



August 6, 2018

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

Attention: Jason Coite, P.E. / Mandy Socolosky

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 04.27-01(15)
HazMat Inspection - Bridge No. 02295, Route 136 over Norwalk River, Norwalk, CT
ConnDOT Assignment No. 514-5710
ConnDOT Project No. 173-462
TRC Project No. 222165.5710.0710

Dear Mr. Fox:

TRC performed a limited survey for hazardous building materials associated with the rehabilitation of Bridge No. 02295, Route 136 over Norwalk River in Norwalk, Connecticut. TRC's HazMat Inspection letter dated August 30, 2016, indicated that no detectable amounts of lead were present on the metal structural steel/metal bridge components (0.0 mg/cm^2 & $\text{ND} < 0.10\%$ by weight) of the drawbridge portion of the bridge, therefore any paint waste generated would be considered non-RCRA, non-hazardous waste. The rest of the bridge was entirely constructed of unpainted concrete beams with unpainted galvanized metal railing, therefore no lead paint was identified on those components. The black tar paper vapor barrier on the corrugated drain pipes in the abutments and the grey brittle caulk at the deck/concrete support junction were sampled and found to contain asbestos, however they are not expected to be impacted by the project. Grey rubbery expansion joint caulking, grey caulking at drawbridge arms, black expansion joint tar, cloth at guardrail base pads and black side walk caulking were also sampled and no detectable levels of asbestos were identified. Homeless activity was observed at the east abutment areas of Bridge No. 02295, including but not limited to bedding, trash and potentially sharps/needles which could contain blood borne pathogens. Also, potential universal waste (UW) and Connecticut Regulated Waste (CRW) luminaire light poles were attached to the roadside of the bridge but they are not expected to be impacted. No bird/pigeon guano accumulations or were observed in accessible areas of the bridge. Associated laboratory data, inspector notes, project descriptions, site maps and prior August 30, 2016 inspection report are attached.

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

Very Truly Yours,

TRC

A handwritten signature in black ink, appearing to read "Stephen R. Arienti".

Stephen R. Arienti, CHMM
Senior Project Scientist – Project Manager

A handwritten signature in black ink, appearing to read "Erik R. Plimpton".

Erik R. Plimpton, P.E., CHMM, CMC
Vice President - Program Manager



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 #: 52039

PROJECT NUMBER		PROJECT NAME		PARAMETERS					TURNAROUND TIME						
222165.5710.0710		CT DOT Bridge 2295 Norwalk, CT		PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL						
SIGNATURE		INSPECTOR													
DATE		TIME		TYPE		SAMPLE LOCATION									
FIELD SAMPLE NUMBER		DATE		TIME		TYPE		SAMPLE LOCATION							
01	3/22/18	1033	X	SE Concrete Sidewall Seam	X					Thick Lt Grey Rubbery Exp Jt Caulk (C1)					
02	3/22/18	1043	X	SE Concrete Sidewall Seam	X					Thick Lt Grey Rubbery Exp Jt Caulk (C1)					
03	3/22/18	1000	X	Base of Drawbridge Gate SE	X					Grey Rubbery Caulk (C2)					
04	3/22/18	1004	X	Base of Drawbridge Gate SE	X					Grey Rubbery Caulk (C2)					
05	3/22/18	1026	X	Below Deck SE End (o/s concrete beam)	X					Grey Brittle Caulk @Deck/Concrete Support Junction (C3)					
06	3/22/18	1029	X	Below Deck SE End (o/s concrete beam)	X					Grey Brittle Caulk @Deck/Concrete Support Junction (C3)					
07	3/22/18	1048	X	NW End by Control House	X					Black Sidewalk/Curb Jt Caulk (C4)					
08	3/22/18	1104	X	SE end by Bridge Gate	X					Black Sidewalk/Curb Jt Caulk (C4)					
09	3/22/18	1058	X	NE Side on Sidewalk Jt	X					Black Tar Expansion Jt on Sidewalk/Roadway (EJ1)					
10	3/22/18	1105	X	SE Side on Sidewalk Jt	X					Black Tar Expansion Jt on Sidewalk/Roadway (EJ1)					

Relinquished by: (Signature)	Date: 03/22/18	Received by: (Signature)	Date: 3/26/18	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed)	Time:	(Printed)	Time: 0900	(Printed)	Time:	(Printed)
Hilton Hernandez						
Remarks:	Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Page 1 of 2		



21 GRIFFIN ROAD NORTH

WINDSOR, CONNECTICUT 06095

TELEPHONE (860) 298-9692

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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersedes Previous Edition

PROJECT NUMBER
222165.5710.0710

PROJECT NAME
CT DOT Bridge 2295 Norwalk, CT

LAB ID #. 52039

FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	PARAMETERS				TURNAROUND TIME									
			COMP	GRAB		PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL								
											PLM:	8hr	24hr	48hr	3day				
11	3/22/18	1019		X	Corrugated Drain Pipe Below Bridge @ NE End	X													
12	3/22/18	1019		X	Corrugated Drain Pipe Below Bridge @ NE End	X					X								
13	3/22/18	1038		X	South Side Guardrail	X													
14	3/22/18	1040		X	North Side Guardrail	X					X								

SIGNATURE

INSPECTOR
Hilton Hernandez/Jonathan Gentile

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)
	03/22/18		3/26/18			
(Printed) Hilton Hernandez	Time:	(Printed) 0900	Time:	(Printed)	Time:	(Printed)
Remarks:				Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Comments:		



BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0052039
Project #: 222165.5710.0710
Date Received: 03/26/2018
Date Analyzed: 03/26/2018

