August 16, 2017

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: Judith Nemecek, P.E. / Denise Young

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No. 04.27-01(15)
HazMat Inspection – Eleven (11) Traffic Signal Intersection Sites, District 3, CT
ConnDOT Assignment No. 514-5565
ConnDOT Project No. 173-461
TRC Project No. 222165.5565.00710

Dear Mr. Fox:

TRC performed a limited survey for hazardous building materials associated with traffic signals at Eleven (11) Traffic Signal Intersection Sites in District 3, Connecticut. Results of the survey identified the following at the traffic signal span poles, mast arms, pedestals and controller cabinet replacements at the following Intersections:

Traffic Signal Int. No. 035-218, Route 1 at I-95 Exit 13 SB On-Ramp, Darien

- Detectable amounts of lead in paint were identified on the two (2) metal span poles. The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. Detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons. No detectable amounts of lead in paint were found on the metal controller cabinet.
- Projected paint waste debris associated with the metal span poles was characterized as non-hazardous, non-RCRA waste.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves and the metal yellow crosswalk push buttons/crosswalk hoods should be tested for TCLP lead to determine waste disposal.
- White brittle caulking at the base of the metal controller cabinet was sampled and found to contain asbestos.

Traffic Signal Int. No. 043-206, Route 80 at River Rd. and Wheelbarrow Ln., East Haven

- Two (2) metal span poles were galvanized (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. No detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons, the metal yellow traffic signal attached to the span pole, the metal white/black crosswalk push button signs and the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal yellow crosswalk push buttons, the metal yellow traffic signal attached to the span pole, the metal white/black crosswalk push button signs and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves should be tested for TCLP lead to determine waste disposal.

Traffic Signal Int. No. 83-216, Route 1 at I-95 Exit 34 Ramps, Milford

- Two (2) metal span poles were galvanized (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. Detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons and metal yellow traffic lights on the span poles. No detectable amounts of lead in paint were found on the metal white/black crosswalk push button signs and the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal white/black crosswalk push button signs and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves, the metal yellow crosswalk push buttons and metal yellow traffic lights on the span poles should be tested for TCLP lead to determine waste disposal.
- Black flaky expansion joint material around the southern span pole was sampled and found to contain no detectable amounts of asbestos.

Traffic Signal Int. No. 100-206, Route 5 at Franklin St. and Stop & Shop, North Haven

- Two (2) span poles were galvanized (unpainted) and wood (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. Detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons. No detectable amounts of lead in paint were found on the metal white/black crosswalk push button signs and the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal white/black crosswalk push button signs and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves and the metal yellow push buttons should be tested for TCLP lead to determine waste disposal.

Traffic Signal Int. No. 100-207, Route 5 at North Haven Shopping Center, North Haven

- Two (2) span poles were galvanized (unpainted) and wood (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. No detectable amounts of lead in paint were found on the metal green crosswalk push buttons/hoods, the metal yellow crosswalk push buttons/hoods, the metal white/black crosswalk push button signs and the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal green crosswalk push buttons/hoods, the metal yellow crosswalk push buttons/hoods, the metal white/black crosswalk push button signs and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves and the metal yellow push buttons should be tested for TCLP lead to determine waste disposal.
- White rubbery/silicone caulking around the base of the controller cabinet was sampled and found to contain no detectable amounts of asbestos.

Traffic Signal Int. No. 102-279, Route 1 at I-95 Exit 13 NB Off-Ramp & River Park Driveway, Norwalk

- Three (3) metal span poles were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. Detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons/hoods. No detectable amounts of lead in paint were found on the metal white/black crosswalk push button signs and the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal white/black crosswalk push button signs and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves and the metal yellow crosswalk push buttons should be tested for TCLP lead to determine waste disposal.

Traffic Signal Int. No. 102-303, SR 719 at Merritt 7 & Shopping Center Driveway, Norwalk

- Two (2) metal span poles were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. No detectable amounts of lead in paint were found on the metal green crosswalk push button/hoods and the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal green crosswalk push button/hoods and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves should be tested for TCLP lead to determine waste disposal.

Traffic Signal Int. No. 138-240, Route 1 NB at cut-off to East Main St., Stratford

- Detectable amounts of lead were identified on the north metal span pole. The south span pole was wood (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. No detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons/hoods/electrical box on controller cabinet, the metal green crosswalk push button/hood and the metal controller cabinet.
- Projected paint waste debris associated with the north metal span pole was characterized as non-hazardous, non-RCRA waste.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal yellow crosswalk push buttons/hoods/electrical box on controller cabinet, the metal green crosswalk push button/hood and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves should be tested for TCLP lead to determine waste disposal.

Traffic Signal Int. No. 138-241, Route 1 NB at East Drive Dock Shopping Center & Humphrey's Driveway, Stratford

- Four (4) metal span poles were galvanized (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. Detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons. No detectable amounts of lead in paint were found on the metal green traffic light and the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal green traffic

light and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves and the metal yellow crosswalk push buttons should be tested for TCLP lead to determine waste disposal.

Traffic Signal Int. No. 138-242, Route 1 SB at cut-off from Route 1 NB, Stratford

- Detectable amounts of lead were identified on the north metal span pole. The south span pole was galvanized (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. No detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons/hood, the metal green crosswalk push button/hood and the metal controller cabinet.
- Projected paint waste debris associated with the north metal span pole was characterized as CTDEEP/RCRA hazardous waste.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal yellow crosswalk push buttons/hood, the metal green crosswalk push button/hood and the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves should be tested for TCLP lead to determine waste disposal.

Traffic Signal Int. No. 158-220, Route 1 at Turkey Hill Rd. North/South, Westport

- Three (3) span poles were wood (unpainted). Pedestrian crosswalk pedestals were galvanized (unpainted). The paint associated with the metal traffic lights themselves are presently presumed to be lead containing. Detectable amounts of lead in paint were found on the metal yellow crosswalk push buttons/traffic signal on galvanized pedestrian pedestal. No detectable amounts of lead in paint were found on the metal controller cabinet.
- Since no detectable amounts of lead were present on painted metal surfaces of the metal controller cabinet any paint waste generated would be classified as non-hazardous, non-RCRA waste.
- Any paint waste generated from the metal traffic lights themselves and the metal yellow crosswalk push buttons/traffic signal on galvanized pedestrian pedestal should be tested for TCLP lead to determine waste disposal.

Potential universal waste (UW) and Connecticut Regulated Waste (CRW) items associated with the traffic lights themselves, crosswalk signal hoods/buttons and control cabinets (i.e. Hg lamps/PCB ballasts and/or printed circuit boards) are also likely present at the Intersection site.

Laboratory data, inspector notes & project description information are attached.

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

Very Truly Yours,

TRC

Stephen R. Arienti, CHMM
Task Manager

Reviewed By:

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

TRC

TRC

Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792 & #25555) X Ray Fluorescence (XRF) Spectrum Analyzers
Site: 11 Traffic Signals District 3, CT
Project # : 222165.5565.0710
Date(s): 6/23/17, 6/26/17 & 6/27/17
Inspector: Dave Heelon (Lead I/RA CT License No. 002188) & David Webster

