April 18, 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: Judy Nemecek, P.E. / Stephen Clout

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 04.27-01(15)
HazMat Inspection – Sign Supports at Twenty Three (23) Sites, I-95, Groton, Stonington & North Stonington, CT
ConnDOT Assignment No. 514-5281
ConnDOT Project No. 172-342
TRC Project No. 222165.5281.00710

Dear Mr. Bonsignore:

TRC performed a limited survey for hazardous building materials associated with sign support removals at 23 Sites on I-95 in Groton, Stonington and North Stonington, Connecticut. Results of the survey identified the following on the sign support surfaces at the following Sites:

Sign Support Removal Sites:

- Detectable amounts of lead in paint were confirmed present at Site Nos. 1-10, Site No. 12 & Site Nos. 16-22.
- No detectable amounts of lead were identified at Site No. 11, Site No. 13 (galvanized), Site No. 14 (galvanized), Site No. 15 & Site No. 23 (galvanized).
- Projected paint waste debris was characterized as RCRA/CTDEEP hazardous waste at Site Nos. 2-5, Site No. 7, Site No. 12 & Site Nos. 16-20.
- Projected paint waste debris was characterized as non- hazardous, non-RCRA waste at Site No. 1, Site No. 11, Site No. 15, Site No. 21, & Site No. 22.
- Any paint waste debris to be generated at Site No. 6, Site No. 8, Site No. 9 & Site No. 10 is presently presumed as EPA RCRA/CTDEEP hazardous waste pending actual characterization testing when accessible.
- White/grey caulking at the base of the sign support poles at Site Nos. 1-5, Site No. 7, Site No. 16, & Site Nos. 18-22 was found to contain asbestos. A black "gasket-like" suspect asbestos containing material between the upper connection plates at Site No. 14 and Site No. 15 was inaccessible and is presently presumed to contain asbestos.
- No pigeon/bird guano accumulations were identified at any of the Sites.

Laboratory data, Site No. information and photos are attached.

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

Very Truly Yours,

TRC

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

Edmund J. 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:	**Sign Supports - Twenty Three (23) I-95 Resigning, Groton & Stonington**
Project # :	**222165.5281.0710**
Date(s):	**2/29/16-3/02/16**
Inspector:	**Mike Stewart (Lead Inspector/RA #002115)**

Number	Interior/ Exterior	Location	Site No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1			**Self-Calibration**									225.5	2/29/2016 11:12
2			**0.7 calibration**						0.7	0.2	1.0	2.9	2/29/2016 11:16
3			**0.3 calibration**						0.3	0.1	1.0	6.9	2/29/2016 11:17
4			**1.6 calibration**						1.4	0.2	1.1	6.2	2/29/2016 11:18
5	Exterior	Site No. 1	Sign #21193	Support		Metal	Green	Intact	**0.1**	**0.1**	2.4	6.4	2/29/2016 11:35
6	Exterior	Site No. 1	Sign #21193	Support		Metal	Green	Intact	**0.2**	**0.1**	4.3	10.1	2/29/2016 11:36
7	Exterior	Site No. 2	Sign #21194	Support		Metal	Grey	Intact	**3.3**	**0.3**	1.3	5.1	2/29/2016 12:10
8	Exterior	Site No. 2	Sign #21194	Support		Metal	Grey	Intact	**6.2**	**1.4**	1.4	7.6	2/29/2016 12:32
9	Exterior	Site No. 3	Sign #21195	Support		Metal	Grey	Intact	**4.8**	**1.2**	1.4	9.1	2/29/2016 12:54
10	Exterior	Site No. 3	Sign #21195	Support		Metal	Grey	Intact	**5.3**	**1.4**	1.4	7.3	2/29/2016 12:55
11	Exterior	Site No. 4	Sign #21197	Support		Metal	Grey	Intact	**4.0**	**0.4**	1.3	5.0	2/29/2016 13:52
12	Exterior	Site No. 4	Sign #21197	Support		Metal	Grey	Intact	**3.4**	**0.4**	1.3	4.4	2/29/2016 13:52
13	Exterior	Site No. 21	Sign #21293	Support		Metal	Grey	Intact	**4.0**	**0.4**	1.4	4.4	2/29/2016 15:48
14	Exterior	Site No. 21	Sign #21293	Support		Metal	Grey	Intact	**4.6**	**0.4**	1.4	5.5	2/29/2016 15:48
15			**0.7 calibration**			--			0.7	0.1	1.0	3.7	2/29/2016 16:09
16			**0.3 calibration**			--			0.4	0.1	1.1	3.7	2/29/2016 16:09
17			**1.6 calibration**			--			1.6	0.1	1.2	8.7	2/29/2016 16:10
18			**Self-Calibration**									221.5	3/1/2016 10:47
19			**0.7 calibration**						0.8	0.1	1.1	10.2	3/1/2016 10:50
20			**1.0 calibration**						1.2	0.1	1.1	9.2	3/1/2016 10:50
21			**1.6 calibration**						1.7	0.1	1.2	10.4	3/1/2016 10:51
22			**3.6 calibration**						3.5	2.6	1.3	0.4	3/1/2016 10:51
23			**3.6 calibration**						3.7	0.2	1.3	10.6	3/1/2016 10:52
24	Exterior	Site No. 5	Bridge 21198	Support		Metal	Grey	Defective	**3.7**	**0.7**	1.3	3.0	3/1/2016 10:54
25	Exterior	Site No. 5	Bridge 21198	Support		Metal	Grey	Defective	**4.0**	**0.4**	1.3	3.9	3/1/2016 10:55
26	Exterior	Site No. 8	Bridge 21201A	Bracket		Metal	Orange	Defective	**3.7**	**1.0**	1.6	1.9	3/1/2016 11:37
27	Exterior	Site No. 8	Bridge 21201A	Bracket		Metal	Orange	Defective	**2.7**	**0.6**	1.3	2.6	3/1/2016 11:37
28	Exterior	Site No. 9	Bridge 21201B	Bracket		Metal	Orange	Defective	**2.3**	**0.3**	1.4	3.4	3/1/2016 11:38
29	Exterior	Site No. 9	Bridge 21201B	Bracket		Metal	Orange	Defective	**2.7**	**0.3**	1.3	4.6	3/1/2016 11:39
30	Exterior	Site No. 6	Bridge 21199	Bracket		Metal	Orange	Defective	**22.8**	**2.5**	1.8	7.1	3/1/2016 11:57
31	Exterior	Site No. 6	Bridge 21199	Bracket		Metal	Orange	Defective	**6.6**	**2.3**	1.8	3.2	3/1/2016 11:57
32	Exterior	Site No. 7	Sign 21200	Support		Metal	Grey	Defective	**5.6**	**4.1**	1.4	2.1	3/1/2016 12:19
33	Exterior	Site No. 7	Sign 21200	Support		Metal	Grey	Defective	**6.3**	**1.9**	1.6	4.2	3/1/2016 12:20
34	Exterior	Site No. 7	Sign 21200	Support		Metal	Grey	Defective	**3.8**	**0.4**	1.3	5.5	3/1/2016 12:20
35	Exterior	Site No. 15	Sign 21210	Support		Metal	Grey	Defective	0.0	0.0	1.7	3.9	3/1/2016 14:06
36	Exterior	Site No. 15	Sign 21210	Support		Metal	Grey	Defective	0.0	0.0	6.1	10.1	3/1/2016 14:07

