



June 19, 2019

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: Amie Maines, P.E. / Felix Mathieu

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No.: 8.07-01 (18)
HazMat Inspection – Bridge No. 03903, Mosher Street over Amtrak Railroad, Groton, CT
ConnDOT Assignment No. 519-5793
ConnDOT Project No. 58-336
TRC Project No. 289951.5793.0710

Dear Mr. Fox:

TRC performed a limited survey for hazardous building materials associated with the rehabilitation of Bridge No. 03903, Mosher Street over Amtrak Railroad in Groton, Connecticut. Results of the survey identified lead paint to be present on the metal road barriers, metal pipe/conduit along south side sidewalk, structural steel/metal bridge components and the wooden sidewalk fence of Bridge No. 03903. Results obtained from TCLP waste stream sampling and analysis for leachable lead from the paint on metal road barrier, metal pipe/conduit along south side sidewalk and structural steel/metal bridge components characterized those paint waste streams as **CTDEEP/RCRA hazardous waste**. Lead waste characterization sampling and testing of the green painted wood sidewalk fence found it to be non-hazardous construction & demolition (C&D) bulky waste. Grey brittle caulking on metal pipe/conduits (C2) was sampled and found to contain asbestos. White hard caulking on the metal road barriers (C1) & hard tan caulking patch caulking (PC1) were sampled and found to contain no detectable amounts of asbestos. The water line pipe that runs along the south side sidewalk was covered in sheet metal and fiberglass insulation (non-suspect for asbestos). Blood-borne pathogens (BBP) concerns (homeless activity, potential human feces, etc.) were identified at Bridge No. 03903. No bird/pigeon guano accumulations were observed in accessible areas of the bridge. Associated laboratory data, inspector notes, TRC Mobile Data Solutions and project descriptions are attached.

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

Very Truly Yours,

TRC

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

Reviewed by:

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



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
 Site: Bridge No. 03903, Groton, CT
 Project #: 289951.6793.0710
 Date(s): 1/25/2019
 Inspectors: Dennis Ryder

Number	Interior/ Exterior	Location	Bridge No.	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm ²)	Precision (mg/cm ²)	Depth Index	Duration (sec)	Date/Time
1			Self Calibration							0.1	0.1	4.8	142.4	1/25/2019 12:29
2			0.0 Calibration							0.7	0.1	1.1	5.9	1/25/2019 12:43
3			0.7 Calibration							3.8	0.2	1.3	6.8	1/25/2019 12:44
4			3.6 Calibration							1.2	0.3	1.2	2.7	1/25/2019 12:45
5	Exterior	Groton	Bridge No. 03903	east	sidewalk fence	--	Wood	Green	Defective	1.0	0.1	1.3	5.7	1/25/2019 12:54
6	Exterior	Groton	Bridge No. 03903	east	sidewalk fence	--	Wood	Green	Defective	1.9	0.1	1.3	10.2	1/25/2019 12:56
7	Exterior	Groton	Bridge No. 03903	east	sidewalk fence	--	Wood	Green	Defective	1.6	0.1	2.0	9.8	1/25/2019 12:59
8	Exterior	Groton	Bridge No. 03903	east	road barrier	--	Metal	Grey	Defective	0.0	0.0	1.6	10.3	1/25/2019 13:02
9	Exterior	Groton	Bridge No. 03903	west	pipe	--	Metal	Grey	Defective	8.2	1.0	1.6	9.0	1/25/2019 13:21
10	Exterior	Groton	Bridge No. 03903	south	cross beam under bridge	--	Metal	Black	Defective	0.5	0.2	1.1	2.3	1/25/2019 13:37
11	Exterior	Groton	Bridge No. 03903	west	cross beam under bridge	--	Metal	Black	Defective	4.6	0.9	1.6	9.0	1/25/2019 13:39
12	Exterior	Groton	Bridge No. 03903	west	cross beam under bridge	--	Metal	Black	Defective	0.0	0.0	1.0	4.3	1/25/2019 14:08
13			0.0 Calibration							0.7	0.1	1.1	4.3	1/25/2019 14:08
14			0.7 Calibration							3.8	0.3	1.3	3.8	1/25/2019 14:09
15			3.6 Calibration											

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

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# 9010643

Report Date: January 31, 2019
Project: Bridge 03903, Groton
Project Number: 289951.5793.0710