Number	Interior/ Exterior	Location	Int. No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm^2)	Precision (mg/cm^2)	Depth Index	Duration (sec)	Date/Time
1			**Self-Calibration**									62.3	6/23/2017 8:58
2			**0.0 Calibration**						0.0	0.0	1.0	11.7	6/23/2017 9:03
3			**1.0 Calibration**						1.0	0.1	1.1	22.2	6/23/2017 9:03
4			**1.6 Calibration**						1.7	0.1	1.2	7.8	6/23/2017 9:04
5	Exterior	North Haven	100-206	push to cross		Metal	Yellow	Intact	**1.6**	**0.1**	1.1	9.0	6/23/2017 9:09
6			100-206		**VOID**								
7	Exterior	North Haven	100-206	push to cross		Metal	Yellow	Intact	**0.4**	**0.1**	1.0	9.4	6/23/2017 9:26
8					**VOID**								
9					**VOID**								
10	Exterior	North Haven	100-206	electrical box		Metal	Grey	Intact	0.0	0.0	1.0	7.8	6/23/2017 9:32
11	Exterior	North Haven	100-206	electrical box	meter box	Metal	Grey	Intact	0.0	0.0	1.8	8.6	6/23/2017 9:34
12	Exterior	North Haven	100-206	electrical box	meter box	Metal	Grey	Intact	0.0	0.0	1.7	7.8	6/23/2017 9:34
13	Exterior	North Haven	100-206	electrical box	meter box	Metal	Grey	Intact	0.0	0.0	4.2	6.7	6/23/2017 9:38
14					**VOID**								
15	Exterior	North Haven	100-207	push to cros pole		Metal	Yellow	Intact	0.0	0.0	4.9	10.2	6/23/2017 9:59
16					**VOID**								
17					**VOID**								
18	Exterior	North Haven	100-207	push to cros pole		Metal	White	Intact	0.0	0.0	2.9	6.6	6/23/2017 10:03
19					**VOID**								
20					**VOID**								
21	Exterior	North Haven	100-207	controller cabinet		Metal	Grey	Intact	0.0	0.0	1.4	7.4	6/23/2017 10:17
22	Exterior	North Haven	100-207	controller cabinet		Metal	Grey	Intact	0.0	0.0	1.1	6.2	6/23/2017 10:17
23					**VOID**							60.0	6/23/2017 11:14
24	Exterior	East Haven	043-206	push to cross pole		Metal	Yellow	Intact	0.0	0.0	2.0	8.2	6/23/2017 11:18
25	Exterior	East Haven	043-206	push to cross pole		Metal	White	Intact	0.0	0.0	1.6	9.8	6/23/2017 11:19
26					**VOID**								
27	Exterior	East Haven	043-206	push to cross sign		Metal	White	Intact	0.0	0.0	1.0	5.9	6/23/2017 11:27
28	Exterior	East Haven	043-206	push to cross sign		Metal	White	Intact	0.0	0.0	1.1	3.5	6/23/2017 11:28
29	Exterior	East Haven	043-206	push to cross sign		Metal	Yellow	Intact	0.0	0.1	7.7	10.9	6/23/2017 11:29
30	Exterior	East Haven	043-206	controller cabinet		Metal	Grey	Intact	0.0	0.0	1.9	7.0	6/23/2017 11:31
31	Exterior	East Haven	043-206	controller cabinet		Metal	Grey	Intact	0.0	0.0	1.0	6.6	6/23/2017 11:31
32	Exterior	East Haven	043-206	controller cabinet	box on side	Metal	Grey	Intact	0.0	0.0	1.0	6.7	6/23/2017 11:33
33	Exterior	East Haven	043-206	controller cabinet	box on side	Metal	Grey	Intact	0.0	0.0	1.2	4.7	6/23/2017 11:33
34					**VOID**								
35					**VOID**								
36					**VOID**								
37					**VOID**								
38	Exterior	Milford	083-216	push to cross pole		Metal	Yellow	Intact	**0.8**	**0.1**	1.0	6.6	6/23/2017 14:34
39	Exterior	Milford	083-216	push to cross pole		Metal	White	Intact	0.0	0.0	3.5	11.7	6/23/2017 14:35

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

Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792 & #25555) X Ray Fluorescence (XRF) Spectrum Analyzers
Site: 11 Traffic Signals District 3, CT
Project # : 222165.5565.0710
Date(s): 6/23/17, 6/26/17 & 6/27/17
Inspector: Dave Heelon (Lead I/RA CT License No. 002188) & David Webster

Number	Interior/ Exterior	Location	Int. No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm^2)	Precision (mg/cm^2)	Depth Index	Duration (sec)	Date/Time
40	Exterior	Milford	083-216	push to cross pole		Metal	White	Intact	0.0	0.0	1.9	7.0	6/23/2017 14:49
41	Exterior	Milford	083-216	push to cross pole		Metal	Yellow	Intact	**1.0**	**0.1**	1.1	11.3	6/23/2017 14:50
42					**VOID**								
43					**VOID**								
44	Exterior	Milford	083-216	controller cabinet		Metal	Grey	Intact	0.0	0.0	1.2	6.6	6/23/2017 14:55
45	Exterior	Milford	083-216	controller cabinet		Metal	Grey	Intact	0.0	0.0	1.0	7.4	6/23/2017 14:56
46			**Self-Calibration**									62.0	6/23/2017 15:16
47			**0.0 Calibration**						0.0	0.0	1.0	7.8	6/23/2017 15:17
48			**1.0 Calibration**						1.0	0.1	1.1	9.4	6/23/2017 15:17
49			**1.6 Calibration**						1.5	0.1	1.1	10.5	6/23/2017 15:18
50			**Self-Calibration**									171.9	6/26/2017 8:51
51			**0.3 Calibration**						0.3	0.1	1.1	2.5	6/26/2017 8:53
52			**0.7 Calibration**						0.7	0.1	1.1	3.6	6/26/2017 8:53
53			**1.6 Calibration**						1.6	0.4	1.2	1.8	6/26/2017 8:54
54	Exterior	Darien	35-218	SIGNAL CABINET		Metal	Grey	Defective	0.0	0.0	1.3	3.9	6/26/2017 8:58
55	Exterior	Darien	35-218	SIGNAL CABINET		Metal	Grey	Defective	0.0	0.0	1.0	4.3	6/26/2017 8:59
56	Exterior	Darien	35-218	SIGNAL POLE		Metal	Grey	Defective	**0.1**	**0.0**	1.2	3.6	6/26/2017 9:00
57	Exterior	Darien	35-218	SIGNAL POLE		Metal	Grey	Defective	**0.1**	**0.1**	1.0	2.5	6/26/2017 9:01
58	Exterior	Darien	35-218	SIGNAL POLE	PUSH BUTTON	Metal	Yellow	Defective	**3.2**	**0.5**	1.1	2.8	6/26/2017 9:06
59	Exterior	Darien	35-218	SIGNAL POLE	BOTTOM BASE	Metal	Grey	Defective	**0.2**	**0.1**	1.4	1.3	6/26/2017 9:08
60	Exterior	Darien	35-218	SIGNAL POLE	BOTTOM BASE	Metal	Grey	Defective	**0.2**	**0.1**	1.2	2.6	6/26/2017 9:08
61	Exterior	Norwalk	102-279	SIGNAL CABINET	--	Metal	Grey	Intact	0.0	0.0	1.0	4.4	6/26/2017 10:00
62	Exterior	Norwalk	102-279	SIGNAL CABINET	--	Metal	Grey	Intact	0.0	0.0	1.0	3.6	6/26/2017 10:01
63	Exterior	Norwalk	102-279	SIGNAL CABINET	Door	Metal	Grey	Intact	0.0	0.0	1.0	4.4	6/26/2017 10:02
64	Exterior	Norwalk	102-279	SIGNAL BUTTON	--	Metal	Yellow	Defective	**0.9**	**0.1**	1.1	30.0	6/26/2017 10:08
65	Exterior	Norwalk	102-279	SIGNAL BUTTON	--	Metal	Yellow	Defective	**0.8**	**0.1**	1.1	25.9	6/26/2017 10:11
66	Exterior	Norwalk	102-303	SIGNAL BUTTON	--	Metal	Green	Intact	0.0	0.0	3.9	8.8	6/26/2017 10:47
67	Exterior	Norwalk	102-303	SIGNAL BUTTON	--	Metal	Green	Intact	0.0	0.0	4.9	6.6	6/26/2017 10:48
68	Exterior	Norwalk	102-303	SIGNAL CABINET	--	Metal	Grey	Intact	0.0	0.0	4.3	12.2	6/26/2017 10:54
69	Exterior	Norwalk	102-303	SIGNAL CABINET	--	Metal	Grey	Intact	0.0	0.0	1.0	2.5	6/26/2017 10:54
70	Exterior	Norwalk	102-303	SIGNAL CABINET	Door	Metal	Grey	Intact	0.0	0.0	1.0	3.3	6/26/2017 10:55
71	Exterior	Westport	158-220	SIGNAL CABINET	--	Metal	Grey	Intact	0.0	0.0	1.0	3.5	6/26/2017 11:49
72	Exterior	Westport	158-220	SIGNAL CABINET	Door	Metal	Grey	Intact	0.0	0.0	1.0	4.3	6/26/2017 11:50
73	Exterior	Westport	158-220	SIGNAL BUTTON	--	Metal	Yellow	Defective	**0.5**	**0.1**	1.1	11.9	6/26/2017 11:56
74	Exterior	Westport	158-220	SIGNAL BUTTON	--	Metal	Yellow	Defective	**0.5**	**0.1**	1.0	21.7	6/26/2017 11:57
75	Exterior	Stratford	138-241	SIGNAL CABINET	--	Metal	Grey	Intact	0.0	0.0	1.0	4.5	6/26/2017 12:54
76	Exterior	Stratford	138-241	SIGNAL CABINET	Door	Metal	Grey	Intact	0.0	0.0	1.0	4.4	6/26/2017 12:55
77	Exterior	Stratford	138-241	SIGNAL BUTTON	--	Metal	Yellow	Defective	**0.6**	**0.1**	1.0	20.5	6/26/2017 13:00
78	Exterior	Stratford	138-241	TRAFFIC LIGHT SIGNAL	--	Metal	Green	Defective	0.0	0.0	1.3	3.8	6/26/2017 13:24

