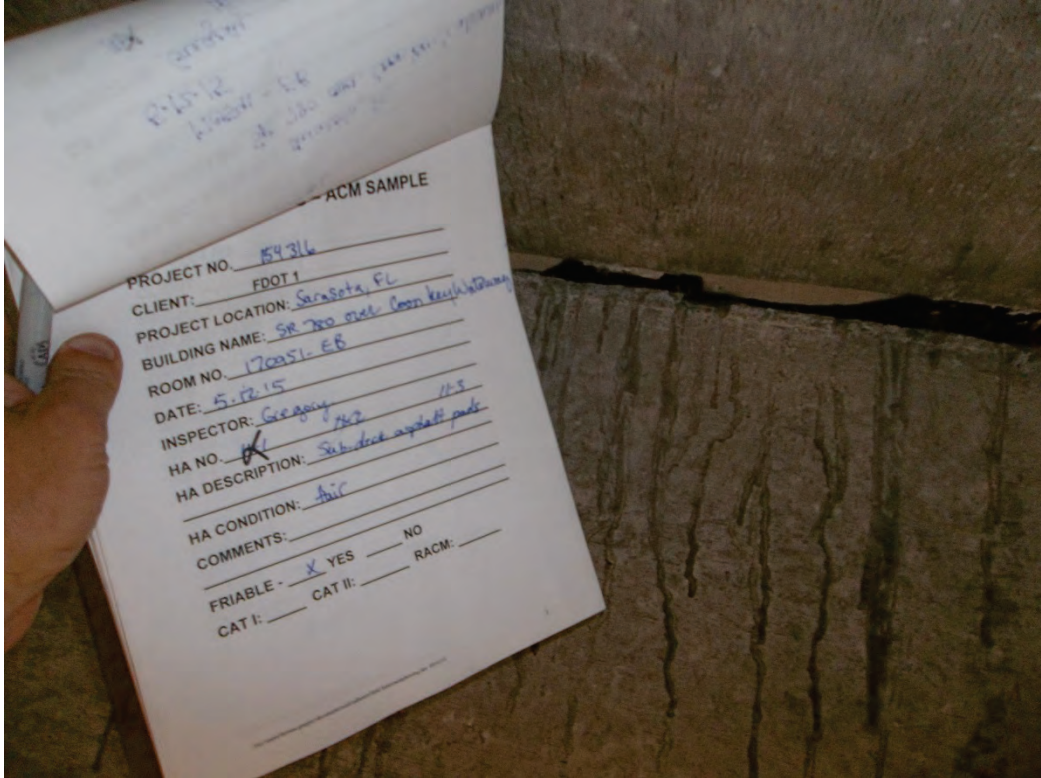
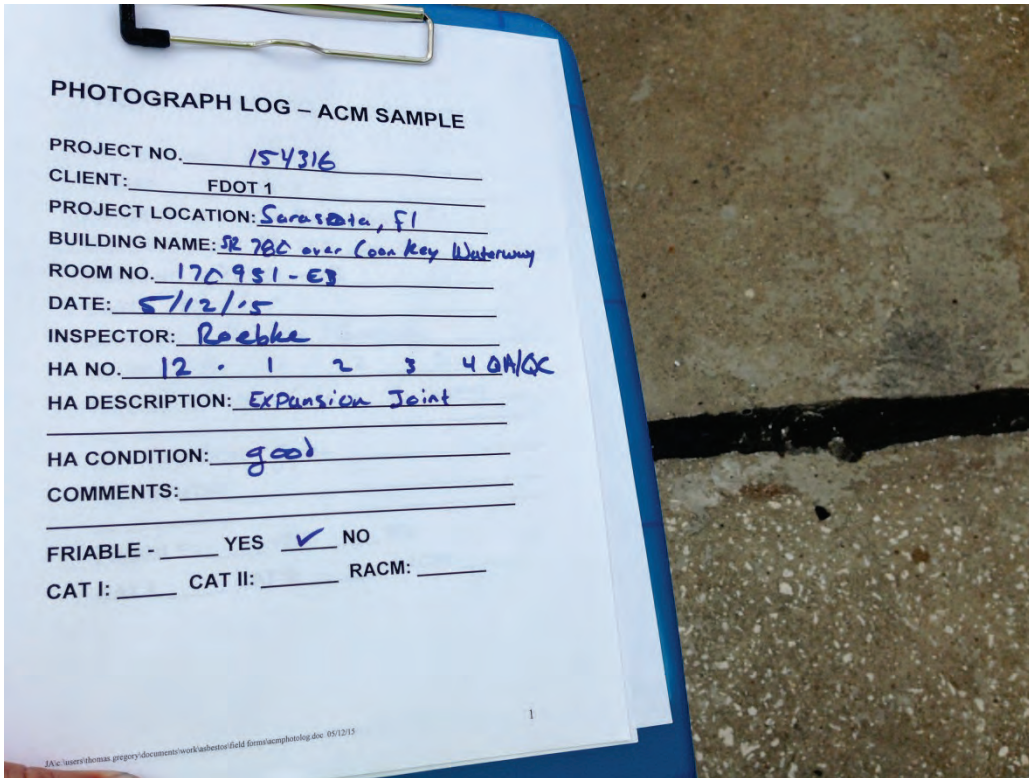


PHOTO 36 - 5/12/15 - SAMPLE 11.2 - HA 11
ASPHALT IMPREGNATE PAPER
SUBDECK BEARING PAD

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 37 – 5/12/15 – SAMPLE 11.3 – HA 11
ASPHALT IMPREGNATE PAPER
SUBDECK BEARING PAD**



**PHOTO 38 – 5/12/15 – SAMPLE 12.1 – HA 12
RUBBER CAULKING
EXPANSION JOINT**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG – ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170951-EB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 12 - # 2 3 4 ON/GX

HA DESCRIPTION: Expansion Joint

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 39 – 5/12/15 – SAMPLE 12.2 – HA 12
RUBBER CAULKING
EXPANSION JOINT

PHOTOGRAPH LOG – ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170951-EB

DATE: 5/12/15

INSPECTOR: Roebke

HA NO. 12 - # # 3 4 ON/GX

HA DESCRIPTION: Expansion Joint

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

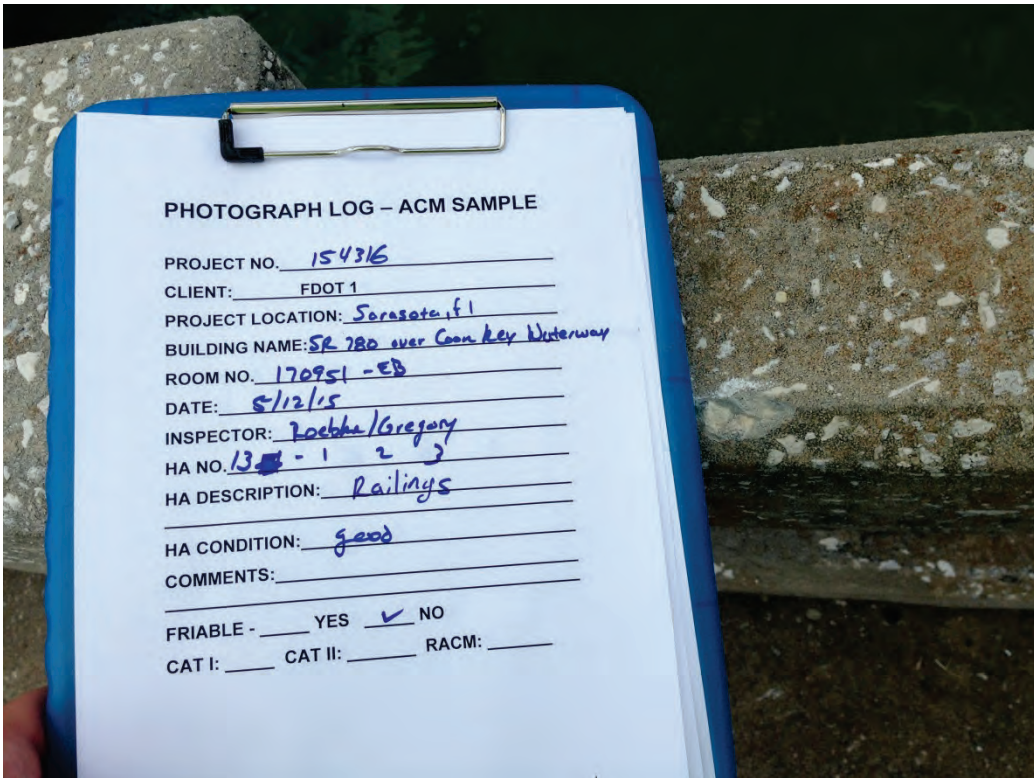
CAT I: _____ CAT II: _____ RACM: _____

PHOTO 40 – 5/12/15 – SAMPLE 12.3 – HA 12
RUBBER CAULKING
EXPANSION JOINT

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 41 – 5/12/15 – SAMPLE 12.4 QA/QC – HA 12
RUBBER CAULKING
EXPANSION JOINT**



**PHOTO 42 – 5/12/15 – SAMPLE 13.1 – HA 13
CONCRETE
RAILING - RAIL**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

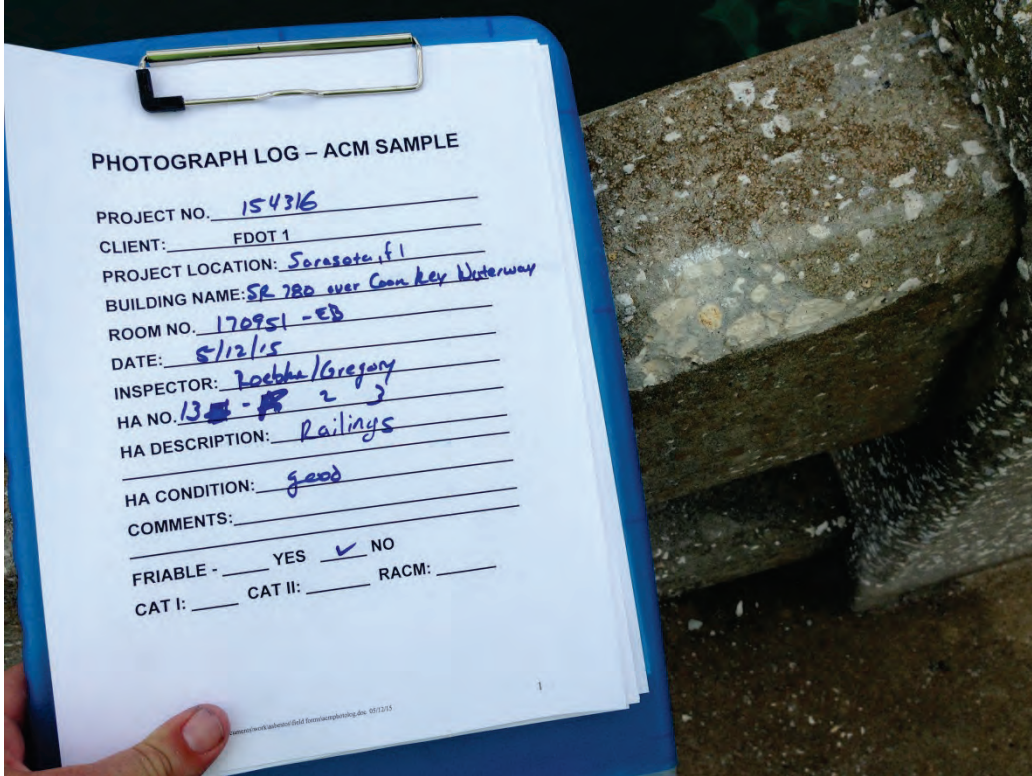


PHOTO 43 – 5/12/15 – SAMPLE 13.2 – HA 13
CONCRETE
RAILING - RAIL

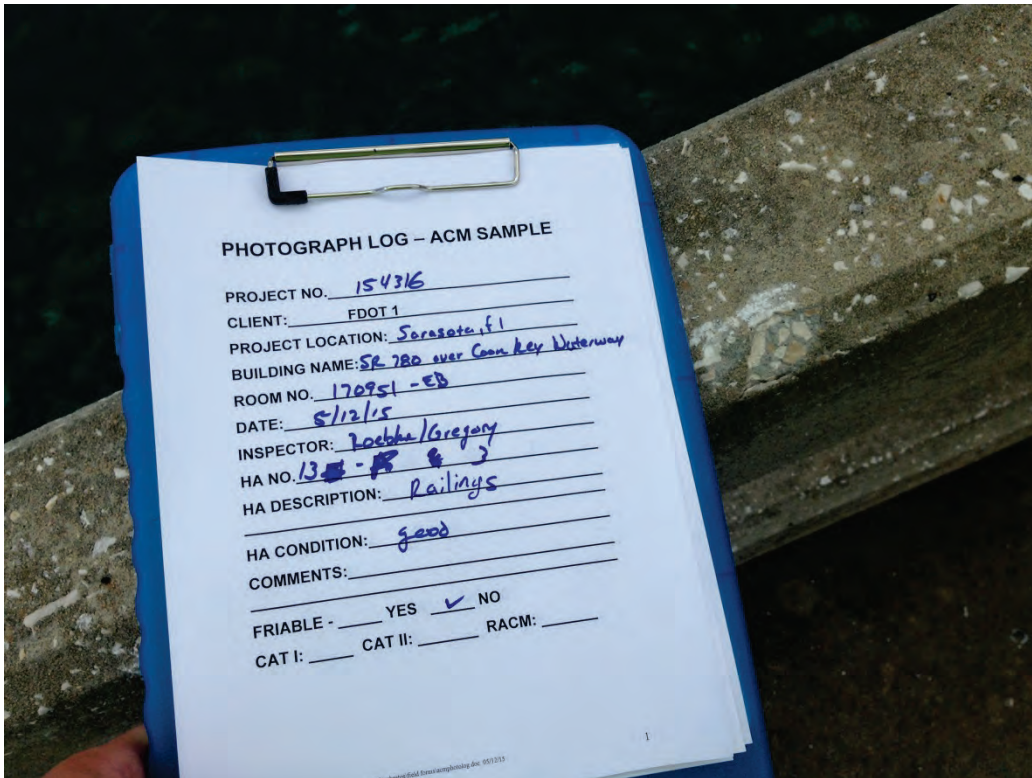
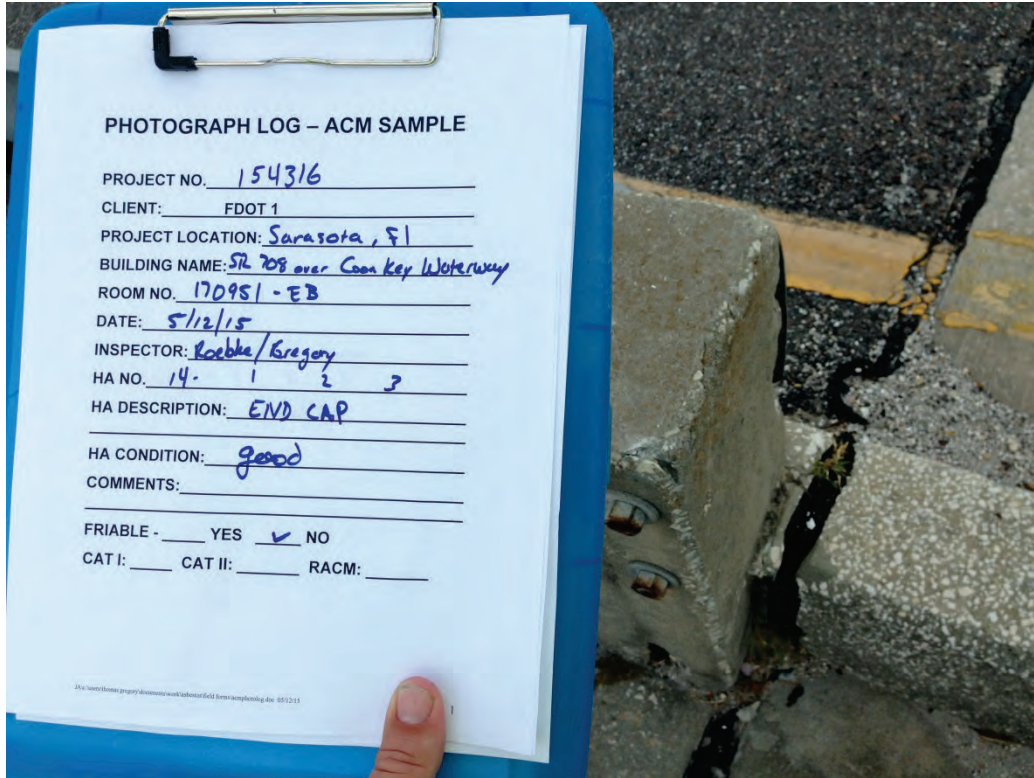
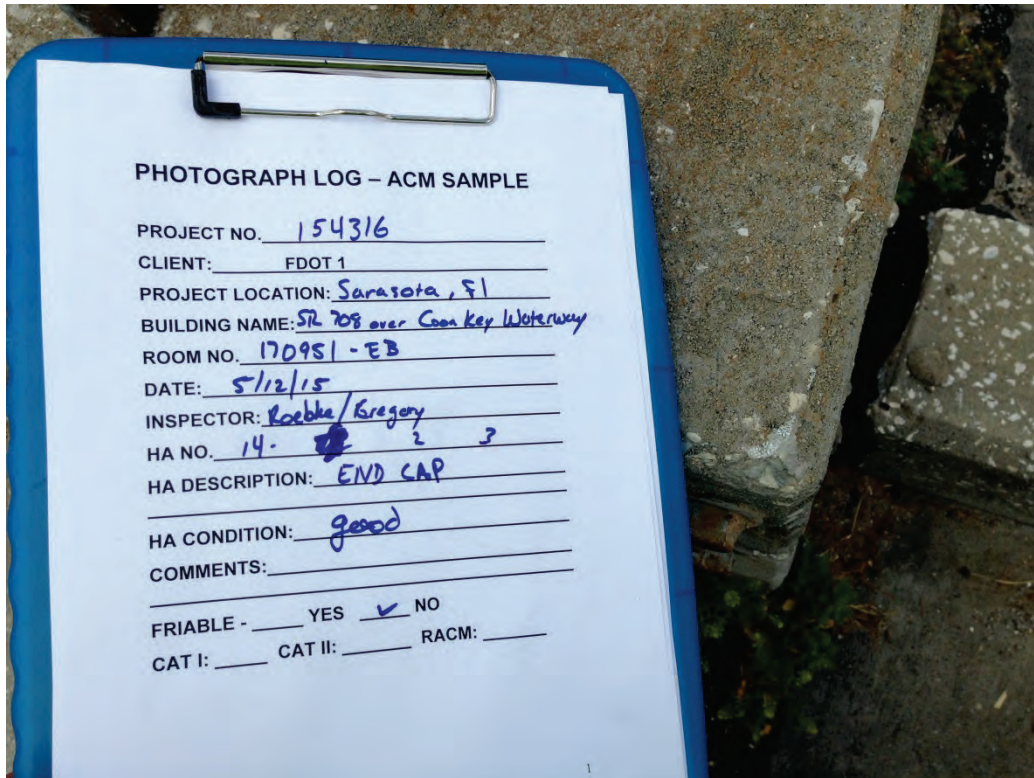


