



May 30, 2017

Mr. Adam G. Fox, 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: Judith Nemecek, P.E. / Robert Reilly

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 04.27-01(15)
HazMat Inspection – Signage Replacement, Route 15 NB & SB, Mileage Points 0.00 to 38.30, CT
ConnDOT Assignment No. 514-5578
ConnDOT Project No. 173-472
TRC Project No. 222165.5578.0710

Dear Mr. Fox:

TRC performed a limited survey for hazardous building materials associated with the Signage Replacement along Route 15 NB & SB, Mileage Points 0.00 to 38.30 in Connecticut. TRC's survey consisted of inspecting a representative amount (~10%) of side mounted signage poles (two leg I-beam support) and variable message sign supports, as well as, the sign supports associated with Site Nos. 1 through 4. No detectable amounts of lead were identified in the paint on the backside of the actual signs themselves that were associated with the side mounted signage supports. Detectable amounts of lead in paint were identified on the side mounted signage supports, VMS supports and the three (3) cantilever signage supports at Site Nos. 1, 2, & 3. The bridge mounted signage support inspected at Site No. 4 was found to be unpainted (galvanized), therefore no lead paint was identified. Results obtained from TCLP waste stream sampling and analysis for leachable lead from the representative paint on the VMS supports and the cantilever signage supports (Site Nos. 1-3) characterized the paint waste streams as non-hazardous, non-RCRA waste. TCLP waste stream sampling and analysis for leachable lead from the representative paint on the side mounted signage supports characterized the paint waste stream as CTDEEP/RCRA hazardous waste. No suspect asbestos containing materials were identified during TRC's survey. Potential universal waste (UW) and Connecticut Regulated Waste (CRW) items associated with all the VMS signs/cabinets (i.e. Hg lamps/PCB ballasts and/or printed circuit boards) are also likely present.

Associated laboratory data, inspector notes, 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

Reviewed by:

A handwritten signature in black ink, appearing to read "Stephen R. Arienti".

Stephen R. Arienti, CHMM
Project Manager

A handwritten signature in black ink, appearing to read "Erik R. Plimpton".

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



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: Sign Supports - Route 15, MP 0.00 to MP 38.30, CT
Project #: 222165.5578.0710
Date(s): 5/18/17 & 5/19/17
Inspector: Kelly Grey (Lead Inspector/RA #002267)

