



July 14, 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: A. Fox, P.E. / R. Levesque, P.E.

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 04.27-01(15)
HazMat Inspection - Bridge Nos. 00061, 00062 & 00064, Norwalk/Westport, CT
ConnDOT Assignment No. 514-5206
ConnDOT Project No. 102-295
TRC Project No. 222165.5206.0710

Dear Mr. Bonsignore:

TRC performed a limited survey for hazardous building materials associated with the rehabilitation of Bridge Nos. 00061, 00062 & 00064 in Norwalk/Westport, Connecticut. Lead paint is presently presumed on the structural steel/metal bridge components at Bridge No. 00061 (not safely accessible). Results of the survey identified lead paint to be present on the railing/guardrail components (0.1-2.1 mg/cm²) of Bridge No. 00061 and the structural steel/metal bridge components of Bridge No. 00062 (0.2-11.8) and Bridge No. 00064 (3.0 mg/L). However, lead paint on the structural steel/metal bridge components at Bridge No. 00064 are not expected to be impacted. Any paint waste debris generated from the structural steel/metal bridge components at Bridge No. 00061 is presently presumed as EPA RCRA/CTDEEP hazardous waste pending actual characterization testing when accessible. The projected paint waste debris of the railings/guardrail components (4.9 mg/L) at Bridge No. 00061 and the structural steel/metal bridge components (3.0 mg/L) at Bridge No. 00064 were characterized as non-hazardous, non-RCRA waste. At Bridge No. 00062, results obtained from TCLP waste stream sampling and analysis for leachable lead from the paint on the structural steel/metal bridge components (280 mg/L) and the metal railings components (5.0 mg/L) characterized the paint waste stream as EPA RCRA/CTDEEP hazardous waste.

At Bridge No. 00061, black sidewalk expansion joint filler caulking (between side walk sections and parapet walls) and grey caulking around metal railing supports (top side of bridge) were sampled and found to contain asbestos. Also, there are presumed transite pipes beneath Bridge No. 00061. At Bridge No. 00064, black expansion joint caulking in middle of the abutments (beneath the bridge) was sampled and found to contain asbestos. Expansion joint flashing (Bridge No. 00061), cloth bearing pads (Bridge Nos. 00062 & 00064), black vapor barrier (bridge No. 00062), black expansion joints (Bridge No. 00062 & 00064), grey caulking around railing support pads (Bridge No. 00062) and black railing pads (Bridge No. 00064) were sampled and found to contain no asbestos. No bird/pigeon guano accumulations were observed around in accessible areas of the 3 bridges. CTDEEP Special Waste (tire) was identified at base of the abutment of Bridge No. 00062. Associated laboratory data, project description, site map and site photos 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 #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: CT DOT - Bridge Nos. 00061, 00062 & 00064
Project #: 22165.5206.0710
Date(s): 11/12/2015
Inspector: David Heelon (Lead Inspector/RA #002188)