PHOTO 44 – 5/12/15 – SAMPLE 13.3 – HA 13
CONCRETE
RAILING - RAIL

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG



**PHOTO 45 – 5/12/15 - SAMPLE 14.1 – HA 14
CONCRETE
END CAP**



**PHOTO 46 – 5/12/15 – SAMPLE 14.2 – HA 14
CONCRETE
END CAP**

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 788 over Coon Key Waterway

ROOM NO. 170951 - EB

DATE: 5/12/15

INSPECTOR: Roebke / Gregory

HA NO. 14- 1 2 3

HA DESCRIPTION: END CAP

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

J:\Clients\fdot\mms\proj\154316\work\154316\acm\photo\log.doc 05/12/15

**PHOTO 47 - 5/12/15 - SAMPLE 14.3 - HA 14
CONCRETE
END CAP**

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170951 - EB

DATE: 5/12/15

INSPECTOR: Roebke / Gregory

HA NO. 15- 1 2 3

HA DESCRIPTION: Curb

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

J:\Clients\fdot\mms\proj\154316\work\154316\acm\photo\log.doc 05/12/15

**PHOTO 48 - 5/12/15 - SAMPLE 15.1 - HA 15
CONCRETE
CURB**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

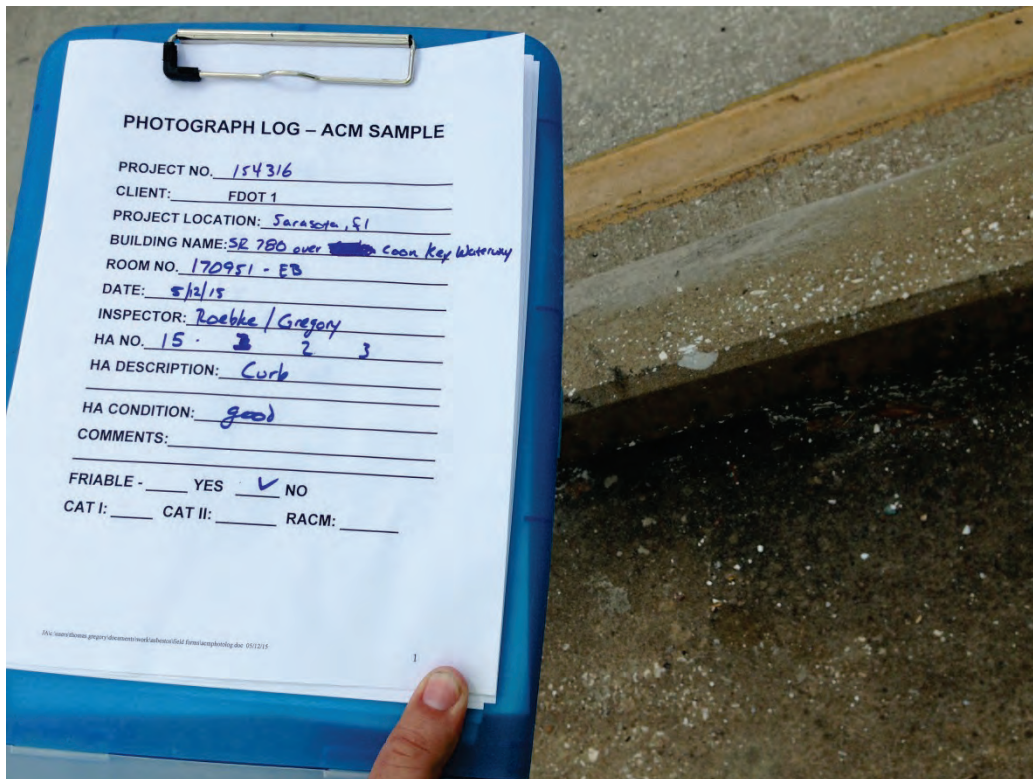


PHOTO 49 – 5/12/15 – SAMPLE 15.2 – HA 15
CONCRETE
CURB

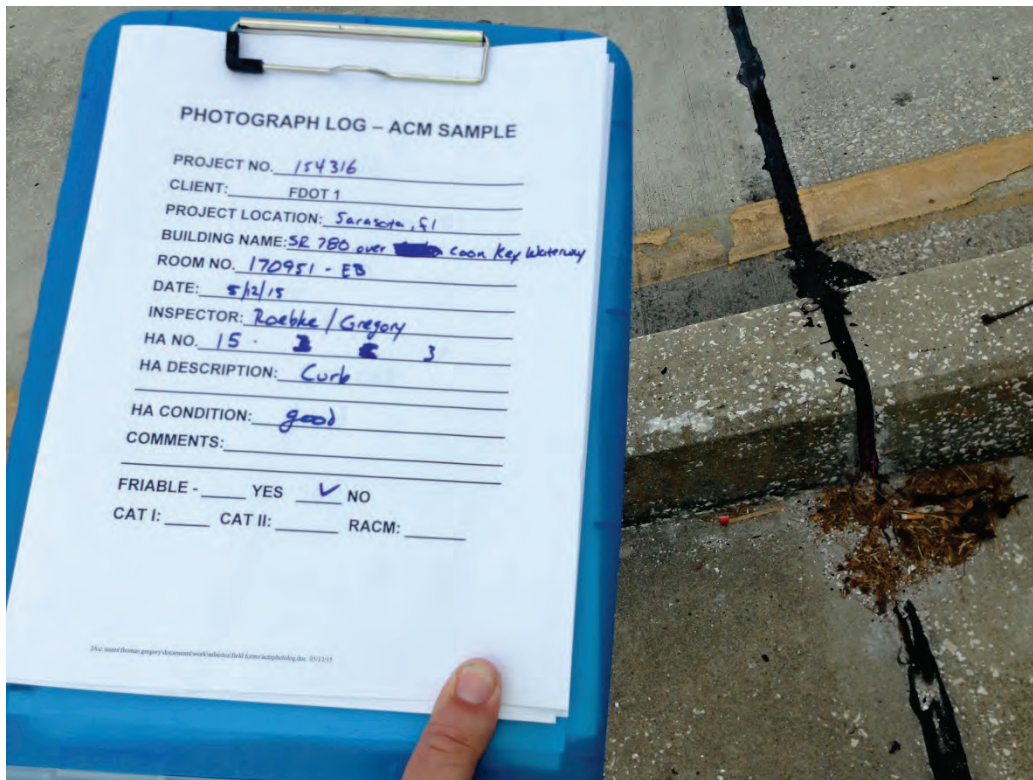
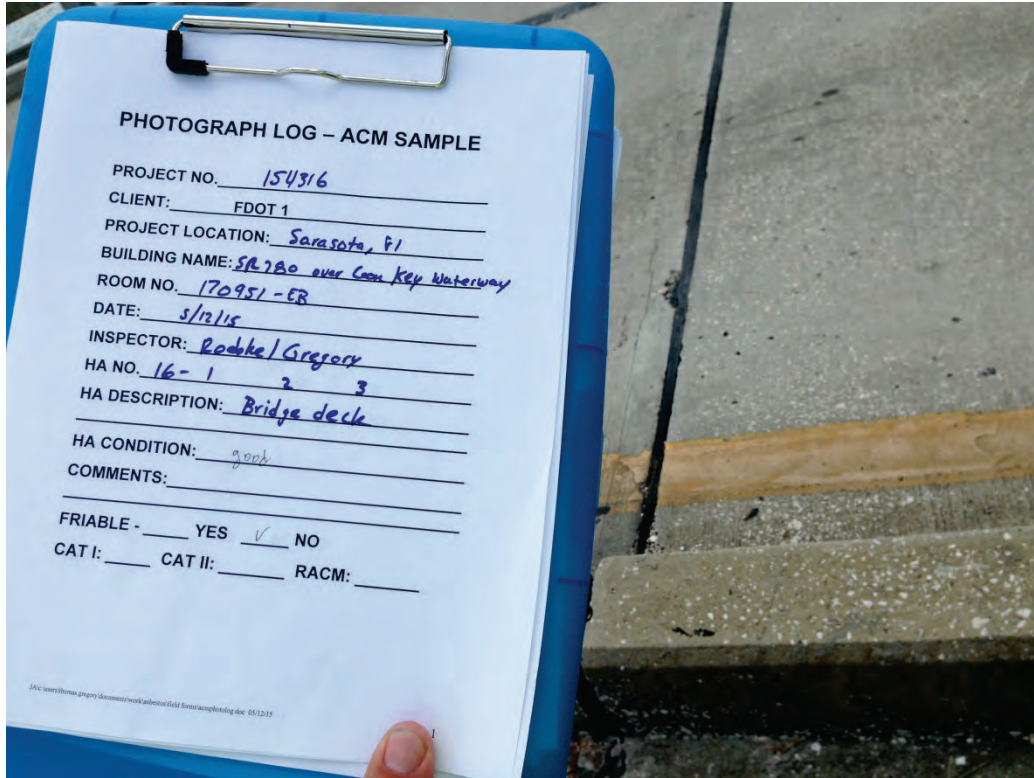
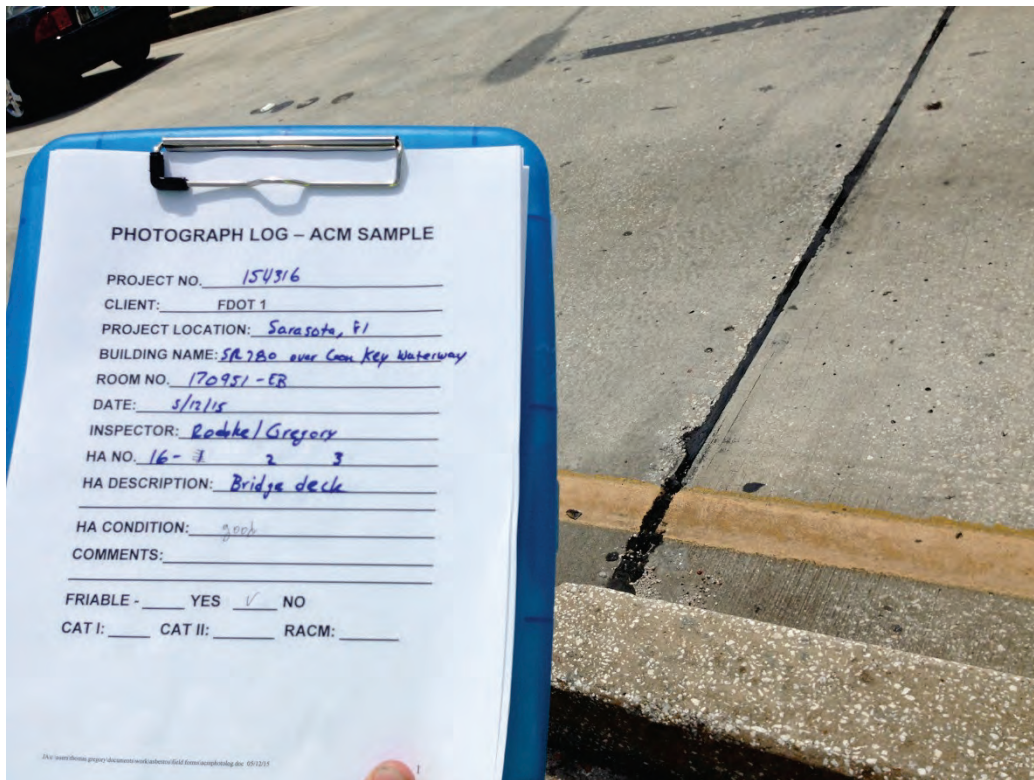