Site: Bridge#2295, Norwalk, CT

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
01	Light Grey (caulk)	Yes	No	--	---	ND	None
02	Light Grey (caulk)	Yes	No	--	---	ND	None
03	Grey (caulk)	Yes	No	--	---	ND	None
04	Grey (caulk)	Yes	No	--	---	ND	None
05	Grey (caulk)	Yes	No	--	---	3%	Chrysotile
06	--	--	--	--	--	NA/PS	--
07	Black (caulk)	Yes	No	--	---	ND	None
08	Black (caulk)	Yes	No	--	---	ND	None
09	Black (expansion joint)	Yes	No	--	---	ND	None
10	Black (expansion joint)	Yes	No	--	---	ND	None
11	Black (vapor barrier)	Yes	No	--	---	Trace	Chrysotile
12	Black (vapor barrier)	Yes	No	--	---	Trace	Chrysotile
13	White/Brown (base pad)	Yes	No	--	80% cellulose	ND	None
14	White/Brown (base pad)	Yes	No	--	80% cellulose	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL014538 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071
AZ #A20944

MA #AA000052
HI #L-09-004

NY #10980 WV# LT000411
NJ #CT004 CA #2907



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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
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Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

SNA- Sample Not Analyzed- See Chain of Custody for details

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, 2018. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2018. 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.

Analyzed by:

Cathryn Lemire, Laboratory Analyst

Reviewed by:

Kathleen Williamson, Laboratory Manager

Date Issued

03/26/2018

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426
VT #AL014538 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411
AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907

NT 17136

TEM Bulk Chain of Custody Record

Date: 03/27/18

PO#: C222165

Client: TRC

Client Job#: 222165.5710.0710

Client Job Ref./Loc.: CT DOT-Bridge 2295, Norwalk, CT

Relinquished by: C. Lemire-CLemire@trcsolutions.com

Received by: *Doreen Townsend* 3.28.18 9.35

Report to: E. Plimpton- EPlimpton@trcsolutions.com & SArienti@trcsolutions.com

Samplers Name: H. Hernandez and J. Gentile

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

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

For Lab Use Only						For Lab Use Only	
Client ID #	Lab ID#	Description	Location	Acceptable on Receipt	Comments		
02	52039	Caulk	See COC				
04	52039	Caulk					
08	52039	Caulk					
10	52039	Expansion Joint					
12	52039	Vapor Barrier					
14	52039	Base Pad					
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments	

ProScience Analytical Services, Inc.

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

Laboratory Report

Client Project #: 222165.5710.0710
Client Reference: CT DOT - Bridge 2295, Norwalk, CT
PO #: C222165
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: NT 17136
Method: NOB
Date Received: 3/28/2018
Date Analyzed: 3/30/2018
Date of Report: 3/30/2018

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types				% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Prepared / Charged
					CHR	AMO	ACT	CRO						
NT129154	02	Thick Lt Grey Rubbery Exp Jt Caulk		.5482	.00	.00	.00	.00	42.32	41.83	15.85	ND	Yes	No
NT129155	04	Grey Rubbery Caulk		.3059	.00	.00	.00	.00	23.83	40.08	36.09	ND	Yes	No
NT129156	08	Black Sidewalk/ Curb Jt Caulk		.4923	.00	.00	.00	.00	16.49	53.12	30.39	ND	Yes	No
NT129157	10	Black Tar Expansion Jt		.5149	.00	.00	.00	.00	4.43	70.07	25.50	ND	Yes	No
NT129158	12	Black Tar Paper Vapor Barrier		.1714	13.75	.00	.00	.00	41.27	22.23	22.75	13.75	Yes	No
NT129159	14	Cloth Guardrail Base Pad		.0844	.00	.00	.00	.00	37.09	56.04	6.87	ND	Yes	No

Comments:

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


Mark Derosier, Analyst



SUBJECT BRIDGE 2295 Norwalk, CT

SHEET NO. _____ OF _____

PROJECT NO. _____

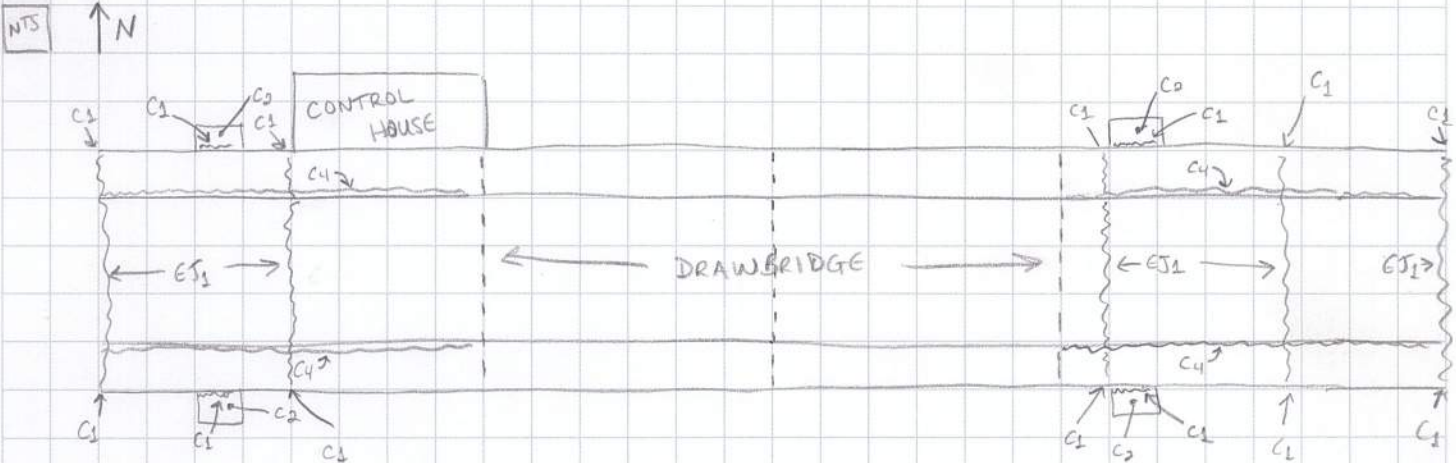
DATE 3/23/18

BY _____

CHK'D _____

ACM

- ① C₁ = Thick Lt. Grey ^{Rubbery} Exp. Jt. Caulk (@ 4 Bridge Jts each side ~ 4 LFea + @ 4 bridge Gates ~ 6 LFea = around Ctrl. House ~ 30 LFe)
- ② C₂ = Grey Rubbery Caulk (@ base of drawbridge arms) (~ 12 LF x 4)
- ③ EJ₁ = Black Tar Expansion Jt.
- ④ VB₁ = Tar paper Vapor Barrier on corrugated drain pipe below bridge (~ 20 SF)
- ⑤ C₃ = Grey Brittle Caulk @ deck/conc. support junction (on o/s beams across entire span minus drawbridge)
- ⑥ GBP₁ = Cloth Guardrail Base Pads (~ 250 @ .5 SF ea)
- ⑦ C₄ = Black Sidewalk Caulk (where sidewalk meets curb) (entire span (-) drawbridge)