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									188.6	11/12/2015 11:29
2			0.3 calibration						0.3	0.1	1.0	2.9	11/12/2015 11:33
3			1.6 calibration						1.5	0.2	1.1	3.8	11/12/2015 11:33
4			3.5 calibration						3.9	0.3	1.3	9.0	11/12/2015 11:34
5			0.7 calibration						0.7	0.1	1.1	3.8	11/12/2015 11:35
6	Exterior	Norwalk	Bridge No. 00061	Fence	Post	Metal	Silver	Defective	0.1	0.1	1.2	4.2	11/12/2015 11:38
7	Exterior	Norwalk	Bridge No. 00061	Fence	Post	Metal	Silver	Defective	0.1	0.1	1.0	2.7	11/12/2015 11:41
8	Exterior	Norwalk	Bridge No. 00061	Fence	Post	Metal	Silver	Defective	0.2	0.1	1.5	4.6	11/12/2015 11:43
9	Exterior	Norwalk	Bridge No. 00061	Fence	Post	Metal	Silver	Defective	0.2	0.1	1.5	4.2	11/12/2015 11:44
10	Exterior	Norwalk	Bridge No. 00061	Abutment		Concrete	Silver	Defective	0.0	0.0	2.2	5.4	11/12/2015 11:46
11	Exterior	Norwalk	Bridge No. 00061	Abutment		Concrete	Silver	Defective	0.0	0.0	3.2	4.8	11/12/2015 11:47
12	Exterior	Norwalk	Bridge No. 00061	Fence	Post	Metal	Silver	Defective	0.2	0.2	1.4	2.9	11/12/2015 11:51
13	Exterior	Norwalk	Bridge No. 00061	Fence	Post	Metal	Silver	Defective	0.2	0.1	1.2	4.2	11/12/2015 11:51
14	Exterior	Norwalk	Bridge No. 00061	Fence	Post	Metal	Silver	Defective	2.1	0.6	1.9	3.1	11/12/2015 12:04
15	Exterior	Norwalk	Bridge No. 00061	Guardrail	Post	Metal	Silver	Defective	2.1	0.9	3.2	7.5	11/12/2015 12:10
16	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	10.2	2.9	2.0	3.1	11/12/2015 12:32
17	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	10.4	5.6	1.8	2.1	11/12/2015 12:33
18	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	11.5	5.8	1.8	2.1	11/12/2015 12:35
19	Exterior	Westport	Bridge No. 00062	Bearing	--	Metal	Tan/Beige	Defective	9.8	4.5	1.8	2.5	11/12/2015 12:36
20	Exterior	Westport	Bridge No. 00062	Bearing	--	Metal	Tan/Beige	Defective	10.4	5.2	2.2	2.1	11/12/2015 12:37
21	Exterior	Westport	Bridge No. 00062	Bearing	--	Metal	Tan/Beige	Defective	10.2	5.4	1.8	2.1	11/12/2015 12:37
22	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	7.2	8.1	1.9	0.2	11/12/2015 12:49
23	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	6.3	6.9	1.8	0.2	11/12/2015 12:49
24	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	9.0	4.8	1.8	2.3	11/12/2015 12:50
25	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	11.8	6.0	1.7	2.1	11/12/2015 12:50
26	Exterior	Westport	Bridge No. 00062	Girder	--	Metal	Tan/Beige	Defective	10.3	5.6	1.8	2.1	11/12/2015 12:50
27	Exterior	Westport	Bridge No. 00062	Bearing	--	Metal	Tan/Beige	Defective	3.9	0.9	1.5	2.1	11/12/2015 12:51
28	Exterior	Westport	Bridge No. 00062	Bearing	--	Metal	Tan/Beige	Defective	3.4	0.8	1.6	2.7	11/12/2015 12:52
29	Exterior	Westport	Bridge No. 00062	Bearing	--	Metal	Tan/Beige	Defective	2.7	0.6	1.3	2.3	11/12/2015 12:52
30	Exterior	Westport	Bridge No. 00062	Railing	--	Metal	Silver	Defective	0.0	0.0	1.7	4.4	11/12/2015 12:59
31	Exterior	Westport	Bridge No. 00062	Railing	--	Metal	Silver	Defective	0.8	0.2	1.8	4.0	11/12/2015 12:59
32	Exterior	Westport	Bridge No. 00062	Railing	--	Metal	Silver	Defective	0.0	0.0	1.2	4.0	11/12/2015 13:00
33	Exterior	Westport	Bridge No. 00062	Railing	--	Metal	Silver	Defective	0.0	0.0	1.0	3.3	11/12/2015 13:01
34	Exterior	Westport	Bridge No. 00062	Railing support	--	Metal	Silver	Defective	0.6	0.2	2.4	3.3	11/12/2015 13:02
35	Exterior	Westport	Bridge No. 00062	Railing support	--	Metal	Silver	Defective	1.3	0.3	2.4	5.0	11/12/2015 13:03
36	Exterior	Westport	Bridge No. 00062	Railing support	--	Metal	Silver	Defective	0.9	0.2	2.9	10.4	11/12/2015 13:05
37	Exterior	Westport	Bridge No. 00062	Railing support	--	Metal	Silver	Defective	0.4	0.2	4.4	3.3	11/12/2015 13:05
38	Exterior	Westport	Bridge No. 00062	Railing support	--	Metal	Silver	Defective	0.2	0.2	2.7	3.3	11/12/2015 13:06
39	Exterior	Westport	Bridge No. 00064	Girder	--	Metal	Green	Defective	0.0	0.0	1.0	2.7	11/12/2015 13:35
40	Exterior	Westport	Bridge No. 00064	Girder	--	Metal	Green	Defective	0.0	0.0	1.4	2.5	11/12/2015 13:35
41	Exterior	Westport	Bridge No. 00064	Girder	NW Side	Metal	Green	Defective	0.0	0.0	1.3	2.7	11/12/2015 13:38
42	Exterior	Westport	Bridge No. 00064	Bearing	NW Side	Metal	Green	Intact	0.0	0.0	1.0	2.7	11/12/2015 13:40