PHOTO 50 – 5/12/15 – SAMPLE 15.3 – HA 15
CONCRETE
CURB

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

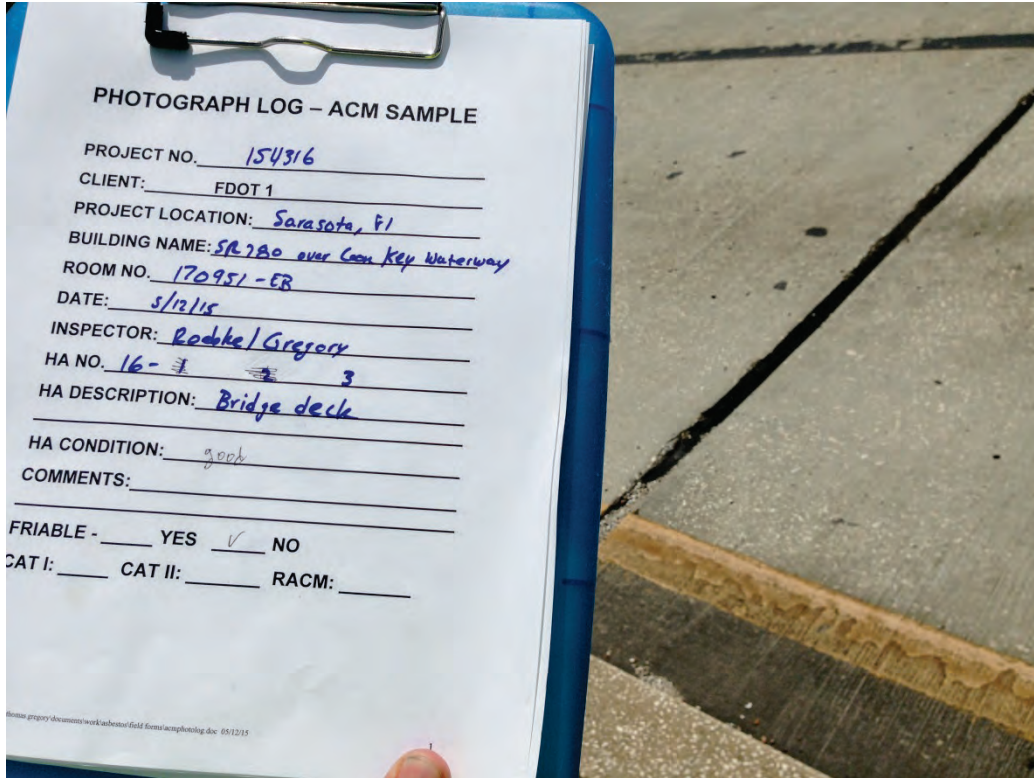


**PHOTO 51 – 5/12/15 – SAMPLE 16.1 – HA 16
CONCRETE
DECK**



**PHOTO 52 – 5/12/15 – SAMPLE 16.2 – HA 16
CONCRETE
DECK**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG



PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170951-EB

DATE: 5/12/15

INSPECTOR: Roebke/Gregory

HA NO. 16-1 2 3

HA DESCRIPTION: Bridge deck

HA CONDITION: good

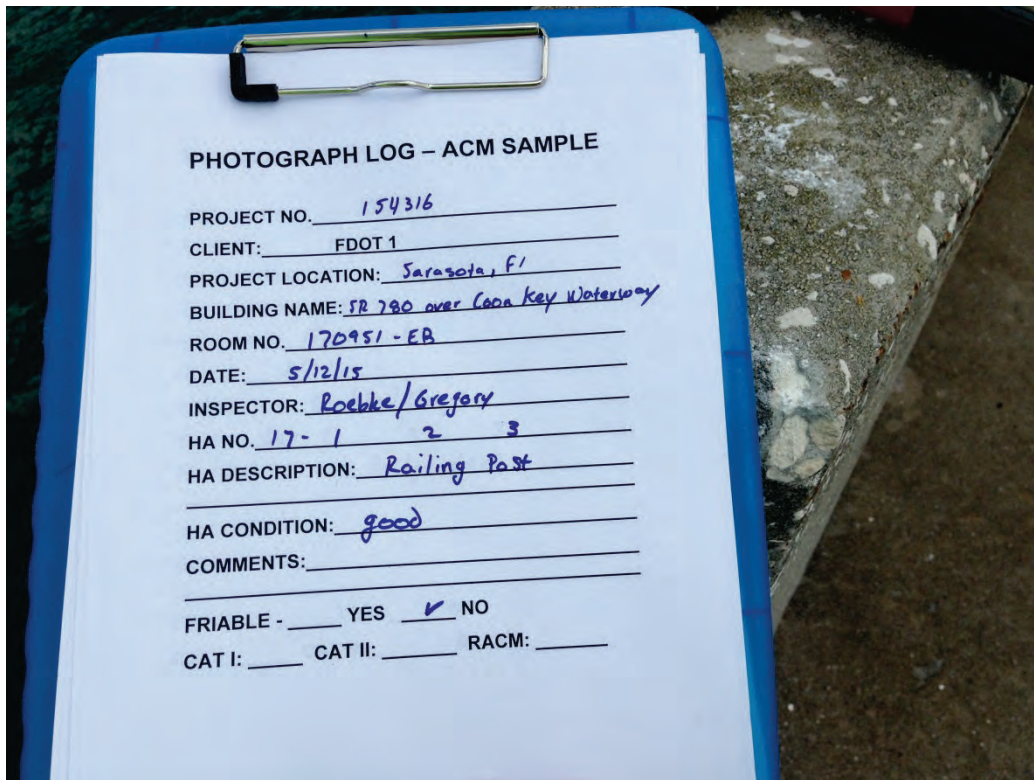
COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

N:\Clients\gregory\documents\work\asbestos\field forms\acmphoto\log.doc 657235

PHOTO 53 - 5/12/15 - SAMPLE 16.3 - HA 16
CONCRETE
DECK



PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 154316

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Coon Key Waterway

ROOM NO. 170951-EB

DATE: 5/12/15

INSPECTOR: Roebke/Gregory

HA NO. 17-1 2 3

HA DESCRIPTION: Railing Post

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

PHOTO 54 - 5/12/15 - SAMPLE 17.1 - HA 17
CONCRETE
RAILING - POST

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

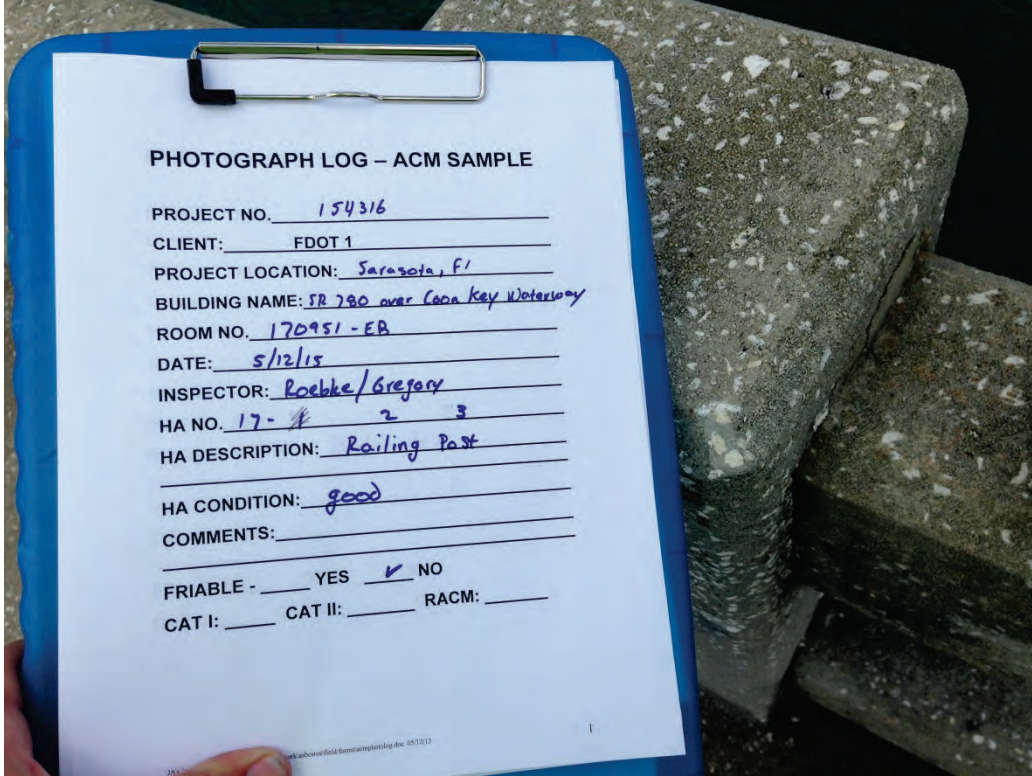


PHOTO 55 – 5/12/15 – SAMPLE 17.2 – HA 17
CONCRETE
RAILING - POST

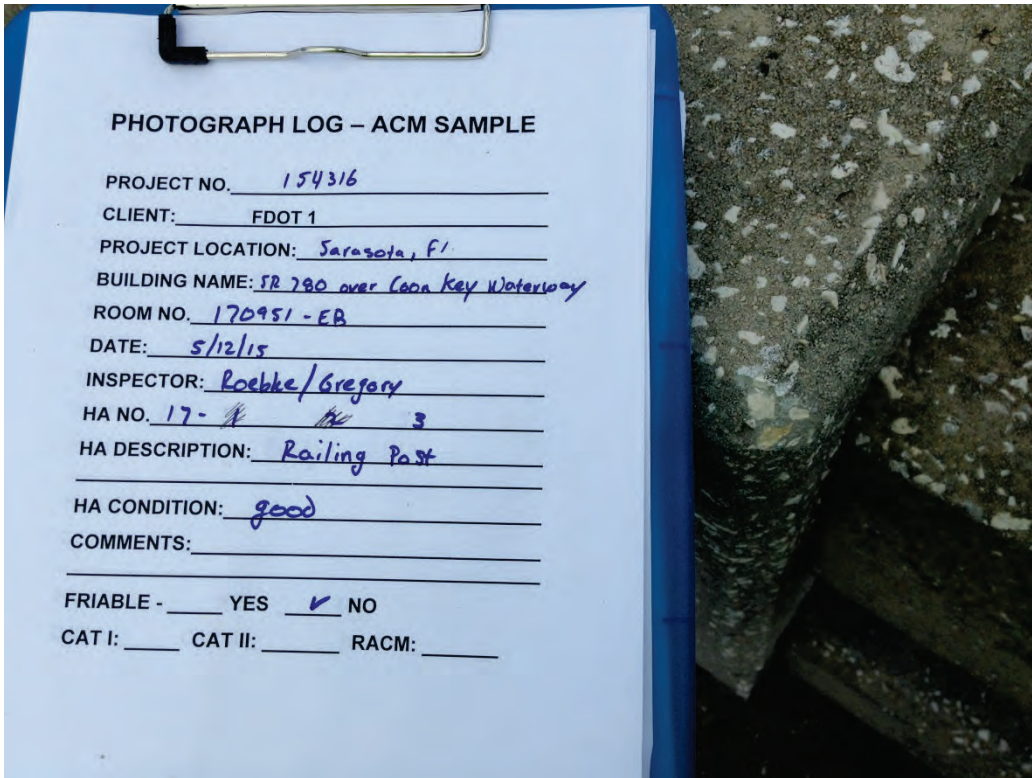


PHOTO 56 – 5/12/15 – SAMPLE 17.3 – HA 17
CONCRETE
RAILING - POST

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 1543/6
 CLIENT: FDOT 1
 PROJECT LOCATION: Sarasota, FL
 BUILDING NAME: SR 780 over Boca Key Waterway
 ROOM NO. 170951-ER
 DATE: 5/12/15
 INSPECTOR: Roebke/Gregory
 HA NO. 18-1 2 3 4 on/ac
 HA DESCRIPTION: ~~Deck Cement~~ Deck Cement
 HA CONDITION: good
 COMMENTS: _____
 FRIABLE - YES NO
 CAT I: _____ CAT II: _____ RACM: _____

\\AS\users\thomas.gregory\documents\work\asbestos field forms\acmphoto log.doc 05/12/15

**PHOTO 57 - 5/12/15 - SAMPLE 18.1 - HA 18
MORTAR
DECK**

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 1543/6
 CLIENT: FDOT 1
 PROJECT LOCATION: Sarasota, FL
 BUILDING NAME: SR 780 over Boca Key Waterway
 ROOM NO. 170951-ER
 DATE: 5/12/15
 INSPECTOR: Roebke/Gregory
 HA NO. 18-1 2 3 4 on/ac
 HA DESCRIPTION: ~~Deck Cement~~ Deck Cement
 HA CONDITION: good
 COMMENTS: _____
 FRIABLE - YES NO
 CAT I: _____ CAT II: _____ RACM: _____

**PHOTO 58 - 5/12/15 - SAMPLE 18.2 - HA 18
MORTAR
DECK**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 1543/6

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Boca Key Waterway

ROOM NO. 170957-ER

DATE: 5/12/15

INSPECTOR: Roebke/Gregory

HA NO. 18-34 on/ac

HA DESCRIPTION: Deck Cement

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

J:\c:\users\homas.gregory\documents\work\asbestos\field forms\acmphoto.log.doc 05/12/15

PHOTO 59 - 5/12/15 - SAMPLE 18.3 - HA 18
MORTAR
DECK

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO. 1543/6

CLIENT: FDOT 1

PROJECT LOCATION: Sarasota, FL

BUILDING NAME: SR 780 over Boca Key Waterway

ROOM NO. 170957-ER

DATE: 5/12/15

INSPECTOR: Roebke/Gregory

HA NO. 18-34 on/ac

HA DESCRIPTION: Deck Cement

HA CONDITION: good

COMMENTS: _____

FRIABLE - YES NO

CAT I: _____ CAT II: _____ RACM: _____

J:\c:\users\homas.gregory\documents\work\asbestos\field forms\acmphoto.log.doc 05/12/15