Project Description

Project No. 173-462 involves the rehabilitation of the following bridge:

<u>Bridge No.</u>	<u>Feature Carried</u>	<u>Feature Crossed</u>	<u>Town</u>
02295	Route 136	Norwalk River	Norwalk

Bridge No. 02295 is a four span structure consisting of a double-leaf steel bascule main span (Span 2) and three approach spans consisting of prestressed concrete multi-girders supported by reinforced concrete abutments and piers. The bridge has a structure length of 498 feet and a curb-to-curb width of 52 feet, which carries two lanes of traffic in each direction. The 2015 ADT on the bridge is 19,100 vehicles.

The bridge was built in 1972 as part of the relocation of Route 136. In 1998, under Project No. 0102-0282, the bridge was rehabilitated with approach span deck patching, replacement of the concrete filled grid deck and superstructure support system including floor beam replacement, the addition of asphaltic joints, and the installation of new span locks. The bridge was rehabilitated again in 2007, under Project No. 0102-0300, which included steel repairs, the cleaning and painting of the machinery and structural steel, upgrades to the electrical system, refurbishing of the control house, as well as the replacement of the traffic control signals and support system. The latest inspection of the structure has resulted in the deck being downgraded to a condition rating of 5.

The bridge has been included in the on-call bridge preservation program due to deficiencies primarily related to the condition of the decks and associated structural steel components.

The overall scope of rehabilitation for Bridge No. 02295 is as follows:

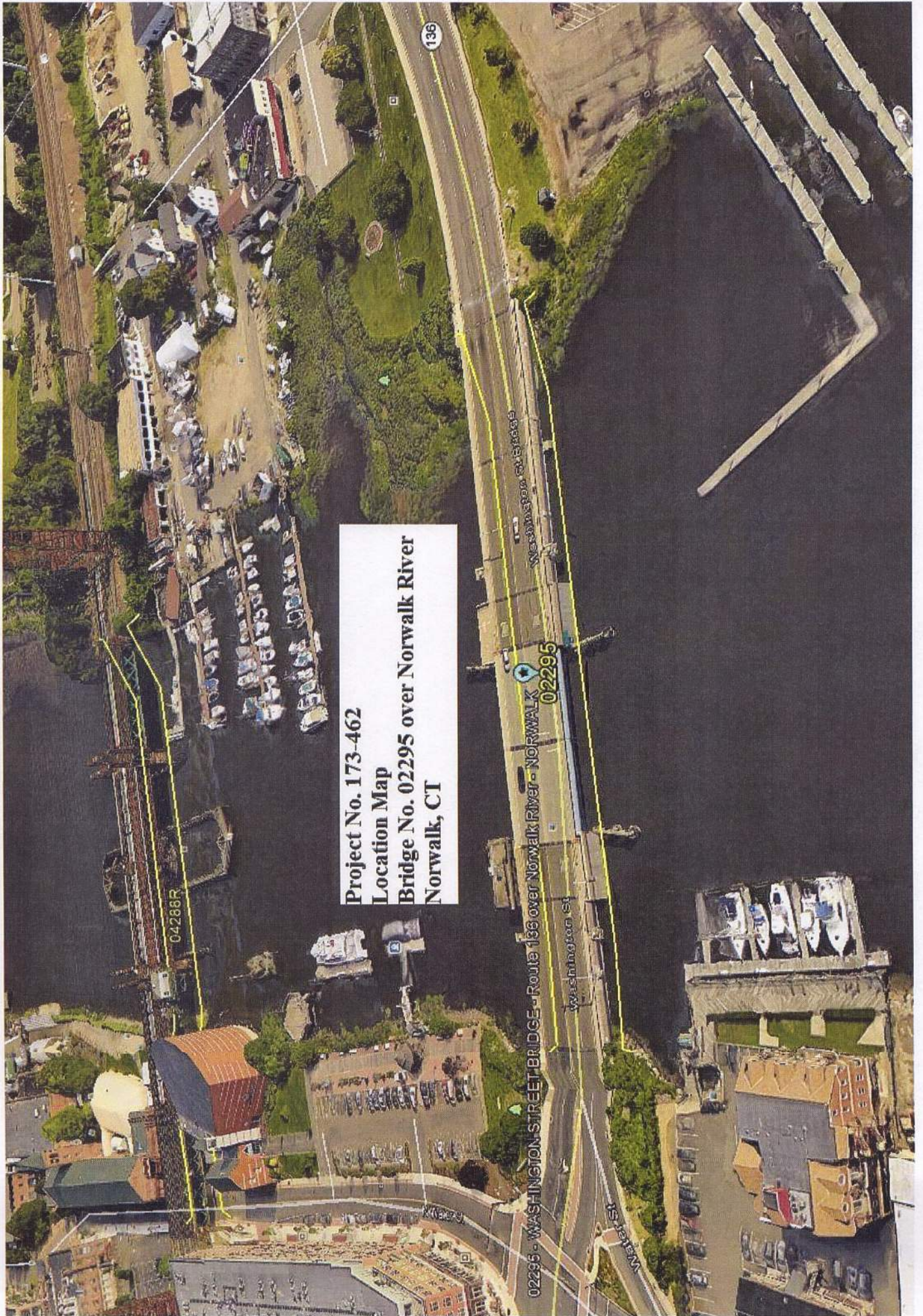
- Repair concrete filled steel grid decking.
- Install thin "epoxy type" overlay atop the concrete filled grid deck and sidewalk.
- Select concrete repairs.
- Select structural steel repairs and spot painting. *ABC?*
- Install or extend weep hole pipes away from piers
- Repair deck joints
- Select repairs to the fender system
- Select repairs to the mechanical system.
- Select repairs to the electrical system. .