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982
Pennsylvania Certificate: 68-02927

CET # : 9010643

Project: Bridge 03903, Groton

Project Number: 289951.5793.0710

SAMPLE SUMMARY

The sample(s) were received at 22.4°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01	9010643-01	Paint Chip	1/25/2019 11:50	01/28/2019
02	9010643-02	Paint Chip	1/25/2019 12:10	01/28/2019
03	9010643-03	Paint Chip	1/25/2019 12:15	01/28/2019
04	9010643-04	Paint Chip	1/25/2019 12:30	01/28/2019
05	9010643-05	Paint Chip	1/25/2019 12:32	01/28/2019

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3051A

Matrix: Paint Chip

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
9010643-04	04	ND	0.10	%	1	B9A3045	01/30/2019	01/31/2019 12:46	

Analyte: TCLP Lead [EPA 6020A]

Analyst: CED

Prep: EPA 3005A-1311

Matrix: Extract

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
9010643-01	01	1300	0.52	mg/L	40	B9A3028	01/30/2019	01/31/2019 12:19	
9010643-02	02	2.6	0.013	mg/L	1	B9A3028	01/30/2019	01/30/2019 18:16	
9010643-03	03	240	0.10	mg/L	8	B9A3028	01/30/2019	01/31/2019 11:55	
9010643-05	05	14	0.013	mg/L	1	B9A3028	01/30/2019	01/30/2019 18:26	

CET # : 9010643

Project: Bridge 03903, Groton

Project Number: 289951.5793.0710

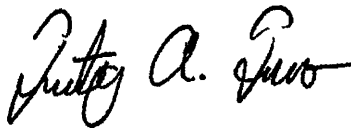
All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Timothy Fusco



David Ditta
Laboratory Director



Project Manager

Report Comments:

Sample Result Flags:

E- The result is estimated, above the calibration range.

H- The surrogate recovery is above the control limits.

L- The surrogate recovery is below the control limits.

B- The compound was detected in the laboratory blank.

P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.

D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.

+ - The Surrogate was diluted out.

*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.

*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.

*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.

*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.

*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

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

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

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

ND is None Detected at or above the specified reporting limit

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

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

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

CET # : 9010643

Project: Bridge 03903, Groton

Project Number: 289951.5793.0710

CERTIFICATIONS

Certified Analyses included in this Report

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

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2020
NY	New York Certification (NELAC)	11982	04/01/2019
PA	Pennsylvania DEP	68-02927	05/31/2019



21 GRIFFIN RD

9010643

Edition: November 2013
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

PROJECT NUMBER

PROJECT NAME

289951, 5793, 0710

Brady 03903 - Groton

INSPECTOR: (SIGNATURE)

(PRINTED)

Zedny Smith

[Signature]

LAB ID #

TURNAROUND TIME

TCLP	24hr	48hr	3day	5day
Total Pb	24hr	48hr	3day	5day

FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	PARAMETERS					MATERIAL	
			COMP	GRAB		RCRA Pb	RCRA Pb, AS, CR, CD	8 RCRA Metals	TCLP Pb	SPLP Pb		Total Pb
01	1/25/10	1150	Y		Only Underst metal				X			Black Paint
02		1210	Y		Fencing				X			Green paint / Wood fencing
03		1215	Y		Only Down				X			Grey Paint
04		1230	Y		Conduit				X			Grey Paint
05		1232	Y		Conduit				X			Grey Paint

Relinquished by: (Signature)

[Signature]

Date:

1/28/10

Received by: (Signature)

[Signature]

1130

Relinquished by: (Signature)

[Signature]

Date:

1/28/10

Received by: (Signature)

[Signature]

Time:

1437

(Printed)

ARMY DUTHY

(Printed)

Zedny Smith

Time:

0700

(Printed)

PERKINS

(Printed)


PERKINS



Results to EPI@epi.com

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

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

LAB ID #. 53311

PROJECT NUMBER	PROJECT NAME		TURNAROUND TIME						
	289951.5793.0710	Bridge 03903 Groton	PLM: 8hr	48hr					
SIGNATURE	INSPECTOR	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: 24hr	48hr	3day
	Zachary Smith						X	X	
FIELD SAMPLE NUMBER	DATE	TIME	COMP	TYPE	SAMPLE LOCATION	MATERIAL	PLM: 24hr	48hr	3day
01	11/25/19	1141	X	X	Along road barriers "	GI - Hard white caulk "			
02		1142	X	X	"	"			
03		1219	X	X	On roadcut "	C2 - brittle grey caulk "			
04		1238	Y	Y	"	"			
05		1247	X	X	throughout bridge "	PCI - hard tan patching caulk "			
06		1248	X	X	"	"			