PHOTO 60 - 5/12/15 - SAMPLE 18.4 QA/QC - HA 18
MORTAR
DECK

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

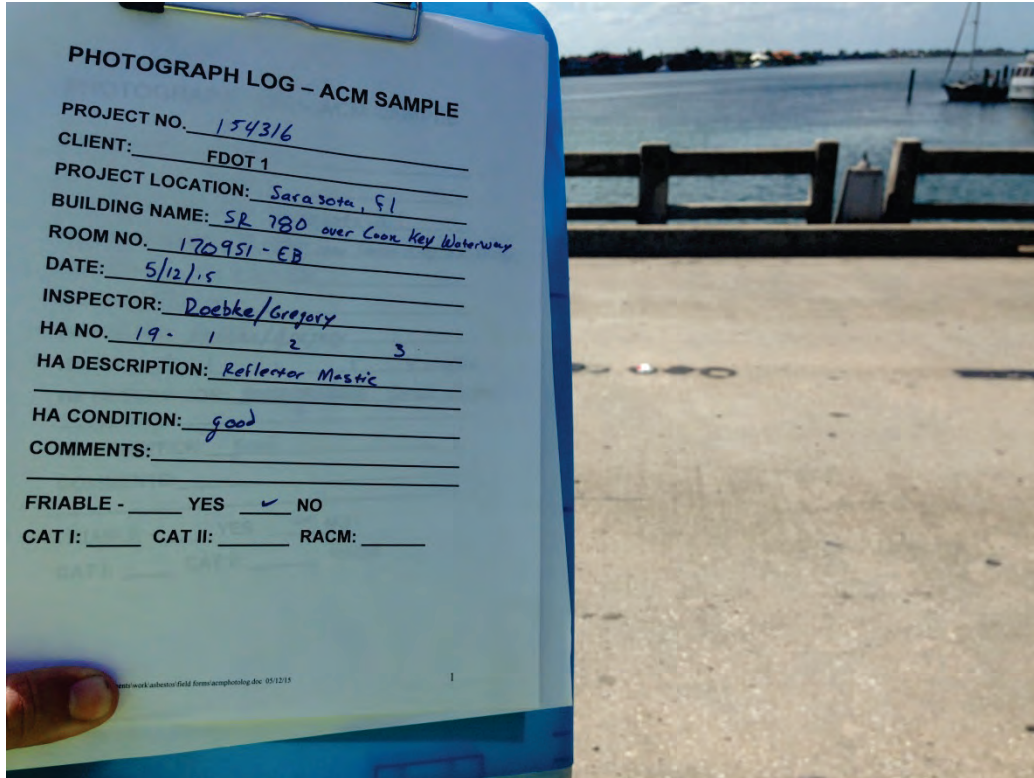


PHOTO 61 - 5/12/15 - SAMPLE 19.1 - HA 19
BLACK ADHESIVE MASTIC
UNDER REFLECTORS ON DECK

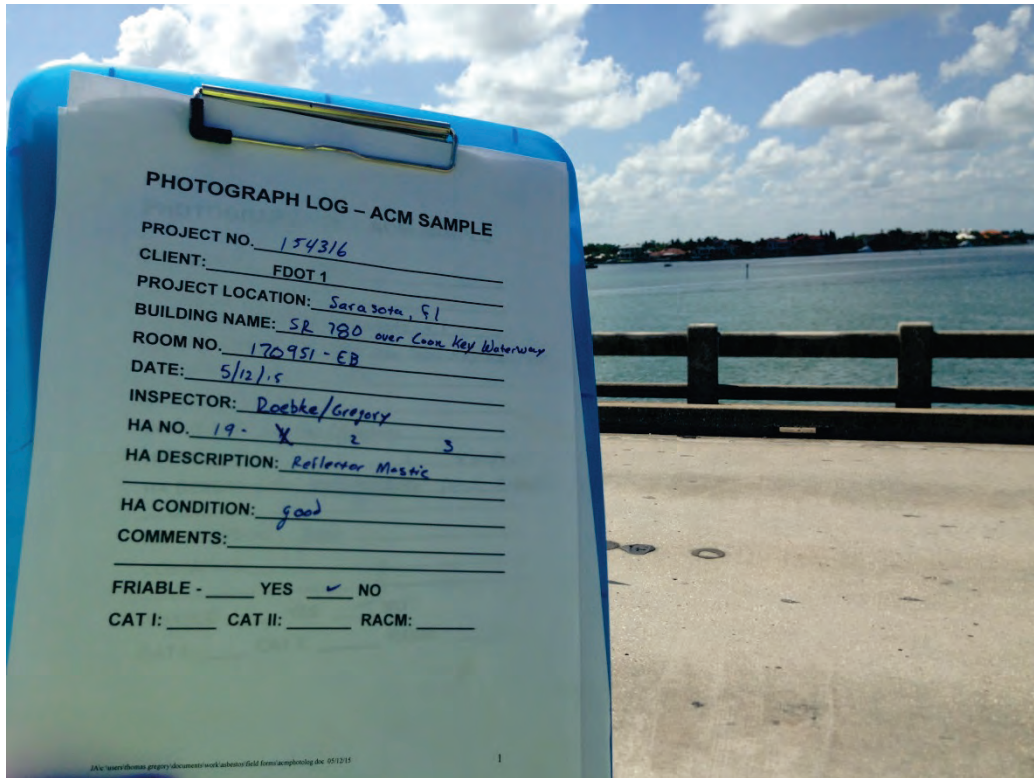


PHOTO 62 - 5/12/15 - SAMPLE 19.2 - HA 19
BLACK ADHESIVE MASTIC
UNDER REFLECTORS ON DECK

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

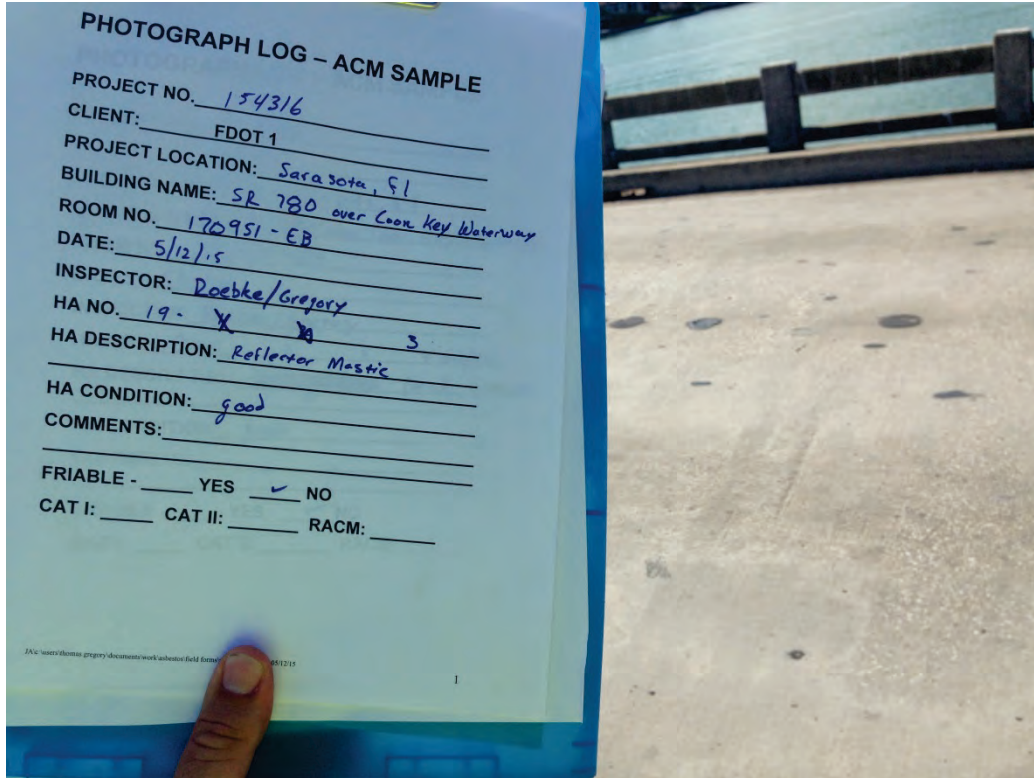
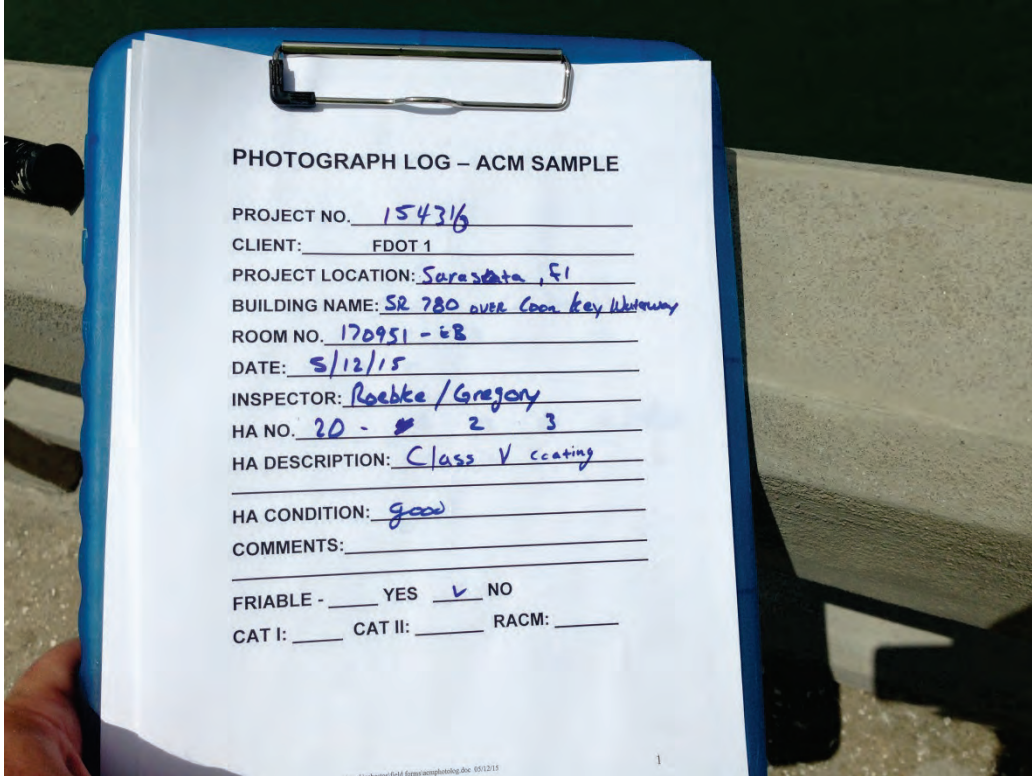


PHOTO 63 – 5/12/15 – SAMPLE 19.3 – HA 19
BLACK ADHESIVE MASTIC
UNDER REFLECTORS ON DECK

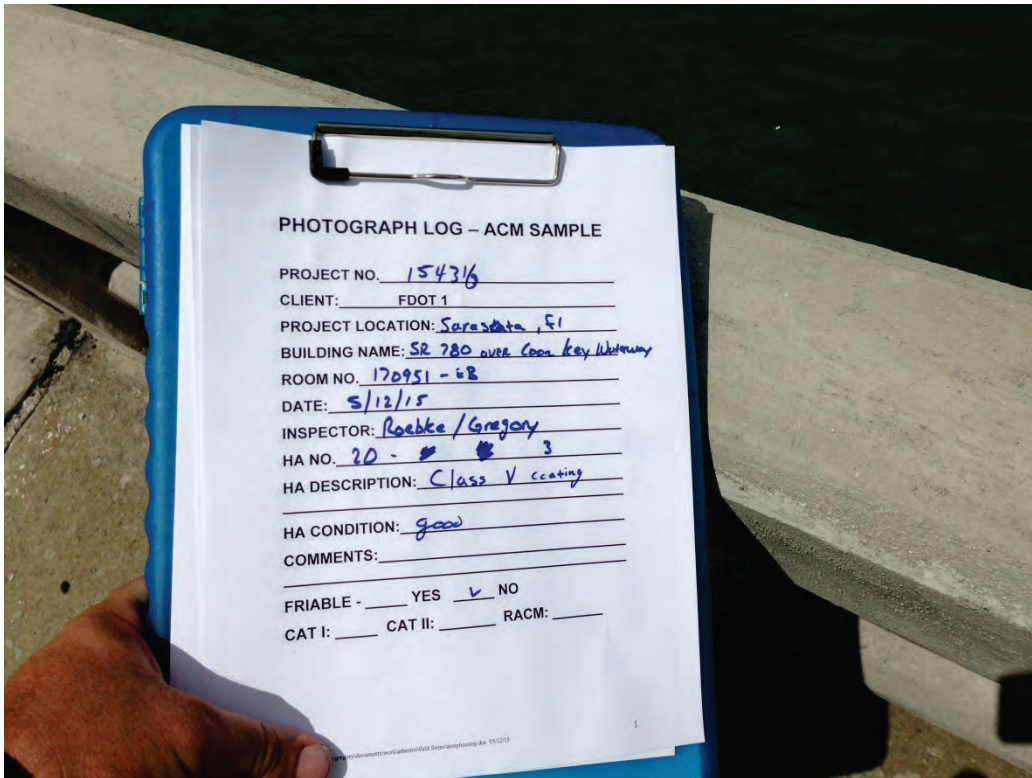


PHOTO 64 – 5/12/15 – SAMPLE 20.1 – HA 20
CLASS 5 COATING
RAILINGS

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 65 – 5/12/15 – SAMPLE 20.2 – HA 20
CLASS 5 COATING
RAILINGS**



**PHOTO 66 – 5/12/15 – SAMPLE 20.3 – HA 20
CLASS 5 COATING
RAILINGS**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

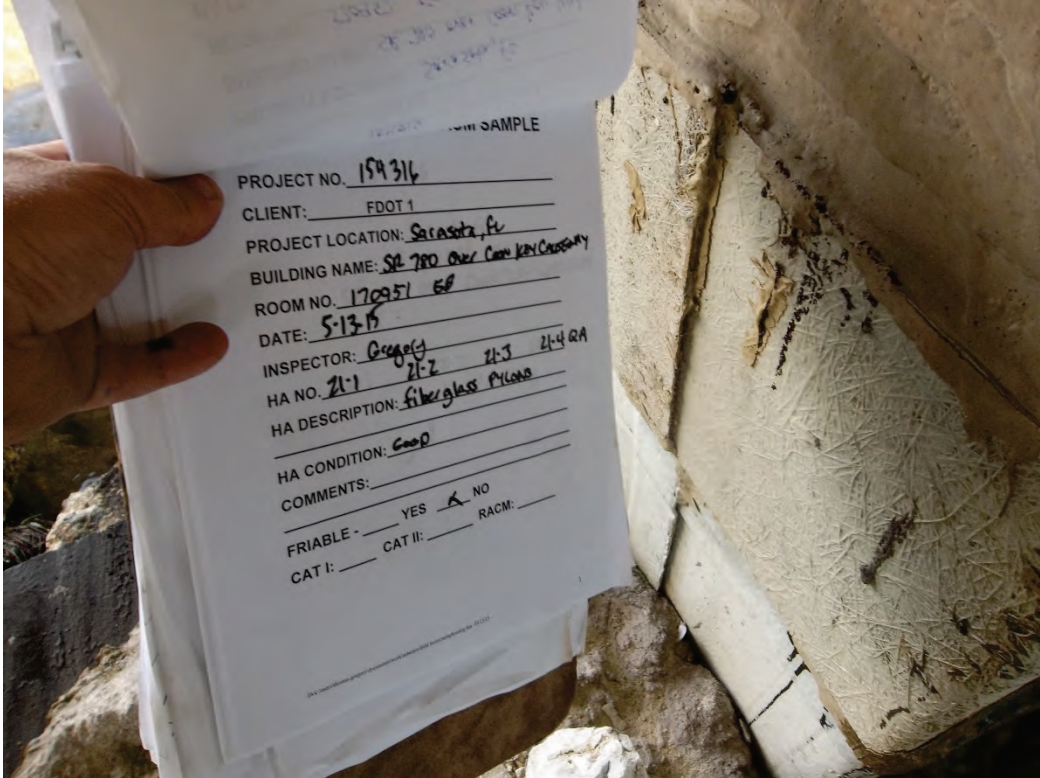


PHOTO 67 – 5/13/15 – SAMPLE 21.1 – HA 21
FIBERGLASS
PILE JACKETS

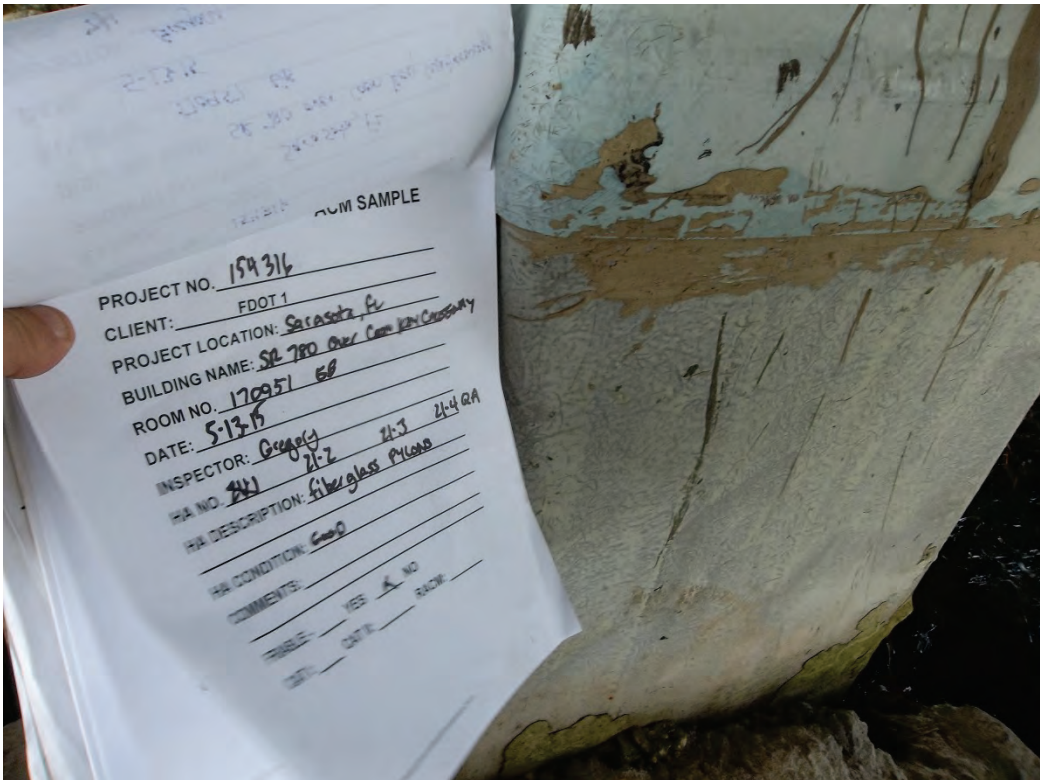
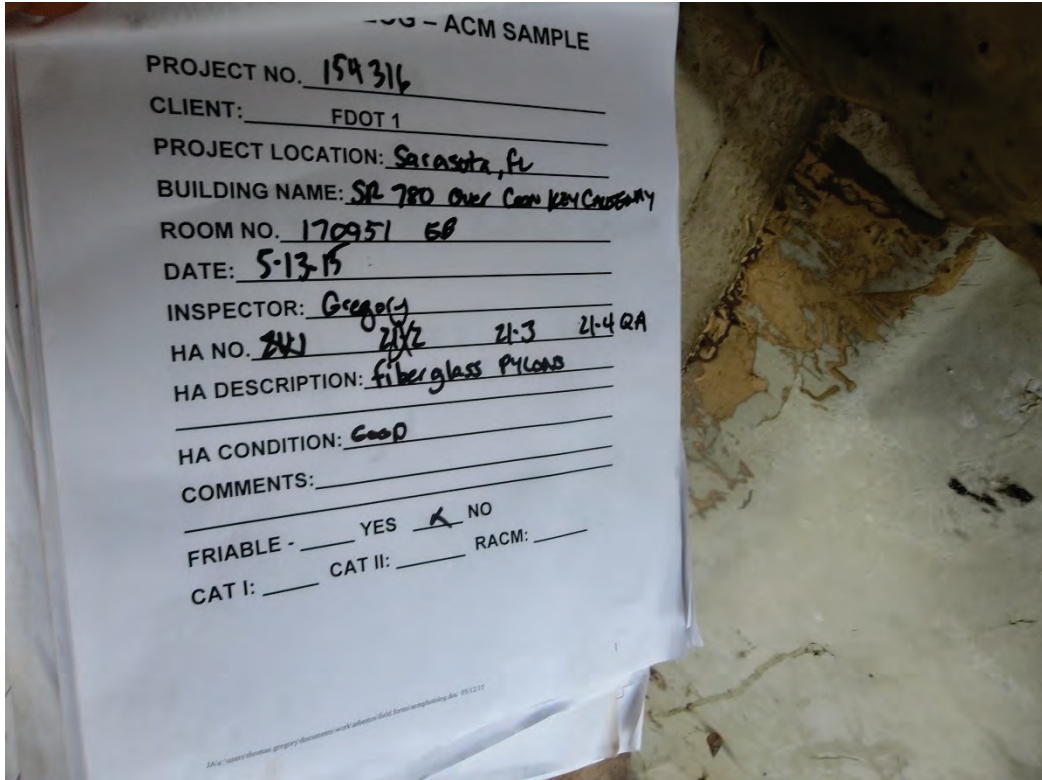
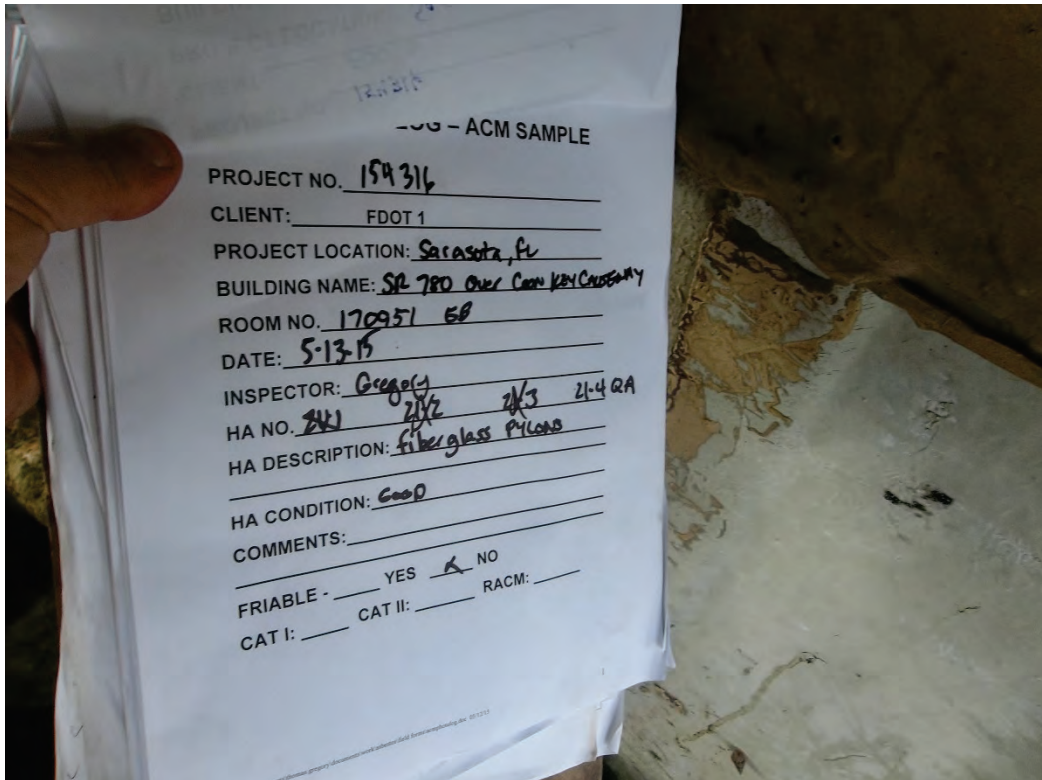


