

April 1, 2024

Mr. Jason Coite, P.E.
Principal Engineer
Division of Environmental Compliance
Bureau of Engineering and Construction
State of Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

Attention: Michael Bedson, P.E. / Mandy Socolosky

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 10.04-02 (23)
HazMat Inspection – Removal of Bridge No. 04671, Carroll Road over the
Patchaug River, Griswold, CT
ConnDOT Assignment No. 524-7974
ConnDOT Project No. 57-121
TRC Project No. 501871.7974.0710

Dear Mr. Coite:

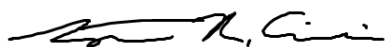
TRC performed a limited hazardous materials site investigation associated with the removal of Bridge No. 04671, Carroll Road over the Patchaug River in Griswold, Connecticut. Results of the survey identified lead paint on the railing support, cable guardrail and guardrail metal bridge components to be impacted at Bridge No. 04671. Results obtained from TCLP waste stream sampling and analysis for leachable lead from the paint on the railing support, cable guardrail and guardrail metal bridge components characterized the paint waste stream as **CTDEEP/RCRA hazardous waste**. No detectable amounts of lead in paint were identified on the concrete parapet wall/curb paint, therefore any paint waste generated from those bridge components would be non-hazardous, non-RCRA lead waste. Off-white remnant railing support caulk, tan stone abutment mortar, and grey textured parapet wall skim coat were sampled and found to contain no detectable amounts of asbestos. No bird/pigeon guano accumulations, bloodborne pathogen (BBP) concerns or other hazardous/regulated items were observed in accessible areas of Bridge No. 04671.

XRF Lead Summary Table, associated laboratory data, TRC Mobile Data Solutions Report, and the project location map are attached.

If you have any questions, please call TRC at (860) 298-9692.

Very Truly Yours,

TRC



Stephen R. Arienti, CHMM
Senior Project Manager – Engineer in Charge



Erik R. Plimpton, P.E., CHMM, CMC
Vice President – Engineer in Charge



Lead Based Paint Measurement Summary Table

Device(s) : Niton XLP301-A (Serial #22323) X Ray Fluorescence (XRF) Spectrum Analyzer
 Client : ConnDOT
 Site : Bridge #04671, Carroll Road over Patchaug River, Griswold, CT
 Project # : 501871.7974.0710
 Date(s) : 3/6/2024
 Inspector : Andrew Smith

Number	Location	Bridge No.	Structure	Material	Color	Condition	Reading (mg/cm ²)	Precision (mg/cm ²)	Depth Index	Duration (sec)	Date/Time
1	Shutter Calibration						5.8	0.0		70.1	3/6/2024 10:33
2	Calibration						0.0	0.0	1.0	3.79	3/6/2024 10:34
3	Calibration						1.7	0.2	1.23	5.08	3/6/2024 10:35
4	Calibration						0.7	0.1	1.11	3.79	3/6/2024 10:35
5	Exterior	bridge 04671	railing	Metal	Grey	Defective	4.7	0.4	1.51	5.49	3/6/2024 10:38
6	Exterior	bridge 04671	railing	Metal	Grey	Defective	4.2	0.8	1.58	2.97	3/6/2024 10:39
7	Exterior	bridge 04671	railing	Metal	Grey	Defective	4.6	0.9	1.71	2.97	3/6/2024 10:39
8	Exterior	bridge 04671	railing	Metal	Grey	Defective	4.1	0.9	1.6	2.53	3/6/2024 10:40
9	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	2.11	3/6/2024 10:42
10	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	4.24	3/6/2024 10:42
11	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	2.53	3/6/2024 10:42
12	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	3.79	3/6/2024 10:43
13	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	2.96	3/6/2024 10:43
14	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.13	3.79	3/6/2024 10:43
15	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	8.4	3/6/2024 10:45
16	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	9.75	3/6/2024 10:45
17	Exterior	bridge 04671	parapit wall	Concrete	Grey	Defective	0.0	0.0	1.0	7.2	3/6/2024 10:46
18	Exterior	bridge 04671	parapit wall w	Concrete	White	Defective	0.0	0.0	1.0	8.46	3/6/2024 10:48
19	Exterior	bridge 04671	parapit wall w	Concrete	White	Defective	0.0	0.0	5.1	9.72	3/6/2024 10:48
20	Exterior	bridge 04671	parapit wall w	Concrete	White	Defective	0.0	0.0	2.73	8.04	3/6/2024 10:49
21	Exterior	bridge 04671	railing	Metal	Grey	Defective	0.2	0.1	1.87	5.91	3/6/2024 11:09
22	Exterior	bridge 04671	railing	Metal	Grey	Defective	4.0	0.4	1.52	5.95	3/6/2024 11:09
23	Exterior	bridge 04671	guard rail	Metal	Grey	Intact	0.2	0.1	2.68	14.44	3/6/2024 11:18
24	Calibration						0.0	0.0	1.0	3.8	3/6/2024 11:31
25	Calibration						1.7	0.2	1.24	5.09	3/6/2024 11:32
26	Calibration						0.6	0.2	1.0	2.55	3/6/2024 11:32