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 #24792) X Ray Fluorescence (XRF) Spectrum Analyzer**
Site:	**Sign Supports - Twenty Three (23) I-95 Resigning, Groton & Stonington**
Project # :	**222165.5281.0710**
Date(s):	**2/29/16-3/02/16**
Inspector:	**Mike Stewart (Lead Inspector/RA #002115)**

Number	Interior/ Exterior	Location	Site No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
37	Exterior	Site No. 16	Sign 21212	Support		Metal	Grey	Defective	**5.5**	**1.3**	1.5	7.2	3/1/2016 14:33
38	Exterior	Site No. 16	Sign 21212	Support		Metal	Grey	Defective	**10.2**	**2.0**	1.6	5.7	3/1/2016 14:33
39	Exterior	Site No. 17	Sign 21214	Support		Metal	Grey	Defective	**6.6**	**1.6**	1.4	5.7	3/1/2016 15:12
40	Exterior	Site No. 17	Sign 21214	Support		Metal	Grey	Defective	**8.4**	**1.6**	1.4	6.7	3/1/2016 15:13
41	Exterior	Site No. 10	Sign 21203	Bracket		Metal	Orange	Defective	**2.3**	**0.3**	1.5	5.0	3/1/2016 15:38
42	Exterior	Site No. 10	Sign 21203	Bracket		Metal	Orange	Defective	**0.7**	**0.1**	1.2	3.5	3/1/2016 15:39
43	Exterior	Site No. 10	Sign 21203	Bracket		Metal	Orange	Defective	**1.0**	**0.1**	1.1	5.8	3/1/2016 15:39
44	Exterior	Site No. 10	Sign 21203	Bracket		Metal	Orange	Defective	**1.1**	**0.1**	1.2	12.7	3/1/2016 15:40
45	Exterior	Site No. 11	Sign 21204	Support		Metal	Green	Defective	0.0	0.0	7.0	11.7	3/1/2016 15:51
46	Exterior	Site No. 11	Sign 21204	Support		Metal	Green	Defective	0.0	0.0	4.1	6.2	3/1/2016 15:52
47	Exterior	Site No. 12	Sign 21205	Beam		Metal	Blue	Defective	**6.5**	**3.7**	1.7	3.0	3/1/2016 16:35
	Exterior	Site No. 12	Sign 21205	Beam		Metal	Blue	Defective	**4.1**	**1.1**	1.5	1.8	3/1/2016 16:36
	Exterior	Site No. 12	Sign 21205	Bracket		Metal	Blue	Defective	**3.2**	**0.8**	1.6	2.1	3/1/2016 16:36
	Exterior	Site No. 12	Sign 21205	Bracket		Metal	Blue	Defective	**2.9**	**0.7**	1.5	2.1	3/1/2016 16:36
	Exterior	Site No. 12	Sign 21205	Bracket		Metal	Blue	Defective	**5.2**	**3.2**	1.5	0.5	3/1/2016 16:38
			0.7 calibration						0.7	0.1	1.1	10.3	3/1/2016 16:47
			1.6 calibration						1.5	0.1	1.2	11.1	3/1/2016 16:48
			3.6 calibration						3.9	0.3	1.3	10.6	3/1/2016 16:49
			Self-Calibration									219.5	3/2/2016 11:12
			0.7 calibration						0.8	0.1	1.1	12.3	3/2/2016 11:14
			1.6 calibration						1.4	0.1	1.1	10.5	3/2/2016 11:15
			3.6 calibration						3.5	0.2	1.3	10.4	3/2/2016 11:15
	Exterior	Site No. 18	Sign 21288	Support		Metal	Grey	Defective	**3.6**	**2.8**	1.4	0.4	3/2/2016 11:18
	Exterior	Site No. 18	Sign 21288	Support		Metal	Grey	Defective	**2.8**	**0.3**	1.2	4.1	3/2/2016 11:19
	Exterior	Site No. 18	Sign 21288	Support		Metal	Grey	Defective	**4.4**	**0.4**	1.4	6.7	3/2/2016 11:19
	Exterior	Site No. 22	Sign 21294	Support		Metal	Grey	Defective	**4.2**	**0.4**	1.3	4.9	3/2/2016 12:00
	Exterior	Site No. 22	Sign 21294	Support		Metal	Grey	Defective	**2.8**	**0.3**	1.2	4.4	3/2/2016 12:01
	Exterior	Site No. 20	Sign 21292	Support		Metal	Grey	Defective	**3.1**	**0.6**	1.2	3.2	3/2/2016 12:21
	Exterior	Site No. 20	Sign 21292	Support		Metal	Grey	Defective	**4.9**	**0.5**	1.4	3.9	3/2/2016 12:22
	Exterior	Site No. 19	Sign 21291	Support		Metal	Grey	Defective	**3.3**	**0.6**	1.3	3.2	3/2/2016 12:47
	Exterior	Site No. 19	Sign 21291	Support		Metal	Grey	Defective	**3.6**	**0.4**	1.3	4.2	3/2/2016 12:47
			0.7 calibration						0.7	0.1	1.0	10.2	3/2/2016 12:49
			1.6 calibration						1.5	0.1	1.2	10.2	3/2/2016 12:50
			3.6 calibration						3.8	0.3	1.3	10.3	3/2/2016 12:51