Number	Interior/ Exterior	Type	Site No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1			Self-Calibration									58.0	5/18/2017 10:50
2			0.3 Calibration						0.3	0.0	1.1	9.8	5/18/2017 10:54
3			0.7 Calibration						0.7	0.1	1.1	5.8	5/18/2017 10:55
4			1.6 Calibration						1.5	0.1	1.2	14.8	5/18/2017 10:55
5	Exterior	2-leg 47S		column		Metal	Grey	Intact	1.2	0.6	8.1	11.6	5/18/2017 10:57
6	Exterior	2-leg 47S		column		Metal	Grey	Intact	0.1	0.0	3.0	7.4	5/18/2017 10:57
7	Exterior	2-leg 47S		back sign		Metal	Grey	Intact	0.0	0.0	1.0	9.0	5/18/2017 11:06
8	Exterior	2-leg 47S-on ramp		column		Metal	Grey	Intact	0.3	0.1	8.4	10.7	5/18/2017 11:13
9	Exterior	2-leg 47S-on ramp		column		Metal	Grey	Intact	0.3	0.3	8.3	4.1	5/18/2017 11:14
10	Exterior	2-leg 47S-on ramp		column		Metal	Grey	Intact	0.2	0.2	9.1	9.9	5/18/2017 11:14
11	Exterior	2-leg 47S-on ramp		column		Metal	Grey	Intact	0.2	0.1	7.7	10.3	5/18/2017 11:14
12	Exterior	2-leg 47S-on ramp		back sign		Metal	Grey	Intact	0.0	0.0	1.0	1.2	5/18/2017 11:23
13	Exterior	2-leg 47S-on ramp		back sign		Metal	Grey	Intact	0.0	0.0	1.0	1.7	5/18/2017 11:24
14	Exterior	2-leg 47S-on ramp		back sign		Metal	Grey	Intact	0.0	0.0	1.4	4.9	5/18/2017 11:24
15	Exterior	cantilever-20505	Site No. 3	column		Metal	Grey	Intact	0.3	0.2	2.8	2.9	5/18/2017 11:52
16	Exterior	cantilever-20505	Site No. 3	column		Metal	Grey	Intact	0.3	0.1	3.2	7.8	5/18/2017 11:52
17	Exterior	cantilever-20505	Site No. 3	column		Metal	Grey	Intact	0.3	0.1	3.1	5.8	5/18/2017 11:53
18	Exterior	cantilever-20506	Site No. 2	column		Metal	Grey	Intact	0.2	0.1	2.6	7.0	5/18/2017 12:10
19	Exterior	cantilever-20506	Site No. 2	column		Metal	Grey	Intact	0.2	0.1	3.3	8.2	5/18/2017 12:11
20	Exterior	cantilever-20508	Site No. 1	column		Metal	Grey	Intact	0.2	0.1	2.8	7.8	5/18/2017 13:22
21					VOID								
22					VOID								
23	Exterior	2 legs ext. 75 mile		column		Metal	Grey	Intact	0.2	0.1	7.8	9.0	5/18/2017 13:41
24	Exterior	2 legs ext35N ONRAMP		column		Metal	Grey	Intact	0.2	0.1	6.9	8.7	5/18/2017 13:53
25			0.3 Calibration						0.3	0.0	1.1	12.7	5/18/2017 13:56
26			0.7 Calibration						0.7	0.1	1.0	9.5	5/18/2017 13:57
27			1.6 Calibration						1.5	0.1	1.1	14.0	5/18/2017 13:57
28					VOID								
29	Exterior	2 legs ex 52-2nd right		column		Metal	Grey	Intact	0.1	0.0	4.9	19.3	5/18/2017 14:59
30	Exterior	2 legs ex 52-2nd right		back sign		Metal	Grey	Intact	0.0	0.0	1.0	7.4	5/18/2017 15:00
31	Exterior	2 legs ex 52-2nd right		back sign		Metal	Grey	Intact	0.0	0.0	1.2	3.3	5/18/2017 15:01
32	Exterior	2 legs ex 52-2nd right		back sign		Metal	Grey	Intact	0.0	0.0	1.0	3.3	5/18/2017 15:01
33			0.3 Calibration						0.3	0.0	1.1	11.9	5/18/2017 15:34
34			0.7 Calibration						0.7	0.1	1.1	16.8	5/18/2017 15:35
35			1.6 Calibration						1.5	0.1	1.2	16.4	5/18/2017 15:36
36			Self-Calibration									56.0	5/19/2017 9:17
37			0.3 Calibration						0.3	0.0	1.1	10.2	5/19/2017 9:44



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: Sign Supports - Route 15, MP 0.00 to MP 38.30, CT
Project #: 222165.5578.0710
Date(s): 5/18/17 & 5/19/17
Inspector: Kelly Grey (Lead Inspector/RA #002267)