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

Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792 & #25555) X Ray Fluorescence (XRF) Spectrum Analyzers
Site: 11 Traffic Signals District 3, CT
Project # : 222165.5565.0710
Date(s): 6/23/17, 6/26/17 & 6/27/17
Inspector: Dave Heelon (Lead I/RA CT License No. 002188) & David Webster

Number	Interior/ Exterior	Location	Int. No.	Structure	Feature	Material	Color	Condition	Reading (mg/cm^2)	Precision (mg/cm^2)	Depth Index	Duration (sec)	Date/Time
79			**0.3 Calibration**						0.3	0.1	1.1	3.6	6/26/2017 13:34
80			**0.7 Calibration**						0.7	0.2	1.1	2.5	6/26/2017 13:34
81			**1.6 Calibration**						1.5	0.2	1.1	4.3	6/26/2017 13:34
82			**Self-Calibration**									174.2	6/27/2017 8:25
83			**0.3 Calibration**						0.3	0.1	1.1	2.5	6/27/2017 8:30
84			**0.7 Calibration**						0.7	0.2	1.2	2.8	6/27/2017 8:30
85			**1.6 Calibration**						1.5	0.2	1.1	3.3	6/27/2017 8:30
86	Exterior	Stratford	138-240	SIGNAL CABINET		Metal	Grey	Intact	0.0	0.0	1.0	10.0	6/27/2017 8:33
87	Exterior	Stratford	138-240	SIGNAL CABINET	Door	Metal	Grey	Intact	0.0	0.0	1.0	4.4	6/27/2017 8:34
88	Exterior	Stratford	138-240	SIGNAL BUTTON	--	Metal	Yellow	Intact	0.0	0.0	2.7	2.5	6/27/2017 8:37
89	Exterior	Stratford	138-240	SIGNAL POLE	--	Metal	Grey	Defective	**0.1**	**0.1**	1.3	2.5	6/27/2017 8:39
90	Exterior	Stratford	138-240	SIGNAL POLE	--	Metal	Grey	Defective	0.0	0.0	1.0	2.5	6/27/2017 8:40
91					**VOID**								
92	Exterior	Stratford	138-242	SIGNAL POLE	--	Metal	Grey	Defective	**1.5**	**0.1**	1.2	5.3	6/27/2017 9:19
93	Exterior	Stratford	138-242	SIGNAL POLE	--	Metal	Grey	Defective	**1.6**	**0.2**	1.3	3.8	6/27/2017 9:19
94	Exterior	Stratford	138-242	SIGNAL BUTTON	--	Metal	Yellow	Defective	0.0	0.0	1.4	8.9	6/27/2017 9:21
95	Exterior	Stratford	138-242	PEDASTAL SIGN	--	Metal	Green	Intact	0.0	0.0	1.0	4.5	6/27/2017 9:24
96	Exterior	Stratford	138-242	PEDASTAL SIGNAL BUTTON	--	Metal	Yellow	Intact	0.0	0.0	2.8	3.6	6/27/2017 9:26
97	Exterior	Stratford	138-242	SIGNAL CABINET	--	Metal	Grey	Intact	0.0	0.0	1.0	5.6	6/27/2017 9:29
98	Exterior	Stratford	138-242	SIGNAL CABINET	Door	Metal	Grey	Intact	0.0	0.0	1.0	5.6	6/27/2017 9:30
99			**0.3 Calibration**						0.3	0.1	1.1	3.6	6/27/2017 9:54
100			**0.7 Calibration**						0.6	0.1	1.0	3.6	6/27/2017 9:55
101			**1.0 Calibration**						0.9	0.1	1.1	20.5	6/27/2017 9:56
102			**1.6 Calibration**						1.5	0.3	1.1	2.6	6/27/2017 9:57

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

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

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

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

Analytical Report

CET# 7060828

Report Date:July 06, 2017
Project: CTDOT Signs
Project Number: District 3 Traffic Signals
PO Number: 222165.5565.0710

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

NELAP ACCREDITED TNI LABORATORY

New York NELAP Accreditation: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 25.4°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
PC1	7060828-01	Paint Chip	6/23/2017 8:58	06/29/2017
PC2	7060828-02	Paint Chip	6/23/2017 9:12	06/29/2017
PC3	7060828-03	Paint Chip	6/23/2017 10:02	06/29/2017
PC4	7060828-04	Paint Chip	6/23/2017 10:05	06/29/2017
PC5	7060828-05	Paint Chip	6/23/2017 10:10	06/29/2017
PC6	7060828-06	Paint Chip	6/23/2017 11:12	06/29/2017
PC7	7060828-07	Paint Chip	6/23/2017 11:18	06/29/2017
PC8	7060828-08	Paint Chip	6/23/2017 11:28	06/29/2017
PC9	7060828-09	Paint Chip	6/23/2017 14:34	06/29/2017
PC10	7060828-10	Paint Chip	6/23/2017 14:52	06/29/2017
PC12	7060828-11	Paint Chip	6/26/2017 10:23	06/29/2017
PC13	7060828-12	Paint Chip	6/26/2017 11:10	06/29/2017
PC14	7060828-13	Paint Chip	6/26/2017 11:42	06/29/2017
PC15	7060828-14	Paint Chip	6/26/2017 12:50	06/29/2017
PC16	7060828-15	Paint Chip	6/26/2017 13:59	06/29/2017
PC17	7060828-16	Paint Chip	6/26/2017 14:23	06/29/2017
PC18	7060828-17	Paint Chip	6/27/2017 9:10	06/29/2017
PC19	7060828-18	Paint Chip	6/27/2017 9:12	06/29/2017
PC20	7060828-19	Paint Chip	6/27/2017 9:34	06/29/2017
PC21	7060828-20	Paint Chip	6/27/2017 10:31	06/29/2017
PC22	7060828-21	Paint Chip	6/27/2017 10:41	06/29/2017
PC CC1	7060828-22	Paint Chip	6/23/2017 9:40	06/29/2017
PC CC2	7060828-23	Paint Chip	6/23/2017 10:25	06/29/2017
PC CC3	7060828-24	Paint Chip	6/23/2017 11:34	06/29/2017
PC CC4	7060828-25	Paint Chip	6/23/2017 15:12	06/29/2017
PC CC5	7060828-26	Paint Chip	6/26/2017 9:12	06/29/2017
PC CC6	7060828-27	Paint Chip	6/26/2017 10:58	06/29/2017
PC CC7	7060828-28	Paint Chip	6/26/2017 11:50	06/29/2017
PC CC8	7060828-29	Paint Chip	6/26/2017 13:03	06/29/2017
PC CC9	7060828-30	Paint Chip	6/26/2017 14:12	06/29/2017
PC CC10	7060828-31	Paint Chip	6/27/2017 9:28	06/29/2017
PC CC11	7060828-32	Paint Chip	6/27/2017 10:50	06/29/2017
PC SP1	7060828-33	Paint Chip	6/27/2017 10:10	06/29/2017
PC SP2	7060828-34	Paint Chip	6/27/2017 9:42	06/29/2017
SP3	7060828-35	Paint Chip	6/27/2017 11:06	06/29/2017
PC11	7060828-36	Paint Chip	6/26/2017 10:23	06/29/2017

CET # : 7060828
Project: CTDOT Signs
Project Number: District 3 Traffic Signals

Analyte: Total Lead [EPA 6010C]