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

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

6030148

Edition: November 2013
Supersede Previous Edition

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165-5281-00710	CT-DOT I-95 Resigning, Groton, Stonington, N. Stonington, CT		24hr / 48hr / X 3day / 5day 24hr / 48hr / 3day / 5day

INSPECTOR: (SIGNATURE)

(PRINTED) Hilton Hernandez

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	RCRA Pb	RCRA Pb, AS, CR, CD	8 RCRA Metals	TCLP Pb	SPLP Pb	Total Pb	MATERIAL
01	02/29/16	1100		X	Sign #21193, US-1 NB				X			Light green paint chips SITE 1
02	02/29/16	1120		X	Sign #21194, I-95 NB				X			Silver/grey paint chips 2
03	02/29/16	1220		X	Sign #21195, Route 184 EB				X			Silver/grey paint chips 3
04	02/29/16	1300		X	Sign #21197, I-95 NB				X			Silver/grey paint chips 4
05	03/01/16	1004		X	Sign #21198, I-95 NB				X			Silver/grey paint chips 5
06	03/01/16	1138		X	Sign #21200, I-95 NB				X			Silver/grey paint chips 7
07	03/01/16	1503		X	Sign #21204, I-95 NB						X	Light green paint chips 11
08	02/29/16	1504		X	Sign #21204, I-95 NB				X			Light green paint chips 11
09	03/01/16	1543		X	Sign #21205, I-95 SB				X			Blue paint chips 12
10	03/01/16	1315		X	Sign #21210, I-95 SB						X	Light green paint chips 15
11	03/01/16	1320		X	Sign #21210, I-95 SB				X			Light green paint chips 15
12	03/01/16	1350		X	Sign #21212, I-95 SB				X			Silver/grey paint chips 16

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/7/16		R Black	3/7/16	
(Printed) Hilton Hernandez	Time: 1130 3/7/16	(Printed) R. Black Jr	(Printed)	Time: 1525	(Printed) Liz Parker

Remarks: Only analyze #8 if #7 shows detectable lead. Only analyze #11 if #10 shows detectable lead.
Results to Steve Arienti and Hilton Hernandez, please.

TRC
21 GRIFFIN ROAD NO
WINDSOR, CONNECT
TELEPHONE (860) 29
FAX (860) 298-6380

6030148

Edition: November 2013
Supersede Previous Edition

P CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165-5281-00710	CT-DOT I-95 Resigning, Groton, Stonington, N. Stonington, CT		24hr ☐ 48hr ☐ X 3day ☐ 5day 24hr ☐ 48hr ☐ 3day ☐ 5day

INSPECTOR: (SIGNATURE)	(PRINTED)
	Hilton Hernandez

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	RCRA Pb	RCRA Pb, AS, CR, CD	8 RCRA Metals	TCLP Pb	SPLP Pb	Total Pb	MATERIAL
13	03/01/16	1425		X	Sign #21214, I-95 SB				X			Silver/grey paint chips 17
14	03/02/16	1039		X	Sign #21288, Route 349 SB				X			Silver/grey paint chips 18
15	03/02/16	1157		X	Sign #21291, Route 349 NB				X			Silver/grey paint chips 19
16	03/02/16	1141		X	Sign #21292, Route 349 NB				X			Silver/grey paint chips 20
17	03/02/16	1500		X	Sign #21293, Route 349 NB				X			Silver/grey paint chips 21
18	03/02/16	1114		X	Sign #21294, Route 349 SB				X			Silver/grey paint chips 22

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/7/16			3/7/16	
(Printed) Hilton Hernandez	Time: 1130	(Printed)	(Printed)	Time: 1521	(Printed) Liz Puncer

Remarks: Only analyze #8 if #7 shows detectable lead. Only analyze #11 if #10 shows detectable lead.
Results to Steve Arienti and Hilton Hernandez, please.