Number	Interior/ Exterior	Type	Site No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
38			0.7 Calibration						0.7	0.1	1.1	7.8	5/19/2017 9:44
39			1.6 Calibration						1.6	0.1	1.2	12.7	5/19/2017 9:44
40			1.6 Calibration						1.5	0.1	1.1	6.1	5/19/2017 9:45
41	Exterior	VMS-exit 41		column		Metal	Grey	Intact	0.2	0.1	5.0	12.7	5/19/2017 9:48
42	Exterior	VMS-exit 41		sign frame		Metal	Grey	Intact	0.2	0.1	6.6	11.9	5/19/2017 9:50
43	Exterior	VMS-exit 41		column		Metal	Grey	Intact	0.2	0.1	5.6	16.9	5/19/2017 9:52
44	Exterior	2 leg ex 31 1 mile		column		Metal	Grey	Intact	0.2	0.1	3.4	8.2	5/19/2017 10:29
45	Exterior	2 leg ex 31 1 mile		sign back		Metal	Grey	Intact	0.0	0.0	1.0	7.4	5/19/2017 10:29
46	Exterior	2 leg ex 31 1 mile		sign back attach		Metal	Grey	Intact	0.0	0.0	1.0	5.3	5/19/2017 10:31
47	Exterior	2 leg ex29 on ramp		column		Metal	Grey	Intact	0.3	0.1	6.8	15.6	5/19/2017 10:50
48	Exterior	2 leg ex29 on ramp		column		Metal	Grey	Intact	1.5	0.4	4.3	25.0	5/19/2017 10:51
49	Exterior	2 leg ex29 on ramp		column		Metal	Grey	Intact	0.2	0.1	6.0	7.4	5/19/2017 10:51
50	Exterior	2 leg ex28		column		Metal	Grey	Intact	0.2	0.1	7.2	13.1	5/19/2017 11:18
51	Exterior	2 leg ex28		sign back		Metal	Grey	Intact	0.0	0.0	1.1	1.2	5/19/2017 11:18
52	Exterior	2 leg ex28		sign back		Metal	Grey	Intact	0.0	0.0	5.8	7.4	5/19/2017 11:19
53	Exterior	2 leg ex28 on ramp		column		Metal	Grey	Intact	0.2	0.1	7.6	13.5	5/19/2017 11:30
54	Exterior	2 leg ex28 on ramp		column		Metal	Grey	Intact	0.2	0.2	10.0	5.7	5/19/2017 11:30
55	Exterior	2 leg ex28 on ramp		column		Metal	Grey	Intact	1.0	0.4	9.4	22.9	5/19/2017 11:31
56	Exterior	2 leg ex28 on ramp		column		Metal	Grey	Intact	0.2	0.1	5.6	7.0	5/19/2017 11:31
57	Exterior	2 leg ex31 on ramp		column		Metal	Grey	Intact	0.0	0.1	1.1	0.4	5/19/2017 11:45
58	Exterior	2 leg ex31 on ramp		column		Metal	Grey	Intact	0.2	0.1	7.0	10.3	5/19/2017 11:46
59	Exterior	2 leg ex31 on ramp		column		Metal	Grey	Intact	0.2	0.1	5.5	7.0	5/19/2017 11:46
60	Exterior	2 leg ex33 1 mile		column		Metal	Grey	Intact	0.2	0.1	7.0	8.2	5/19/2017 12:07
61	Exterior	2 leg ex33 1 mile		column		Metal	Grey	Intact	0.1	0.0	3.9	15.6	5/19/2017 12:07
62			0.7 Calibration						0.7	0.1	1.1	6.2	5/19/2017 13:24
63			0.3 Calibration						0.3	0.0	1.0	7.8	5/19/2017 13:24
64			3.6 Calibration						3.5	0.3	1.3	5.7	5/19/2017 13:24
65	Exterior	2 leg ex36 1 mile		column		Metal	Grey	Intact	0.2	0.2	7.9	7.8	5/19/2017 13:27
66	Exterior	2 leg ex36 1 mile		column		Metal	Grey	Intact	0.9	0.4	10.0	18.0	5/19/2017 13:27
67	Exterior	2 leg ex36 1 mile		column		Metal	Grey	Intact	1.0	0.4	10.0	16.4	5/19/2017 13:28
68	Exterior	2 leg ex36 1 mile		column		Metal	Grey	Intact	1.0	0.6	8.3	8.6	5/19/2017 13:28
69	Exterior	2 leg ex36 1 mile		column		Metal	Grey	Intact	1.1	0.5	10.0	12.7	5/19/2017 13:29
70	Exterior	2 leg ex36 1 mile		column		Metal	Grey	Intact	0.2	0.1	8.0	15.6	5/19/2017 13:29
71	Exterior	2 leg ex38 norwalk CC		column		Metal	Grey	Intact	1.3	0.4	10.0	17.3	5/19/2017 13:49
72	Exterior	2 leg ex38 norwalk CC		column		Metal	Grey	Intact	0.2	0.1	6.7	7.8	5/19/2017 13:49
73	Exterior	2 leg ex38 norwalk CC		column		Metal	Grey	Intact	0.2	0.1	5.8	10.7	5/19/2017 13:50
74	Exterior	2 leg ex 46 1 mile		column		Metal	Grey	Intact	0.2	0.1	8.0	9.4	5/19/2017 14:26