Client: Mr. Stephen Arienti
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 24C0320

Report Date: March 13, 2024
Project: ConnDOT Bridge 04671, Griswold
Project Number: 501871.XXXX.0710

CET # : 24C0320

Project: ConnDOT Bridge 04671, Griswold

Project Number: 501871.XXXX.0710

SAMPLE SUMMARY

The sample(s) were received at 2.3°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01	24C0320-01	Paint Chip	3/06/2024 9:43	03/11/2024
02	24C0320-02	Paint Chip	3/06/2024 9:56	03/11/2024

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3051A

Matrix: Paint Chip

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
24C0320-02	02	ND	0.10	%	1	BC41308	03/13/2024	03/13/2024 12:15	

Analyte: TCLP Lead [EPA 6020A]

Analyst: EAS

Prep: EPA 3005A-1311

Matrix: Extract

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
24C0320-01	01	16	0.013	mg/L	1	BC41317	03/13/2024	03/13/2024 13:10	

CET # : 24C0320

Project: ConnDOT Bridge 04671, Griswold

Project Number: 501871.XXXX.0710

QUALITY CONTROL SECTION

Batch BC41308 - EPA 6010C

Analyte	Result (%)	RL (%)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BC41308-BLK1)					Prepared: 3/13/2024 Analyzed: 3/13/2024				
Lead	ND	0.10							

CET # : 24C0320

Project: ConnDOT Bridge 04671, Griswold

Project Number: 501871.XXXX.0710

Batch BC41317 - EPA 6020A

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BC41317-BLK1)					Prepared: 3/13/2024 Analyzed: 3/13/2024				
Lead	ND	0.013							
LCS (BC41317-BS1)					Prepared: 3/13/2024 Analyzed: 3/13/2024				
Lead	0.192	0.013	0.200		96.1	80 - 120			

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration Batch	An analytical standard analyzed with each set of samples to verify initial calibration of the system. Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate Result	Result from the duplicate analysis of a sample. Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

CET # : 24C0320

Project: ConnDOT Bridge 04671, Griswold

Project Number: 501871.XXXX.0710

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Jeffrey Smith

David Ditta
Laboratory Director

Project Manager

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Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- + - The Surrogate was diluted out.
- *C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- *C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- *F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- *F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- *I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET # : 24C0320

Project: ConnDOT Bridge 04671, Griswold

Project Number: 501871.XXXX.0710

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 6010C in Solid</i>	
Lead	CT,NY,PA
<i>EPA 6020A in Water</i>	
Lead	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
NY	New York Certification (NELAC)	11982	04/01/2024
PA	Pennsylvania DEP	68-02927	05/31/2024



24C0320

Edition: September 2007
Supersede Previous Edition

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER		PROJECT NAME		PARAMETERS				TURNAROUND TIME								
501871.XXXX.0710		ConnDOT Bridge 04671 – Griswold, CT		RCRA Pb	RCRA Pb, AS, CR, CD	Total Lead AAS	TCLP Lead	TCLP	X	24hr		48hr		3day		5day
INSPECTOR: (SIGNATURE)		(PRINTED)												24hr		48hr
FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	RCRA Pb	RCRA Pb, AS, CR, CD	Total Lead AAS	TCLP Lead	MATERIAL						
			COMP	GRAB												
01	3/6/24	9:43		X	Bridge 04671 – Griswold, CT				X	Silver / orange railing, railing support, cable guardrail paint						
02	3/6/24	9:56		X	Bridge 04671 – Griswold, CT			X		Silver / white parapet wall, curb, guardrail paint						
03	3/6/24	9:47		X	Bridge 04671 – Griswold, CT				X	Silver / white parapet wall, curb, guardrail paint						