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

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

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

Analytical Report
CET# 6030148

Report Date:March 11, 2016
Project: I-95 Resigning, Groton, Stonington, N. Stonignton
Project Number: 222165-5281-00710

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

NELAP ACCREDITED TNI LABORATORY

New York Certification: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01	6030148-01	Paint Chip	2/29/2016 11:00	03/07/2016
02	6030148-02	Paint Chip	2/29/2016 11:20	03/07/2016
03	6030148-03	Paint Chip	2/29/2016 12:20	03/07/2016
04	6030148-04	Paint Chip	2/29/2016 13:00	03/07/2016
05	6030148-05	Paint Chip	3/01/2016 10:04	03/07/2016
06	6030148-06	Paint Chip	3/01/2016 11:38	03/07/2016
07	6030148-07	Paint Chip	3/01/2016 15:03	03/07/2016
09	6030148-08	Paint Chip	3/01/2016 15:43	03/07/2016
10	6030148-09	Paint Chip	3/01/2016 13:15	03/07/2016
12	6030148-10	Paint Chip	3/01/2016 13:50	03/07/2016
13	6030148-11	Paint Chip	3/01/2016 14:25	03/07/2016
14	6030148-12	Paint Chip	3/02/2016 10:39	03/07/2016
15	6030148-13	Paint Chip	3/02/2016 11:57	03/07/2016
16	6030148-14	Paint Chip	3/02/2016 11:41	03/07/2016
17	6030148-15	Paint Chip	3/02/2016 15:00	03/07/2016
18	6030148-16	Paint Chip	3/02/2016 11:14	03/07/2016

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
6030148-07	07	ND	0.10	%	1	B6C0812	03/08/2016	03/08/2016 18:23	
6030148-09	10	ND	0.10	%	1	B6C0812	03/08/2016	03/08/2016 18:28	

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
6030148-01	01	**0.89**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 16:49	
6030148-02	02	**83**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:07	
6030148-03	03	**74**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:20	
6030148-04	04	**75**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:25	
6030148-05	05	**46**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:29	
6030148-06	06	**36**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:34	
6030148-08	09	**140**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:38	
6030148-10	12	**59**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:43	
6030148-11	13	**55**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:47	
6030148-12	14	**24**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:52	
6030148-13	15	**150**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 17:56	
6030148-14	16	**81**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 18:01	
6030148-15	17	**0.096**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 18:14	
6030148-16	18	**1.1**	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 18:19	

QUALITY CONTROL SECTION

Batch B6C0812 - EPA 6010C

Analyte	Result (%)	RL (%)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6C0812-BLK1)					Prepared: 3/8/2016 Analyzed: 3/8/2016				
Lead	ND	0.10							

Batch B6C1013 - EPA 6010C

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6C1013-BLK1)					Prepared: 3/10/2016 Analyzed: 3/10/2016				
Lead	ND	0.013							
LCS (B6C1013-BS1)					Prepared: 3/10/2016 Analyzed: 3/10/2016				
Lead	0.189	0.013	0.200		94.7	80 - 120			
Duplicate (B6C1013-DUP1)		**Source: 6030148-01**			Prepared: 3/10/2016 Analyzed: 3/10/2016				
Lead	0.897	0.013		0.890			0.794	20	
Matrix Spike (B6C1013-MS1)		**Source: 6030148-01**			Prepared: 3/10/2016 Analyzed: 3/10/2016				
Lead	1.07	0.013	0.200	0.890	88.4	75 - 125			
Matrix Spike Dup (B6C1013-MSD1)		**Source: 6030148-01**			Prepared: 3/10/2016 Analyzed: 3/10/2016				
Lead	1.10	0.013	0.200	0.890	107	75 - 125	3.41	20	

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

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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-tarer organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	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 foun 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.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903

New York Certification 11982
Rhode Island Certification 199

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 Homogenity 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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 6010C in Soil	
Lead	CT,NY
EPA 6010C in Solid	
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

TRC

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

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 47649

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165.5281.00710	CT-DOT I-95 Resigning, Groton, Stonington, N. Stonington, CT		PLM: ☐ 8hr ☐ 24hr X 48hr ☐ 3day TEM: ☐ 24hr X 48hr ☐ 3day ☐ 5day
SIGNATURE	INSPECTOR		
	Hilton Hernandez		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	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)	MATERIAL
01	02/29/16	0931		X	Sign #21193, support column	X				X	White base caulk 5 1/2 1
02	02/29/16	0932		X	Sign #21193, support column	X					White base caulk 1
03	02/29/16	1125		X	Sign #21194, support column	X				X	White base caulk 2
04	02/29/16	1125		X	Sign #21194, support column	X					White base caulk 2
05	02/29/16	1218		X	Sign #21195, support column	X				X	Grey base caulk 3
06	02/29/16	1220		X	Sign #21195, support column	X					Grey base caulk 3
07	02/29/16	1240		X	Sign #21197, support column	X				X	Off-white base caulk 4
08	02/29/16	1241		X	Sign #21197, support column	X					Off-white base caulk 4
09	03/01/16	1005		X	Sign #21198, support column	X				X	Grey base caulk 5
10	03/01/16	1006		X	Sign #21198, support column	X					Grey base caulk 5
11	03/01/16	1131		X	Sign #21200, support column	X				X	Grey base caulk 7