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



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Date(s): 5/18/17 & 5/19/17
Inspector: Kelly Grey (Lead Inspector/RA #002267)

Number	Interior/ Exterior	Type	Site No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
75	Exterior	2 leg ex 46 1 mile		column		Metal	Grey	Intact	0.8	0.4	8.1	16.7	5/19/2017 14:26
76	Exterior	2 leg ex 46 1 mile		column		Metal	Grey	Intact	1.0	0.4	8.2	18.5	5/19/2017 14:27
77	Exterior	2 leg ex 46 1 mile		column		Metal	Grey	Intact	1.0	0.3	9.2	29.5	5/19/2017 14:28
78	Exterior	2 leg ex 46 1 mile		column		Metal	Grey	Intact	0.1	0.1	5.0	17.3	5/19/2017 14:29
79			0.3 Calibration						0.3	0.0	1.2	12.7	5/19/2017 14:35
80			0.7 Calibration						0.7	0.1	1.1	5.3	5/19/2017 14:35
81			3.6 Calibration						3.6	0.2	1.3	7.8	5/19/2017 14:35

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# 7050616

Report Date: May 24, 2017
Project: CTDOT Signs
Project Number: RT15 Signs Mile 0-38.3
PO Number: 222165.5578.0710

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



New York NELAP Accreditation: 11982
Rhode Island Certification: 199

CET #: 7050616

Project: CTDOT Signs

Project Number: RT15 Signs Mile 0-38.3

SAMPLE SUMMARY

The sample(s) were received at 29.9°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01 10-Sign Back	7050616-01	Paint Chip	5/18/2017 15:00	05/19/2017
02 12-Sign Back	7050616-02	Paint Chip	5/19/2017 10:30	05/19/2017
03 1-Sign Support Leg	7050616-03	Paint Chip	5/18/2017 10:15	05/19/2017
04 2	7050616-04	Paint Chip	5/18/2017 10:30	05/19/2017
05 3	7050616-05	Paint Chip	5/18/2017 10:40	05/19/2017
06 4-Sign 20505	7050616-06	Paint Chip	5/18/2017 11:04	05/19/2017
07 5-Sign 20506	7050616-07	Paint Chip	5/18/2017 11:15	05/19/2017
08 6-Sign 20508	7050616-08	Paint Chip	5/18/2017 11:34	05/19/2017
09 7	7050616-09	Paint Chip	5/18/2017 13:07	05/19/2017
10 8	7050616-10	Paint Chip	5/18/2017 13:20	05/19/2017
12 11-Variable Message Sign	7050616-11	Paint Chip	5/19/2017 10:00	05/19/2017
14 13	7050616-12	Paint Chip	5/19/2017 11:00	05/19/2017
15 14	7050616-13	Paint Chip	5/19/2017 11:20	05/19/2017
16 15	7050616-14	Paint Chip	5/19/2017 11:40	05/19/2017
17 16	7050616-15	Paint Chip	5/19/2017 11:50	05/19/2017
18 17	7050616-16	Paint Chip	5/19/2017 12:15	05/19/2017
19 18	7050616-17	Paint Chip	5/19/2017 13:30	05/19/2017
20 19	7050616-18	Paint Chip	5/19/2017 13:40	05/19/2017
21 20	7050616-19	Paint Chip	5/19/2017 14:30	05/19/2017

CET #: 7050616

Project: CTDOT Signs

Project Number: RT15 Signs Mile 0-38.3

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
7050616-01	01 10-Sign Back	ND	0.10	%	1	B7E2230	05/22/2017	05/22/2017 16:08	
7050616-02	02 12-Sign Back	ND	0.10	%	1	B7E2230	05/22/2017	05/22/2017 16:12	

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
7050616-03	03 1-Sign Support Leg	4.1	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:04	
7050616-04	04 2	5.9	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:08	
7050616-05	05 3	3.7	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:13	
7050616-06	06 4-Sign 20505	0.79	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:17	
7050616-07	07 5-Sign 20506	1.5	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:22	
7050616-08	08 6-Sign 20508	3.2	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:35	
7050616-09	09 7	5.2	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:40	
7050616-10	10 8	6.8	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:44	
7050616-11	12 11-Variable Message Sign	0.19	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 11:58	
7050616-12	14 13	6.1	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:02	
7050616-13	15 14	6.3	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:07	
7050616-14	16 15	3.2	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:11	
7050616-15	17 16	4.7	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:16	
7050616-16	18 17	8.3	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:29	
7050616-17	19 18	3.1	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:33	
7050616-18	20 19	5.8	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:38	
7050616-19	21 20	5.2	0.013	mg/L	1	B7E2217	05/22/2017	05/23/2017 12:42	

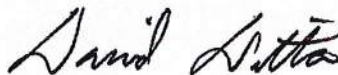
All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by David Ditta



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- 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.