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/6/24			3/11/24	
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Tyler Noll	1300	ROBERT P. ARIENTI	ROBERT P. ARIENTI	3/11/24 18:20	

Remarks: Only analyze sample 03 if sample 02 is found to have detectable lead levels. Results to Stephen Arienti please – Sarienti@trccompanies.com. Project phase number pending, please contact Stephen Arienti if full project number is needed for sample analysis.



BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0063870
 Project #: 501871.7974.0710
 Date Received: 03/06/2024
 Date Analyzed: 03/07/2024

Site: Bridge 04671, 30 Carol Road, Griswold, CT

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01	04671	Silver/Grey/Red C1- Remnate railing support caulk	---	ND	None
02	04671	Silver/Grey/Red C1- Remnate railing support caulk	---	ND	None
03	04671	Tan/Grey MRT 1 - Stone abutment mortar	---	ND	None
04	04671	Tan/Grey MRT 1 - Stone abutment mortar	---	ND	None
05	04671	Grey SK 1 - Textured parapet wall skim coat	---	ND	None
06	04671	Grey SK 1 - Textured parapet wall skim coat	---	ND	None
07	04671	Grey SK 1 - Textured parapet wall skim coat	---	ND	None

ND - asbestos was not detected
 Trace - asbestos was observed at level of 1% or less - This is the reporting limit
 NA/PS - Not Analyzed / Positive Stop
 SNA - Sample Not Analyzed- See Chain of Custody for details
 Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2024. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2024. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Reviewed by: Date Issued: 03/08/2024
 Drue Marino, Laboratory Analyst Kathleen Williamson, Laboratory Manager

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907
 CO# AL-15020 PHIL# 461 PA#68-03387



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersede Previous Edition

LAB ID #. **63870**

PROJECT NUMBER 501871.XXXX.0710		PROJECT NAME ConnDOT - Bridge 04671, 30 Carol Road, Griswold, Connecticut		PARAMETERS		TURNAROUND TIME																
		INSPECTOR Andrew Smith, Tyler Noll				PLM: 8hr	X 24hr	48hr	3day	TEM: X 24hr	48hr	3day	5day									
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (F > 1% & < 10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL												
										COMP	GRAB	C1 - Remnant off-white railing support caulk	C1 - Remnant off-white railing support caulk	MRT 1 - Tan stone abutment mortar	MRT 1 - Tan stone abutment mortar	SK 1 - Textured parapet wall skim coat	SK 1 - Textured parapet wall skim coat	SK 1 - Textured parapet wall skim coat				
01	3/6/2024	10:24	X	04671	X																	
02	3/6/2024	10:24	X	04671	X				X													
03	3/6/2024	10:24	X	04671	X																	
04	3/6/2024	10:24	X	04671	X																	
05	3/6/2024	10:27	X	04671	X																	
06	3/6/2024	10:28	X	04671	X																	
07	3/6/2024	10:30	X	04671	X																	

Relinquished by: (Signature) 	Date:	3/6/24	Received by: (Signature)	3/6/24	Date:		Received by: (Signature)		
	(Printed)	Time:	1300	(Printed)	Time:	1500	(Printed)	(Printed)	
Tyler Noll								Condition of Samples: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Remarks: Results to Stephen Arienti please. Project phase number currently pending, SA will provide later in week.								Page 1 of 1	

Aerobiology Laboratory Associates, Inc.