Construction on Bridge No. 02295 will be performed with limited impacts to both marine and vehicular traffic. The work associated with the installation of the thin overlay of the concrete filled grid deck should be able to be accomplished utilizing off peak time periods with limited restrictions to both marine and Route 136 vehicular traffic.

There are no utility impacts or right-of-way impacts anticipated for this project.

It is anticipated that a Memorandum of Understanding and/or a Letter of Authorization from the USCG, as well as a FMC General from the CTDEEP and an ACOE Category 1 Permit will be required for this project.

Construction is anticipated to begin in the spring of 2019 and be completed in the fall of 2020.



Project No. 173-462
Location Map
Bridge No. 02295 over Norwalk River
Norwalk, CT

02295

NORWALK

02295 - WASHINGTON STREET BRIDGE - ROUTE 136 OVER NORWALK RIVER - NORWALK

Washington St

Washington St Bridge

136

04288R



August 30, 2016

Mr. Christopher Bonsignore, P.E.
Principal Engineer
Environmental Compliance Section
Bureau of Engineering and Highway Operations
State of Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

Attention: Judith Nemecek, P.E. / Robert Reilly

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 04.27-01(15)
HazMat Inspection – Bridge No. 02295 & Control House, Route 136 over Norwalk River,
Norwalk, CT
ConnDOT Assignment No. 514-5134
ConnDOT Project No. 102-357
TRC Project No. 222165.5134.0710

Dear Mr. Bonsignore:

TRC performed a limited survey for hazardous building materials associated with the rehabilitation of Bridge No. 02295 & Control House, Route 136 over Norwalk River in Norwalk Connecticut. Results of the survey identified no detectable amounts of lead to be present on the metal structural steel/metal bridge components (0.0 mg/cm^2 & $\text{ND} < 0.10\%$ by weight), therefore any paint waste generated would be considered non-RCRA, non-hazardous waste. In the Control House, detectable amounts of lead in paint were identified on metal hatch doors, transite panels, concrete floors/ceilings and submarine terminal metal cables/base/boxes. No detectable amounts of lead in paint were found on the Utility Room walls/ceilings. On the roadway of the bridge, detectable amounts of lead in paint were found on the yellow metal sidewalk markings. For the Control House, the lead painted non-metallic construction and demolition (C&D) bulky waste has been characterized as non-hazardous per CTDEEP/USEPA clarification memo of January 26, 2004. Results obtained from TCLP waste stream sampling and analysis for leachable lead from the paint on the concrete floors (0.15 mg/L) and metal sidewalk markings (1.6 mg/L) characterized the paint waste stream as non-RCRA, non-hazardous waste. Transite panels within the Main level and stairwell of the Control House were sampled and found to contain asbestos. Exterior light grey expansion joint sidewalk caulking and grey expansion joint caulking on the bridge guards were sampled and found to contain no asbestos. Potential Universal Waste (UW) batteries and circuit boards associated with the battery backup, Connecticut Regulated Waste (CRW) oil within transformers and the 25 gallon storage tank and CFCs associated with the HVAC unit were also identified within the Control House. Bird/pigeon guano accumulations were observed on the underside accessible areas of the Bridge No. 02295. Associated laboratory data and site sketches are attached.

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

Very Truly Yours,

TRC

A handwritten signature in black ink, appearing to read "Erik R. Plimpton".

Erik R. Plimpton, P.E., CHMM, CMC
Vice President - Program Manager

A handwritten signature in black ink, appearing to read "E. Burke".

E. Burke, P.E.
Engineer in Charge



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #25555) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: CTDOT - Bridge No. 02295, Norwalk, CT
Project #: 222165.513.4.0710
Date(s): 10/5/2016 & 8/4/16
Inspector: Robert Belding (CT Lead I/RA LIC. No. 002210) & Kelly Grey (CT Lead I/RA LIC. No. 002267)