PHOTO 68 – 5/13/15 – SAMPLE 21.2 – HA 21
FIBERGLASS
PILE JACKETS

**BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG**



**PHOTO 69 – 5/13/15 – SAMPLE 21.3 – HA 21
FIBERGLASS
PILE JACKETS**



**PHOTO 70 – 5/13/15 – SAMPLE 21.4 QA/QC – HA 22
FIBERGLASS
PILE JACKETS**

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

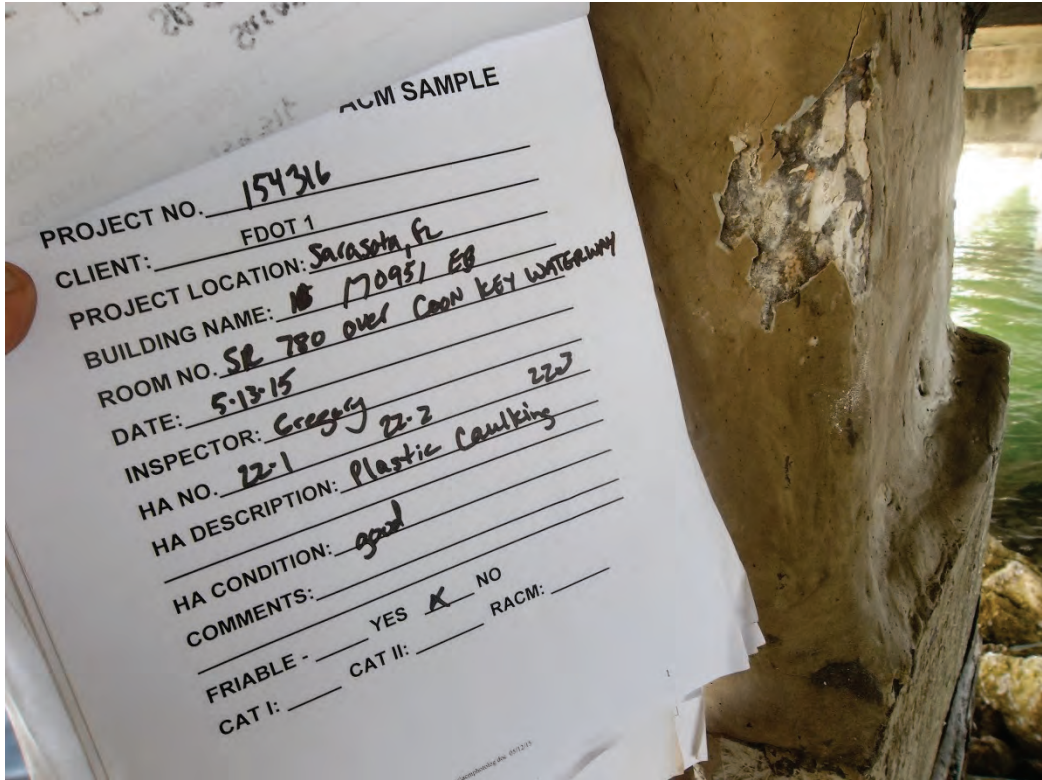


PHOTO 71 – 5/13/15 – SAMPLE 22.1 – HA 22
SEALANT (IN THE SPACE BETWEEN PILE AND PILE JACKET)
PILE JACKETS

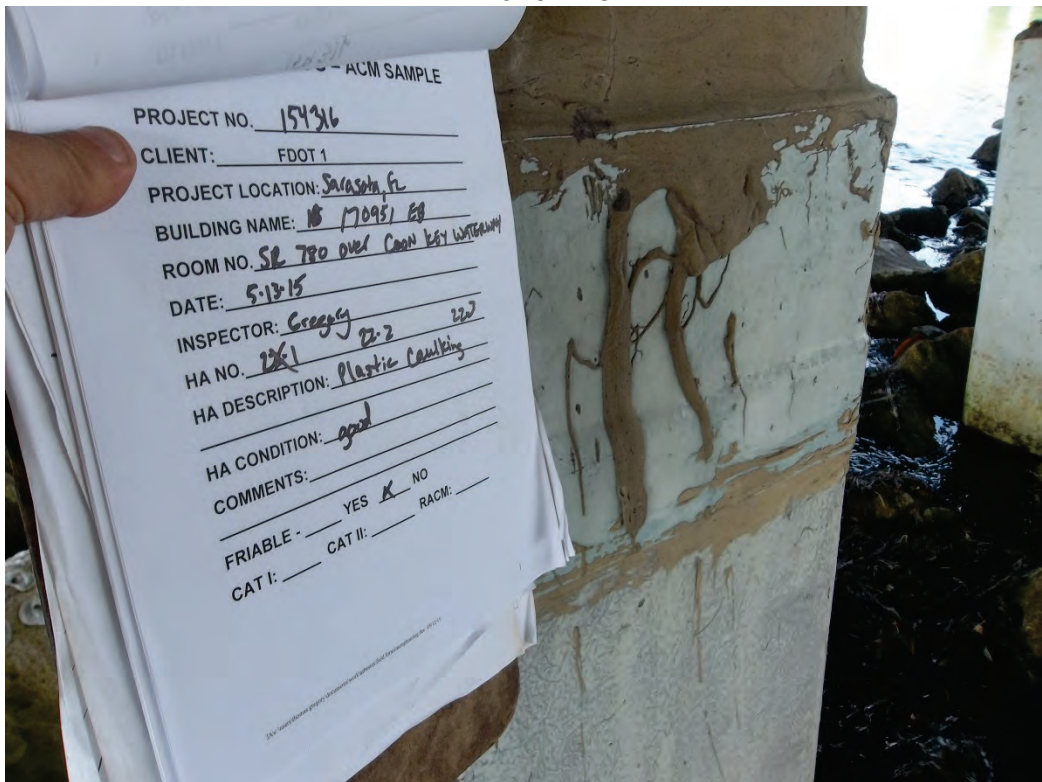


PHOTO 72 – 5/13/15 – SAMPLE 22.2 – HA 22
SEALANT (IN THE SPACE BETWEEN PILE AND PILE JACKET)
PILE JACKETS

BRIDGE 170951
ASBESTOS SURVEY PHOTO LOG

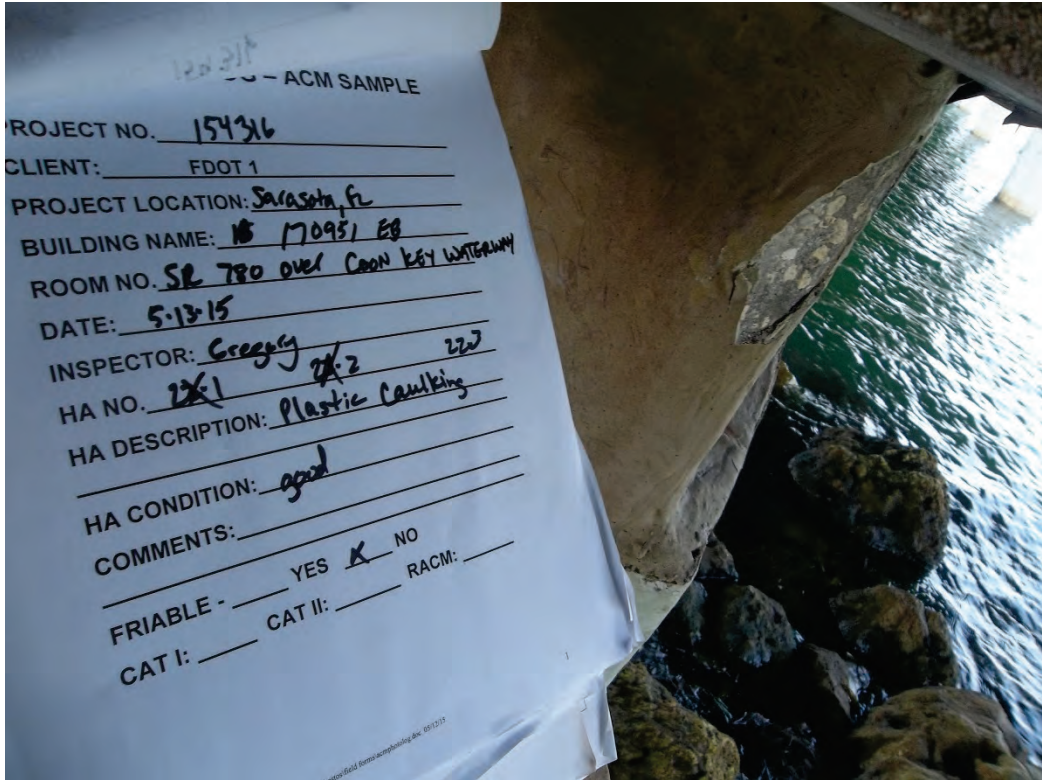


PHOTO 73 – 5/13/15 – SAMPLE 22.3 – HA 22
SEALANT (IN THE SPACE BETWEEN PILE AND PILE JACKET)
PILE JACKETS

SECTION 4

**LABORATORY ANALYTICAL DATA
AND CHAIN OF CUSTODY FORM(S)**



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

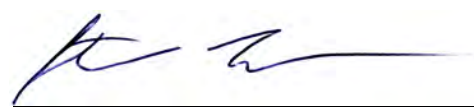
EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-1 341504827-0001	Support Piles - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
1-2 341504827-0002	Support Piles - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
1-3 341504827-0003	Support Piles - Concrete	Gray/White Non-Fibrous Heterogeneous		35% Quartz 15% Ca Carbonate 50% Non-fibrous (other)	None Detected
2-1 341504827-0004	Bent Caps - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
2-2 341504827-0005	Bent Caps - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
2-3 341504827-0006	Bent Caps - Concrete	Gray/White Non-Fibrous Heterogeneous		35% Quartz 15% Ca Carbonate 50% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com


EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-1 341504827-0007	Sea Wall - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 10% Ca Carbonate 45% Non-fibrous (other)	None Detected
3-2 341504827-0008	Sea Wall - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 10% Ca Carbonate 45% Non-fibrous (other)	None Detected
3-3 341504827-0009	Sea Wall - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
4-1 341504827-0010	Abutment Wall - Concrete	Gray/White Non-Fibrous Heterogeneous	3% Cellulose	35% Quartz 10% Ca Carbonate 52% Non-fibrous (other)	None Detected
4-2 341504827-0011	Abutment Wall - Concrete	Gray Non-Fibrous Heterogeneous		45% Quartz 10% Ca Carbonate 45% Non-fibrous (other)	None Detected
4-3 341504827-0012	Abutment Wall - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
5-1 341504827-0013	Abutment Wall - Concrete	Gray/White Fibrous Heterogeneous	3% Cellulose	45% Quartz 10% Ca Carbonate 42% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com


EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-2 341504827-0014	Abutment Wall - Concrete	Gray Non-Fibrous Heterogeneous	2% Cellulose	60% Quartz 10% Ca Carbonate 28% Non-fibrous (other)	None Detected
5-3 341504827-0015	Abutment Wall - Concrete	Gray/Tan/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
6-1 341504827-0016	End Bent - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
6-2 341504827-0017	End Bent - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
6-3 341504827-0018	End Bent - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
7-1 341504827-0019	Diaphragm - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
7-2 341504827-0020	Diaphragm - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

EMSL Order: 341504827

CustomerID: SHAW77C

CustomerPO:

ProjectID:

Attn: **Shawn Flynn**
Shaw/CB&I
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

Phone: (407) 287-3200
Fax:
Received: 05/18/15 11:00 AM
Analysis Date: 5/23/2015
Collected: 5/15/2015

Project: 1543161 Bridge 170951

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
7-3 341504827-0021	Diaphragm - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 15% Ca Carbonate 30% Non-fibrous (other)	None Detected
8-1 341504827-0022	Bearing Pads-Subgrader - Asphalt Paper	Gray/Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (other)	None Detected
8-2 341504827-0023	Bearing Pads-Subgrader - Asphalt Paper	Gray/Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (other)	None Detected
8-3 341504827-0024	Bearing Pads-Subgrader - Asphalt Paper	Red/Black Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
9-1 341504827-0025	Gliders - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
9-2 341504827-0026	Gliders - Concrete	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
9-3 341504827-0027	Gliders - Concrete	Gray/White Non-Fibrous Heterogeneous		35% Quartz 20% Ca Carbonate 45% Non-fibrous (other)	None Detected

Analyst(s)

Lindsay Karashay (22)
Manolo Hernandez (44)

Jonathan Teda, Asbestos Lab Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

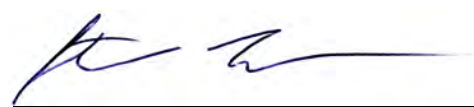
EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
10-1 341504827-0028	Gliders - Mortar	Gray Non-Fibrous Heterogeneous		60% Quartz 5% Ca Carbonate 35% Non-fibrous (other)	None Detected
10-2 341504827-0029	Gliders - Mortar	Gray Non-Fibrous Heterogeneous		60% Quartz 5% Ca Carbonate 35% Non-fibrous (other)	None Detected
10-3 341504827-0030	Gliders - Mortar	Gray Non-Fibrous Homogeneous		50% Quartz 5% Ca Carbonate 45% Non-fibrous (other)	None Detected
11-1 341504827-0031	Bearing Pads- Subdeck - Asphalt Paper	White/Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
11-2 341504827-0032	Bearing Pads- Subdeck - Asphalt Paper	White/Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
11-3 341504827-0033	Bearing Pads- Subdeck - Asphalt Paper	Brown/Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
12-1 341504827-0034	Expansion Joint - Black Rubber	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12-2 341504827-0035	Expansion Joint - Black Rubber	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