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

RL is the Reporting 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 # : 7050616

Project: CTDOT Signs

Project Number: RT15 Signs Mile 0-38.3

CERTIFICATIONS

Certified Analyses included in this Report

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

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2018
NY	New York Certification (NELAC)	11982	04/01/2018

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com



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

Edition: September 2007
Supersedes Previous Edition

CHAIN OF CUSTODY

PROJECT NUMBER

222165-5578-0710

PROJECT NAME

CT-DOT-KT15 Signs

INSPECTOR: (SIGNATURE)

[Signature]

(PRINTED)

Greg Knepp

PARAMETERS

Total Lead 445

TURN AROUND TIME

24hr 48hr 3day 5day

LAB ID #

24hr 48hr 3day 5day

NOTES

Paint f. (20) gray paint

FIELD
SAMPLE
NUMBER

DATE

TIME

TYPE

GRAB

COMP

SAMPLE LOCATION

01

02

03

04

05

06

07

08

09

10

11

5/18/17

15:00

X

#10

Sign Back

X

02

5/19/17

10:30

X

#12

Sign Back

X

03

5/18/17

10:15

X

#1

04

10:30

X

#2

Sign Support Leg

X

05

10:40

X

#3

06

11:04

X

#4

Sign 20505

X

07

11:15

X

#5

Sign 20506

X

08

11:34

X

#6

Sign 20508

X

09

13:07

X

#7

10

13:20

X

#8

11

X

#10

X

X

X

X

X

X

X

X

X

Relinquished by: (Signature)

[Signature]

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5/19/17

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21 GRIFFIN ROAD NORTH

WINDSOR, CONNECTICUT 06095

TELEPHONE (860) 298-9692

FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersedes Previous Edition

PROJECT NUMBER		PROJECT NAME		PARAMETERS		LAB ID #	
222165-55-78.0710		CTDOT-Rt 15 Signs Mile 0-38.3		9/19/17		24hr 48hr 3day 5day	
INSPECTOR: (SIGNATURE)		TYPE		SAMPLE LOCATION		TURNAROUND TIME	
[Signature]		COMB		GRAV		24hr 48hr 3day 5day	
12	5/19/17	10:00	X	#11	Variable Message Sign		
13		10:35	X	#12			
14		11:00	X	#13			
15		11:20	X	#14			
16		11:40	X	#15			
17		11:50	X	#16			
18		12:15	X	#17			
19		13:30	X	#18			
20		13:40	X	#19			
21		14:30	X	#20			
22							

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Page 1 of 1							

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SUBJECT

Sign Supports - Rt 15 0-38.3

SHEET NO. _____ OF _____
 PROJECT NO. 222165.5578.0710
 DATE 5/18/17 - 5/19/17
 BY K Grey + Greg K
 CHK'D _____

5/18

#	N/S	Type	Sign	Lead	Leas or Sign	Painted?	Paint	Arm
1	SB	2 Leg ^{wide}	Exit 47 Attractions	N/H	L+S		gray	No
2	SB	2 Leg	Exit 47 →	sign 0.0	0.1	L+S	gray	No
3	SB	2 Leg	47 SB on Ramp legs bolted to concrete	leg 0.2	L+S		gray	No
				sign 0.0			gray	N
4	SB	cantilever	Exit 40 B Rt 7 North #20505 (rubber gasket on access port)	L 0.3			gray	N
				sign inaccessible				
5	SB	cantilever	Exit 40 A to Rt 7 South #20506	L 0.2			gray	N
				sign inaccessible				
6	SB	cantilever	Exit 35 → #20508	L 0.2			gray	N
				sign inaccessible				
7	SB	2 leg	Exit 34 3/4 mile	0.2	sign inaccessible		gray	
8	NB	2 Leg	On ramp to 15 NB from E 35	0.2			gray	N
				double sign inaccessible				
9	NB	Bridge mounted	Exit 49 N → sign # 20475 A		Galvanized		Not accessible	
10	NB	2 leg	Exit 52 2 nd Right	Legs → 0.1			gray	N
				* Sign → 0		paint chip	gray	

