February 5, 2013

Mr. Gregory M. Dorosh, 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: C. Bonsignore, PE/C. Smith

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 08.24-03(11)
Supplemental HazMat Inspection – **Concrete Abutment Coating**
Bridge 00706, RT 15 over RT 137 – Stamford, CT
ConnDOT Assignment No. 504-4446
ConnDOT Project No. 135-270
TRC Project No. 183572.4446.00710

Dear Mr. Dorosh:

TRC performed a supplemental limited survey for lead based paint associated with the concrete coating on the abutments of Bridge 00706 where RT 15 crosses over RT 137 in Stamford. Previously, TRC had inspected the metal rail & frieze at the bridge and found no detectable levels of lead present. Subsequently however, a decision was made to also remove the existing concrete abutment coating as part of the renovation, which required the supplemental inspection. Results of the supplemental survey did identify very low levels of lead based paint (LBP) to be present on the concrete abutments (66 ppm). Initial sampling of the projected paint waste however, characterized the paint debris as non-hazardous C&D waste (ND<0.013 mg/l). Lab data is attached.

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

Very Truly Yours,

TRC

Erik R. Plimpton, P.E., CHMM
Program Manager

Edmund J. 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:	CT DOT - Bridge 00706, Stamford, CT
Project # :	183572-4446-00710
Date(s):	1/29/2013
Inspector:	Thomas J. Martin (Lead Inspector #002079)

Number	Interior/ Exterior	Bridge	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1	Self Calibration							1.6	0		187.01	1/29/2013 11:36
2	Calibration							0.0	0.02	1	2.43	1/29/2013 11:39
3	Calibration							0.3	0.06	1.1	5.36	1/29/2013 11:40
4	Calibration							1.5	0.1	1.12	5.05	1/29/2013 11:40
5	Exterior	CT DOT Stamford 00706	Abutment	SE corner	concrete	Tan/Beige	INTACT	0.0	0.02	1.56	2.77	1/29/2013 11:44
6	Exterior	CT DOT Stamford 00706	Abutment	SE corner	concrete	Tan/Beige	INTACT	0.0	0.02	2.3	5.37	1/29/2013 11:44
7	Exterior	CT DOT Stamford 00706	Abutment	SE corner	concrete	Tan/Beige	INTACT	0.0	0.02	1.31	4.22	1/29/2013 11:48
8	Exterior	CT DOT Stamford 00706	Abutment	SW corner	concrete	Tan/Beige	INTACT	0.0	0.02	1	4.54	1/29/2013 11:48
9	Exterior	CT DOT Stamford 00706	Abutment	SW corner	concrete	Tan/Beige	INTACT	0.0	0.05	1	0.32	1/29/2013 11:49
10	Exterior	CT DOT Stamford 00706	Abutment	SW corner	concrete	Tan/Beige	INTACT	0.1	0.04	4.07	7.32	1/29/2013 11:49
11	Exterior	CT DOT Stamford 00706	Abutment	SE corner	concrete	Tan/Beige	INTACT	0.0	0.02	1	4.05	1/29/2013 11:52
12	Exterior	CT DOT Stamford 00706	Abutment	SE corner	concrete	Tan/Beige	INTACT	0.0	0.03	1.59	2.93	1/29/2013 11:52
13	Calibration		--					0.0	0.02	1	2.27	1/29/2013 11:56
14	Calibration		--					0.3	0.11	1.04	3.09	1/29/2013 11:57
15	Calibration		--					1.5	0.1	1.09	5.05	1/29/2013 11:57

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

Side A = Street side; Sides B,C,D follow clockwise

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615

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

Client: Mr. Erik Plimpton
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET # 13010518

Report Date: February 1, 2013
Client Project: CTDOT Stamford Bridge 00706, Stamford
Client Project #: 183572-4446-00710

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date	Collection Time	Receipt Date
AF24224	01-00706-Conc	Solid	1/29/2013	10:35	01/30/2013

Sample temperature upon receipt was 18.2 degrees C

PREP ANALYSIS:

Acid Digestion [EPA 3050B]

Client ID	01-00706-Conc
CET ID	AF24224
Date Analyzed	1/31/2013

TCLP, Metals [EPA 1311]

Client ID	01-00706-Conc
CET ID	AF24224
Date Analyzed	1/31/2013

ANALYSIS:

Total Solids [EPA 160.3 mo] Units: percent

Client ID	01-00706-Conc
CET ID	AF24224
Date Analyzed	1/31/2013
Total Solids	96

Total Metals [EPA 6010C] Units: mg/kg (Dry Wt)

Client ID	01-00706-Conc
CET ID	AF24224
Date Analyzed	1/31/2013
Dilution	1.0
Lead	66

TCLP Metals [EPA 6020A] Units: mg/l

Client ID	01-00706-Conc
CET ID	AF24224
Date Analyzed	2/1/2013
Dilution	1.0
Lead	ND < 0.013

TCLP Metals Dup by ICP/MS [EPA 6020A] Units: mg/l

Client ID	01-00706-Conc
CET ID	AF24224
Date Analyzed	2/1/2013
Dilution	1.0
Lead	ND < 0.013

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:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. 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.
5. All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

13010518

Edition: September 2007
Supersede Previous Edition

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

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
183572-4446-00710	CTDOT – Stamford Bridge 00706 Stamford, CT		TCLP ☐ 24hr X 48hr ☐ 3day ☐ 5day ☐ 24hr ☐ 48hr ☐ 3day ☐ 5day
INSPECTOR: (SIGNATURE)	(PRINTED) Tom Martin		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	TCLP Pb	Total Pb	8 RCRA Metals			MATERIAL
01-00706-Conc	1/29/13	1035			Southeast bridge side	X	X				Beige paint on concrete

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1/29/13	1/30/13 13:30			
(Printed) Tom Martin	Time: 1505	(Printed)	(Printed)	Time:	(Printed)
Results to E. Plimpton		18.0°N			Page 1 of 1

TRC

Lead Based Paint Measurement Summary Table

Device(s):	Niton XLP301-A (Serial #25555) X Ray Fluorescence (XRF) Spectrum Analyzer
Site:	CT DOT - Bridge 00706 Railing & Frieze, Stamford, CT
Project # :	183572.4446.0710
Date(s):	6/26/2012
Inspector:	Chris Gaines (Lead Inspector #002219)

Number	Interior/ Exterior	Bridge	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1		Self Calibration										138.9	6/26/2012 8:53
2		0.3 Calibration							0.3	0.1	1.0	3.8	6/26/2012 8:57
3		0.7 Calibration							0.7	0.1	1.0	3.6	6/26/2012 8:58
4		1.5 Calibration							1.4	0.1	1.1	6.3	6/26/2012 8:58
5	Exterior	dot stamford 00706		frieze		metal	silver	defective	0.0	0.0	1.6	2.9	6/26/2012 9:21
6	Exterior	dot stamford 00706		frieze		metal	silver	defective	0.0	0.0	4.0	3.8	6/26/2012 9:22
7	Exterior	dot stamford 00706		frieze		metal	silver	defective	0.0	0.0	1.0	3.1	6/26/2012 9:22
8	Exterior	dot stamford 00706		frieze		metal	silver	defective	0.0	0.0	1.0	2.9	6/26/2012 9:22
9	Exterior	dot stamford 00706		railing		metal	silver	defective	0.0	0.0	1.9	3.6	6/26/2012 9:23
10	Exterior	dot stamford 00706		railing	post	metal	silver	defective	0.0	0.0	1.0	2.0	6/26/2012 9:24
11	Exterior	dot stamford 00706		railing		metal	silver	defective	0.0	0.0	1.0	4.5	6/26/2012 9:25
12		0.0 Calibration							0.0	0.0	2.3	3.1	6/26/2012 13:52
13		1.0 Calibration							1.0	0.1	1.1	20.3	6/26/2012 13:53
14		0.7 Calibration							0.6	0.2	1.0	2.9	6/26/2012 13:53
15		0.0 Calibration							0.0	0.1	5.5	2.9	6/26/2012 14:08
16		1.0 Calibration							1.0	0.1	1.1	20.3	6/26/2012 14:09
17		0.7 Calibration							0.7	0.1	1.0	3.8	6/26/2012 14:10