Number	Interior/ Exterior	Location	Bridge No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1			Self-Calibration									68.23	10/5/2015 12:04
2			0.7 calibration						0.7	0.1	1.1	4.6	10/5/2015 12:08
3			3.5 calibration						3.4	0.2	1.3	11.2	10/5/2015 12:08
4			0.3 calibration						0.3	0.0	1.1	10.3	10/5/2015 12:09
5	Interior	Basement	Bridge No. 02295	Wall		Concrete	Aqua	Defective					
6	Interior	Basement	Bridge No. 02295	Wall		Transite	Aqua	Defective	0.1	0.0	4.2	11.2	10/5/2015 12:36
7	Interior	Basement	Bridge No. 02295	Floor		Concrete	Aqua	Defective	0.0	0.0	2.1	5.4	10/5/2015 12:35
8	Interior	Basement	Bridge No. 02295	I-Beam		Metal	Aqua	Defective	0.0	0.1	1.0	4.0	10/5/2015 12:36
9	Interior	Basement	Bridge No. 02295	I-Beam		Metal	Aqua	Defective	0.0	0.0	1.0	4.6	10/5/2015 12:37
10	Interior	Basement	Bridge No. 02295	I-Beam		Metal	Aqua	Defective	0.0	0.0	1.0	4.5	10/5/2015 12:39
11	Exterior	Exterior	Bridge No. 02295	Bridge Girder		Metal	Aqua	Intact	0.0	0.0	1.0	4.6	10/5/2015 12:41
12	Interior	Basement	Bridge No. 02295	Wall		Transite	Aqua	Defective	0.0	0.0	1.5	13.2	10/5/2015 12:42
13	Interior	Basement	Bridge No. 02295	Wall		Transite	Aqua	Defective	0.0	0.1	1.0	0.8	10/5/2015 12:43
14	Interior	Basement	Bridge No. 02295	Wall		Transite	Aqua	Defective	0.0	0.0	1.0	11.1	10/5/2015 12:43
15	Interior	Basement	Bridge No. 02295	Floor		Concrete	Grey	Defective	0.0	0.0	1.3	9.9	10/5/2015 12:44
16	Interior	Basement	Bridge No. 02295	Wall		Concrete	Aqua	Defective	0.0	0.0	1.2	7.0	10/5/2015 12:45
17	Interior	Basement	Bridge No. 02295	Hatch Door		Metal	Grey	Defective	0.2	0.1	7.7	13.2	10/5/2015 12:46
18	Interior	Basement	Bridge No. 02295	Hatch Door		Metal	Grey	Defective	0.1	0.0	4.9	26.0	10/5/2015 12:47
19	Interior	Basement	Bridge No. 02295	Floor		Concrete	Yellow	Defective	0.1	0.2	9.9	4.6	10/5/2015 12:47
20	Interior	Basement	Bridge No. 02295	Floor		Concrete	Yellow	Defective	0.2	0.1	7.8	18.2	10/5/2015 12:48
21	Interior	Basement	Bridge No. 02295	Ceiling		Concrete	White	Defective	0.0	0.0	1.0	1.2	10/5/2015 13:21
22	Interior	Basement	Bridge No. 02295	Ceiling		Concrete	White	Defective	0.0	0.0	1.7	6.6	10/5/2015 13:22
23	Exterior	Exterior	Bridge No. 02295	Sidewalk Grate	Wall	Metal	Yellow	Defective	6.6	0.7	2.9	17.4	10/5/2015 13:41
24	Exterior	Exterior	Bridge No. 02295	Sidewalk		Metal	Aqua	Defective	0.0	0.0	1.0	7.8	10/5/2015 13:43
25	Exterior	Exterior	Bridge No. 02295	Sidewalk		Metal	Yellow	Defective	0.2	0.1	2.1	7.5	10/5/2015 13:51
26	Exterior	Exterior	Bridge No. 02295	Sidewalk		Metal	Yellow	Defective	4.6	0.4	2.4	7.0	10/5/2015 13:51
27	Interior	Basement	Bridge No. 02295	Ceiling		Concrete	Tan	Defective	0.0	0.0	1.8	9.0	10/5/2015 14:15
28			0.7 calibration						0.6	0.1	1.0	5.0	10/5/2015 14:28
29			3.5 calibration						3.3	0.2	1.2	15.3	10/5/2015 14:28
30			0.3 calibration						0.3	0.1	1.1	7.4	10/5/2015 14:29
31			Self-Calibration									104.2	8/4/2016 9:25
32			0.0 calibration						0.0	0.0	1.1	3.2	8/4/2016 9:26
33			1.6 calibration						1.5	0.2	1.1	4.5	8/4/2016 9:26
34			3.5 calibration						3.4	0.2	1.2	9.5	8/4/2016 9:27
35	Interior	Battery Room	Bridge No. 02295	Battery Support Frame		Metal	Grey	Defective	0.0	0.0	1.0	5.3	8/4/2016 10:55
36	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Cable	Rubber	Blue	Intact	0.0	0.0	2.5	19.4	8/4/2016 11:05
37	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Cable Base	Metal	Grey	Intact	0.1	0.2	10.0	18.3	8/4/2016 11:07
38				VOID									
39	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Floor	Concrete	Grey	Intact	0.0	0.0	1.1	6.1	8/4/2016 11:09
40	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Wall	Concrete	Blue	Intact	0.0	0.0	1.5	9.5	8/4/2016 11:10
41	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Box	Metal	Red	Intact	0.1	0.2	10.0	14.0	8/4/2016 11:11
42	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Box	Metal	Red	Intact	0.0	0.0	1.2	3.2	8/4/2016 11:11

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #25555) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: CTDOT - Bridge No. 02295, Norwalk, CT
Project #: 222165.5134.0710
Date(s): 10/5/2016 & 8/4/16
Inspector: Robert Belding (CT Lead I/RA LIC. No. 002210) & Kelly Grey (CT Lead I/RA LIC. No. 002267)

Number	Interior/ Exterior	Location	Bridge No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
43	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Box	Metal	Red	Intact	0.3	0.2	8.6	16.8	8/4/2016 11:20
44					VOID								
45	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Box	Metal	Red	Intact	0.0	0.0	1.0	6.6	8/4/2016 11:21
46	Interior	Battery Room	Bridge No. 02295	Submarine Terminal	Wall	Concrete	Grey	Intact	0.0	0.0	1.0	6.1	8/4/2016 11:22
47			0.0 calibration						0.0	0.0	1.0	2.6	8/4/2016 11:32
48			0.7 calibration						0.6	0.1	1.0	5.8	8/4/2016 11:33
49			1.6 calibration						1.6	0.1	1.2	6.9	8/4/2016 11:33

80 Lupes Drive
Stratford, CT 06615



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

Client: Mr. Rob Belding
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 5100144

Report Date: October 09, 2015
Project: CTDOT, Bridge
Project Number: Bridge 02295, Norwalk
PO Number: 222165.5134.0710

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903



New York Certification: 11982
Rhode Island Certification: 199

CET # : 5100144

Project: CTDOT, Bridge

Project Number: Bridge 02295, Norwalk

SAMPLE SUMMARY

The sample(s) were received at 18.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
1-A	5100144-01	Paint Chip	10/05/2015 14:40	10/07/2015
1-B	5100144-02	Paint Chip	10/05/2015 14:42	10/07/2015
2-A	5100144-03	Paint Chip	10/05/2015 14:55	10/07/2015
2-B	5100144-04	Paint Chip	10/05/2015 14:56	10/07/2015
3	5100144-05	Paint Chip	10/05/2015 14:05	10/07/2015
4	5100144-06	Paint Chip	10/05/2015 14:45	10/07/2015