5/19

11	SB	1 post	Variable Message Sign Before Exit 41 Haz: Bulbs, ballasts, internal not accessible (haz/Arm)	support 0.2 sign casing 0.2			gray gray	No inside inaccessible
12	SB	2 leg	Exit 31 1 mile	legs - 0.2 paint chip sign ribs 0.0			gray gray	N
13	SB	2 leg	On Ramp - 15 SB from E 29 double sign	0.2			gray	N



SUBJECT

Sign Supports - Rt 15 0-38.3

SHEET NO. _____ OF _____

PROJECT NO. 227165 . 5578.0710

DATE 5/18/17 - 5/19/17

BY K Grey + Greg K

CHK'D _____

#	N/S	Type	Sign	Look	Post	Acn
14	NB	2 leg	Exit 28	leg 0.2 sign 0.0	gray	N
15	NB	2 leg wide	On Ramp NB from E 28 double signs	0.2	gray	N
16	NB	2 leg	On Ramp NB from E 31 double signs	0.2	gray	N
17	NB	2 leg	Exit 33 - 1 mile	leg 0.2 sign 0.0	gray	N
18	NB	2 leg wide	Exit 36 - 1 mile	leg 0.2	gray	N
19	NB	2 leg	Exit 38 - Norwalk Community College	0.2	gray	N
20	NB	2 leg	Exit 46 - 1 mile	0.2	gray	N

Project Description – Project No. 173-472

Project Title: Signing Update on Route 15 between Exits 27 and 53

Project Description:

Project 173-472 involves replacing and relocating existing overhead and side mounted signs, supports, and foundations on Route 15 (Merritt Parkway) Northbound (NB) and Southbound (SB), including entrance and exit ramps. The project begins at the Connecticut – New York state border (mile point 0.00) and extends just past the Stratford-Milford Town Line. The project includes Exits 27-53 and the NB approach to Exit 54, a distance of approximately 38.3 miles. In addition, the project includes replacement of the six (6) existing Variable Message Signs (VMS) and the installation of four (4) new VMS. Eight side mounted VMS will be installed on Route 15 (Merritt Parkway) between the Towns of Greenwich and Milford, one side mounted VMS will be installed on Route 15 (Wilbur Cross Parkway) in the Town of Orange, and one side mounted VMS will be installed on Rte. 7 Southbound in Norwalk approaching Rte. 15. The project limits encompass the Towns listed below:

- Town of Greenwich
- City of Stamford
- Town of New Canaan
- City of Norwalk
- Town of Westport
- Town of Fairfield
- Town of Trumbull
- Town of Stratford
- City of Milford
- Town of Orange