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	03/07/16	3/7/16			
(Printed) Hilton Hernandez	Time: 14:25	(Printed) 1600	(Printed)	Time:	(Printed)

Remarks: Results to Steve Arienti and Hilton Hernandez

Condition of Samples:
Acceptable: Yes ✓ No
Comments:

TRC

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

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 47649

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165.5281.00710	CT-DOT I-95 Resigning, Groton, Stonington, N. Stonington, CT		PLM: 8hr 24hr X 48hr 3day TEM: 24hr X 48hr 3day 5day
SIGNATURE	INSPECTOR		
	Hilton Hernandez		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	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)	MATERIAL	
12	03/01/16	1135		X	Sign #21200, support column	X					Grey base caulk	7
13	03/01/16	1514		X	Sign #21206, support column	X				X	Grey base caulk	13
14	03/01/16	1515		X	Sign #21206, support column	X					Grey base caulk	13
15	03/01/16	1341		X	Sign #21212, support column	X				X	Grey base caulk	16
16	03/01/16	1342		X	Sign #21212, support column	X					Grey base caulk	16
17	03/02/16	1026		X	Sign #21288, support column	X				X	Grey base caulk	18
18	03/02/16	1026		X	Sign #21288, support column	X					Grey base caulk	18
19	03/02/16	1149		X	Sign #21291, support column	X				X	Grey base caulk	19
20	03/02/16	1150		X	Sign #21291, support column	X					Grey base caulk	19
21	03/02/16	1128		X	Sign #21292, support column	X				X	Grey base caulk	20
22	03/02/16	1129		X	Sign #21292, support column	X					Grey base caulk	20

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	03/07/16	3/7/16			
(Printed) Hilton Hernandez	Time: 1425	(Printed) 1600	(Printed)	Time:	(Printed)

Remarks: Results to Steve Arienti and Hilton Hernandez

Condition of Samples:
Acceptable: Yes ✓ No
Comments:

TRC

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

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 47649

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165.5281.00710	CT-DOT I-95 Resigning, Groton, Stonington, N. Stonington, CT		PLM: [ ] 8hr [ ] 24hr [X] 48hr [ ] 3day TEM: [ ] 24hr [X] 48hr [ ] 3day [ ] 5day
SIGNATURE	INSPECTOR		
	Hilton Hernandez		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	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)	MATERIAL
23	02/29/16	1500		X	Sign #21293, support column	X				X	Grey base caulk 21
24	02/29/16	1501		X	Sign #21293, support column	X					Grey base caulk 21
25	03/02/16	1103		X	Sign #21294, support column	X				X	Grey base caulk 22
26	03/02/16	1104		X	Sign #21204, support column	X					Grey base caulk 22

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	03/07/16	3/7/16			
(Printed) Hilton Hernandez	Time: 14.25	(Printed) Williamson 1600	(Printed)	Time:	(Printed)

Remarks: Results to Steve Arienti and Hilton Hernandez

Condition of Samples: _____
Acceptable: Yes ✓ No _____
Comments:

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

TRC
Results you can rely on

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0047649
Project #: 222165.5281.0710
Date Received: 03/08/2016
Date Analyzed: 03/08/2016

Site: I-95 Resigning, Groton, Stonington & N. Stonington, 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	White	Yes	No	--	---	3%	Chrysotile
02	--	--	--	--	--	NA/PS	--
03	White	Yes	No	--	---	3%	Chrysotile
04	--	--	--	--	--	NA/PS	--
05	Grey	Yes	No	--	---	3%	Chrysotile
06	--	--	--	--	--	NA/PS	--
07	Off White	Yes	No	--	---	5%	Chrysotile
08	--	--	--	--	--	NA/PS	--
09	Grey	Yes	No	--	---	3%	Chrysotile
10	--	--	--	--	--	NA/PS	--
11	Grey	Yes	No	--	---	3%	Chrysotile
12	--	--	--	--	--	NA/PS	--
13	Grey	Yes	No	--	---	ND	None
14	Grey	Yes	No	--	---	ND	None
15	Grey	Yes	No	--	---	3%	Chrysotile
16	--	--	--	--	--	NA/PS	--
17	Grey	Yes	No	--	---	5%	Chrysotile

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

TRC
Results you can rely on

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
18	--	--	--	--	--	NA/PS	--
19	Grey	Yes	No	--	---	5%	Chrysotile
20	--	--	--	--	--	NA/PS	--
21	Grey	Yes	No	--	---	3%	Chrysotile
22	--	--	--	--	--	NA/PS	--
23	Grey	Yes	No	--	---	3%	Chrysotile
24	--	--	--	--	--	NA/PS	--
25	Grey	Yes	No	--	---	3%	Chrysotile
26	--	--	--	--	--	NA/PS	--

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.

Analyzed by: K. Williamson — Kathleen Williamson, Laboratory Manager

Reviewed by: Margaret Flanagan — Margaret Flanagan, Approved Signatory

Date Issued 03/08/2016

Proscience Analytical Services, Inc.