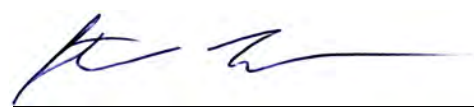
EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-3 341504827-0036	Expansion Joint - Black Rubber	Gray Fibrous Heterogeneous	2% Cellulose	2% Quartz 96% Non-fibrous (other)	None Detected
Result includes a small amount of inseparable attached material					
13-1 341504827-0037	Railing-Nail - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
13-2 341504827-0038	Railing-Nail - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
13-3 341504827-0039	Railing-Nail - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 15% Ca Carbonate 35% Non-fibrous (other)	None Detected
14-1 341504827-0040	End Cap - Concrete	Gray/Tan/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
14-2 341504827-0041	End Cap - Concrete	Gray/Tan/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
14-3 341504827-0042	End Cap - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com


EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
15-1 341504827-0043	Curb - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
15-2 341504827-0044	Curb - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
15-3 341504827-0045	Curb - Concrete	Gray/Tan/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
16-1 341504827-0046	Deck - Concrete	Gray/White Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
16-2 341504827-0047	Deck - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 10% Ca Carbonate 45% Non-fibrous (other)	None Detected
16-3 341504827-0048	Deck - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
17-1 341504827-0049	Railing-Post - Concrete	Gray/Tan Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

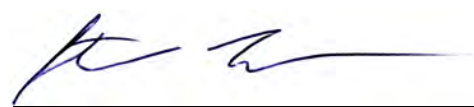
EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17-2 341504827-0050	Railing-Post - Concrete	Gray/Tan Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
17-3 341504827-0051	Railing-Post - Concrete	Gray/White Non-Fibrous Heterogeneous		45% Quartz 15% Ca Carbonate 40% Non-fibrous (other)	None Detected
18-1 341504827-0052	Deck - Mortar	Gray Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
18-2 341504827-0053	Deck - Mortar	Gray/White Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
18-3 341504827-0054	Deck - Mortar	Gray Non-Fibrous Heterogeneous		55% Quartz 10% Ca Carbonate 35% Non-fibrous (other)	None Detected
19-1 341504827-0055	Reflector - Black Adhesive Mastic	Black Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
19-2 341504827-0056	Reflector - Black Adhesive Mastic	Black Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	


Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-3 341504827-0057	Reflector - Black Adhesive Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-1 341504827-0058	Class 5 Coating - Black 5 Coating	Gray Non-Fibrous Heterogeneous	<1% Cellulose	60% Quartz 10% Ca Carbonate 30% Non-fibrous (other)	None Detected
20-2 341504827-0059	Class 5 Coating - Class 5 Coating	Gray Non-Fibrous Heterogeneous	<1% Cellulose	60% Quartz 10% Ca Carbonate 30% Non-fibrous (other)	None Detected
20-3 341504827-0060	Class 5 Coating - Class 5 Coating	Gray Non-Fibrous Heterogeneous		50% Quartz 10% Ca Carbonate 40% Non-fibrous (other)	None Detected
21-1 341504827-0061	Support Pile Protective Casing - Fiberglass	White Fibrous Heterogeneous	20% Glass	80% Non-fibrous (other)	None Detected
21-2 341504827-0062	Support Pile Protective Casing - Fiberglass	White Fibrous Heterogeneous	20% Glass	80% Non-fibrous (other)	None Detected
21-3 341504827-0063	Support Pile Protective Casing - Fiberglass	Gray/Tan/White Fibrous Heterogeneous	20% Glass	80% Non-fibrous (other)	None Detected

Inseparable paint / coating layer included in analysis

Analyst(s)
 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>

orlandolab@emsl.com

EMSL Order:	341504827
CustomerID:	SHAW77C
CustomerPO:	
ProjectID:	

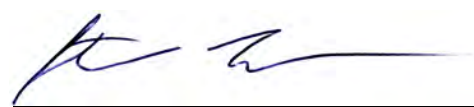
Attn: Shawn Flynn Shaw/CB&I 1228 Winter Garden Vineland Rd Winter Garden, FL 34787	Phone: (407) 287-3200 Fax: Received: 05/18/15 11:00 AM Analysis Date: 5/23/2015 Collected: 5/15/2015
Project: 1543161 Bridge 170951	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
22-1 341504827-0064	Support Pile Protective Casing - Sealant	Gray/White Non-Fibrous Heterogeneous		35% Quartz 10% Ca Carbonate 55% Non-fibrous (other)	None Detected
22-2 341504827-0065	Support Pile Protective Casing - Sealant	Gray/White Non-Fibrous Heterogeneous		20% Quartz 5% Ca Carbonate 75% Non-fibrous (other)	None Detected
22-3 341504827-0066	Support Pile Protective Casing - Sealant	Gray/White Non-Fibrous Heterogeneous	<1% Cellulose <1% Glass	30% Quartz 5% Ca Carbonate 65% Non-fibrous (other)	None Detected

Analyst(s)

 Lindsay Karashay (22)
 Manolo Hernandez (44)


 Jonathan Teda, Asbestos Lab Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 05/26/2015 08:52:00



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only)

341504827

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: <u>CB91</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>1228 Winter Garden Vineland Rd</u>		Third Party Billing requires written authorization from third party	
City: <u>Winter Garden</u>	State/Province: <u>FL</u>	Zip/Postal Code: <u>34787</u>	Country: <u>USA</u>
Report To (Name): <u>Shawn FLYNN</u>		Telephone #: <u>407-287-3000</u>	
Email Address: <u>Shawn.Flynn@epi.com</u>		Fax #: <u>407-287-3261</u>	Purchase Order:
Project Name/Number: <u>154316 / Bridge 170951</u>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PLM - Bulk (reporting limit)	TEM - Bulk
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)	<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1
<input type="checkbox"/> PLM EPA NOB (<1%)	<input type="checkbox"/> NY ELAP Method 198.4 (TEM)
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	<input type="checkbox"/> Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2
<input type="checkbox"/> NIOSH 9002 (<1%)	<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)	<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)	<u>Other</u>
<input type="checkbox"/> OSHA ID-191 Modified	<input type="checkbox"/>
<input type="checkbox"/> Standard Addition Method	

Check For Positive Stop - Clearly Identify Homogenous Group Date Sampled:

Samplers Name:

Samplers Signature:

Sample #	HA #	Sample Location	Material Description
1-1	1	Support piles	Concrete
1-2	1	support piles	Concrete
1-3	1	support piles	concrete
2-1	2	Bent caps	concrete
2-2	2	Bent caps	concrete
2-3	2	Bent caps	concrete
3-1	3	Sea wall	concrete
3-2	3	sea wall	concrete
3-3	3	sea wall	concrete
4-1	4	Abutment wall	concrete

Client Sample # (s): 1,1 - 22.3 Total # of Samples: 66

Relinquished (Client): [Signature] Date: 5-15-15 Time: 1100

Received (Lab): [Signature] Date: 5-18-15 Time: 11am

Comments/Special Instructions:



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

341504827

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
4.2	4	Abutment wall	concrete
4.3	4	Abutment wall	concrete
5.1	5	Abutment wall	mortar
5.2	5	Abutment wall	mortar
5.3	5	abutment wall	mortar
6.1	6	End bent	concrete
6.2	6	End bent	concrete
6.3	6	End bent	concrete
7.1	7	Diaphragm	concrete
7.2	7	Diaphragm	concrete
7.3	7	Diaphragm	concrete
8.1	8	Bearing pads-subgrader	asphalt paper
8.2	8	Bearing pads-subgrader	asphalt paper
8.3	8	Bearing pads-subgrader	asphalt paper
9.1	9	girders	concrete
9.2	9	girders	concrete
9.3	9	girders	concrete
10.1	10	girders	mortar
10.2	10	girders	mortar
10.3	10	girders	mortar
11.1	11	Bearing pads-subdeck	asphalt paper
11.2	11	Bearing pads-subdeck	asphalt paper
11.3	11	Bearing pads-subdeck	asphalt paper
12.1	12	Expansion joints	black rubber

*Comments/Special Instructions:



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

341504827

EMSL ANALYTICAL, INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
12.2	12	Expansion joint	black rubber
12.3	12	Expansion joint	black rubber
13.1	13	Railing - rail	concrete
13.2	13	Railing - rail	concrete
13.3	13	railing - rail	concrete
14.1	14	End cap	concrete
14.2	14	End cap	concrete
14.3	14	End cap	concrete
15.1	15	curb	concrete
15.2	15	curb	concrete
15.3	15	curb	concrete
16.1	16	Deck	concrete
16.2	16	Deck Deck	concrete
16.3	16	Deck	concrete
17.1	17	Railing - post	concrete
17.2	17	Railing - post	concrete
17.3	17	Railing - post	concrete
18.1	18	Deck	mortar
18.2	18	Deck	mortar
18.3	18	Deck	mortar
19.1	19	reflector	black adhesive mastic
19.2	19	reflector	black adhesive mastic
19.3	19	reflector	black adhesive mastic
20.1	20	Class 5 coating	Black 5 coating
*Comments/Special Instructions:			

QUALITY ASSURANCE SAMPLING

QA/QC sampling was performed in accordance with the State of Florida Asbestos Survey Procedure Manual. Four QA/QC samples (sample No. 6.4 QA/QC, No. 12.4 QA/QC, No. 18.4 QA/QC, and No. 21.4 QA/QC) were collected next to sample No. 6.3 and No. 12.3, No. 18.3 and No. 21.3 respectively. Laboratory analyses indicated that these QA/QC samples did not contain asbestos.

CERTIFICATE OF ANALYSIS

Client: Shaw Environmental Inc(CBI Co)
1228 Winter Garden Vineland Rd
Winter Garden FL 34787

Report Date: 5/23/2015
Report No.: 363771
Project: Bridge 170951
Project No.: 154316

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5629281 **Description / Location:** White/Grey Cementitious
Client No.: 6-4 QA/QC End Bent

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5629282 **Description / Location:** Grey Rubber
Client No.: 12-4 QA/QC Expansion Joint

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5629283 **Description / Location:** Grey Mortar
Client No.: 18-4 QA/QC Deck

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5629284 **Description / Location:** Off-White Fibrous
Client No.: 21-4 QA/QC Support Pile Protective Casing

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Fibrous Glass	10

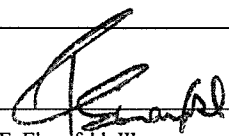
Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**
*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

Date: 5/23/2015

Chain of Custody

-Bulk Asbestos -

Contact Information

Client Company: <u>CB&I</u>	Project Number: <u>154316</u>
Office Address: <u>1228 Winter Garden Vineland Rd</u>	Project Name: <u>Bridge 170951</u>
City, State, Zip: <u>Orlando, FL 34787</u>	Primary Contact: <u>Shawn Flynn</u>
Fax Number: <u>407-287-3201</u>	Office Phone: <u>407-287-3200</u>
Email Address: <u>shawn.flynn@cbi.com</u>	Cell Phone: <u>407-832-3072</u>

PLM Instructions:

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- PLM: Point Counting
 - PC: via ELAP 198.1
 - PC: 400 Points
 - PC: 800 Points *
 - PC: 1600 Points *
- PLM: Analyze Until Positive (Positive Stop)
 - AUP: by Homogenous Area as Noted
 - AUP: by Material Type as Noted
- PLM: NOB via 198.6
 - PLM: Friable via EPA 600 2.3
 - If <1% by PLM, to TEM via 198.4 *
 - If <1% by PLM, Hold for Instructions
- PLM: Instructions for Multi-Layered Samples
 - Analyze and Report All Separable Layers per EPA 600
 - Report Composite for Drywall Systems per NESHAP
 - Report All Layers and Composite Where Applicable
 - Only Analyze and Report Specifically Noted Layer
- PLM: Non-Building Material *** (Dust, Wipe, Tape)
 - Soil or Vermiculite Analysis *
 - CARB 435

Special Instructions: _____

* Additional charge and turnaround may be required ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

Turnaround Time

Preliminary Results Requested Date: _____ Verbal Email Fax

Specific date / time

10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization): <u>Jelly</u>	Date: <u>5-15-15</u>	Time: _____
Received (Name / iATL): _____	Date: _____	Time: _____
Sample Login (Name / iATL): _____	Date: <u>5-21-15</u>	Time: _____
Analysis (Name(s) / iATL): <u>DJ 5123115</u>	Date: _____	Time: _____
QA/QC Review (Name / iATL): _____	Date: <u>5-26-15</u>	Time: _____
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____

RECEIVED

1100

MAY 18 2015

iATL - By _____

EMMAILED

Per [Signature]

SECTION 5
**CREDENTIALS FOR CONSULTANT,
INSPECTOR, AND LABORATORY**

on the name.

License Type	Name	Name Type	License Number/ Rank	Status/Expires
Asbestos Business	<u>CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.</u>	Primary	ZA317 Asbsts Business	Current 11/30/2015
Address*:	License Location	9143 PHILIPS HIGHWAY JACKSONVILLE, FL 32256-7460		
	Main Address*:	4171 ESSEN LANE BATON ROUGE, LA 70809		
Asbestos Business	<u>DAVID WARNER MOSHER</u>	DBA	ZA317 Asbsts Business	Current 11/30/2015
Address*:	License Location	9143 PHILIPS HIGHWAY JACKSONVILLE, FL 32256-7460		
	Main Address*:	4171 ESSEN LANE BATON ROUGE, LA 70809		

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER

EA0000078

The ASBESTOS CONSULTANT - ENGINEER
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2016

MOSHER, DAVID WARNER
CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
1233 FRUIT COVE DRIVE SOUTH
JACKSONVILLE FL 32259



ISSUED: 09/24/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1409240004713

Asbestos Consulting & Training Systems

40474.4963CERT/BIR

900 N.W. 5TH Avenue, Fort Lauderdale, Florida, 33311

(954) 524-7208

This is to Certify that
Thomas Gregory



X X X - X X - 4 5 3 5

1228 Winter Garden Vineyard Rd., Winter Garden, FL, 34787

has successfully completed an English

Asbestos Building Inspection Refresher

24-Oct-14 TO 24-Oct-14

Meets state requirements of FL 49-0001020/CN-0006273 and UT (6.0 core).

NDAAC Provider #451

Trainer(s): Alberto A. Ania

Training Address: 2233 Park Avenue Suite 202, Orange Park, FL, 32067

Successful course completion based on exam score on: 10/24/14

This Certificate Expires:



24-Oct-15

1 0 / 2 4 / 1 5

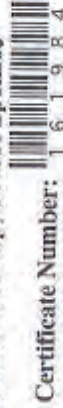
Processed By:



To Authenticate Certificate
www.seagulltraining.com
1-800-966-9933

UNRECAL AND ORIGINAL FINALTERS OF LAW FOR MAKING OR
SUBMISSION OF FALSE OR INACCURATE STATEMENTS OR
FALSIFICATIONS (18 U.S.C. 1001 AND 15 U.S.C. 2013). I CERTIFY
THAT I AM THE COURSE PROVIDER AND I AM NOT PROVIDING
REQUIREMENTS OF TITLE IN COMPLIANCE WITH ALL APPLICABLE
REGULATIONS AND PART 745 OR ANY OTHER STATE OR FEDERAL
LAW, RULES, OR REGULATIONS.

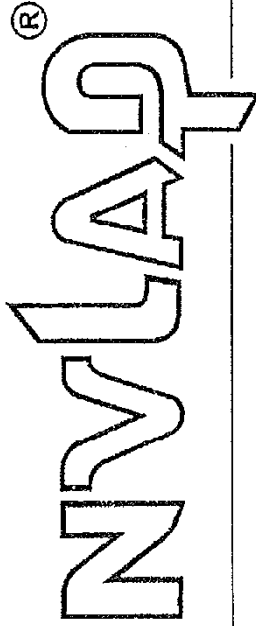
James F. Stump, Course Sponsor



Certificate Number: 161984

Course Number: JE1443

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101151-0

EMSL Analytical, Inc.
Orlando, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized international Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).



2014-07-01 through 2015-06-30
Effective dates

A handwritten signature in black ink, appearing to read "Michael R. Mello".

For the National Institute of Standards and Technology



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
5125 Adanson Street, Suite 900
Orlando, FL 32804
Dr. Bianca Cortes
Phone: 407-599-5887 Fax: 407-599-9063
E-Mail: bcortes@emsl.com
URL: <http://www.emsl.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101151-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020; Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116; Method for the Determination of Asbestos in Bulk Building Materials

2014-07-01 through 2015-06-30

Effective dates

Page 1 of 1

A handwritten signature in black ink, appearing to read "Michael R. Muel".