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: CT DOT - Bridge Nos. 00061, 00062 & 00064
Project #: 222165.5206.0710
Date(s): 11/12/2015
Inspector: David Heelon (Lead Inspector/RA #002188)

Number	Interior/ Exterior	Location	Bridge No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
43					VOID								
44	Exterior	Westport	Bridge No. 00064	Bearing	NW Side	Metal	Green	Intact	0.0	0.0	1.9	10.5	11/12/2015 13:42
45	Exterior	Westport	Bridge No. 00064	Bearing	NW Side	Metal	Green	Intact	0.0	0.0	1.3	5.9	11/12/2015 13:43
46	Exterior	Westport	Bridge No. 00064	Bearing	NW Side	Metal	Green	Intact	0.0	0.0	1.0	3.1	11/12/2015 13:44
47									0.3	0.1	1.1	3.6	11/12/2015 13:59
48									1.5	0.4	1.1	2.3	11/12/2015 14:00
49									3.7	0.4	1.3	3.4	11/12/2015 14:00

80 Lupes Drive
Stratford, CT 06615



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

Client: Mr. David Heelon
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 5110355

Report Date: November 18, 2015
Project: DOT Bridges, 61,62,64, Norwalk/Westport
Project Number: 222165.5206.0710

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



New York Certification: 11982
Rhode Island Certification: 199

CET #: 5110355

Project: DOT Bridges, 61,62,64, Norwalk/Westport

Project Number: 222165.5206.0710

SAMPLE SUMMARY

The sample(s) were received at 25.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
1	5110355-01	Paint Chip	11/12/2015 10:42	11/13/2015
2	5110355-02	Paint Chip	11/12/2015 11:30	11/13/2015
3	5110355-03	Paint Chip	11/12/2015 11:42	11/13/2015
4	5110355-04	Paint Chip	11/12/2015 12:05	11/13/2015
5	5110355-05	Paint Chip	11/12/2015 12:08	11/13/2015

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
5110355-05	5	ND	0.10	%	1	B5K1618	11/16/2015	11/17/2015 16:37	

Analyte: TCLP Lead [EPA 6020A]

Analyst: SS

Prep: EPA 3005A-1311

Matrix: Extract

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
5110355-01	1	4.9	0.013	mg/L	1	B5K1728	11/17/2015	11/17/2015 16:37	
5110355-02	2	5.0	0.013	mg/L	1	B5K1728	11/17/2015	11/17/2015 16:56	
5110355-03	3	280	0.013	mg/L	1	B5K1728	11/17/2015	11/17/2015 17:01	
5110355-04	4	3.0	0.013	mg/L	1	B5K1728	11/17/2015	11/17/2015 17:06	

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 #: 5110355

Project: DOT Bridges, 61,62,64, Norwalk/Westport

Project Number: 222165.5206.0710

CERTIFICATIONS

Certified Analyses included in this Report

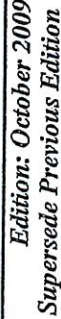
Analyte	Certifications
<i>EPA 6010C in Solid</i>	
Lead	CT
<i>EPA 6020A in Soil</i>	
Lead	CT,NY

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



ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

CHAIN OF CUSTODY

Table 1

PROJECT NUMBER		PROJECT NAME		PARAMETERS						TURNAROUND TIME				
22-2165-5206-0710		D.O.T. Bridge 61, 62, 64 Norwalk/Westport CT								PLM:	8hr	24hr	48hr	3day
SIGNATURE		INSPECTOR								TEM:	24hr	48hr	3day	5day
David Heelon		David Heelon								MATERIAL				
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 (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)					
1	11/12/15	1030	✓	Bridge 61	✓					Sidewalk Black Expansion Joint Filler - (EJI) ↓				
2		1035	✓		✓				X					
3		1042	✓		✓					Black Expansion Joint Flashing (FLI) ↓				
4		1045	✓		✓				X					
5		1052	✓		✓					Gray Caulking around Guard Rail Plates ↓				
6		1100	✓		✓				X					
7		1125	✓	Bridge 62	✓					Cloth Breaker Pad - Gray (BPI) ↓				
8		1127	✓		✓									
9		1135	✓		✓					Black Vapor Barrier under Roadway (VBI) ↓				
10		1137	✓		✓				X					
11		1140	✓	↓	✓					Black Expansion Joint (EJA)				