NT15644

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

TEM Bulk Chain of Custody Record

Date: 03/08/16

PO#: **C222165**

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

Client: TRC

Client Job#: 222165.5281.0710

Client Job Ref./Loc.: CT DOT- I-95 Resigning, Groton, Stonington & N. Stonington

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

Received by: Margaret Valerio 3/9/16 1220pm

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

Samplers Name: H. Hernandez

Turn Around 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**
13	47649	Caulk	See COC		

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 #: 222165.5281.0710
Client Reference: CT DOT - I-95 Resigning, Groton, Stonington & N. Stonington
PO #: N/A
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: **NT 15644**
Method: NOB
Date Received: 3/9/2016
Date Analyzed: 3/11/2016
Date of Report: 3/11/2016

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	TRE						
NT119380	13	Grey base caulk		.3869	.00	.00	.00	.00	.00	.00	32.03	31.27	36.70	**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

SHEET NO. 1 OF 4

PROJECT NO. 232165281.000710

DATE 02/29/16

BY H & K Co

CHK'D

SUBJECT CT-DOT, Resigning Ex 86 to RT (I 95)

0 = paint chips + TCLP (Total Pb 1st If has Then TCLP)
Total Pb
TCLP regardless
0.1 or above just TCLP

Photos Taken → Ph

✓ #21193 (Site 1)
- Green painted, supports & overhead over road I-95 NB, attached to conc. support pad (unpainted
- XRF = 0.13 + 0.23 — 0.89 TCLP Non Haz
- top of pads 8' x 2' depth unk. — XRF
- Before ex 86 (white) Acm caulk — Yes – Acm

✓ #21194 (Site 2)
- Silver/Grey supports only Pb ~3.3. no paint overhead, Pb ~ 6.2 — Ph
- on concrete pads unpainted 8' x 2' depth unknown — 83 TCLP
- over I-95 NB. before ex 86 — Yes – Acm
- Sampled support column caulk (ACM?) (white) 1"x1" exterior attachments x4 — XRF

✓ #21195 (Site 3)
- silver/grey painted support columns + overhead — Ph
- XRF Pb ~ 51 — 74 TCLP
- on conc. pads unpainted 8' x 2' depth unk. (Ex 86 RTE 184) — Yes – Acm
- Sampled support column caulk (ACM?) "1x1" base @ column (Grey) — XRF
- has lighted "Stop Ahead" Flashing sign
- column pier port has silicone sealant

✓ #21197 (Site 4)
- silver/grey painted support columns + overhead — Ph
- XRF ~ 41 — 75 TCLP
- on concrete unpainted top 2.5' x 10' Depth visible up to 5' — Yes – Acm
- Sample support column caulk (ACM?) North column (off-white) — XRF

✓ #21954 (Site 23)
- hot dipped galvanized NO paint cantilever sign support — Ph.
- base conc. column 4' dia. depth unk. no paint

paint

A

PROJECT NO. 222165.528.00710

DATE 02/29/16 + 03/01/16

BY HH+KG and HH+MS

CHK'D

SUBJECT CT-DOT, Designing EXBS for I-95

✓ #21293 (Site 21)
- Silver/gray paint XRF ~4+ paint on columns + overhead
- 394 NB
- Attached to conc. support pad (no paint)
- sampled support column caulk gray material 1'x1' each X4

Ph
TCLP 0.096
Acm Yes
XRF

03/01/16
HH+MS

✓ #21198 (Site 5)
- silver/gray paint XRF ~4+ paint on columns + overhead I-95 NB
- Attached to conc. support pads no paint
- sampled support column caulk ( ) 1x1 base

Ph.
TCLP 46
Acm Yes
XRF

✓✓ #21201A & B (Site 8 + Site 9)
- Both orange paint, on bridge? NB Access for paint chips
- NO Acm
- XRF ~2.7±
-

NO TCLP
NO Acm
XRF

✓ #21199 (Site 6)
- XRF ~6-22 orange paint
- over Flanders Rd I95 NB
} NO Access for paint chips

Ph
NO TCLP
NO Acm
XRF

✓ #21200
- XRF ~3.8-6 (Site 7)
- painted column + overhead cantilever silver/grey
- gray caulk sampled 2'x2' base
- conc. pad top 7'x4' top depth unknown 4' visible no paint
- column base

Ph
TCLP 36
Acm Yes
XRF

A

SHEET NO. 3 OF 4

PROJECT NO. 222165.5281.CX0710

DATE 03/01/16

BY HH & WS

CHK'D

SUBJECT CT-DOT, Designing EXPS + RI (I-95)

#21209 I-95 SB (Site 14)

- Hot dipped galvanized coating (no paint overhead or columns)
- no caulk in concrete pad (no paint) 4'x4' top, depth unknown
- upper plates @ both ends have suspect material but can't access.

Ph | No TCLP | Acm ? | XRF

#21210 I-95 SB (Site 15)

- painted green 0 x 0.1 overhead + column
- no caulk in conc. pad (no paint) 4'x4' top, depth unknown
- upper plates @ both ends have suspect material but can't access

Ph | TCLP | Tot Pb | XRF | Acm ?

no lead

#21212 I-95 SB (Site 16)

- XRF = ~10 painted overhead + columns silver/gray
- 1'x1' base has grey caulk (sampled) on conc. unpainted pad 8'x2'59 depth unknown

Ph | TCLP | XRF | Acm

Yes

#21214 I-95 SB (Site 17)

- silver/grey paint XRF = ~68+ cantilever all painted
- on conc. pad 3'x3' depth unknown not painted

Ph | TCLP | XRF | NO Acm

55

#21203 I 95 NB (Site 18)

- orange paint 2.3 ± on XRF

} NO ACCESS on Bridge due to fence

PH | NO TCLP | XRF | NO Acm

#21204 (Site 11)

XRF = 0.02 ± 0.01 green paint

3'x3' conc base depth unk, 10 Acm except @ top both sides plate joint has suspect material (no Access. painted columns + overhead

pH | TCLP | Tot Pb | XRF | NO Acm

- | no lead

A

TRC Results you can rely on

PROJECT NO.