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101165-0

International Asbestos Testing Laboratories

Mt. Laurel, NJ

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2014-07-01 through 2015-06-30

Effective dates



A handwritten signature in black ink, appearing to read 'Michael R. Miller'.

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

International Asbestos Testing Laboratories

9000 Commerce Parkway

Suite B

Mt. Laurel, NJ 08054

Mr. Frank E. Ehrenfeld, III

Phone: 856-231-9449 Fax: 856-231-9818

E-Mail: frankehrenfeld@iatl.com

URL: <http://www.iatl.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101165-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2014-07-01 through 2015-06-30

Effective dates

For the National Institute of Standards and Technology

SECTION 6

ASBESTOS OPERATIONS AND MAINTENANCE (O&M) PLAN AND RESPONSE ACTION

**O&M PLAN AND RESPONSE ACTION
FOR
BRIDGE 170951 (LITTLE RINGLING BRIDGE, EASTBOUND)
SR 789 OVER THE COON KEY WATERWAY
SARASOTA, SARASOTA COUNTY, FLORIDA
DURING CONSTRUCTION ACTIVITIES**

Any regulated asbestos-containing material (RACM) must be abated in accordance with 40 CFR, Subpart M, Part 61.145, as stated in abatement specifications required by Chapter 255, FS and OSHA Standard 1926.58 for the construction industry, prior to demolition or renovation. RACM is identified as follows:

- Friable ACM
- Category I nonfriable ACM that has become friable
- Category I nonfriable ACM that will be or has been subject to sanding, grinding, cutting, or abrading
- Category II nonfriable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on such material

No regulated asbestos-containing materials were found at Bridge 170951 located on SR 789 over the Coon Key Waterway within the materials tested. Renovation or demolition can proceed without any asbestos containment engineering controls, and no O&M or response actions are required. However, the use of wet demolition methods is recommended.

End of Work Plan

DISCLAIMER

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

This report is the result of a limited investigation of the referenced bridge, and every attempt has been made to discover and inventory all asbestos-containing building materials (ACBM) in the structure. However, due to the limited and nondestructive nature of the inspection, it is possible that other concealed and inaccessible suspect materials may exist. Should any additional suspect ACMs be uncovered during renovation or demolition that are not listed in this report, then those materials should be sampled and submitted for analysis.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

SECTION 8

METALS-BASED PAINT SURVEY REPORT

Facility Name: Bridge 170951 (Little Ringling Bridge, Eastbound)
Along SR 789 over Coon Key Waterway

Address/Location: 1.4 miles west of US 41

City, County, State: Sarasota, Sarasota County, Florida

Owner Agency: Florida Department of Transportation, District 1

Date of Survey: May 13, 2015

Consultant: CB&I Environmental & Infrastructure, Inc.

Consultant Address: 1228 Winter Garden Vineland Road

City, State, Zip Code: Winter Garden, Florida 34787

Telephone Number: 407-287-3210



July 9, 2015

Shawn D. Flynn, P.G.
Contract Manager

METALS-BASED PAINT COATING SAMPLING REPORT

CB&I Environmental & Infrastructure, Inc., (CB&I) was retained by the Florida Department of Transportation (FDOT), District 1, to collect representative samples of the paint coating system from Bridge No. 170951, located on SR 789 over the Coon Key Waterway, in Sarasota, Sarasota County, Florida.

Introduction

CB&I collected one sample (Pile Cover Composite) of the paint coatings system from the bridge, in general accordance with the sampling procedures developed by the State Materials Office, Florida Method of Test for Sampling of Structural Steel Existing Coating Systems Designation 5-564. The sample was obtained by Thomas Gregory of CB&I on May 13, 2015, and was labeled, packaged, manifested, and transported to Xenco Laboratories in Tampa, Florida. The sample was collected from a white paint located on the fiberglass pile jackets (**Figure 1** in **Section 8**). Photographic documentation is provided in **Attachment A, Section 8**. The paint sample was a composite from four separate pile jackets along the bridge. This composite sample was laboratory analyzed for total heavy metals cadmium, chromium, lead, and the metal zinc by United States Environmental Protection Agency (EPA) Method 6010B and by the toxicity characteristic leaching procedure (TCLP) (EPA Method 6010C) for the same for metals. A copy of the laboratory analytical report is provided **Section 4**.

Sample Results

The following is a list of the paint samples collected for total metals analysis and the reported metals concentration.

		Sample ID: Pile Cover Composite
Metals	EPA Test Method	Concentration (mg/kg)
Cadmium	6010C	2.00
Chromium	6010C	54.7
Lead	6010C	51.1
Zinc	6010C	245 l

mg/kg – milligrams per kilogram

U - Compound was analyzed for but not detected at the MDL level

The composite sample above was also laboratory analyzed by the Toxicity Characteristic Leachate Procedure (TCLP) to determine whether the painted surfaces would exceed the Environmental Protection Agency (EPA) leachability limits established in 40 CFR 261.24. Exceedance of the limits established under 40 CFR 261.24 would (upon removal) classify the material as hazardous.

		Sample ID: Pile Cover Composite	Hazardous Waste Regulatory Level per CFR 261-24 (mg/L)
Metals	EPA Test Method	Concentration (mg/L)	
Cadmium	6010C	0.0010 I	1
Chromium	6010C	0.0080 IV	5
Lead	6010C	1.0570	5
Zinc	6010C	1.24	NS

mg/L – milligrams per liter

I – Reported value is between the laboratory MDL and the laboratory PQL

V – Analyte was detected in both the sample and the associated method blank

NS – No Standard

Recommendations for Personnel Health and Safety

Due to the presence of metals in the paint coating identified on the pile jackets, the contractor selected to perform the renovation or demolition of the bridge should be familiar with and comply with all parts of the Occupational Safety and Health Administration (OSHA) Construction Standard contained in 29 CFR 1926.

Since sample analysis indicates that the paint coatings present on the tested components contain metals above detectable levels, there is potential for exposure to workers. Contractors should perform renovation or demolition activities in such a way as to continue to ensure that workers on the project are not exposed to levels above the OSHA permissible exposure limits in accordance with 29 CFR Subpart Z, and to ensure that any regulated metals are not spread to uncontrolled areas.

Recommendations for Material/Waste Handling, Transportation, and Disposal

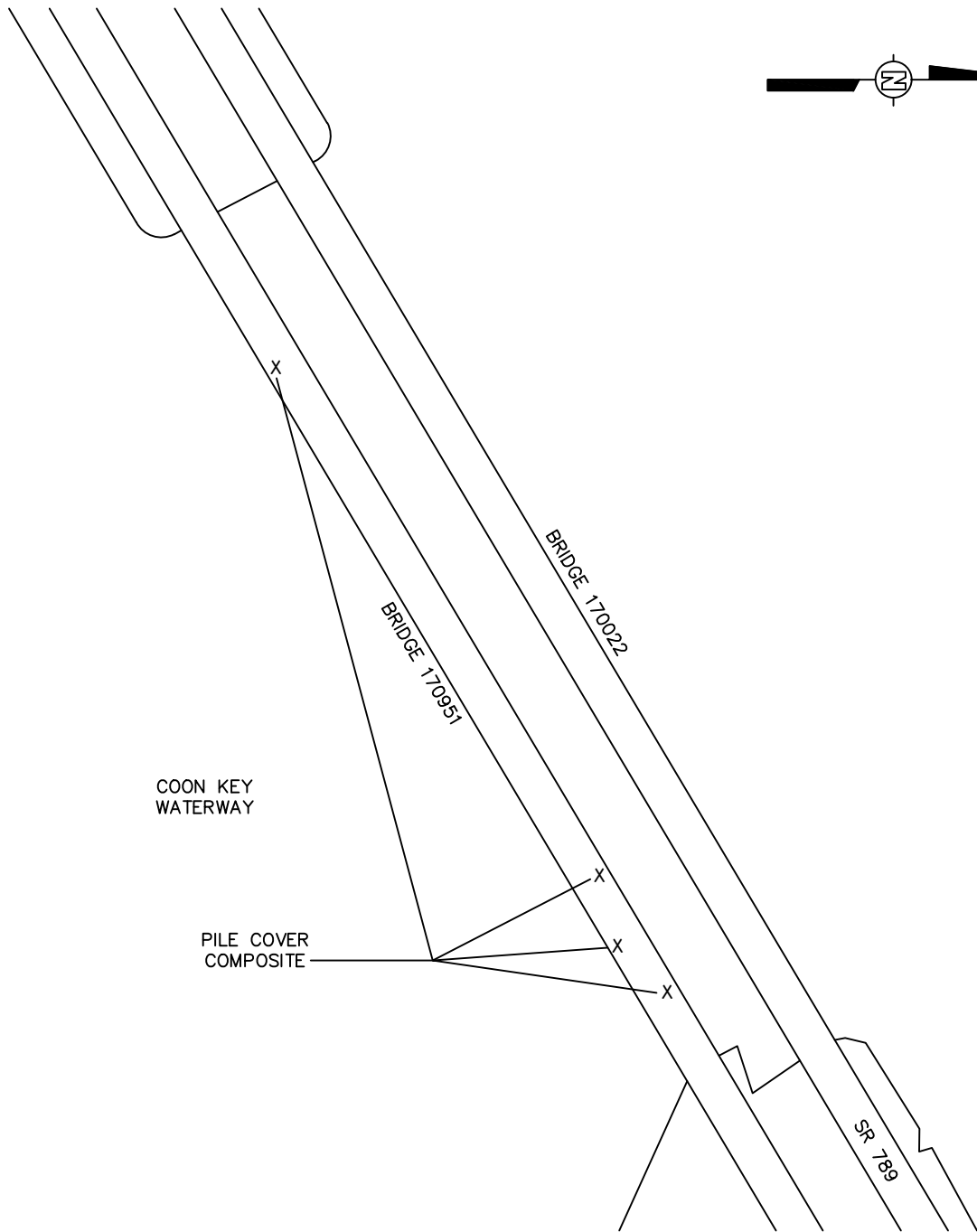
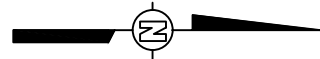
Based on the TCLP analytical results for the sampled areas, the paint waste generated from renovation or demolition of the metal span is not required to be handled as hazardous waste. However, any paint removed during construction will need to be re-analyzed as part of the waste profiling acceptance process prior to disposal.

During the removal and handling activities, the work area should be sufficiently protected from loose or falling paint chips and residue. All paint-related waste should be containerized in United States Department of Transportation (DOT) approved containers, labeled, and properly stored.

If blast media or chemicals are used during the paint removal operations, additional testing may be required. This could change the waste classification and disposal options.

In addition to the above requirements, all personnel who handle paint chips that have been removed from the metal span shall comply with all of the requirements in 40 CFR Parts 260 through 370. This includes, but is not limited to, waste handling, container labeling, transportation, and disposal.

FIGURE



NOTE:

LOCATIONS OF SAMPLE UNDER BRIDGE.
ALL SAMPLES COMPOSITED INTO ONE.

LEGEND:

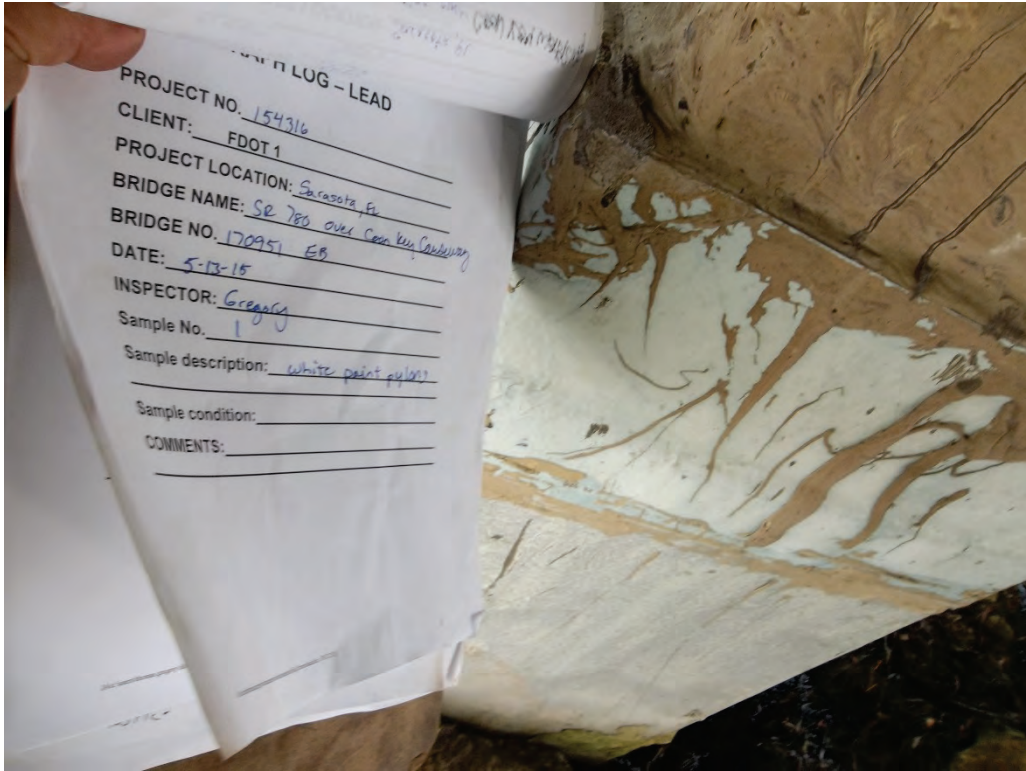
X PAINT SAMPLE LOCATION

CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC.
1228 WINTER GARDEN VINELAND ROAD
WINTER GARDEN, FLORIDA 34787
(407) 287-3200 OFFICE
(407) 287-3201 FAX

OFFICE: WINTER GARDEN	DATE: 6-10-15	ACAD FILE: 4316A5
PAINT SAMPLE LOCATION MAP MAY 13, 2015		
CLIENT:	FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT I	PM: SF
LOCATION:	BRIDGE 170951, EASTBOUND SR 789 (LITTLE RINGLING BRIDGE) over COON KEY WATERWAY SARASOTA, SARASOTA COUNTY, FLORIDA FPID No. 436545-1-C2-32	
DESIGNED: TG	DRAWN: SDJF	PROJECT NO.: 154316
		FIGURE: 1

ATTACHMENT A
PHOTOGRAPHIC LOG

BRIDGE 170951
METALS-BASED PAINT SURVEY PHOTO LOG



**PHOTO 1 – 5/13/15 – VIEW OF PILE COVER COMPOSITE PAINT SAMPLE
LOCATED ON PILE JACKETS OVER CONCRETE SUPPORT PILES**



PHOTO 2 – 5/13/15 - VIEW OF SUPPORT PILES WITH PILE JACKETS

ATTACHMENT B

**LABORATORY ANALYTICAL REPORT AND
CHAIN OF CUSTODY RECORD**

Analytical Report 507972

for

Shaw Environmental

Project Manager: Shawn Flynn

SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL

154316

18-JUN-15

Collected By: Client



6017 Financial Dr., Norcross, GA 30071

Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-14-18), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

Table of Contents

Cover Page	1
Cover Letter	3
Sample ID Cross Reference	4
Case Narrative	5
Certificate of Analysis (Detailed Report)	6
Explanation of Qualifiers (Flags)	8
Summary of Quality control	9
Chain of Custody	11
Sample Receipt Conformance Report	13

18-JUN-15

Project Manager: **Shawn Flynn**
Shaw Environmental
1228 Winter Garden Vineland Rd.
Winter Garden, FL 34787

Reference: XENCO Report No(s): **507972**
SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL
Project Address: FL

Shawn Flynn:

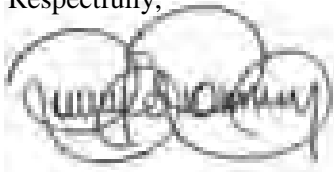
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 507972. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 507972 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Ruriko Konuma
Project Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



Sample Cross Reference 507972



Shaw Environmental, Winter Garden, FL

SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Pile Cover Composite	S	05-15-15 10:00		507972-001



CASE NARRATIVE



Client Name: Shaw Environmental

Project Name: SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL

Project ID: 154316
Work Order Number(s): 507972

Report Date: 18-JUN-15
Date Received: 05/18/2015

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Shaw Environmental, Winter Garden, FL

SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL

Sample Id: File Cover Composite	Matrix: Paint Chips	Date Received: 05.18.15 09.52
Lab Sample Id: 507972-001	Date Collected: 05.15.15 10.00	
Analytical Method: Metals, Total by SW846 6010C		Prep Method: SW3050B
Tech: 4099		% Moisture:
Analyst: 4150	Date Prep: 05.19.15 11.33	Basis: Wet Weight
Seq Number: 968527		