Analyst: CD

Matrix: Paint Chip

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
7060828-01	PC1	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 20:41	
7060828-02	PC2	11	0.10	%	1	B7F3035	06/30/2017	07/03/2017 20:46	
7060828-03	PC3	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 20:51	
7060828-04	PC4	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:04	
7060828-05	PC5	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:08	
7060828-06	PC6	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:12	
7060828-07	PC7	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:17	
7060828-08	PC8	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:21	
7060828-09	PC9	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:26	
7060828-10	PC10	2.7	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:30	
7060828-11	PC12	8.7	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:35	
7060828-12	PC13	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:40	
7060828-13	PC14	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:44	
7060828-14	PC15	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 21:57	
7060828-15	PC16	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 22:01	
7060828-16	PC17	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 22:06	
7060828-17	PC18	ND	0.10	%	1	B7F3035	06/30/2017	07/03/2017 22:11	
7060828-18	PC19	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:05	
7060828-19	PC20	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:10	
7060828-20	PC21	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:23	
7060828-21	PC22	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:27	
7060828-22	PC CC1	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:32	
7060828-23	PC CC2	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:36	
7060828-24	PC CC3	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:40	
7060828-25	PC CC4	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:45	
7060828-26	PC CC5	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:51	
7060828-27	PC CC6	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 11:55	
7060828-28	PC CC7	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:00	
7060828-29	PC CC8	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:04	

CET # : 7060828
Project: CTDOT Signs
Project Number: District 3 Traffic Signals

Analyte: Total Lead [EPA 6010C]

Analyst: CD

Matrix: Paint Chip

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
7060828-30	PC CC9	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:17	
7060828-31	PC CC10	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:21	
7060828-32	PC CC11	ND	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:25	
7060828-33	PC SP1	**0.38**	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:30	
7060828-34	PC SP2	**0.39**	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:34	
7060828-36	PC11	**18**	0.10	%	1	B7G0524	07/05/2017	07/06/2017 12:38	

Analyte: TCLP Lead [EPA 6010C]

Analyst: CD

Prep: EPA 3005A-1311

Matrix: Extract

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
7060828-35	SP3	**160**	0.013	mg/L	1	B7G0516	07/05/2017	07/05/2017 14:19	

All 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

This technical report was reviewed by Robert Blake

R Blake J.

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 # : 7060828
Project: CTDOT Signs
Project Number: District 3 Traffic Signals

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

7060828

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

Edition: November 2013
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165.5565.0710	DOT District 3 Traffic Signals		24hr 48hr X 3day 5day
			24hr 48hr X 3day 5day
INSPECTOR: (SIGNATURE) David Webster, David Heelon	(PRINTED) David Webster & David Heelon		

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
PC1	6/23/17	0858		X	100-206 SOUTH						X	Paint chip
PC2	6/23/17	0912		X	100-206 SOUTH						X	Paint chip
PC3	6/23/17	1002		X	100-207 SOUTH						X	Paint chip
PC4	6/23/17	1005		X	100-207 SOUTH						X	Paint chip
PC5	6/23/17	1010		X	100-207 NORTH						X	Paint chip
PC6	6/23/17	1112		X	43-206 SOUTH						X	Paint chip
PC7	6/23/17	1118		X	43-206 SOUTH						X	Paint chip
PC8	6/23/17	1128		X	43-206						X	Paint chip
PC9	6/23/17	1434		X	83-216 SOUTH						X	Paint chip
PC10	6/23/17	1452		X	83-216 SOUTH						X	Paint chip
PC12	6/26/17	1023		X	102-279						X	Paint chip
PC13	6/26/17	1110		X	102-279						X	Paint chip

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
David Heelon	6/27/17				6/29/17 7:30
(Printed) David Heelon	Time: 15 18	(Printed)	(Printed)	Time:	(Printed)

***Email results to EPlimpton@trcsolutions.com **Please run Total Pb for samples PC CC1 to PC CC11 and PC SP1 to PC SP 2 only run TCLP if detectable amounts of lead found on the corresponding TCLP listed CC1 to CC11 and SP1 to SP2**

25.40 N

7060828

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

Edition: November 2013
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME
222165.5565.0710	DOT District 3 Traffic Signals

INSPECTOR: (SIGNATURE)	(PRINTED)
David Webster David Heelon	David Webster & David Heelon

PARAMETERS

TURNAROUND TIME

		24hr		48hr	X	3day		5day
		24hr		48hr	X	3day		5day

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
PC14	6/26/17	1142		X	102-303						X	Paint chip
PC15	6/26/17	1250		X	158-220						X	Paint chip
PC16	6/26/17	1359		X	138-241						X	Paint chip
PC17	6/26/17	1423		X	138-241						X	Paint chip
PC18	6/27/17	0910		X	138-240 SOUTH						X	Paint chip
PC19	6/27/17	0912		X	138-240 SOUTH						X	Paint chip
PC20	6/27/17	0934		X	138-240 NORTH						X	Paint chip
PC21	6/27/17	1031		X	138-241 NORTH						X	Paint chip
PC22	6/27/17	1041		X	138-242 SOUTH						X	Paint chip
PC CC1	6/23/17	0940		X	100-206 WEST						X	Paint chip
CC1	6/23/17	0940		X	100-206 WEST				X			TCLP Controller Cabinet
PC CC2	6/23/17	1025		X	100-207						X	Paint chip

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
David Heelon	6/27/17				6/29/17 1730
(Printed) David Heelon	Time: 1518	(Printed)	(Printed)	Time:	(Printed)

***Email results to EPlimpton@trcsolutions.com **Please run Total Pb for samples PC CC1 to PC CC11 and PC SP1 to PC SP 2 only run TCLP if detectable amounts of lead found on the corresponding TCLP listed CC1 to CC11 and SP1 to SP2**

25.4°N

7060828

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

Edition: November 2013
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165.5565.0710	DOT District 3 Traffic Signals		24hr / 48hr / X 3day / 5day
			24hr / 48hr / X 3day / 5day
INSPECTOR: (SIGNATURE) David Webster, David Heelon	(PRINTED) David Webster & David Heelon		

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
CC2	6/23/17	1025		X	100-207				X			TCLP Controller Cabinet
PC CC3	6/23/17	1134		X	43-206						X	Paint chip
CC3	6/23/17	1134		X	43-206				X			TCLP Controller Cabinet
PC CC4	6/23/17	1512		X	83-216						X	Paint chip
CC4	6/23/17	1512		X	83-216				X			TCLP Controller Cabinet
PC CC5	6/26/17	0945		X	35-218						X	Paint chip
CC5	6/26/17	0945		X	35-218				X			TCLP Controller Cabinet
PC CC6	6/26/17	1058		X	102-279						X	Paint chip
CC6	6/26/17	1058		X	102-279				X			TCLP Controller Cabinet
PC CC7	6/26/17	1150		X	102-303						X	Paint chip
CC7	6/26/17	1150		X	102-303				X			TCLP Controller Cabinet
PC CC8	6/26/17	1303		X	158-220						X	Paint chip
CC8	6/26/17	1303		X	158-220				X			TCLP Controller Cabinet

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
David Heelon	6/29/17				6/29/17 1730
(Printed) David Heelon	Time: 1518	(Printed)	(Printed)	Time:	(Printed)

***Email results to EPlimpton@trcsolutions.com **Please run Total Pb for samples PC CC1 to PC CC11 and PC SP1 to PC SP 2 only run TCLP if detectable amounts of lead found on the corresponding TCLP listed CC1 to CC11 and SP1 to SP2**

25.4 °N

7060828

TRC

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WINDSOR, CONNECTICUT 06095
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FAX (860) 298-6380

Edition: November 2013
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	TURNAROUND TIME
222165.5565.0710	DOT District 3 Traffic Signals	24hr / 48hr / X 3day / 5day
		24hr / 48hr / X 3day / 5day

INSPECTOR: (SIGNATURE) David Webster, David Heelon (PRINTED) David Webster & David Heelon

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
PC CC9	6/26/17	1412		X	138-241						X	Paint chip
CC9	6/26/17	1412		X	138-241				X			TCLP Controller Cabinet
PC CC10	6/27/17	0928		X	138-240						X	Paint chip
CC10	6/27/17	0928		X	138-240				X			TCLP Controller Cabinet
PC CC11	6/27/17	1050		X	138-242						X	Paint chip
CC11	6/27/17	1050		X	138-242				X			TCLP Controller Cabinet
PC SP1	6/27/17	1010		X	035-218						x	Paint Chip
SP1	6/27/17	1010		X	035-218					X		TCLP Span pole
PC SP2	6/27/17	0942		X	138-240						X	Paint Chip
SP2	6/27/17	0942		X	138-240					X		TCLP Span pole
SP3	6/27/17	1106		X	138-242					X		TCLP Span pole