DATE 03/01/16, - 03/02/16

BY HH + MS

SUBJECT CT-DOT Resigning Ex 85-RI (I-95)

CHK'D

✓ #21206 (Site 13)

- Exit 90 I95 NB
- No paint @ all
- base 3'X3' conc. unpainted
- lt. gray caulk @ base support

Ph
TCLP
XRF
Acm
No - Acm

✓ #21205 I-95 SB (Site 12)

XRF = ~3± blue paint

NO suspect ACM

Ph
TCLP 140
XRF
Acm

03/02/16

✓ #21286 RT 349 S (Site 18)

XRF = ~4.4 ± silver/gray supports + overhead painted

column support 8'x2' unpainted conc. top depth unk.

Acm caulk on 1'x1' base gray

Ph
TCLP 24
XRF
Acm Yes - Acm

✓ #21294 (Site 22)

XRF = ~4.2 ± silver/gray supports + overhead painted

= column support 8'x2' unpainted conc. top depth unknown

Acm Caulk on 1'x1' base gray

Ph
TCLP 1.1
XRF
Acm Yes - Acm

✓ #21292 (Site 20)

XRF = ~4.9 ± silver/gray supports + columns painted

Column support 8'x2' unpainted conc. pad top 8'x2' depth unknown

ACM caulk on 1'x1' base gray

Ph
TCLP 81 - TCLP
XRF
Acm Yes - Acm

✓ #21291 (Site 19)

Same @ 21292

TCLP - 150

Yes - ACM

A

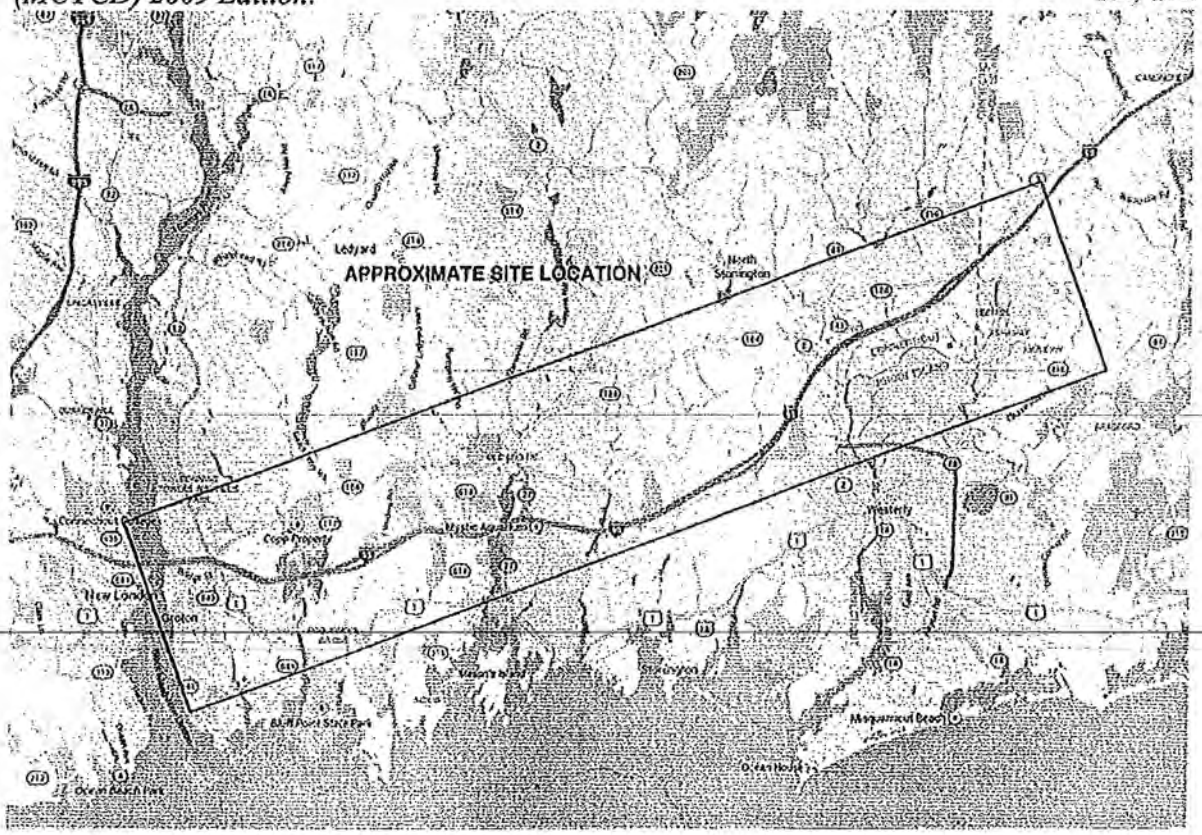
Project No. 172-342
I-95 NB & SB Corridor Resigning
Towns of Groton, Stonington, and North Stonington

Project Description

The project involves replacing and relocating existing overhead and side mounted signs, supports, and foundations on Interstate 95 (I-95) Northbound (NB) and Southbound (SB). The project includes entrance and exit ramps and begins at the Gold Star Bridge (approximate mile point 94.29) and extends to the Connecticut – Rhode Island border (approximate mile point 111.57). The project limits encompass the below Towns.