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Cadmium	7440-43-9	2.00	1.67	0.0667	mg/kg	05.20.15 12.44		1
Chromium	7440-47-3	54.7	16.7	0.200	mg/kg	05.20.15 12.44		1
Lead	7439-92-1	51.1	16.7	0.930	mg/kg	05.20.15 12.44		1
Zinc	7440-66-6	245	333	0.327	mg/kg	05.20.15 12.44	I	1

Shaw Environmental, Winter Garden, FL

SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL

Sample Id: File Cover Composite	Matrix: Paint Chips	Date Received: 05.18.15 09.52
Lab Sample Id: 507972-001	Date Collected: 05.15.15 10.00	
Analytical Method: TCLP RCRA Metals by SW-846 1311/6010C		Prep Method: SW3010A
Tech: 4099		% Moisture:
Analyst: ABA	Date Prep: 05.20.15 15.56	
Seq Number: 968619		

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Cadmium	7440-43-9	0.00100	0.0100	0.000600	mg/L	05.21.15 13.28	I	1
Chromium	7440-47-3	0.00800	0.100	0.000600	mg/L	05.21.15 13.28	VI	1
Lead	7439-92-1	0.0570	0.0200	0.00660	mg/L	05.21.15 13.28		1
Zinc	7440-66-6	1.24	0.200	0.00180	mg/L	05.21.15 13.28		1

FLORIDA flagging criteria

Data were reviewed by the
Department Supervisor and QA Director

- A** Value reported is the mean (average) of two or more determinations.
- B** Results based upon colony counts outside the acceptable range.
- J** Estimated value; value not accurate. All results with a "J" qualifier require comment.
 - J1: Surrogate Recoveries exceed established QA/QC Limits
 - J2: No known QA/QC exists.
 - J3: Reported value failed to meet established QA/QC limits or the sample matrix interfered with the ability to make an accurate determination
 - J4: The data is questionable due to improper laboratory or field protocols
- Q** Sample held beyond the accepted holding time
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Compound was analyzed for but not detected at the MDL Level.
- V** Analyte was detected in both the sample and the associated method blank.
- Y** Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- I** The reported value is between the laboratory MDL and the laboratory PQL.
- R** Significant rain in the past 48 hours.
- +** NELAC certification not offered for this compound.
- *** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

4143 Greenbriar Dr, Stafford, TX 77477
9701 Harry Hines Blvd, Dallas, TX 75220
5332 Blackberry Drive, San Antonio TX 78238
2505 North Falkenburg Rd, Tampa, FL 33619
12600 West I-20 East, Odessa, TX 79765
6017 Financial Drive, Norcross, GA 30071
3725 E. Atlanta Ave, Phoenix, AZ 85040

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

Shaw Environmental

SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 968527

MB Sample Id: 692735-1-BLK

Matrix: Solid

LCS Sample Id: 692735-1-BKS

Prep Method: SW3050B

Date Prep: 05.19.15

LCSD Sample Id: 692735-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Cadmium	<0.0200	100	89.7	90	97.1	97	75-125	8	20	mg/kg	05.20.15 12:21	
Chromium	<0.0600	100	92.9	93	100	100	75-125	7	20	mg/kg	05.20.15 12:21	
Lead	0.530	100	89.9	90	97.6	98	75-125	8	20	mg/kg	05.20.15 12:21	
Zinc	3.62	100	102	102	101	101	75-125	1	20	mg/kg	05.20.15 12:21	

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 968527

Parent Sample Id: 507861-002

Matrix: Liquid

MD Sample Id: 507861-002 D

Prep Method: SW3050B

Date Prep: 05.19.15

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Cadmium	1.43	1.26	13	20	mg/kg	05.20.15 12:33	
Chromium	40.6	37.7	7	20	mg/kg	05.20.15 12:33	
Lead	23100	24100	4	20	mg/kg	05.20.15 12:33	
Zinc	155	150	3	20	mg/kg	05.20.15 12:33	

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 968527

Parent Sample Id: 507861-002

Matrix: Liquid

MS Sample Id: 507861-002 S

Prep Method: SW3050B

Date Prep: 05.19.15

MSD Sample Id: 507861-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Cadmium	1.43	90.9	81.2	88	88.0	91	75-125	8	20	mg/kg	05.20.15 12:34	
Chromium	40.6	90.9	105	71	117	80	75-125	11	20	mg/kg	05.20.15 12:34	J
Lead	23100	90.9	23500	440	24900	1891	75-125	6	20	mg/kg	05.20.15 12:34	J
Zinc	155	90.9	189	37	260	110	75-125	32	20	mg/kg	05.20.15 12:34	J

Analytical Method: TCLP RCRA Metals by SW-846 1311/6010C

Seq Number: 968619

MB Sample Id: 692821-1-BLK

Matrix: Water

LCS Sample Id: 692821-1-BKS

Prep Method: SW3010A

Date Prep: 05.20.15

LCSD Sample Id: 692821-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Cadmium	<0.000600	2.00	2.04	102	1.98	99	80-120	3	20	mg/L	05.21.15 12:30	
Chromium	0.00240	2.00	2.04	102	1.97	99	80-120	3	20	mg/L	05.21.15 12:30	
Lead	<0.00660	2.00	2.07	104	2.01	101	80-120	3	20	mg/L	05.21.15 12:30	
Zinc	0.00240	2.00	2.03	102	1.97	99	80-120	3	20	mg/L	05.21.15 12:30	



Shaw Environmental

SR 780 Over Coon Key Causeway - Bridge 170951 Sarasota, FL

Analytical Method: TCLP RCRA Metals by SW-846 1311/6010C

Seq Number: 968619

Matrix: Solid

Prep Method: SW3010A

Date Prep: 05.20.15

Parent Sample Id: 507861-001

MD Sample Id: 507861-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Cadmium	0.0162	0.0162	0	20	mg/L	05.21.15 12:35	
Chromium	0.00280	0.00180	43	20	mg/L	05.21.15 12:35	JI
Lead	0.0248	0.0192	25	20	mg/L	05.21.15 12:35	JI
Zinc	0.140	0.137	2	20	mg/L	05.21.15 12:35	I

Analytical Method: TCLP RCRA Metals by SW-846 1311/6010C

Seq Number: 968619

Matrix: Solid

Prep Method: SW3010A

Date Prep: 05.20.15

Parent Sample Id: 507861-001

MS Sample Id: 507861-001 S

MSD Sample Id: 507861-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Cadmium	0.0162	2.00	1.94	96	2.03	101	80-120	5	20	mg/L	05.21.15 12:37	
Chromium	0.00280	2.00	1.95	97	2.04	102	80-120	5	20	mg/L	05.21.15 12:37	
Lead	0.0248	2.00	1.98	98	2.06	102	80-120	4	20	mg/L	05.21.15 12:37	
Zinc	0.140	2.00	2.06	96	2.16	101	80-120	5	20	mg/L	05.21.15 12:37	


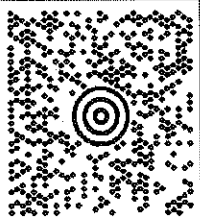
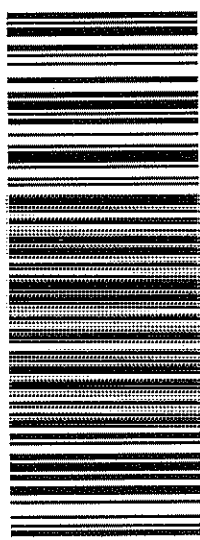

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
3. **GETTING YOUR SHIPMENT TO UPS**
UPS locations include the UPS Store®, UPS drop boxes, UPS customer centers, authorized retail outlets and UPS drivers.
 Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
 Hand the package to any UPS driver in your area.
 Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot® or Staples®) or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

Customers with a Daily Pickup

Your driver will pickup your shipment(s) as usual.

FOLD HERE

WINTER GARDEN 407-287-3215 WINTER GARDEN 63V814 1228 WINTER GARDEN VINELAND RO WINTER GARDEN FL 34787 SHIP TO: XENCO LABORATORIES, LLC 7704498800 6017 FINANCIAL DRIVE NORCROSS GA 30071-2925	1 LBS PAK 1 OF 1 GA 300 9-05  	UPS NEXT DAY AIR 1 TRACKING #: 1Z 63V 814 24 9694 3545 	BILLING: P/P SIGNATURE REQUIRED Reference: 00501.154316.4701.99999995 Sender: Thomas Gregory  <small>WINTER70 63.0A 04/2015 CS 17.2.07</small>
--	---	--	--

Client: Shaw Environmental

Date/ Time Received: 05/18/2015 09:52:00 AM

Work Order #: 507972

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	N/A
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	N/A
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	No
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A
#21 <2 for all samples preserved with HNO ₃ , HCL, H ₂ SO ₄ ? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	N/A
#22 >10 for all samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:



Dario Lagunas

Date: 05/18/2015

Checklist reviewed by:



Ruriko Konuma

Date: 05/18/2015

DISCLAIMER

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

**CSER
APPENDIX F**

CSER Appendix F
Current Land Use Summary and Risk Assessment
SR 789 MP 1.206 (Bird Key Drive) to MP 1.947 (Sarasota Harbor West)

CSER Site ID No.	EDR No.	Owner or Business	Street Address	Potential Contaminant	Facility ID No.	Database Listing(s)	Distance & Direction from Corridor	Description and Commentary	Risk
1	--	Jack Graham, Inc.	2 Marina Plaza	Undetermined	58-64182742	-- --	1.1 miles east	No listings or documents in Oculus database	No
2	--	Sarasota Co.	Bird Key Park	Vehicle fluids	-- --	-- --	MP 1.206	Parking area along north side of Bird Key. Photo 2	No
3	--	FDOT	SR 789 Bridge Photo 3	-- --	-- --	-- --	MP 1.416 to 1.583 (est)	Twin span of SR 789, the replacement of which is a key element of this project.	Medium
4	--	FDOT	SR 789 Sidewalks Photo 4 Photo 8	-- --	-- --	-- --	MP 1.583	Sidewalk improvements underway along north and south sides of SR 789 for the length of Coon Key	No
5	--	East	Sarasota Harbor Photo 5	-- --	-- --	-- --	MP 1.583 (est) to MP 1.947	Northwest side of project corridor. Eight (8) Three-story condominiums that include three (3) entries from SR 789.	No
		Sarasota Harbor		-- --	-- --	-- --			
		West		-- --	-- --	-- --			

Current Land Use Summary and Risk Assessment

CSER Site ID No.	EDR No.	Owner or Business	Street Address	Potential Contaminant	Facility ID No.	Database Listing(s)	Distance & Direction from Corridor	Description and Commentary	Risk
6	1	Sarasota Yacht Club (SYC)	1100 John Ringling Blvd Photo 6	Petroleum	58-8516507	UST LUST Fin. Assure	MP 1.583 to MP 1.706 (est)	South side of SR 789; facility currently in compliance. See Note No. 1	Low
7	2	Plymouth Harbor on Sarasota Bay	700 John Ringling Blvd Photo 7	Petroleum	58-9500095	UST AST Asbestos Fin. Assure NPDES	MP 1.831 (est)	South side of SR 789; no reported historical discharges. Facility currently in compliance	Low
9	3	Harris res.	243 Robin Dr	Petroleum	58-9401473	UST LUST	1,300 feet SE of MP 1.221	300-gal home heating fuel oil tank installed in May 1994. Leak (found in 2000?) Remediated and abandoned / closed. See Note No. 1	No
---	---	Foxy Lady (fmr Chevron)	481 John Ringling Blvd	Petroleum	58-9700801	Not in EDR	0.3-mile west	Gasoline & Diesel release June 1997. Comments to TSAR dated May 2020. See Note No. 1	No
---	---	(former) Exxon	1 N. Blvd of Presidents	Petroleum	58-8520819	Not in EDR	0.4-mile west	Gasoline release dated January 1991. See Note No. 1	No

Notes: Select documents obtained through the FDEP Citizen's Portal (Oculus) are included in **Appendix B**.

Current Land Use Summary and Risk Assessment

Summary

Risk	Number of Sites
No	7
Low	2
Medium	1
High	0

Based on the proximity of the UST at SYC and the AST at Plymouth Harbor to the Project Corridor, neither facility represents a risk to soil and/or groundwater quality along the project corridor with any real sense of practicality. **Assessed Risk: LOW**

The twin 2-lane concrete bridges that are each about 1,010-feet long are identified as representing a **MEDIUM** risk to environmental quality along the project corridor.

**CSER
APPENDIX G**



Photo 1: Project Area - Aerial View (dated January 2019).

Red arrows show extent of Project Corridor

Red Line = 1,000 feet



Photo 2A: Parking Area at Bird Key Park – CSER Site #1. View toward northeast.



Photo 2B: Parking Area at Bird Key Park – CSER Site #1. View toward southwest.



Photo 3A: Sidewalk Construction Area – CSER Site #2.



Photo 3B: Sidewalk Construction Area – CSER Site #2.



Photo 3C: Sidewalk Construction Area – CSER Site #2.



Photo 4A: Sarasota Harbor East condominiums – CSER Site #3.



Photo 4B: Entrance into Sarasota Harbor West condominiums (MP 1.947) – CSER Site #3.

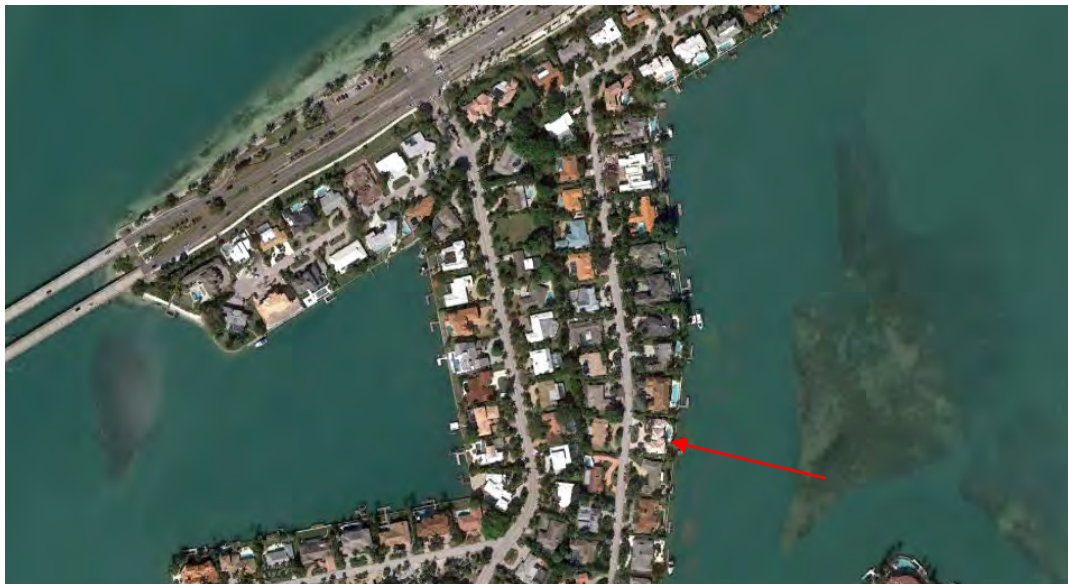


Photo 5A: Harris Residence – CSER Site #4. Aerial of 243 Bird Drive (red arrow).



Photo 5B: Harris Residence – CSER Site #4. 243 Bird Drive.



Photo 6A: Bridge # 170022 – CSER Site #5. View is Southbound.



Photo 6B Bridge # 170022 – CSER Site #5.



Photo 6C: Bridge # 170951 – CSER Site #5. View is northbound.



2006

Red arrow shows location of former UST's



2009

Under demolition and re-construction



2019 (most recent available)

Location of UST's shown with red oval

Photo 7A: Aerial photos of Sarasota Yacht Club (SYC) – CSER Site #6.

Source: Google Earth



Photo 7B: Entrance into Sarasota Yacht Club – CSER Site #6.



Photo 7C: Sarasota Yacht Club – CSER Site #6.
Location of present-day UST's shown with red oval.



Photo 8A: Plymouth Harbor Retirement Community – CSER Site #7.



Photo 8B: Plymouth Harbor Retirement Community – CSER Site #7. View is northeast.



Source: Google Earth, dated Jan 2019

Photo 8C: Plymouth Harbor Retirement Community – CSER Site #7.
Location of 8,000-gallon AST (red oval)



Photo 8D: Plymouth Harbor Retirement Community – CSER Site #7.
Overview of exit from Plymouth Harbor onto and across SR 789.