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
David Heelon	6/27/17				6/29/17 1730
(Printed) David Heelon	Time: 1518	(Printed)	(Printed)	Time:	(Printed)

***Email results to EPlimpton@trcsolutions.com **Please run Total Pb for samples PC CC1 to PC CC11 and PC SP1 to PC SP 2 only run TCLP if detectable amounts of lead found on the corresponding TCLP listed CC1 to CC11 and SP1 to SP2**

25.4 °N

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

Analytical Report

CET# 7070156

Report Date:July 11, 2017
Project: CTDOT Signs
Project Number: District 3 Traffic Signals
PO Number: 222165.5565.0710

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

NELAP ACCREDITED TNI LABORATORY

New York NELAP Accreditation: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 25.4°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
SP1	7070156-01	Paint Chip	6/27/2017 10:10	06/29/2017
SP2	7070156-02	Paint Chip	6/27/2017 9:42	06/29/2017

Analyte: TCLP Lead [EPA 6020A] **Analyst: SS**

Prep: EPA 3005A-1311 **Matrix: Extract**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
7070156-01	SP1	**2.1**	0.013	mg/L	1	B7G1123	07/11/2017	07/11/2017 15:43	
7070156-02	SP2	**0.16**	0.013	mg/L	1	B7G1123	07/11/2017	07/11/2017 15:48	

All 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

This technical report was reviewed by Robert Blake

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 # : 7070156
Project: CTDOT Signs
Project Number: District 3 Traffic Signals

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 6020A in Water	
Lead	NY,CT

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

7070156

TRC

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

Edition: November 2013
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME
222165.5565.0710	DOT District 3 Traffic Signals

TURNAROUND TIME: 24hr | 48hr | X 3day | 5day

INSPECTOR: (SIGNATURE)	(PRINTED)
David Webster David Heelon	David Webster & David Heelon

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
PC CC9	6/26/17	1412		X	138-241						X	Paint chip
CC9	6/26/17	1412		X	138-241				X			TCLP Controller Cabinet
PC CC10	6/27/17	0928		X	138-240						X	Paint chip
CC10	6/27/17	0928		X	138-240				X			TCLP Controller Cabinet
PC CC11	6/27/17	1050		X	138-242						X	Paint chip
CC11	6/27/17	1050		X	138-242				X			TCLP Controller Cabinet
PC SP1	6/27/17	1010		X	035-218						x	Paint Chip
SP1	6/27/17	1010		X	035-218					X		TCLP Span pole
PC SP2	6/27/17	0942		X	138-240						X	Paint Chip
SP2	6/27/17	0942		X	138-240					X		TCLP Span pole
SP3	6/27/17	1106		X	138-242					X		TCLP Span pole

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
David Heelon	6/27/17				Bala 6/29/17 1730
(Printed) David Heelon	Time: 1518	(Printed)	(Printed)	Time:	(Printed)

*Email results to EPlimpton@trcsolutions.com **Please run Total Pb for samples PC CC1 to PC CC11 and PC SP1 to PC SP 2 only run TCLP if detectable amounts of lead found on the corresponding TCLP listed CC1 to CC11 and SP1 to SP2

25.4 °N

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 #. 50857

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165.5565.0710	11 Traffic Signals Inspection		PLM: [ ] 8hr [ ] 24hr [ ] 48hr [X] 3day TEM: [ ] 24hr [ ] 48hr [ ] 3day [ ] 5day
SIGNATURE: David Webster	INSPECTOR: David Webster		

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
1	6/23/17	1033		X	Controller Cabinet 100-207	X					C1-White rubbery silicon like caulk around controller cabinet
2	6/23/17	1034		X	Controller Cabinet 100-207	X				X	C1-White rubbery silicon like caulk around controller cabinet
3	6/26/17	0942		X	Controller Cabinet 35-218	X					C2- White brittle caulk around controller cabinet
4	6/26/17	0943		X	Controller Cabinet 35-218	X				X	C2- White brittle caulk around controller cabinet
5	6/23/17	1448		X	Span Pole 83-216	X					EJ1- Black flaky expansion joint around southern span pole
6	6/23/17	1449		X	Span Pole 83-216	X				X	EJ1- Black flaky expansion joint around southern span pole

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
David Webster	6-27-17	Cathryn Lemire 6/27/17			
(Printed) David Webster	Time: 1255	(Printed) Cathryn Lemire 1330	(Printed)	Time:	(Printed)
Remarks:		Condition of Samples: Acceptable: Yes X No ____ Comments:			Page 1 of 1

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 #: 0050857
Project #: 222165.5565.0710
Date Received: 06/27/2017
Date Analyzed: 06/29/2017

Site: 11 Traffic Signals Inspection

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials		Asbestos %	Asbestos Type
1	White (caulk)	Yes	No	- -	- - -		ND	None
2	White (caulk)	Yes	No	- -	- - -		ND	None
3	White (caulk)	Yes	No	- -	- - -		ND	None
4	White (caulk)	Yes	No	- -	- - -		ND	None
5	Black (expansion joint)	Yes	No	- -	30%	cellulose	ND	None
6	Black (expansion joint)	Yes	No	- -	30%	cellulose	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, 2017. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2018. 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.

Analyzed by: Cathryn Lemire, Laboratory Analyst

Reviewed by: Kathleen Williamson, Laboratory Manager

Date Issued 06/29/2017

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

NT16514

Proscience Analytical Services, Inc.

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

TEM Bulk Chain of Custody Record

Date: 06/29/17

PO#: **C222165**
Client: TRC
Client Job#: 222165.5565.0710
Client Job Ref./Loc.: CT DOT- 11 Traffic Signals Inspection
Relinquished by: C. Lemire- CLemire@trcsolutions.com
Received by: Paula Jarvitt-Lee 6/30/17 9:20
Report to: E. Plimpton- EPlimpton@trcsolutions.com & SArienti@trcsolutions.com
Samplers Name: D. Webster

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

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**
02	50857	Caulk	See COC		
04	50857	Caulk			
06	50857	Expansion Joint			

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 #: 222165.5565.0710
Client Reference: CT DOT - 11 Traffic Signals Inspection
PO #: C222165
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: NT 16514
Method: NOB
Date Received: 6/30/2017
Date Analyzed: 7/5/2017
Date of Report: 7/5/2017

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other	%	%	Total %	Analyzed / Charged	Preped / Charged
					CHR	AMO	ACT	CRO	ANT	TRE	Non-asb.	Organic	Carb.	Asbestos		
NT124458	02	White Rubbery Silicon like Caulk		.7736	.00	.00	.00	.00	.00	.00	25.55	55.02	19.43	**ND**	Yes	No
NT124459	04	White Brittle Caulk		.2447	.00	.00	.00	.00	4.06	.00	36.52	58.60	.82	**4.06**	Yes	No
NT124460	06	Black Flaky Expansion Joint		.0589	.00	.00	.00	.00	.00	.00	4.07	94.40	1.53	**ND**	Yes	No

Comments:

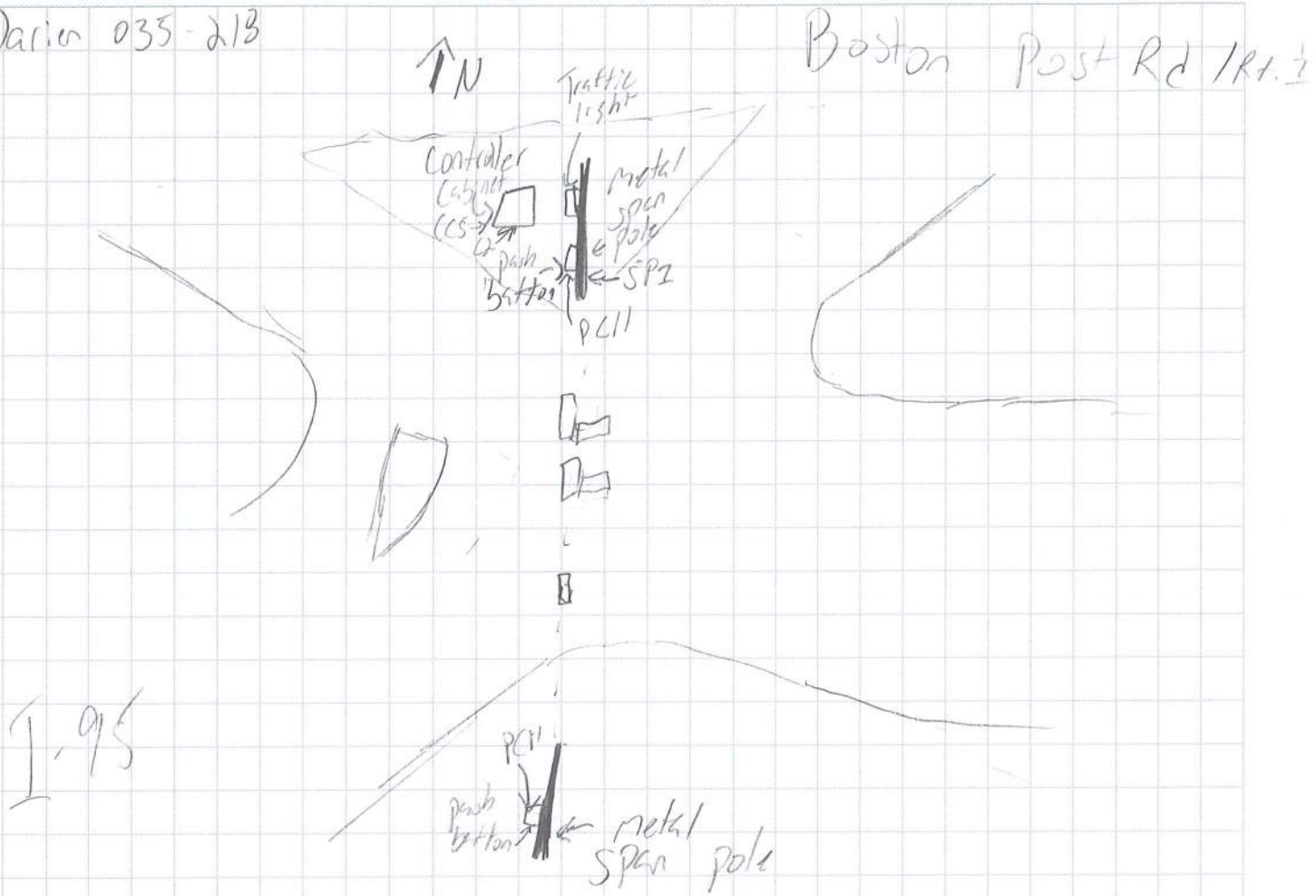
Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

Mark Derosier, Analyst

SHEET NO. _____ OF _____
PROJECT NO. _____
DATE _____
BY _____
CHK'D _____

SUBJECT _____

Darien 033-213



SACM Notes
C2 - white bottle cable on controller cabinet base ~10LF
No other SACM hard

Lead Notes
PC11 - Yellow push button, paint score on north / south sides
CCS: TCLP of silver controller cabinet paint. w/ lyme green paint
SP2: Span pole TCLP of silver / red paint both north / south
* Push button front lugs per each span.

TCLP 2.1 mg/L

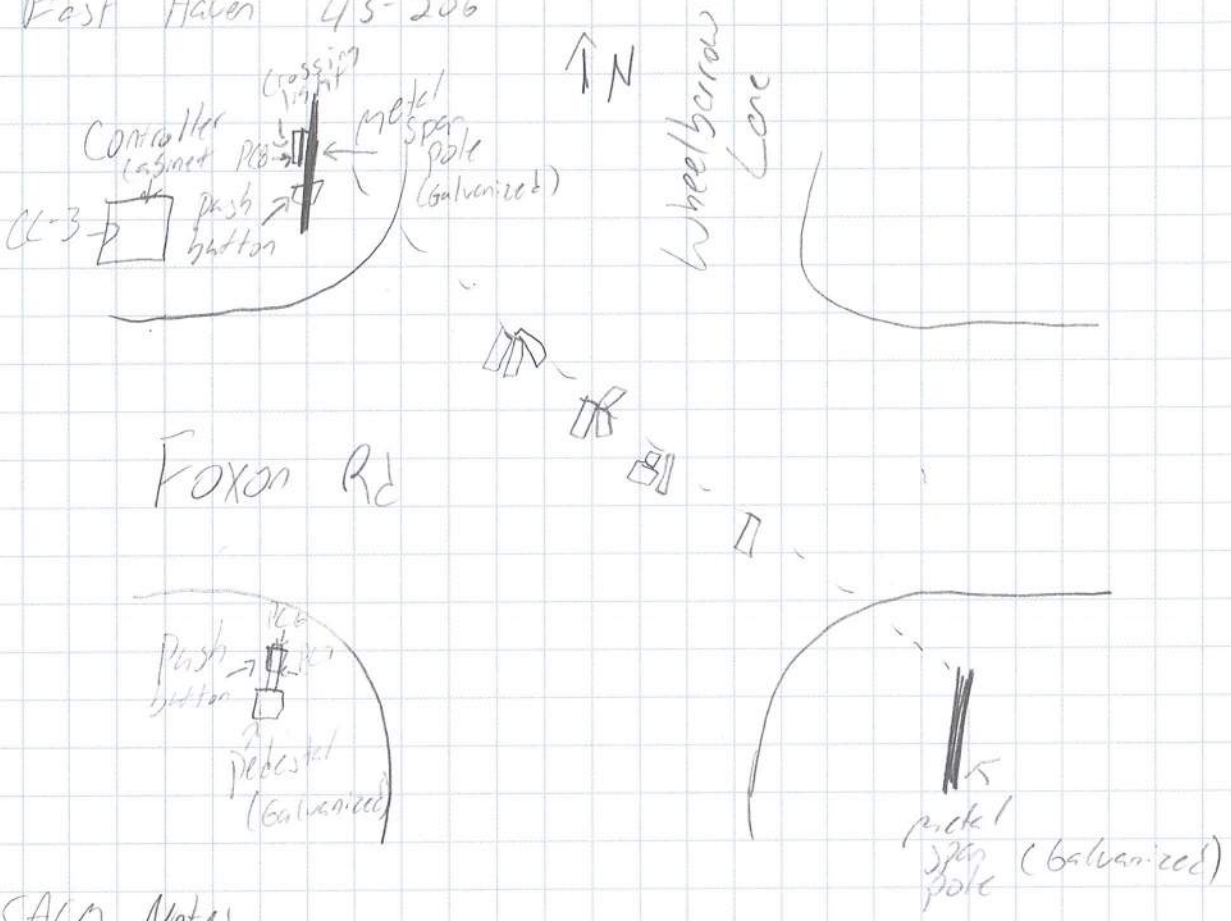
A

SHEET NO. _____ OF _____
PROJECT NO. _____
DATE _____
BY _____
CHK'D _____

TRC Results you can rely on

SUBJECT DOT Traffic Signals

East Haven 4/3-206



SACM Notes
- Silicon caulk around base of Controller Cabinet
- No other SACM Fand

Lead Notes
PCB- Yellow paint chip of push button (South/N sixth Sand)
PC7- White / black paint chip of face of push button sign (South/North Sand)
PC8- Yellow light For crossing on span pole.
CC-3- Silver TCLP from CC