Relinquished by: (Signature) <i>David Heelon</i>	Date: 11/13/15	Received by: (Signature) <i>[Signature]</i>	Date: 11/13/15	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) David Heelon	Time: 11:00	(Printed) [Signature]	(Printed) 11:00	(Printed)	Time:	(Printed)
Remarks: Please send results to Erik Plimpton				Condition of Samples: Acceptable: Yes ☒ No ☐ Comments:		

Page 1 of 2



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 #. 47247

PROJECT NUMBER 222465.5206.0710		PROJECT NAME D.O.T. Bridge 61, 62, 64 Norwalk/Westport, CT		PARAMETERS					TURNAROUND TIME				
SIGNATURE David Heelon		INSPECTOR David Heelon		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)	PLM: 8hr	24hr	48hr	3day	
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION		MATERIAL							
			COMP	GRAB									
12	11/12/15	1142		✓	Bridge 62	✓		✓					
13		1150		✓		✓							
14		1152		✓		✓		✓					
15		1200		✓		✓							
16		1205		✓		✓							
17		1220		✓	Bridge 64	✓							
18		1222		✓		✓							
19		1230		✓		✓							
20		1238		✓		✓							
21		1241		✓		✓		✓					
22		1244		✓		✓		✓					

Relinquished by: (Signature) David Heelon	Date: 11/13/15	Received by: (Signature) [Signature]	Date: 11/13/15	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) David Heelon	Time: 1100	(Printed) [Signature]	Time: 1100	(Printed)	Time:	(Printed)
Remarks: Please send results to Erik Plimpton				Condition of Samples: Acceptable: Yes _____ No _____ Comments:		



BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0047247
Project #: 222165.5206.0710
Date Received: 11/13/2015
Date Analyzed: 11/17/2015

Site: Bridges #61, 62 & 64, Norwalk/Westport, 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	Black	Yes	No	--	---	10%	Chrysotile
2	--	--	--	--	--	NA/PS	--
3	Black	Yes	No	--	1% cellulose	ND	None
4	Black	Yes	No	--	1% cellulose	ND	None
5	Grey	Yes	No	--	---	3% 5%	Chrysotile Anthophyllite
6	--	--	--	--	--	NA/PS	--
7	Grey	Yes	No	--	40% cellulose	ND	None
8	Grey	Yes	No	--	40% cellulose	ND	None
9	Black/Grey	Yes	No	--	30% cellulose	ND	None
10	Black/Grey	Yes	No	--	30% cellulose	ND	None
11	Black	Yes	No	--	10% cellulose	ND	None
12	Black	Yes	No	--	10% cellulose	ND	None
13	Grey	Yes	No	--	---	ND	None
14	Grey	Yes	No	--	---	ND	None
15	Black	Yes	No	--	10% cellulose	ND	None
16	Black	Yes	No	--	10% cellulose	ND	None
17	Grey	Yes	No	--	80% synthetic fiber	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 MA #AA000052 NY #10980 WV#LT000411
AZ #A20944 HI #L-09-004 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
18	Grey	Yes	No	--	80% synthetic fiber	ND	None
19	Black	Yes	No	--	30% cellulose	3%	Chrysotile
20	--	--	--	--	--	NA/PS	--
21	Black	Yes	No	--	30% synthetic fiber	ND	None
22	Black	Yes	No	--	30% synthetic fiber	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: K. Williamson
Kathleen Williamson, Laboratory Manager

Reviewed by: Aud Park
Amanda Parkins, Approved Signatory

Date Issued
11/17/2015

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 NY #10980 WV# LT000411
AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907

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 #: 222165.5206.0710
Client Reference: CT DOT - Bridge 61, 62 & 64
PO #: C222165
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: NT 15520
Method: NOB
Date Received: 11/19/2015
Date Analyzed: 11/23/2015
Date of Report: 11/23/2015