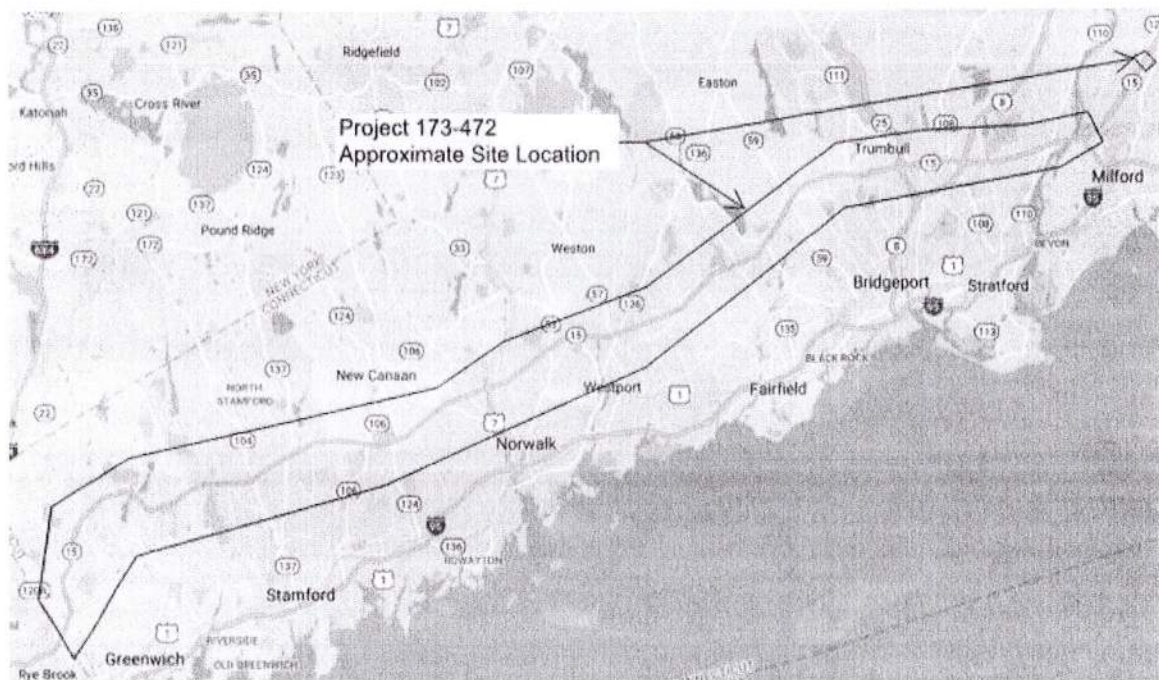
Excluded from this project are signs that have been recently replaced by other roadway construction projects, as well as signs that are scheduled to be replaced in the near future under other various construction projects.

The scope includes replacement of all existing side mounted signs and structural steel sign supports on Route 15 including entrance and exit ramps between mile points 0.00 and 38.30 (approximately 135 signs on Route 15 mainline and 68 signs at Route 15 on-ramps). The sign supports and the back of all existing signs are painted per Merritt Parkway Guidelines requirements. The project will only replace foundations for side mounted signs where the proposed signs cannot be installed on the existing sign foundations or if the existing foundations are deemed “structurally deficient”.

The scope also includes the removal of three cantilever sign support structures and one bridge mounted sign support structure. Additionally, the signs on nine existing overhead and cantilever sign support structures will be replaced; however these structures will remain. The nine existing sign support structures proposed to remain will not be revised or rehabilitated. The existing overhead and cantilever sign support structures to be removed are painted and the bridge mounted sign support structure to be removed is galvanized. A list of sign support removal sites is attached for your use.

In addition, the scope includes the replacement of 6 existing VMS and installation of four new VMS. This work will require removal of existing and installation of new side mounted VMS supports and foundations. New VMS ground mounted cabinets and power/communications will utilize the existing VMS cabinet foundations and conduit to minimize ground disturbance. All existing VMS and VMS supports are painted.

Project No. 173-472



PROJECT 173-472 LIST OF SITES FOR STRUCTURE REMOVAL

(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	Stamford	15 SB	10.23	20508**	Paint (based on visual inspection, report not available)	Unknown
✓ 2	Norwalk	15 SB	17.60	20506**	Paint	1992
✓ 3	Norwalk	15 SB	17.72	20505**	Paint	1992
✓ 4	Trumbull	15 NB	32.16	20475A*	Hot Dipped Galvanized	Unknown
5	Various	15 NB / 15 SB / Entrance Ramps	0.00-38.3	Side Mounted Sign Supports	Paint	Unknown

* = BRIDGE MOUNTED

** = CANTILEVER

Exit 41 S - VMS

Stopped at E 35



PHOTO 1

Typical Painted Side-Mounted Sign Support (2 leg I-beam support)



PHOTO 2
Typical Painted VMS Sign Support



PHOTO 3

Site No. 4 (Sign Support No. 20475A) Galvanized Bridge-Mounted Sign Support



PHOTO 4

Site No. 3 (Sign Support No. 20505) Painted Cantilever Sign Support



PHOTO 5

Site No. 2 (Sign Support No. 20506) Painted Cantilever Sign Support



PHOTO 6

Site No. 1 (Sign Support No. 20508) Painted Cantilever Sign Support