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857

TEM Bulk Chain of Custody Record

Date: 03/08/2024

PO#: **C501871**

Analysis Type: Chatfield **EPA N.O.B** Qualitative

Client: TRC

Client Job#: 501871.7974.0710

Client Job Ref./Loc.: CT-DOT – Bridge 04671, 30 Carol Road, Griswold, CT

Relinquished by: D. Marino

Received by:

Report to: SArienti@trccompanies.com, EPlimpton@trccompanies.com, DCarillo@trccompanies.com, KGraff@trccompanies.com;

KWilliamson@trccompanies.com

Samplers Name: A. Smith & T. Noll

Turnaround Time: <12 Hour **<24 Hour** <48 Hour <3 Day 5 Day **Other:**

				For Lab Use Only		
Client ID #	Lab ID#	Description	Location	Acceptable on Receipt	Comments	
02	63870	Caulk	See COC			
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

Erik Plimpton
TRC Companies, Inc. (CT)
21 Griffin Road North
Windsor, CT 06095

March 12, 2024

Dear Erik Plimpton,


Results of samples you described and submitted to Aerobiology Laboratory Associates, Inc. are shown on the enclosed data sheets. The analytical results in this report apply to the items tested only. The listed samples were prepared and analyzed in compliance with the New York State Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples. This method is used for the determination of weight percent of asbestos in non-friable materials. The sample is processed to remove non-asbestos interference. The remaining residue is examined using a Philips transmission electron microscope equipped with selected area electron diffraction (SAED) and an Evex energy dispersive x-ray analyzer.

The following are reported: identification numbers, type of material, initial weight of the sample, weight percent of organic material lost by ashing, weight percent of carbonates lost by acid dissolution, weight percent of non-fibrous/non asbestos inorganic material, total weight percent of asbestos in the original sample, and the type(s) of asbestos, if any.

The EPA recognizes asbestos as the following: actinolite, amosite, anthophyllite, chrysotile, crocidolite, and tremolite. To be considered asbestos containing, a material must be determined to contain greater than one percent asbestos. Samples are retained for a period of 2 months.

The quality control data related to the samples analyzed are available for review upon the written request of the client. Aerobiology Laboratory Associates, Inc. and its personnel assume no responsibility for potential sample contamination, misuse, misinformation, or misrepresentation by the client. The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP. This report may not be reproduced, except in its entirety, without permission of the Aerobiology Laboratory Associates, Inc. Laboratory Manager.

Please contact me if you have any questions regarding this report or related information.



Aimee Cormier, Laboratory Manager

Enclosure:

BATCH NUMBER : NT 20501 CLIENT PROJECT ID: 501871.7974.0710
Client Ref: CT-DOT - Bridge 04671, 30 Carol Road, Griswold, CT
CT ID# PH-0209; MA ID# AA000251; ME ID# LB-055; ME ID# LA-056; VT ID# AL254362; RI ID# TEM
00150.

Aerobiology Laboratory Associates, Inc

22 Cummings Park, Woburn, Massachusetts 01801
781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail boston@aerobiology.net

Laboratory Report

Client Project #: 501871.7974.0710
Client Reference: CT-DOT - Bridge 04671, 30 Carol Road, Griswold, CT
PO #: C501871
Client #: 297
Client Name: TRC Companies, Inc. (CT)

Batch: NT 20501
Method: NOB
Date Received: 3/8/2024
Date Analyzed: 3/12/2024
Date of Report: 3/12/2024

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Prepped / Charged
					CHR	AMO	ACT	CRO	ANT	TRE						
NT150748	02	Remnant Off-White Railing Support Caulk		.2482	.00	.00	.00	.00	.00	.00	28.12	66.20	5.68	ND	Yes	No

Comments:

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected



Aimee Cormier, Analyst

Aerobiology Laboratory Associates, Inc.
 22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857
 TEM Bulk Chain of Custody Record

NT 20501

Date: 03/08/2024

PO#: C501871

Analysis Type: Chatfield EPA N.O.B Qualitative

Client: TRC

Client Job#: 501871.7974.0710

Client Job Ref./Loc.: CT-DOT – Bridge 04671, 30 Carol Road, Griswold, CT

Relinquished by: D. Marino

Received by: *Doreen Lawrence* 3.11.24 8:30

Report to: SArienti@trccompanies.com, EPlimpton@trccompanies.com, DCarillo@trccompanies.com, KGraff@trccompanies.com;

KWilliamson@trccompanies.com

Samplers Name: A. Smith & T. Noll

Turnaround Time: <12 Hour <24 Hour <48 Hour <3 Day 5 Day Other:

				For Lab Use Only		
Client ID #	Lab ID#	Description	Location	Acceptable on Receipt	Comments	
02	63870	Caulk	See COC			
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
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FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersede Previous Edition

LAB ID #. 63870

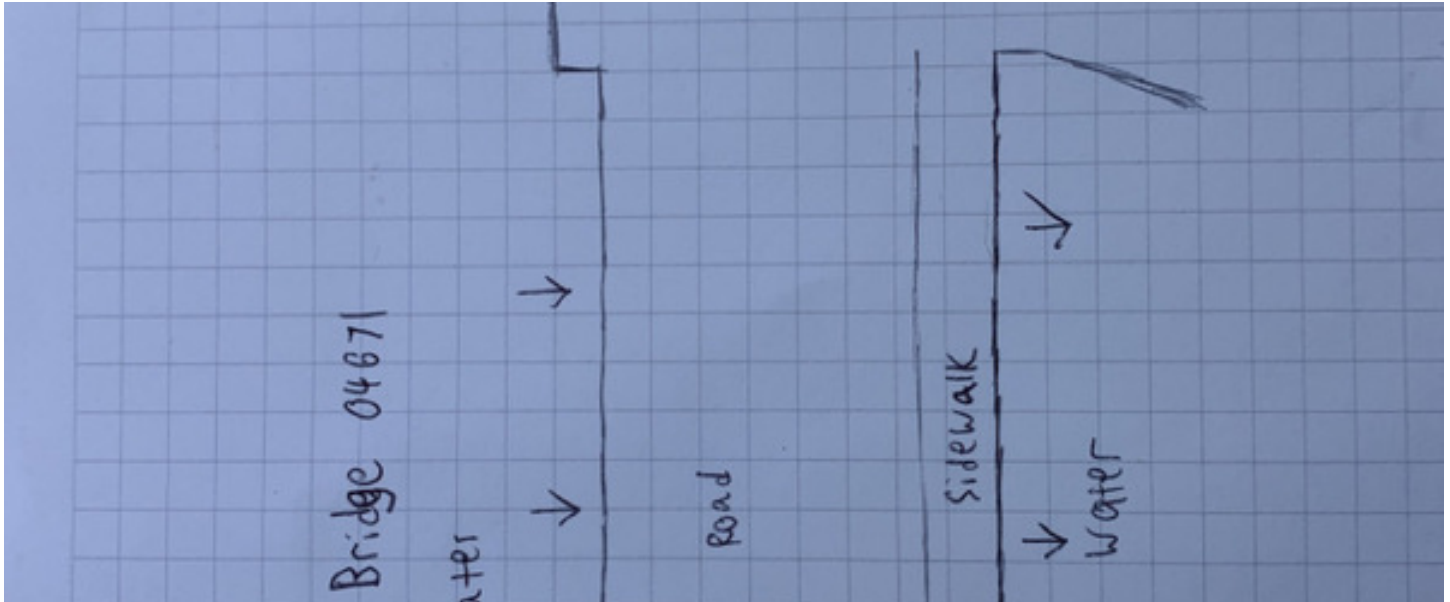
PROJECT NUMBER		PROJECT NAME		PARAMETERS				TURNAROUND TIME								
								PLM:	8hr	X	24hr	48hr	3day			
SIGNATURE		INSPECTOR		PLM EPA 600/R93/I16 (POSITIVE STOP)	PLM EPA 600/R93/I16 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL							
FIELD SAMPLE NUMBER	DATE	TIME	TYPE											SAMPLE LOCATION		
			COMP	GRAB												
501871.XXXX.0710		ConnDOT — Bridge 04671, 30 Carol Road, Griswold, Connecticut						PLM:		8hr	X	24hr		48hr		3day
		Andrew Smith, Tyler Noll						TEM:	X	24hr		48hr		3day		5day
01	3/6/2024	10:24		X	04671											C1 - Remnant off-white railing support caulk
02	3/6/2024	10:24		X	04671				X							C1 - Remnant off-white railing support caulk
03	3/6/2024	10:24		X	04671											MRT 1 - Tan stone abutment mortar
04	3/6/2024	10:24		X	04671											MRT 1 - Tan stone abutment mortar
05	3/6/2024	10:27		X	04671											SK 1 - Textured parapet wall skim coat
06	3/6/2024	10:28		X	04671											SK 1 - Textured parapet wall skim coat
07	3/6/2024	10:30		X	04671											SK 1 - Textured parapet wall skim coat