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				
NT118462	4	Black Expansion Joint Flashing		.1265	.20	.00	.00	.00	.00	.00	67.59	22.37	Yes	No
NT118463	10	Black Vapor Barrier		.3584	.00	.00	.00	.00	.00	.00	37.05	31.81	Yes	No
NT118464	12	Black Expansion Joint		.1579	.70	.00	.00	.00	.00	.00	92.97	2.34	Yes	No
NT118465	14	Grey Caulk		.1265	.00	.00	.00	.00	.00	.00	31.78	18.26	Yes	No
NT118466	16	Black Expansion Joint		.1822	.06	.00	.00	.00	.00	.00	96.05	1.15	Yes	No
NT118467	22	Black Railing Pad		.1506	.00	.00	.00	.00	.00	.00	89.84	5.44	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

SHEET NO. _____ OF _____

PROJECT NO. 272165

DATE 11/2/15

BY BB-DH

CHK'D _____



SUBJECT 3 Bridges DOT Norwalk + Westport

Bridge #00061

FL 2 - black expansion joint flashing - 110 SF @ 8 SF each

C 2 - grey caulking around guard rail plates ~45 SF each - 32 total plates

ES 2 - sidewalk black expansion joint filler - 10 SF

- metal pipe with fiberglass insulation on North side sidewalk (not accessible)
- chain link fence painted as well as guard rail behind
 - guardrail inaccessible
- Lead shots taken
- pictures taken
- pipes underneath bridge - possible transit
- unsafe to reach underside of bridge
- C 2 is not on all plates - remnant
- no gran/HAZ waste
- TCEP paint

Bridge # 00062

- BR 1 - cloth breaker pad - 36 total @ 35 F each
- V32 - black vapor barrier under roadway
- ET 2 - black expansion joint ~ 8 SF
- C2 - grey caulk around railing struts
- ET 3 - expansion joint topside bridge

- no guards/waste etc
- TCR paint
- nixon
- pictures
- ET 2 - only between N and S I-95 (middle of bridge)
- used tire on North side



SUBJECT 3 Dot Bridges Norwalk Westport

SHEET NO. _____ OF _____

PROJECT NO. 222165

DATE 11/21/15

BY BB + DH

CHK'D _____

Bridge 200064

BP2 - catch breaker pad - 36 total ~ 4sf each

EP4 - block expansion joint (only middle of bridge) ~ 10sf

BP3 - railing pad

- TCLP and paint chip taken

- Pictures

- no visible grease/waste

- no lights

- assume catch pad under each pad - 9 abutments @ 18 each (spanning over River)

- All expansion joints on side walls either missing or mortar

- railing on bridge is galvanized

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

memorandum

subject: State Project No. 102-295
Hazardous/Contaminated Materials Screening
I-95 Median Reconstruction and Resurfacing
Norwalk and Westport

date: November 6, 2015

to Mr. Christopher Bonsignore
Principal Engineer
Environmental Compliance
Bureau of Engineering and
Construction

from *T. Morelli*
For: Andy Fesenmeyer
Transportation Supervising Engineer -
Consultant Design Bureau of Engineering
and Construction

The scope of work for the subject project includes the milling and repaving of all lanes and ramps of I-95 from the Norwalk River to the Saugatuck River, a distance of approximately 10,800 feet (2 miles). The superstructure of Bridge No. 0061, Strawberry Hill Road over I-95, will be replaced and raised to improve the vertical clearance. The superstructure of Bridge No. 0062, I-95 over Saugatuck Avenue (Route 33), will be replaced and widened to provide for wider median and lanes for the On and Off-ramps. Other elements to the project include the reconstruction of the existing median with Concrete Barrier, modification of drainage structures, full depth reconstruction of inside and outside shoulders, and new guide rail. The existing Commuter Parking Lot off of Hendricks Avenue, near Exit 16, will be rebuilt and expanded.

The Deck Joints of Bridge No. 0064, I-95 over the Saugatuck River, will also be replaced. Other bridge modifications and minor repairs will be included as warranted.

For your use, a location map of the project area is attached.

Please provide this office with the environmental screening results by December 20, 2015. Review time should be charged to the subject P.E. project number using the appropriate Core unit designation.

If you have any questions concerning this matter, please contact Mr. Andreas Fesenmeyer at 594-3228.

Attachment

Tony Morelli/am

cc: Timothy M. Wilson – Richard B. Armstrong – Andy Fesenmeyer



PHOTO 1

Bridge No. 00061, Norwalk, CT



PHOTO 2

Bridge No. 00062, Westport, CT (below bridge)



PHOTO 3

Bridge No. 00064, Westport, CT (below bridge)