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3050B

Matrix: Paint Chip

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
5100144-01	1-A	ND	0.10	%	1	B5J0802	10/08/2015	10/08/2015 13:52	
5100144-02	1-B	ND	0.10	%	1	B5J0802	10/08/2015	10/08/2015 13:57	
5100144-03	2-A	ND	0.10	%	1	B5J0802	10/08/2015	10/08/2015 14:01	
5100144-04	2-B	ND	0.10	%	1	B5J0802	10/08/2015	10/08/2015 14:06	

Analyte: TCLP Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3005A-1311

Matrix: Extract

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
5100144-05	3	0.15	0.013	mg/L	1	B5J0840	10/08/2015	10/08/2015 21:46	
5100144-06	4	1.6	0.013	mg/L	1	B5J0840	10/08/2015	10/08/2015 21:50	

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

Sincerely,



David Ditta
Laboratory Director

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- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-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.

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 the specified detection limit

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

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

CET # : 5100144

Project: CTDOT, Bridge

Project Number: Bridge 02295, Norwalk

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 6010C in Soil</i>	
Lead	CT,NY
<i>EPA 6010C in Solid</i>	
Lead	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2016
NY	New York Certification (NELAC)	11982	04/01/2016

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com

Page 4 of 5



5100144



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

TCLP CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER		PROJECT NAME		PARAMETERS				LAB ID #.			
222165.5134.0710		Conn DOT - Bridge 02295, Norwalk, CT									
INSPECTOR: (SIGNATURE)		(PRINTED)									
		Robert Belding									
FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	RCRA Pb	RCRA Pb, AS, CR, CD	8 RCRA Metals	Total Pb	TCLP Pb	MATERIAL
			COMP	GRAB							
1-A	10/5/15	1440		X	Bridge Sidewalk				X		Paint Chip - Green
1-B	10/5/15	1442		X	Bridge Girder				X		Paint Chip - Green
1-C	10/5/15	1420		X	Bridge Girder					X	TCLP - Green
2-A	10/5/15	1455		X	East Utility Room - Ceiling				X		Paint Chip - Tan
2-B	10/5/15	1456		X	East Utility Room - Wall				X		Paint Chip - Tan
2-C	10/5/15	1450		X	East Utility Room - Ceiling					X	TCLP - Tan
3	10/5/15	1405		X	Inner/Outer West Utility Rooms - Floor				X		TCLP - Grey
4	10/5/15	1445		X	Sidewalk Grate				X		TCLP - Yellow

Relinquished by: (Signature)		Date:	Received by: (Signature)		Date:	Relinquished by: (Signature)		Date:	Received by: (Signature)		
		10/6/15			10/6/15						
(Printed)		Time:	(Printed)		Time:	(Printed)		Time:	(Printed)		
Robert Belding		1600									
Remarks: For Each Series - If A or B have Detectable Pb, Analyze C. If A or B have NO Pb, Don't Analyze C.										Page 1 of 1	



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



January 26, 2004

Mr. Erik R. Plimpton, P.E., CHMM, Senior Consulting Engineer
TRC Environmental Corporation
5 Waterside Crossing
Windsor, CT 06095

RE: Characterization of lead-based paint debris.

Dear Mr. Plimpton:

Pursuant to our recent discussions by email, I am writing to confirm that the policy elaborated in my July 22, 1997 letter to Steven Murdzia of ATC Associates concerning the use of XRF testing to characterize lead-based paint debris is still in effect. In particular, my statement in that letter that obtaining an XRF reading less than 1.0 mg/cm^2 is sufficient to demonstrate that a given debris is not a hazardous waste is still our current policy.

As noted in my July 22, 1997 letter, this policy is subject to the following limitations:

- 1.) The material being sampled consists only of building debris (such as painted wood or masonry). Non-debris materials (such as concentrated paint chips, sand blasting debris, or paint stripping wastes) may not be characterized in this manner.
- 2.) The material being sampled has only surficial lead contamination (i.e. lead-based paint). Materials which have more than just surficial contamination (such as floor boards soaked with lead plating solutions) may not be characterized in this manner.
- 3.) The material is sampled in accordance with appropriate protocols regarding sampling frequency and location, to ensure that the reading of 1.0 mg/cm^2 or less is truly representative of the material as a whole.

I should also note that this approach is only useful in situations in which all of a particular debris stream does not exceed 1.0 mg/cm^2 . If portions of the debris stream exceed 1.0 mg/cm^2 , you cannot use this standard to characterize the debris, and must resort to another method (such as composite sampling). In addition, in employing this method to characterize the debris, the areas which had XRF readings under the 1.0 mg/cm^2 limit must not be ignored (since falling below the standard only means they are not hazardous, not that they are lead-free).

My July 22, 1997 letter also addressed the use of the Connecticut Department of Public Health's 0.5 weight percent limit for a "toxic" level of lead under its lead abatement regulations in order to determine whether or not lead-based paint debris is hazardous. Unlike the 1.0 mg/cm² XRF standard, the weight percent number is not appropriate for waste characterization purposes, due to a lack of relevant data. The 1.0 mg/cm² XRF policy discussed above was based on certain data generated by EPA correlating XRF readings to TCLP sampling of architectural debris.¹ While EPA's data did not show a predictable relationship between these two measures, it did indicate that there was an XRF threshold below which such debris did not contain sufficient lead to fail TCLP. However, there is no similar data establishing a similar threshold for weight percent lead in lead-based paint below which debris does not fail TCLP.

I should also note that we intend to include the above policy in the next revision of our lead-based paint guidance document, Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries, which was last revised in 1996, prior to the letter to Mr. Murdzia.