Relinquished by: (Signature) 	Date: 3/6/24	Received by: (Signature) 3/6/24	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Tyler Noll	Time: 1300	(Printed) 1500 	(Printed)	Time:	(Printed)
Remarks: Results to Stephen Arienti please. Project phase number currently pending, SA will provide later in week.			Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Comments:		Page 1 of 1

BSI - WinBSI HBM Survey

ConnDOT, Bridge 04671, 30 Carol Road Griswold Connecticut
06351 US

3/28/2024, 10:12:41 AM EDT



CREATED

🕒 3/5/2024, 5:33:11 PM EST

👤 by Tyler Noll

UPDATED

🕒 3/28/2024, 10:12:41 AM EDT

👤 by Jonathan Gentile

STATUS

🟢 Complete

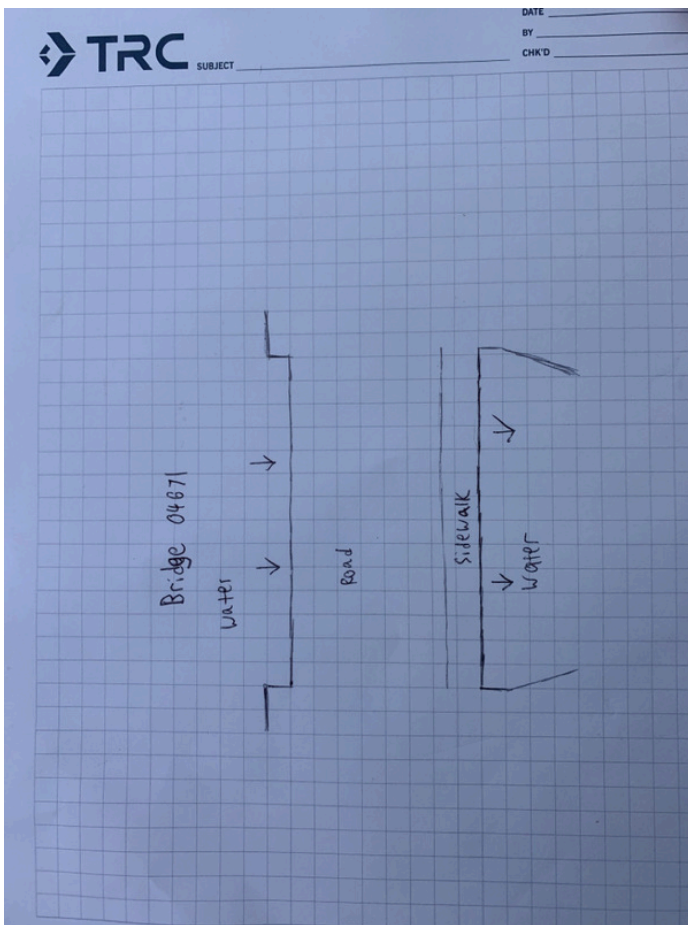
ASSIGNED TO

👤 No Assignment

JOB INFORMATION

Site Name	Bridge 04671
Address	30 Carol Road Griswold Connecticut 06351 US
TRC Project Number	501871.7974.0710
Project Manager	Erik Plimpton, Stephen Arienti
Inspector(s)	Tyler Noll, Andrew Smith, Alex LeMay
Client	ConnDOT
Type of Asbestos Survey	Reno/Demo

Site Sketch Diagrams



Additional Analysis for NOB Materials (Calc)	TEM NY NOB 198.4
PLM Turnaround Time (TAT)	24-hour
TEM Turnaround Time (TAT)	24-hour
Date	March 5, 2024
General Notes	



Overview Photo









Options & Other Settings

Use auto-numbering?	No
Auto-fill gaps?	Yes
Alert user about missing site sketch?	Yes

SURVEYS PERFORMED | Asbestos, XRF, TCLP Sampling, Bridge/Signs/Light Pole/Traffic Signal Items