Relinquished by: (Signature)  (Printed) Zachary Smith	Date: 1/28/19	Received by: (Signature)  (Printed) 0900	Date: 1/28/19	Received by: (Signature)
Remarks:	Time: 0700	Time: 0900	Time:	(Printed)
Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Page of		

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0053311
 Project #: 289951.5793.0710
 Date Received: 01/28/2019
 Date Analyzed: 01/28/2019

Site: Bridge #03903, Groton, 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 (caulk)	Yes	No	--	---	ND	None
02	White (caulk)	Yes	No	--	---	ND	None
03	Grey (caulk)	Yes	No	--	---	5%	Chrysotile
04	--	--	--	--	--	NA/PS	--
05	Tan (caulk)	Yes	No	--	---	ND	None
06	Tan (caulk)	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 (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, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2019. 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: K. Williamson Reviewed by: Cathryn Lemire Date Issued: 01/30/2019
 Kathleen Williamson, Laboratory Manager Cathryn Lemire, Approved Signatory

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907
 CO# AL-15020 PHIL# 461 PA#68-03387

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 #: 289951.5793.0710 **Batch:** NT 17660
Client Reference: CT DOT - Bridge #03903, Groton, CT **Method:** NOB
PO #: C289951.5793.0710 **Date Received:** 2/1/2019
Client #: 297 **Date Analyzed:** 2/6/2019
Client Name: TRC Environmental Corp. (CT) **Date of Report:** 2/6/2019

LAB ID	Field ID	Description:	Color	Initial Weight	CHR	AMO	ACT	CRO	ANT	TRE	% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged
NT132959	02	Hard White Caulk		.3465	.00	.00	.00	.00	.00	.00	9.82	85.19	4.99	ND	Yes	No
NT132960	06	Hard Tan Patching Caulk		.5322	.00	.00	.00	.00	.00	.00	65.80	28.84	5.36	ND	Yes	No

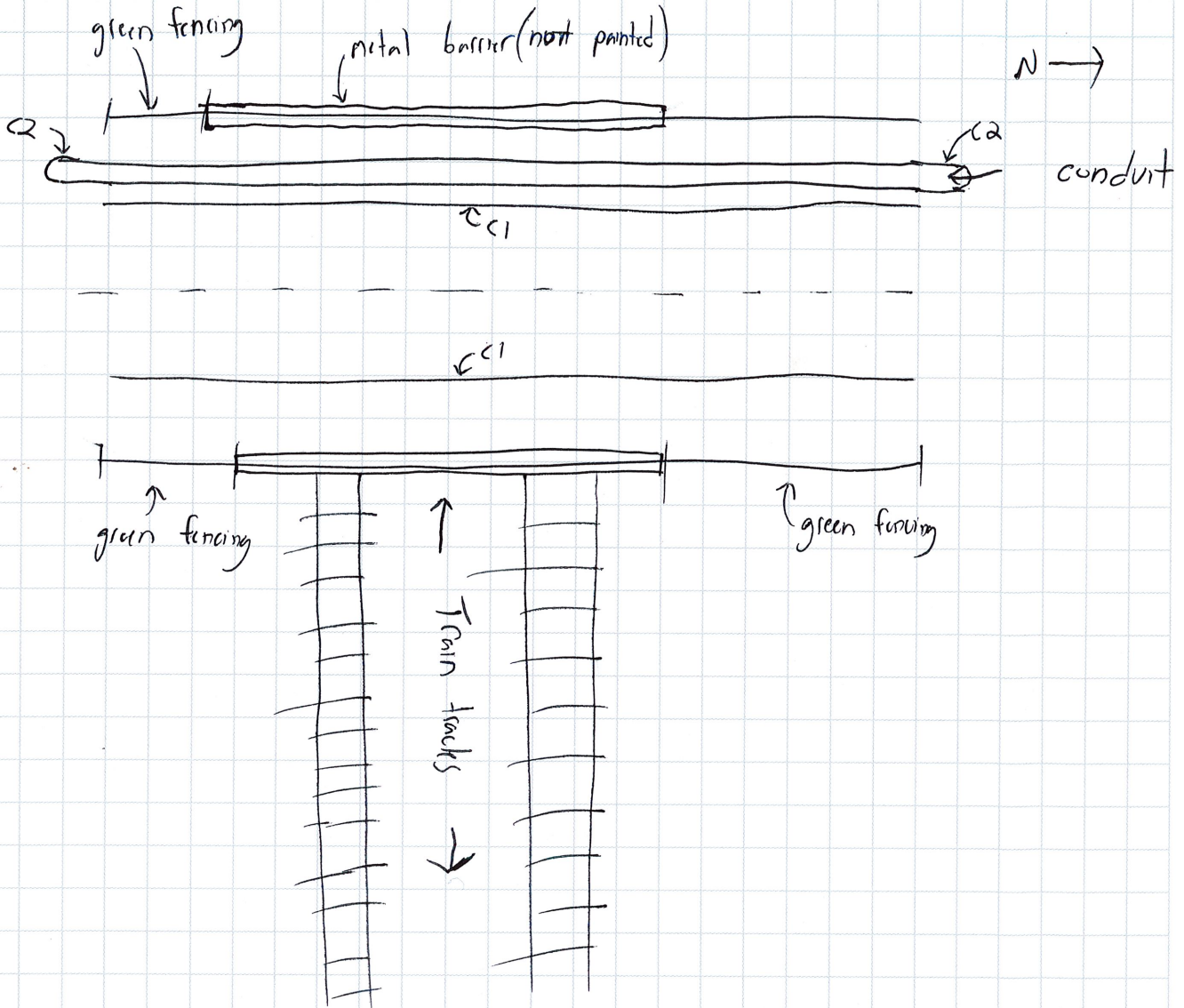
Comments:

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


 Mark Derosier, Analyst



SUBJECT Bridge 03903



ACM

- C1 - Hard white caulk along bridge barriers ~ 175 linear ft
- C2 - Brattle grey caulk on metal conduit ends ~ 10 linear ft
- PCI - tan Hard patching caulk at various locations around bridge

Notes

- Concrete on metal surface
- Multiple surfaces painted

ConnDOT, Bridge 03903 , , , Groton, 06340, CT, US, Mosher St , 70

Created	2019-01-25 11:39:03 EST by Zac Smith
Updated	2019-05-17 10:45:25 EDT by Stephen Arienti
Location	41.32697212048, -71.9887014292851
Status	■ Survey Complete

Job Information

Site Name	Bridge 03903
Address	70 Mosher St Groton, CT 06340
TRC Project Number	289951.5793.0710
Project Manager	Erik Plimpton, Stephen Arienti
Inspector(s)	Zac Smith, Dennis Ryder
Client	ConnDOT
Type of Asbestos Survey	Reno/Demo
Additional Analysis for NOB Materials (Calc)	TEM NY NOB 198.4
Date	2019-01-25
General Notes	Concrete on metal bridge. Bridge runs over train tracks. One abutment is inaccessible due to fencing. Metal conduit on west side sidewalk. Multiple painted surfaces.

Overview Photo







Surveys Performed

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

Asbestos Section

(2), C, 1, Hard white caulk

Representative Photos



01, Road barrier

Sample Number

01

Sample Location	Road barrier
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-01-25
Time	11:41

02, Road barriers

Sample Number	02
Sample Location	Road barriers
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-01-25
Time	11:42

Material Information

Sampled or Assumed?	Sampled
Material Acronym	C, 1
Material Description	Hard white caulk
Is Material a Non-Friable Organically Bound (NOB)	Yes
Total Approximate Quantity	175 linear ft
Total Count	(2)

(2), C, 2, Hard grey caulk on metal conduit.

03 , Metal conduit - south side

Sample Number	03
Sample Location	Metal conduit - south side
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-01-25
Time	12:19

04, Conduit - north end

Sample Number	04
Sample Location	Conduit - north end
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-01-25
Time	12:38

Material Information

Sampled or Assumed?	Sampled
---------------------	---------

Material Acronym	C, 2
Material Description	Hard grey caulk on metal conduit.
Is Material a Non-Friable Organically Bound (NOB)	Yes
Total Approximate Quantity	10 linear ft.
Total Count	(2)

(2), PC1 , Tan patching caulk

Representative Photos



05, Underside of bridge

Sample Number	05
Sample Location	Underside of bridge
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-01-25
Time	12:47

06, Underside of bridge.