A

SHEET NO. _____ OF _____

PROJECT NO. 222165.5565

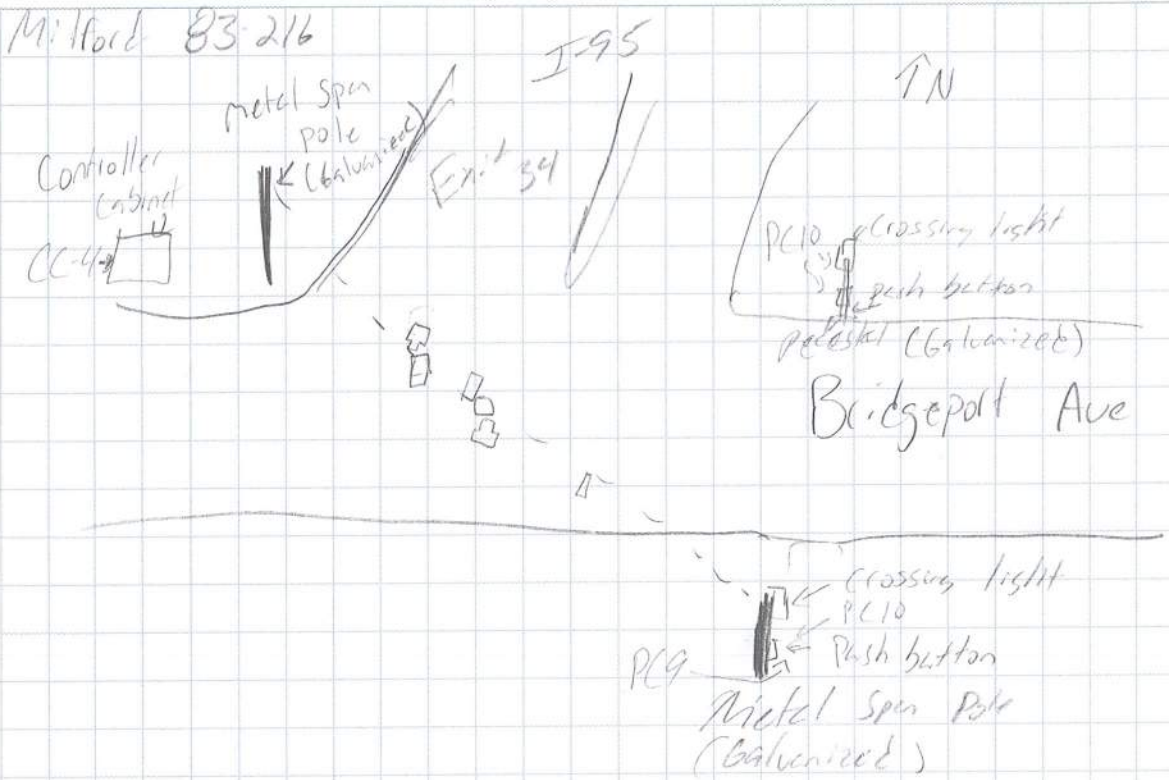
DATE _____

BY _____

CHK'D _____

SUBJECT DOT Traffic Signals

Milford 83-216



SACM Notes

- ESI - Fiberglass Flexy expansion joint around South span poles base @ sidewalk ~12" @ base
- Silicon @ base of Controller Cabinet
- No other SACM found

Lead Notes

PC9 - White / black Push button face sign (Both north / south sides)

PC10 - Yellow paint stripe on push button / lights on both north / south)

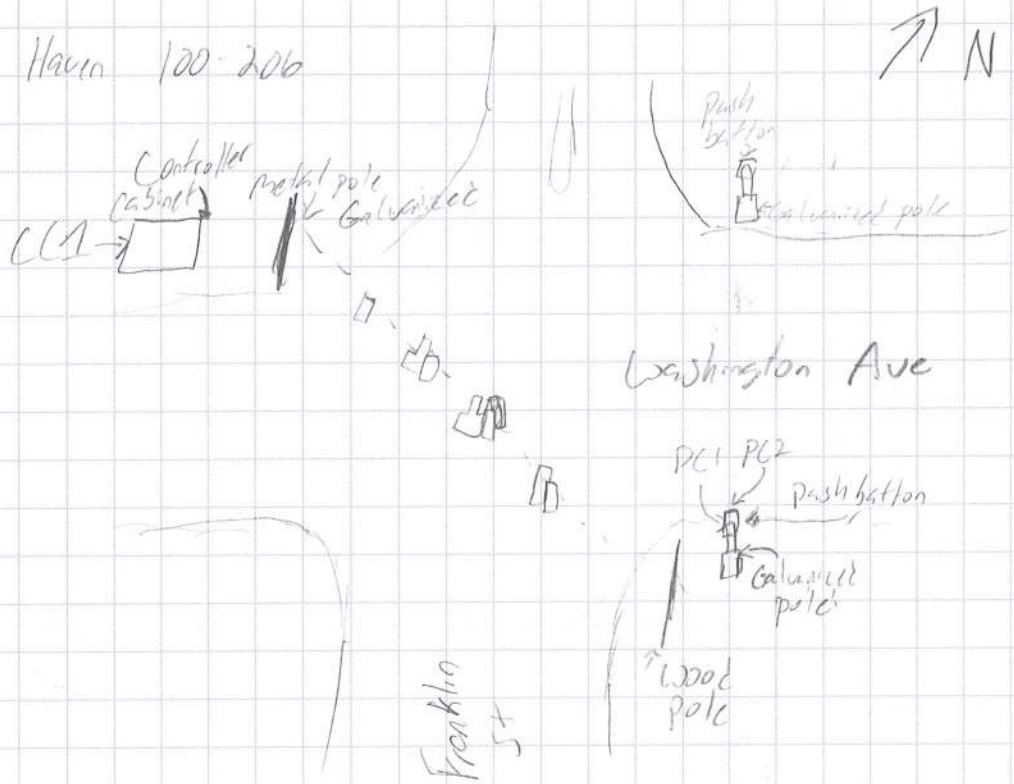
CC-4 - Silver Controller Cabinet.

A

SHEET NO. _____ OF _____
PROJECT NO. _____
DATE _____
BY _____
CHK'D _____

SUBJECT DOT Traffic Signals

North Haven 100-206



SACM Notes
- Silicon caulk around controllers cabinet base
- No other SACM found

Lead Notes

- PC 1 - White face on push to cross
- PC 2 - Yellow sides on push button
* Red is similar between push buttons
- CC 1 - Silver Controllers Cabinet TCLP.

A

SHEET NO. _____ OF _____

PROJECT NO. _____

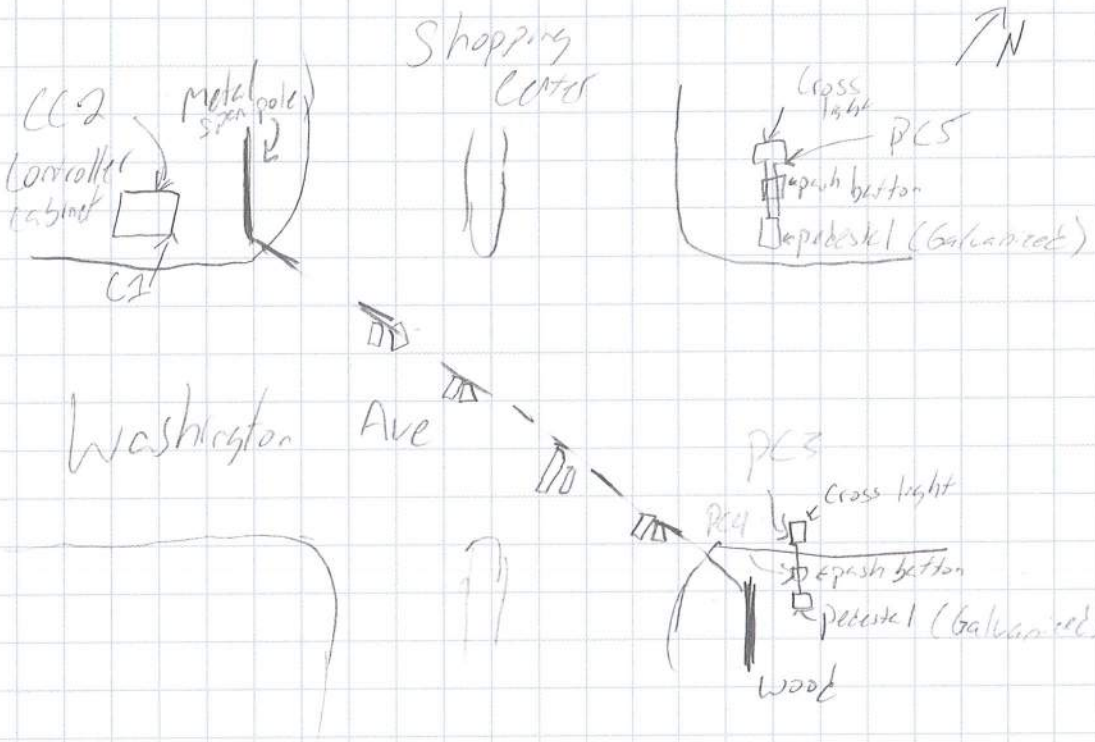
DATE _____

BY _____

CHK'D _____

SUBJECT DOT Traffic Signals

North Haven 100-209



SACM Notes

C1- White rubber/silicon like caulk (may be silicon but scraped) ~12 LF
- None other SACM found.

Lead Notes

PC3- Yellow paint on both push button / cross light on South
PC4- White/black face of push button sign (on both south/north sides)
PC5- Green paint on both push button / cross light hood on Northern side
CC-2 - Silver TCLP on CC w/ some green underneath.