Asbestos Survey

Materials & Samples (3 Items)

Materials & Samples - 1. (2) Samples #01-02: C1-Remnant off-white railing support caulk

Sample Information

Asbestos Samples (2 Items)

Asbestos Samples - 1. Sample #01: C1...04671

Sample Number	01
Sample Location	04671
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	March 6, 2024
Time	10:24



Sample Location Photo

Asbestos Samples - 2. Sample #02: C1...04671

Sample Number	02
Sample Location	04671
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	March 6, 2024
Time	10:24

Sample Location Photo

Material Information

Sampled or Assumed?	Sampled
Material Acronym	C ▶ 1
Material Description	Remnant off-white railing support caulk
Material Color	

Representative Photos



Analyze by layer?	No
-------------------	----

Is material non-friable organically bound (NOB)?	Yes
--	-----

Homogeneous Area	
------------------	--

Total Approximate Quantity	
----------------------------	--

Notes	
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Materials & Samples - 2. (2) Samples #03–04: MRT 1–Tan stone abutment mortar

Sample Information

Asbestos Samples (2 Items)

Asbestos Samples - 1. Sample #03: MRT 1...04671

Sample Number	03
Sample Location	04671
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	March 6, 2024
Time	10:24
Sample Location Photo	

Asbestos Samples - 2. Sample #04: MRT 1...04671

Sample Number	04
Sample Location	04671
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	March 6, 2024
Time	10:24
Sample Location Photo	

Material Information

Sampled or Assumed?	Sampled
Material Acronym	MRT 1



Material Description | Tan stone abutment mortar

Material Color |

Representative Photos



Analyze by layer? | No

Is material non-friable organically bound (NOB)? | No

Homogeneous Area |

Total Approximate Quantity |

Notes |

Materials & Samples - 3. (3) Samples #05–07: SK 1–Textured parapet wall skim coat

Sample Information

Asbestos Samples (3 Items)

Asbestos Samples - 1. Sample #05: SK 1...04671

Sample Number | 05

Sample Location | 04671

Asbestos Bulk Analysis | PLM EPA 600/R93/116

Grab or Composite | Grab

Date | March 6, 2024

Time | 10:27

Sample Location Photo



Asbestos Samples - 2. Sample #06: SK 1...04671

Sample Number	06
Sample Location	04671
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	March 6, 2024
Time	10:28

Sample Location Photo

Asbestos Samples - 3. Sample #07: SK 1...04671

Sample Number	07
Sample Location	04671
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	March 6, 2024
Time	10:30

Sample Location Photo

Material Information

Sampled or Assumed?	Sampled
Material Acronym	SK 1
Material Description	Textured parapet wall skim coat
Material Color	



Representative Photos



Analyze by layer?	No
Is material non-friable organically bound (NOB)?	No
Homogeneous Area	
Total Approximate Quantity	
Notes	

XRF Survey

Niton XRF Model No.	22323
XRF Survey Completed	Yes
XRF Data Downloaded	Yes
XRF Shots >1.0 on non-metallic building materials	No
Date Data Downloaded	March 6, 2024

TCLP/SPLP/Total Lead Survey



Samples (3 Items)

Samples - 1. Silver/orange railing, railing support, cable guardrail paint

TCLP/SPLP/Total Lead Sample Description	Silver/orange railing, railing support, cable guardrail paint
---	---

TCLP/SPLP/Total Lead Components (1 Item)

TCLP/SPLP/Total Lead Components - 1. Paint Chips

Material	Paint Chips
Square Footage	
Type of Analysis	TCLP Lead
Sample Number	01
Grab or Composite	Grab
Date	March 6, 2024
Time	09:43
TCLP/SPLP/Total Lead Notes	



TCLP/SPLP/Total Lead Photos



Samples - 2. Silver/white parapet wall, curb, guardrail paint

TCLP/SPLP/Total Lead Sample Description	Silver/white parapet wall, curb, guardrail paint
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TCLP/SPLP/Total Lead Components (1 Item)

TCLP/SPLP/Total Lead Components - 1. Paint Chips

Material	Paint Chips
Square Footage	
Type of Analysis	Total Lead
Sample Number	02
Grab or Composite	Grab
Date	March 6, 2024
Time	09:56
TCLP/SPLP/Total Lead Notes	