Sample Number	06
Sample Location	Underside of bridge.
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-01-25
Time	12:48

Material Information

Sampled or Assumed?	Sampled
Material Acronym	PC1
Material Description	Tan patching caulk
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	Various spots around structure

Total Count (2)

XRF Section

Niton XRF Model No.	24792
XRF Survey Completed	Yes
XRF Data Downloaded	No
XRF Shots >1.0 on non-metallic building materials	Yes
Date Data Downloaded	2019-01-28

TCLP/SPLP/Total Lead Section

TCLP of black paint on underside metal of bridge

TCLP/SPLP/Total Lead Sample Description	TCLP of black paint on underside metal of bridge
Type of Analysis	TCLP Lead
Grab or Composite	Composite
Date	2019-01-25
Time	11:50

TCLP of green painted wood fencing

TCLP/SPLP/Total Lead Sample Description	TCLP of green painted wood fencing
Type of Analysis	TCLP Lead
Grab or Composite	Composite
Date	2019-01-25
Time	12:10

TCLP of grey paint on bridge barriers

TCLP/SPLP/Total Lead Sample Description	TCLP of grey paint on bridge barriers
Type of Analysis	TCLP Lead
Grab or Composite	Composite
Date	2019-01-25
Time	12:15

Total lead for grey paint on metal conduit


TCLP/SPLP/Total Lead Sample Description	Total lead for grey paint on metal conduit
Type of Analysis	Total Lead
Grab or Composite	Composite
Date	2019-01-25
Time	12:30

TCLP of grey paint on metal conduit

TCLP/SPLP/Total Lead Sample Description	TCLP of grey paint on metal conduit
Type of Analysis	TCLP Lead
Grab or Composite	Composite
Date	2019-01-25
Time	12:30

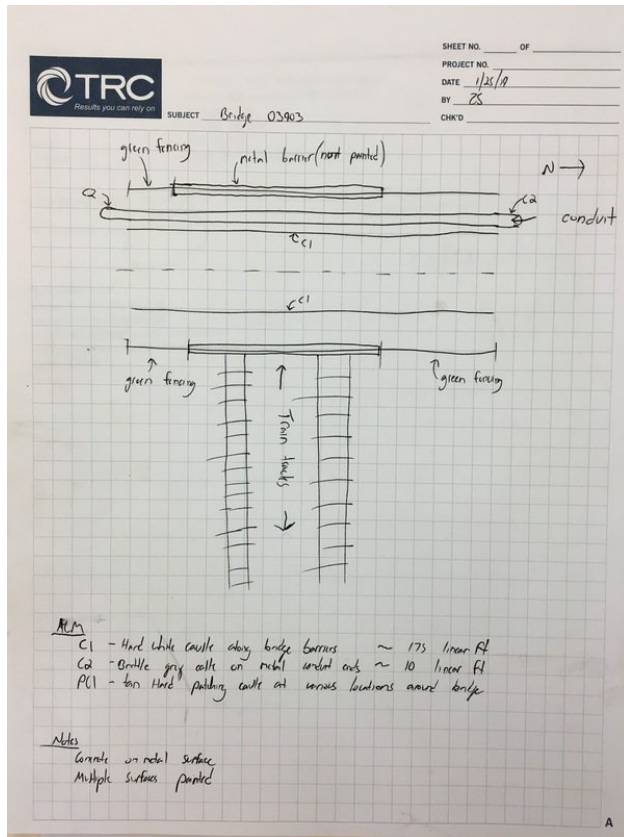
Bridge/Signs/Light Pole/Traffic Signal Items

03903

Bridge/Sign/Light Pole/Traffic Signal No.	03903
General Notes	Concrete on metal structure. Over train tracks. One abutment was not accessible due to fence.
Accessibility	Accessible
Paint on Structure (s)?	Yes
Paint on what Components/Structure(s)?	Bridge road barrier. Bridge sidewalk fencing. Metal conduit. Metal underside of bridge.
Suspect Asbestos Containing Materials Identified on Structure	Yes
Guano Present?	No
Homeless Activity	Yes
Homeless Activity Locations	Underside of south side of bridge.
Homeless Activity Photos	
Bloodborne Pathogen Concerns?	No
Mice/Mouse Nests/Droppings	No