- Town of Groton
- Town of Stonington
- Town of North Stonington

The scope of the project involves the replacement of only those signs that have exceeded their useful service life, have less than adequate retroreflectivity, as well as those locations that have evidence of sign or sign support damage. Occasionally new sign legends are also being added to the corridor as required based on engineering judgment. Excluded from this project are signs that have been recently replaced by other roadway construction projects, as well as signs that are scheduled to be replaced in the near future under other various construction projects. The project also proposes to replace any existing sign support that is deemed "structurally deficient" by the Bridge Safety and Evaluation Unit. It is also of note that certain sign supports, even though they are structurally sufficient, may need to be replaced due to new sign sizing requirements applicable to newly installed signs set by the *Manual on Uniform Traffic Control Devices (MUTCD) 2009 Edition.*



PROJECT 172-324 LIST OF OVERHEAD SIGN SUPPORT REMOVAL SITES - PAGE 1

(type of coating on existing supports as stated in bridge safety inspection report)

SITE NO.	TOWN/CITY	ROUTE	MILEAGE	SUPPORT NO.	TYPE OF COATING	YEAR BUILT
1	GROTON	US 1 NB	102.28	21193	PAINT GALVANIZED COATING	UNKNOWN
2	GROTON	95 NB	95.05	21194	PAINT GALVANIZED COATING	1990
3	GROTON	184 EB	0.10	21195	PAINT GALVANIZED COATING	1990
4	GROTON	95 NB	95.23	21197	PAINT GALVANIZED COATING	1990
5	GROTON	95 NB	95.69	21198	PAINT GALVANIZED COATING	1990
6	GROTON	95 NB	98.64	21199*	PAINT	1990
7	GROTON	95 NB	98.96	21200**	PAINT GALVANIZED COATING	1990
8	GROTON	95 NB	99.29	21201A*	PAINT	1990
9	GROTON	95 NB	99.29	21201B*	PAINT	1990

PROJECT 172-324 LIST OF OVERHEAD SIGN SUPPORT REMOVAL SITES - PAGE 2

(type of coating on existing supports as stated in bridge safety inspection report)

SITE NO.	TOWN/CITY	ROUTE	MILEAGE	SUPPORT NO.	TYPE OF COATING	YEAR BUILT
10	GROTON	95 NB	100.07	21203*	PAINT	1990
11	GROTON	95 NB	100.48	21204	PAINT GALVANIZED COATING	1990
12	STONINGTON	95 SB	103.50	21205*	PAINT	UNKNOWN
13	STONINGTON	95 NB	EXIT 90 RAMP	21206	HOT-DIPPED GALVANIZED COATING	UNKNOWN
14	GROTON	95 SB	97.21	21209	HOT-DIPPED GALVANIZED COATING	UNKNOWN
15	GROTON	95 SB	96.71	21210	PAINT GALVANIZED COATING	UNKNOWN
16	GROTON	95 SB	95.92	21212	PAINT GALVANIZED COATING	1990
17	GROTON	95 SB	95.12	21214**	PAINT GALVANIZED COATING	UNKNOWN
18	GROTON	349 SB	3.65	21288	PAINT GALVANIZED COATING	UNKNOWN

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(type of coating on existing supports as stated in bridge safety inspection report)

SITE NO.	TOWN/CITY	ROUTE	MILEAGE	SUPPORT NO.	TYPE OF COATING	YEAR BUILT
19	GROTON	349 NB	3.2	21291	PAINT GALVANIZED COATING	1990
20	GROTON	349 NB	3.38	21292	PAINT GALVANIZED COATING	1990
21	GROTON	349 NB	3.79	21293	PAINT GALVANIZED COATING	UNKNOWN
22	GROTON	349 SB S	3.4	21294	PAINT GALVANIZED COATING	UNKNOWN
23	GROTON	184 WB	0.41	21954**	HOT-DIPPED GALVANIZED COATING	2002

* = BRIDGE MOUNTED
** = CANTILEVER

PHOTO 1
Site No. 1 – Sign Support No. 21193

PHOTO 2
Site No. 2 – Sign Support No. 21194

PHOTO 3
Site No. 3 – Sign Support No. 21195

PHOTO 4
Site No. 4 – Sign Support No. 21197

PHOTO 5
Site No. 5 – Sign Support No. 21198

PHOTO 6
Site No. 6 – Sign Support No. 21199

PHOTO 7
Site No. 7 – Sign Support No. 21200

PHOTO 8
Site No. 8/9 – Sign Support Nos. 21201A & 21201B

PHOTO 9
Site No. 10 – Sign Support No. 21203

PHOTO 10
Site No. 11 – Sign Support No. 21204

PHOTO 11
Site No. 12 – Sign Support No. 21205

PHOTO 12
Site No. 13 – Sign Support No. 21206

PHOTO 13
Site No. 14 – Sign Support No. 21209

PHOTO 14
Site No. 15 – Sign Support No. 21210

PHOTO 15
Site No. 16 – Sign Support No. 21212

PHOTO 16
Site No. 17 – Sign Support No. 21214

PHOTO 17
Site No. 18 – Sign Support No. 21288

PHOTO 18
Site No. 19 – Sign Support No. 21291

PHOTO 19
Site No. 20 – Sign Support No. 21292

PHOTO 20
Site No. 21 – Sign Support No. 21293

PHOTO 21
Site No. 22 – Sign Support No. 21294

PHOTO 22
Site No. 23 – Sign Support No. 21954