



April 19, 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: Adam Fox, P.E. / Stephen Clout

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 04.27-01(15)
HazMat Inspection – Upgrading of Traffic Signal, Route 71/Barbour Road (Int. No. 088-210), New Britain, CT
ConnDOT Assignment No. 514-5284
ConnDOT Project No. 171-377
TRC Project No. 222165.5284.00710

Dear Mr. Bonsignore:

TRC performed a limited survey for hazardous building materials associated with the upgrading of traffic signal, at Route 71/Barbour Road (Int. No. 088-210) in New Britain, Connecticut. Results of the survey identified detectable amounts of lead in the paint on the metal signal span pole surfaces at Intersection Nos. 088-210. The projected paint waste debris associated with the metal signal span pole at Intersection Nos. 088-210 was characterized as non-hazardous, non-RCRA waste. No suspect asbestos containing materials associated with the metal span pole was identified at the intersection. Laboratory data, site information and 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 blue ink, appearing to read "Edmund J. Burke".

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: Traffic Signal at Stanley Street/Barbour Road, New Britain, CT
 Project #: 222165.5284.0710
 Date(s): 3/7/2016
 Inspector: Robert Belding (Lead Inspector/RA #002210)

Number	Interior/ Exterior	Location	Intersection	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1			Self-calibration						0.0	0.0	1.0	227.5	3/7/2016 9:12
2			0.0 calibration						0.8	0.1	1.1	7.9	3/7/2016 9:18
3			0.7 calibration						3.7	0.3	1.3	9.8	3/7/2016 9:18
4			3.6 calibration										
5	Exterior	New Britain	Stanley Street/Barbour Road	Pole		Metal	Grey	Defective	1.2	0.1	1.1	8.6	3/7/2016 9:25
6	Exterior	New Britain	Stanley Street/Barbour Road	Pole		Metal	Grey	Defective	2.4	0.3	1.4	4.7	3/7/2016 9:25
7	Exterior	New Britain	Stanley Street/Barbour Road	Pole		Metal	Grey	Defective	0.7	0.1	1.2	5.8	3/7/2016 9:26
8	Exterior	New Britain	Stanley Street/Barbour Road	Pole	Base	Metal	Grey	Defective	0.8	0.1	1.1	7.0	3/7/2016 9:27
9	Exterior	New Britain	Stanley Street/Barbour Road	Pole		Metal	Grey	Defective	1.3	0.1	1.2	6.7	3/7/2016 9:47
10			0.0 calibration						0.0	0.0	1.0	2.8	3/7/2016 9:51
11			0.7 calibration						0.8	0.1	1.2	7.2	3/7/2016 9:51
12			3.6 calibration						3.5	0.3	1.2	7.0	3/7/2016 9:52

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

80 Lupes Drive
Stratford, CT 06615



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

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

Analytical Report

CET# 6030159

Report Date: March 10, 2016
Project: Traffic Signal, New Britain
Project Number: 222165.5284.0710

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



New York Certification: 11982
Rhode Island Certification: 199

CET # : 6030159

Project: Traffic Signal, New Britain

Project Number: 222165.5284.0710

SAMPLE SUMMARY

The sample(s) were received at 13.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
1	6030159-01	Paint Chip	3/07/2016	03/08/2016

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
6030159-01	1	0.050	0.013	mg/L	1	B6C1013	03/10/2016	03/10/2016 12:20	

CET # : 6030159

Project: Traffic Signal, New Britain

Project Number: 222165.5284.0710

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 # : 6030159

Project: Traffic Signal, New Britain

Project Number: 222165.5284.0710

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 6010C 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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
Bureau of Engineering and
Construction

Memorandum

Subject: Project No. 171-377
FAP No. 000R(880)
Upgrading of Traffic Signal Equipment
New Britain
Route 71 at Barbour Road (Int. No. 088-210)

Date: June 22, 2015

To Christopher J. Bonsignore
Principal Engineer
Bureau of Engineering and Construction

From Tracy L. Fogarty *Tracy L. Fogarty* Tracy L. Fogarty, P.E.
Principal Engineer 2015.06.22
Bureau of Engineering and Construction 13:53:48-04'00'

Hazardous/Contaminated Material Screening Request

Attached is the following material:

- Project Description
- Project Location
- Conceptual Plan
- Correspondence
- Other – Please determine if the existing span pole at the subject intersection contains hazardous materials. If applicable, please provide the appropriate items, quantities, and specifications. A copy of the existing signal plan is attached.