Sincerely,



Ross Q. Bunnell, Sanitary Engineer 3
Bureau of Waste Management
Engineering & Enforcement Division

RQB:rqb

Attachment: March, 1993 EPA Guidance Document

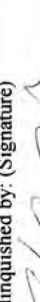


¹ See in particular the March 1993 EPA guidance document entitled "Applicability of RCRA Disposal Requirements to Lead-Based Paint Abatement Wastes," Page 16, Table II. A copy of this guidance document is attached.

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

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID#. 46582

[illegible]

Relinquished by: (Signature) 	Date: 10/6/15	Received by: (Signature) 	10/6/15	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Robert Belding	Time: 1530	(Printed) 1600		(Printed)	Time:	(Printed)
Remarks:				Condition of Samples: _____ Acceptable: Yes _____ No _____ Comments:		



BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0046882
Project #: 222165.5134.0710
Date Received: 10/06/2015
Date Analyzed: 10/07/2015

Site: Bridge 02295, Norwalk, CT

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Grey	Yes	No	--	---	10%	Chrysotile
2	--	--	--	--	--	NA/PS	--
3	Light Grey	Yes	No	--	---	ND	None
4	Light Grey	Yes	No	--	---	ND	None
5	Grey	Yes	No	--	---	ND	None
6	Grey	Yes	No	--	---	ND	None

Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

SNA- Sample Not Analyzed- See Chain of Custody for details

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), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes 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, 2016. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2016. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the 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.

Analyzed by:

Kathleen Williamson, Laboratory Manager

Reviewed by:

Amanda Parkins, Approved Signatory

Date Issued

10/07/2015

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #AAL-007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL014538 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052
AZ #A20944 HI #L-09-004

NY #10980 WV# LT000411
NJ #CT004 CA #2907

NT 15470

TEM Bulk Chain of Custody Record

Date: 10/07/15

PO#: C222165

Client: TRC

Client Job#: 222165.5134.0710

Client Job Ref./Loc.: CT DOT- Bridge 02295

Relinquished by: K. Williamson - KWilliamson@trsolutions.com

Received by: Deen Townsend 10-8-15a 10:00am

Report to:
E. Plimpton - EPlimpton@trcsolutions.com & SArienti@trcsolutions.com

Samplers Name: R. Belding

Turn Around Time:

<12 Hour

<24 Hour

<48 Hour

<3 Day

5 Day

Other:

Analysis Type:	Chatfield	EPA N.O.B	Qualitative

Client ID #	Lab ID#	Description	Location	For Lab Use Only		
				Acceptable on Receipt	Comments	
4	46882	Caulk	See COC			
6	46882	Caulk				
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

ProScience Analytical Services, Inc.

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

Laboratory Report

Client Project #: 222165.5134.0710
Client Reference: CT DOT - Bridge 02295
PO #: C222165
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: NT 15470
Method: NOB
Date Received: 10/8/2015
Date Analyzed: 10/13/2015
Date of Report: 10/13/2015

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types					% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged
					CHR	AMO	ACT	CRO	ANT						
NT118123	4	Light gray rubbery expansion joint caulk		1.5382	.00	.00	.00	.00	.00	.00	43.75	22.01	ND	Yes	No
NT118124	6	Gray stretchy expansion joint caulk		.9427	.00	.00	.00	.00	.00	20.41	46.74	32.85	ND	Yes	No

Comments:

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


Mark Derosier, Analyst

FOR VISION FOR THE DOCUMENT ENTITLED "STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INFRASTRUCTURAL CONSTRUCTION, FORM 816, 2004." (INCLUDING THE LATENT SUPPLEMENT) HEREBY MADE PART OF THIS CONTRACT, AS MODIFIED BY THE SPECIAL PROVISION."