TCLP/SPLP/Total Lead Photos

Samples - 3. Silver/white parapet wall, curb, guardrail paint

TCLP/SPLP/Total Lead Sample Description	Silver/white parapet wall, curb, guardrail paint
---	--

TCLP/SPLP/Total Lead Components (1 Item)

TCLP/SPLP/Total Lead Components - 1. Paint Chips

Material	Paint Chips
Square Footage	
Type of Analysis	TCLP Lead
Sample Number	03
Grab or Composite	Grab
Date	March 6, 2024
Time	09:47
TCLP/SPLP/Total Lead Notes	



TCLP/SPLP/Total Lead Photos





Bridge/Signs/Light Pole/Traffic Signal Item Inventory

Items (1 Item)

Items - 1.

Bridge/Sign/Light Pole/Traffic Signal No.	
General Notes	
Accessibility	Accessible
Paint on Structure (s)?	Yes
Paint on what Components/Structure(s)?	Railing, railing support, cable guardrails
Suspect Asbestos Containing Materials Identified on Structure	Yes
Guano Present?	No
Homeless Activity	No
Bloodborne Pathogen Concerns?	No
Mice/Mouse Nests/Droppings	No

LAB & SAMPLE SUBMISSION INFO

Signature

Asbestos Bulk Samples

Remarks to be added to the CoC	
Asbestos samples submitted to TRC lab?	No
Date Submitted to Lab	
Asbestos bulk sample CoC data electronically sent to lab yet?	No
Asbestos bulk sample results reviewed?	No

TCLP Samples

TCLP/SPLP Samples Submitted to Lab	No
TCLP/SPLP Samples Submitted To:	
Date Submitted to Lab	



REPORT CREATION

Select one or more documents below to be generated. Once completed in the cloud, they will be sent to the listed email address.

NOTE: Asbestos bulk sample CoC data must now be sent electronically to the lab by selecting "Asbestos chain-of-custody - Send to Lab" from the list below.

What documents should be generated?	Asbestos chain-of-custody
-------------------------------------	---------------------------

Generate Documents

PROJECT STATUS TRACKING

Has this survey been completed?	Yes
---------------------------------	-----

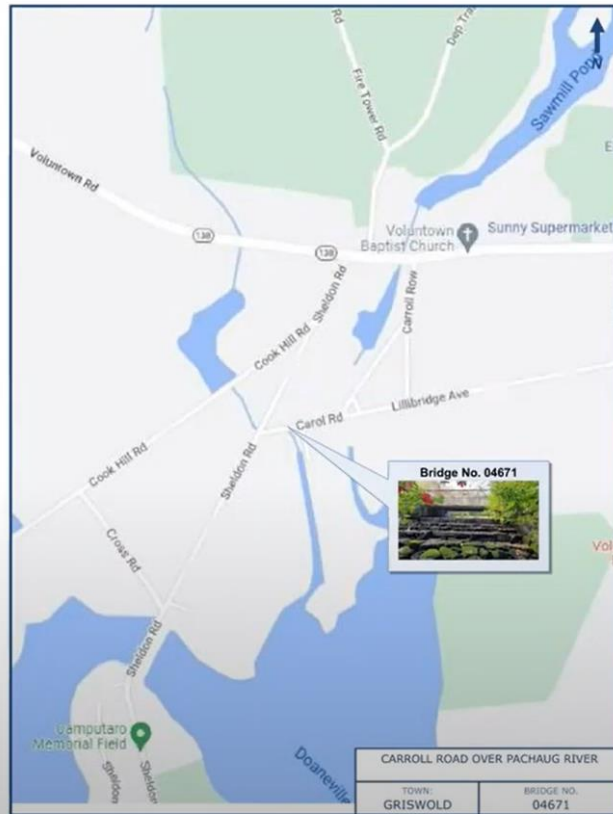
Has the report been written?	No
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Has the report been reviewed?	No
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Project Location



Located approximately 100 feet east of Sheldon Road

Functionally Classified as Rural-Local

CJM
Close, Jensen
and Miller, P.C.
LIAISON
SERVICES



Removal of Bridge No. 04671 // State Project No. 0057-0121