General Information

Site Sketch Diagrams



Signature

Signed 2019-01-28 17:54:16 UTC

Asbestos Samples Submitted to TRC Lab	Yes
Date Submitted to Lab	2019-01-28
TCLP/SPLP Samples Submitted to Lab	Yes
TCLP/SPLP Samples Submitted To:	CET
Date Submitted to Lab	2019-01-28

App Name WinBSI HBM Survey 1.0

Generate Report Documentation

Select one or more documents below to be generated. Once completed in the cloud, they will be sent to the listed email address. Please report any difficulties or errors to Justin Coleman.

Where should the document(s) be sent? sarenti@trcsolutions.com

Generate Documents N/A

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION




memorandum

subject: Task 100 Environmental Screening
Project No.: 0058-0336

Bridge No. 03903
Mosher Street over Amtrak
Groton

date: May 11, 2017

to: Rabih M. Barakat
Transportation Principal Engineer
Bureau of Engineering and Construction

from: Adam G. Fox 
Transportation Principal Engineer
Bureau of Engineering and Construction

Adam Fox
2017.05.12
08:38:02-04'00'

In response to your email dated April 10, 2017 this project has been reviewed and determined that further investigations are warranted.

A Task 210 – Subsurface Site Investigation will be assigned to one of the Department's task-based consultants upon notification and receipt of plans that determine all proposed excavation areas and depths.


This project will also be surveyed for lead-based paint and any other contaminated or hazardous materials (e.g asbestos, guano, hazmat items, etc).

Plans, specifications and cost estimate will be provided, if required, pending the results of the subsurface site investigation and the survey.

Attached is a copy of the Task 100, Environmental Screening Review form by which the project was evaluated.

If you have any questions, please contact Stephen Clout at extension 3392.

Attachment

Stephen E. Clout 
Stephen Clout 2017.05.11
15:30:28-04'00'

cc: Andrew J. Cardinali – Dobieslaw A. Kania
Donald P. Wurst – Rachelle L. Clark (CME)
Adam G. Fox – Judith A. Nemecek – Stephen E. Clout

Judith A. Nemecek, P.E.
2017.05.12 08:28:37-04'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

subject: State Bridge Program
State Project No. 58-336
Bridge No. 03903
Mosher Street over Amtrak
Groton

m e m o r a n d u m

date: April 10, 2017

to:

Mr. Adam G. Fox
Transportation Principal Engineer
Bureau of Engineering and Construction

from:

Andrew J. Cardinali
Transportation Supervising Engineer
Bureau of Engineering and Construction

Hazardous/Contaminated Materials Screening

This project consists of the following:

- Superstructure replacement of the existing bridge
- Repair of the existing abutments
- Installation of an adjacent box beam with composite deck superstructure
- Inclusion of a wider curb-to-curb width of 34'-0" with a 5'-6" sidewalk on the north side

Excavation is anticipated for the replacement of Bridge No. 03903. The existing bridge superstructure will be demolished and removed with the abutments to remain. The bridge span is the same as the existing bridge, but the curb-to-curb width will increase from 27'-0" to 34'-0". Additionally, the centerline of the roadway will be raised. Excavation will be necessary on Mosher Avenue and Ward Avenue to accommodate the vertical adjustment, horizontal widening, and installation of sidewalks on the approaches. Additionally, a temporary bridge will be constructed north of the existing bridge, which will require the installation of new abutments. Excavation will be required for the abutments and the temporary roadway.

Additional information is attached for your use in generating the screening evaluation for the subject bridge:

- Location Map
- Limits of Work

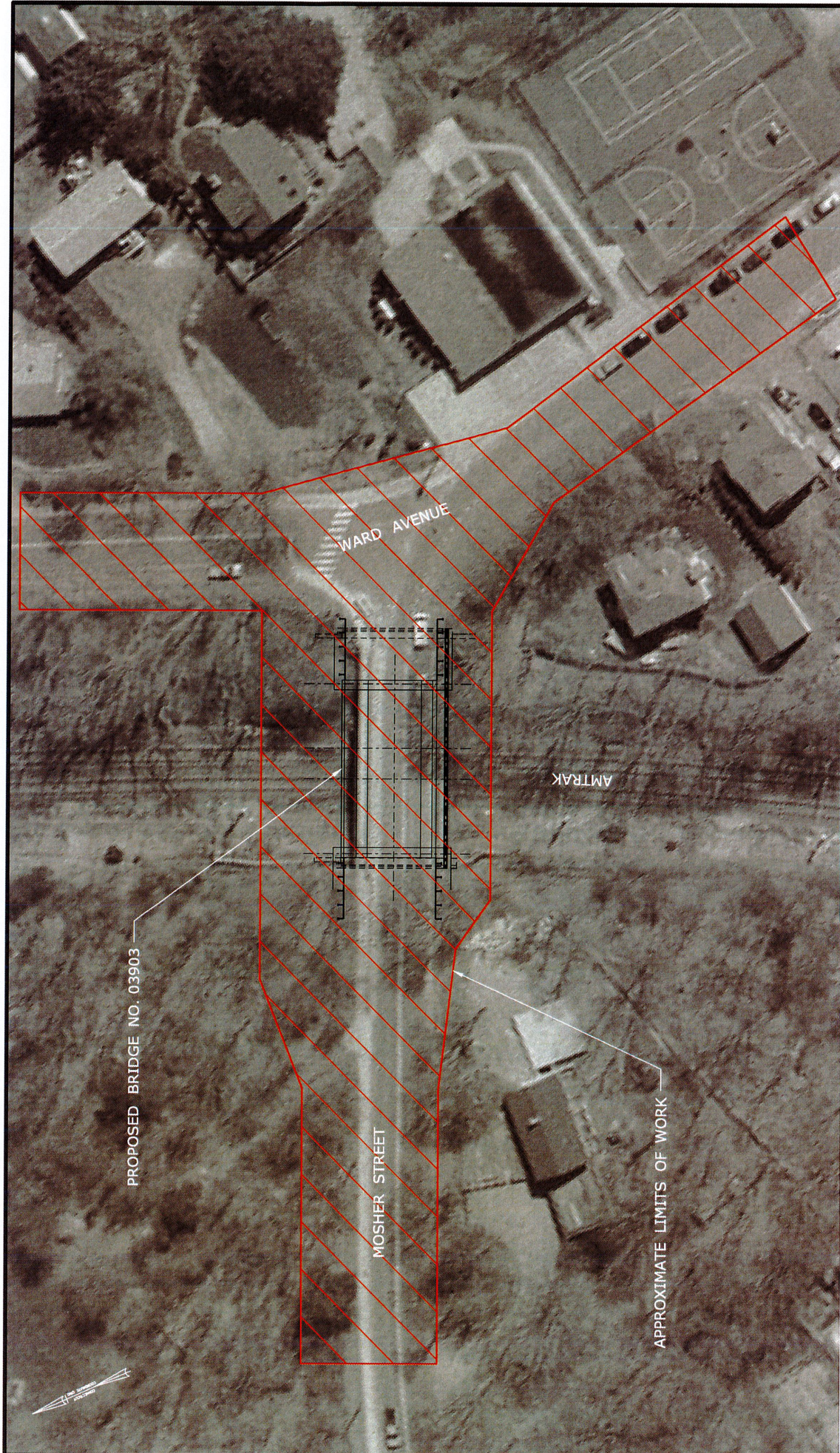
Please provide this office with the results of the screening evaluation for use in developing and advancing this project.

A reply by May 4, 2017 would be appreciated. Time expended for the completion of these activities should be charged to Project No. 58-336. If you have any questions or require additional information, please contact Ms. Dobieslawa A. Kania, Transportation Engineer III, at Ext. 3389.

Attachments

Rachelle L. Clark/kcs/rlc

cc: Rabih M. Barakat – Andrew J. Cardinali – Dobieslawa A. Kania
Donald P. Wurst – Rachelle L. Clark (CME)



THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE DRAWINGS, IS BASED ON THE INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CITY/TOWN: GROTON

BRIDGE NO.: 03903

SCALE: 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CME
CME ASSOCIATES, INC.
1000 WEST MAIN STREET
SUITE 200
GROTON, CT 06340

DRAWING TITLE:
**PROPOSED
WORK ZONE AND
STAGING AREA**

STATE PROJECT NO.: 58-336
DATE: 02/03/2017
SHEET NO.: 1 OF 1