PROJECT NO. 100-12504

510

A C

1-11



SUBJECT Bridge 2295 Norwalk

SHEET NO. _____ OF _____

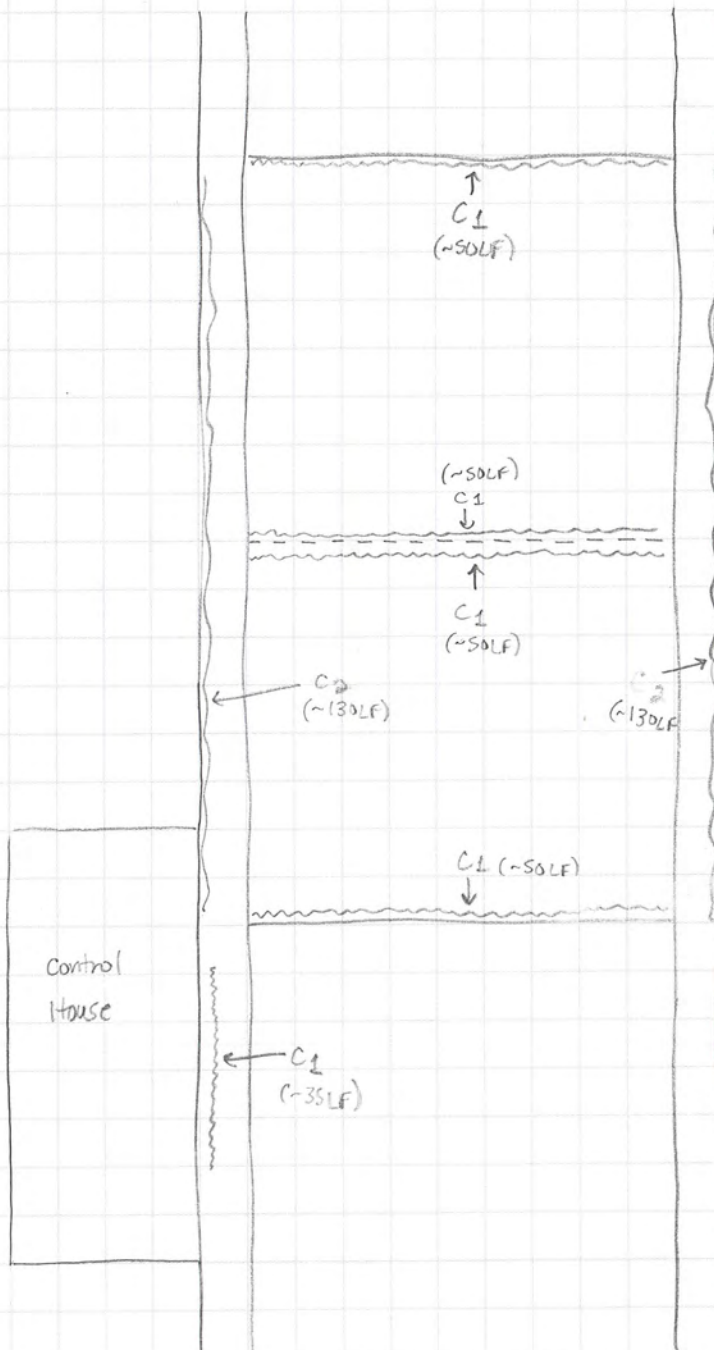
PROJECT NO. 222165.5134.0710

DATE 10/5

BY JG/CS/RB

CHK'D _____

NTS



Bridge No. 02295, Route 136 over Norwalk River, Norwalk



NORWALK

CTO
NEEDS

Introduction

Bridge No. 02295, a double leaf bascule structure, has sustained damage and been inoperable for extended periods during recent storms due to excessive storm tidal surges. In response the Connecticut Department of Transportation (CTDOT) proposes to armor and retrofit the bridge to alleviate future storm tidal surge damage. CTDOT has received funds from the Department of Housing and Urban Development (HUD) to aid in financing the design and implementation of corrective measures.

CTDOT has retained Close, Jensen & Miller (CJM) to aid in planning and perform liaison activities and Hardesty & Hanover (H&H) to perform design. The scope of work to be performed utilizing HUD funds will be limited to the proposed activities described in the Grant Application (See Appendix). Based upon this criterion additional rehabilitation and maintenance repairs will not be included in this project.

A site inspection and project review meeting was conducted March 20, 2015, attended by CTDOT, CJM and H&H representatives. At the meeting CTDOT Bridge Maintenance personnel described the damage that was incurred and the failure aspects of the bridge. Potential retrofit measures were discussed.

Proposed Scope of Retrofit

Based upon review and inspection it appears that the major deficiency of the bridge is its susceptibility to water intrusion above an elevation of 11.0 (NAVD 88) and the inability of the bascule pit pumps to remove the water. The primary area of water intrusion is the front wall of the bascule pit which is below the storm tide elevation. Additionally, it was reported that the control house generator room doors and walls exhibited substantial water leakage during storms. The storm elevation to be designed to were derived from a preliminary Asset Report at a nearby location titled "YELLOW MILL DRAWBRIDGE, (CT 130 OVER YELLOW MILL CHANNEL), BRIDGEPORT, CT (CTDOT)" (see Appendix). Initial review of the facility and discussion of potentially feasible remediation yielded the following proposed measures:

- 1. Raise the front wall of each bascule pit with reinforced concrete and provide a compressible seal between the new wall top and the bottom flange of the superstructure floorbeam which is directly above the front wall. Provide removable system which will seal the bascule leaf girders.
- 2. Provide watertight doors which will preclude water intrusion to the generator room. Rebuild the walls which separate the generator room from the bascule pit with water sealed concrete walls.
- 3. Replace the heaters in the generator room which were destroyed by the latest storm.
- 4. Provide a stand pipe and portable pump system capable of dewatering the bascule pits during extreme events. The pumps should be sized to handle expected leakage and are proposed to be trailer mounted diesel centrifugal pumps.
- 5. Provide waterproof/submersible conduit and junction boxes for the bascule pit pumps and lighting and the center span navigation lights; the fender end navigation lights may be raised above storm surge level.
- 6. Provide submersible span limit switches.

4. Some interior paneling in the Control and Electrical Rooms is identified as aluminum faced hardboard panel. These panels may need to be removed, salvaged, and reinstalled.

5. Existing copper leader pipe with pvc insert may need to be removed and replaced. This copper pipe is assumed to be from original construction and may have some of the original sealant in place at interfaces with existing concrete. Existing details are unknown at this time.

6. Mechanical Rehabilitation will includes realignment of the auxiliary drive clutches. These clutches are within a housing and there is dust inside. These areas are to be tested.

Bridge #02295, Route 136 over Norwalk River, Norwalk CT

1. Submarine Cable Terminals are now included in the scope of the rehabilitation. These electrical components may be covered in sampling done to date.

2. Existing corroded battery backup and interfacing electrical components are to be removed and properly disposed of.

Steven Harlackner, P.E., S.E., Principal Associate



email: sharlackner@hardesty-hanover.com

address: 59 Elm Street, Suite 406, New Haven, CT 06510

direct line | 475.238.6201

mobile | 203.747.1912

office | 203.772.2857

fax | 203.772.2897

www.hardesty-hanover.com

From: "Brown, Robert P" <Robert.Brown@ct.gov>

To: "'sharlackner@hardesty-hanover.com' (<sharlackner@hardesty-hanover.com>)" <sharlackner@hardesty-hanover.com>.

Cc: "'scugno@cjmpe.com'" <scugno@cjmpe.com>, "Tom Ryan (<tryan@cjmpe.com>)" <tryan@cjmpe.com>, "Reilly, Robert A." <Robert.Reilly@ct.gov>

Date: 10/30/2015 11:26 AM

Subject: FW: 2015_10_27_15-372_102-357_Draft-ROM_ResolutionMeeting

Environmental Compliance comments on ROM for Movables.

From: Reilly, Robert A.

Sent: Friday, October 30, 2015 10:59 AM

To: Brown, Robert P

Subject: 2015_10_27_15-372_102-357_Draft-ROM_ResolutionMeeting

Hi Bob,

My comments are attached.

Thanks,

Bob[attachment "2015_10_27_15-372_102-357_Draft-ROM_ResolutionMeeting.doc" deleted by Steven Harlackner/Hardesty_Hanover]