Please take the following action:

- For your information
- Initiate Hazardous/Contaminated Material Screening
- As noted below

Please take the requested action by: July 22, 2015

Current Project Schedule: FDP -- 06/22/16
DCD -- 08/03/16
ADV -- 09/07/16

Contact David M. Fabry at 860-594-2724, should you have any questions relative to this material.

Attachments

Jason A. Vincent

cc: Charles S. Harlow – Tracy L. Fogarty – David M. Fabry

Project No. 171-377

Hazardous/Contaminated Material Screening Request

Project Title: Installation of Traffic Control Signals in Districts 1

Project Numbers: 171-377CN (PE Project/Charge Number 170-3231)

General Project Description: Project Nos. 171-377 will install new traffic signal equipment, which may include span poles, mast arms, signal heads, span wires, conduits, loops, pedestrian countdown heads, signing and pavement markings, to meet current department standards and will remove existing equipment as needed. Installation of traffic control signals will require excavation of existing equipment as well as excavation for new foundations (span pole, mast arm, pedestal, controller cabinet, etc.) and trenching (i.e. conduit) as required. In addition to excavation for traffic signal equipment, excavation will be required for sidewalk ramps that will be installed or reconstructed to meet current ADA standards. In areas of an intersection where there is existing signal equipment, excavation will take place in areas that have undergone extensive ground disturbance in the past. In areas of an intersection where there is no existing signal equipment, excavation may be in areas where there may not have been extensive ground disturbance in the past. There is significantly less than one acre of disturbance for each location.

Intersection requiring a Hazardous/Contaminated Material Screening:

- New Britain – Route 71 at Barbour Road (Intersection No. 088-210)



SUBJECT Traffic Signal - New Britain, CT

SHEET NO. _____ OF _____

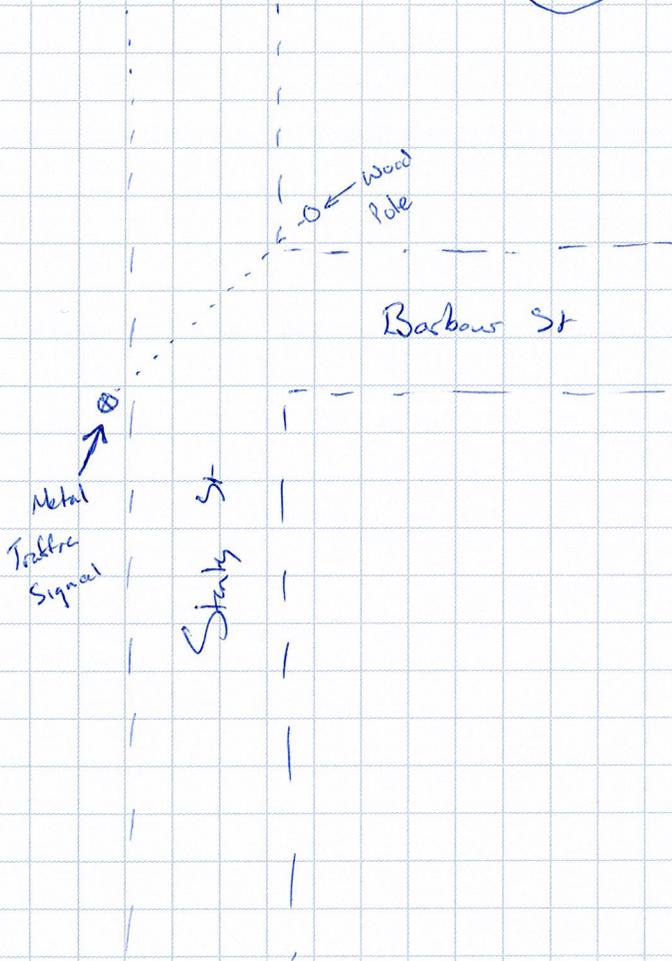
PROJECT NO. _____

DATE 3/7/16

BY RB + DR

CHK'D _____

Stanley St / Barbour St



- Metal Pole
↳ Gray paint over Red/Green

- NO caulking around base of pole
↳ No other suspect ACM observed

- Pictures taken



PHOTO 1
Bridgeport Int. 088-210 (Stanley/Barbour)



PHOTO 2
Bridgeport Int. 088-210 (Stanley/Barbour)