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

Side A = Street side; Sides B,C,D follow clockwise

TRC

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

Edition: September 2007
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CHAIN OF CUSTODY

LAB ID #. C270920

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
183572.4446.0710	CTDOT – Stamford Bridge 00706 Pb Rail & Frieze Inspection Stamford, CT		X 24hr; 48hr; 3day; 5day 24hr; 48hr; 3day; 5day
SIGNATURE	INSPECTOR Stephen Arienti		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	AAS Pb Paint Chip					NOTES
01-00706	6/26/12	0930			Bridge 00706	X					Silver paint 434972

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Stephen Arienti	6/28/12	6/29/12 Doreen Townsend 10:55am			
	Time: 1430	(Printed)	(Printed)	Time:	(Printed)

Remarks: Report to sarienti@trcsolutions.com

ProScience Analytical Services, Inc.
22 Cummings Park, Woburn, MA 01801

Telephone: 781-935-3212
Facsimile: 781-932-4857
Email: chemistry@proscience.net

Laboratory Report

Contact: Stephen Arienti
Client: TRC
Address: 21 Griffin Road North
Windsor, CT 06095

Batch #: C 270920
Date received: 6/29/2012
Date analyzed: 6/29/2012
Date of report: 6/29/2012

Project # 183572.4446.0710
P.O.# C183572
Project Site: CTDOT - Stamford Bridge 00706
Pb Rail & Frieze Inspection -Stamford, CT

AIHA-LAP, LLC Lab ID 102754

Lead Analysis In Paint Using SOP Based on SW846-7420/3051
Results in weight percent on an "as received" weight basis

Lab ID	Client ID	Sample date	Description	Result	Reporting Limit	Comments
C 434972	01-00706	6/26/12	Bridge 00706	<RL	0.016	

Simona Peavey, Tech. Manager Chemistry
Aimee Cormier, Lab Director

Unless otherwise indicated, all samples were received in acceptable condition.
All result apply only to the samples as received and are accurate to no more than two significant figures.
Unless otherwise indicated, all the quality control criteria for the method above have been met.
RL-Reporting Limit(%by weight) Note on units: mg/Kg is the same as ppm by weight.

12070005

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

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
183572.4446.0710	CTDOT – Stamford Bridge 00706 Pb Rail & Frieze Inspection Stamford, CT		X 24hr / 48hr / 3day / 5day 24hr / 48hr / 3day / 5day
SIGNATURE	INSPECTOR Stephen Arienti		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	RCRA Pb					NOTES
01-00706	6/26/12	0930			Bridge 00706	X					Silver paint chips

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	6/28/12	6-29-12 1305		6-29-12	
(Printed) Stephen Arienti	Time: 1430	(Printed) Robert Perlmutter	(Printed) Robert Perlmutter	Time: 1530	(Printed) R. Blake Jr.

Remarks: Report to sarienti@trcsolutions.com

Page 1 of 1

TEMP N 2.7

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615

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 # 12070005

Report Date: July 3, 2012
Client Project: CT DOT, Stamford Bridge 00706 Pb Rail
Client Project #: 183572.4446.0710

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date	Collection Time	Receipt Date
AF07228	01-00706	Paint	6/26/2012	9:30	06/29/2012

Sample temperature upon receipt was 21.2 degrees C

PREP ANALYSIS:

TCLP, Metals [EPA 1311]

Client ID	01-00706
CET ID	AF07228
Date Analyzed	7/2/2012

ANALYSIS:

TCLP Metals [EPA 6020A] Units: mg/l

Client ID	01-00706
CET ID	AF07228
Date Analyzed	7/3/2012
Dilution	10
Lead	0.25

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:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. 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.
5. All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.