A

SHEET NO. _____ OF _____

PROJECT NO. _____

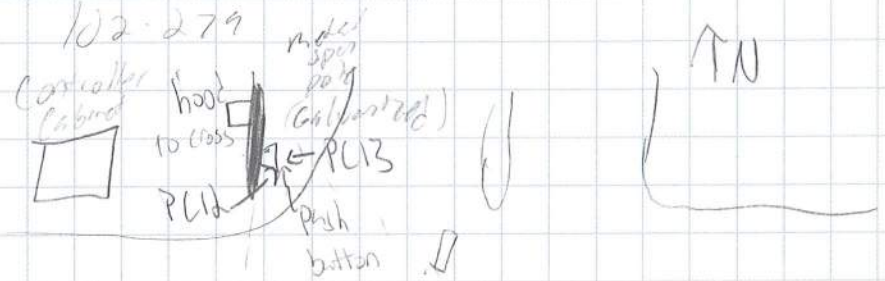
DATE _____

BY _____

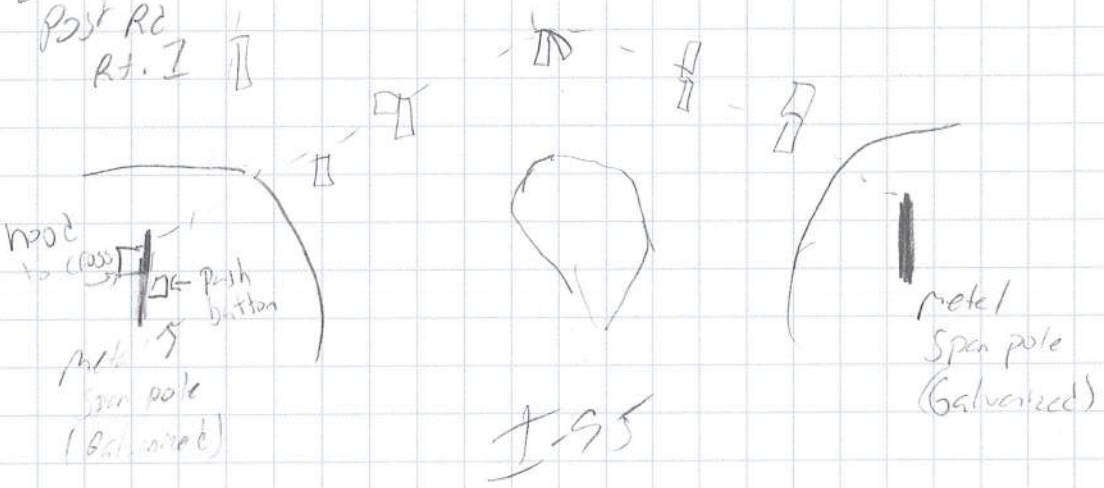
CHK'D _____

SUBJECT DOT Traffic Signals

Norwalk 102-279



Boston
Post Rd
Rt. 1



SAFM Notes

Silicon caulk around controller Cabinet
No other SAFM Fans.

Lead Notes

PC-12 Yellow from push button / crossing hood North / South the same
PC-13-White / black painted face on push button
CCb Silver controller cabinet TCLP.

SHEET NO. _____ OF _____

PROJECT NO. _____

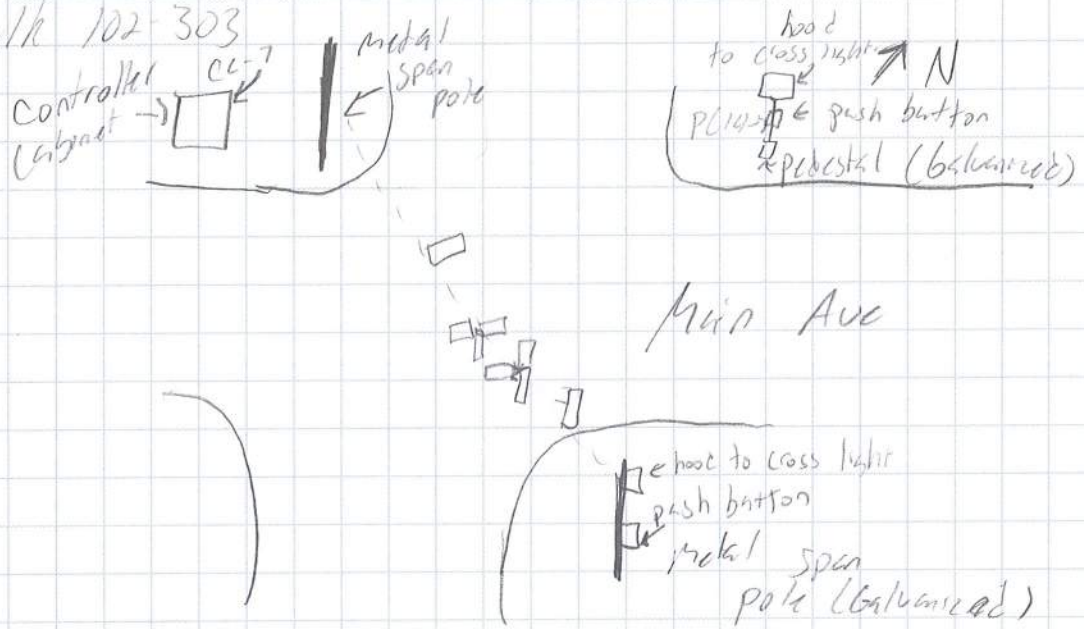
DATE _____

BY _____

CHK'D _____

SUBJECT DOT Traffic Signal

Norwalk 102-303



SACM Notes

- Silicon Chalk around Controller cabinet
- No other SACM found

Lead Notes

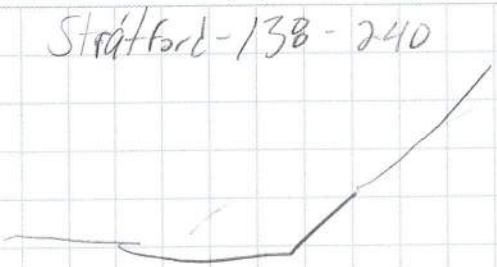
PC 14- Green paint on hood / push buttons to cross (both sides)
CC-7 - Silver ICLP of controller cabinet
* Push button face is pre fab sign.

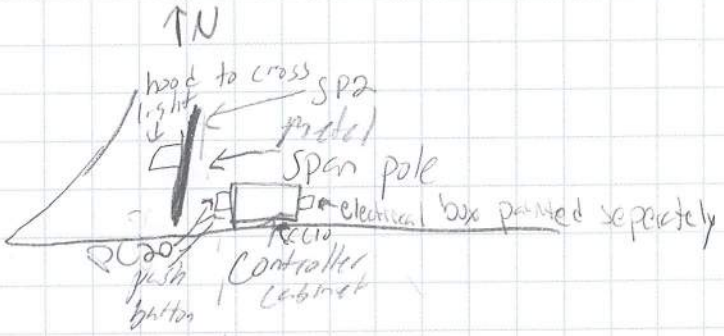
A

SHEET NO. _____ OF _____
PROJECT NO. _____
DATE _____
BY _____
CHK'D _____

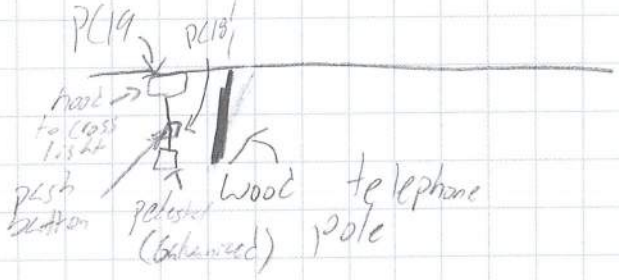
SUBJECT DOT Traffic Signals

Stratford - 138 - 240





Ferry Blvd



SALM Notes
- Silicon on Controller Cabinet
- No other SALM Found

Lead Notes
PC 18- Yellow paint on push button of South side only

PC 19- Southern hoods green paint and directly on push button on North side
PC 20- Older yellow paint on north sides push button/face/additional electric box/hood
* Southern side face of sign is prefab sign.
CC10 Silver Controller cabinet paint
SP2- Silver/red painted Span pole on north side TCLP 0.14 mg/L

A

SHEET NO. _____ OF _____

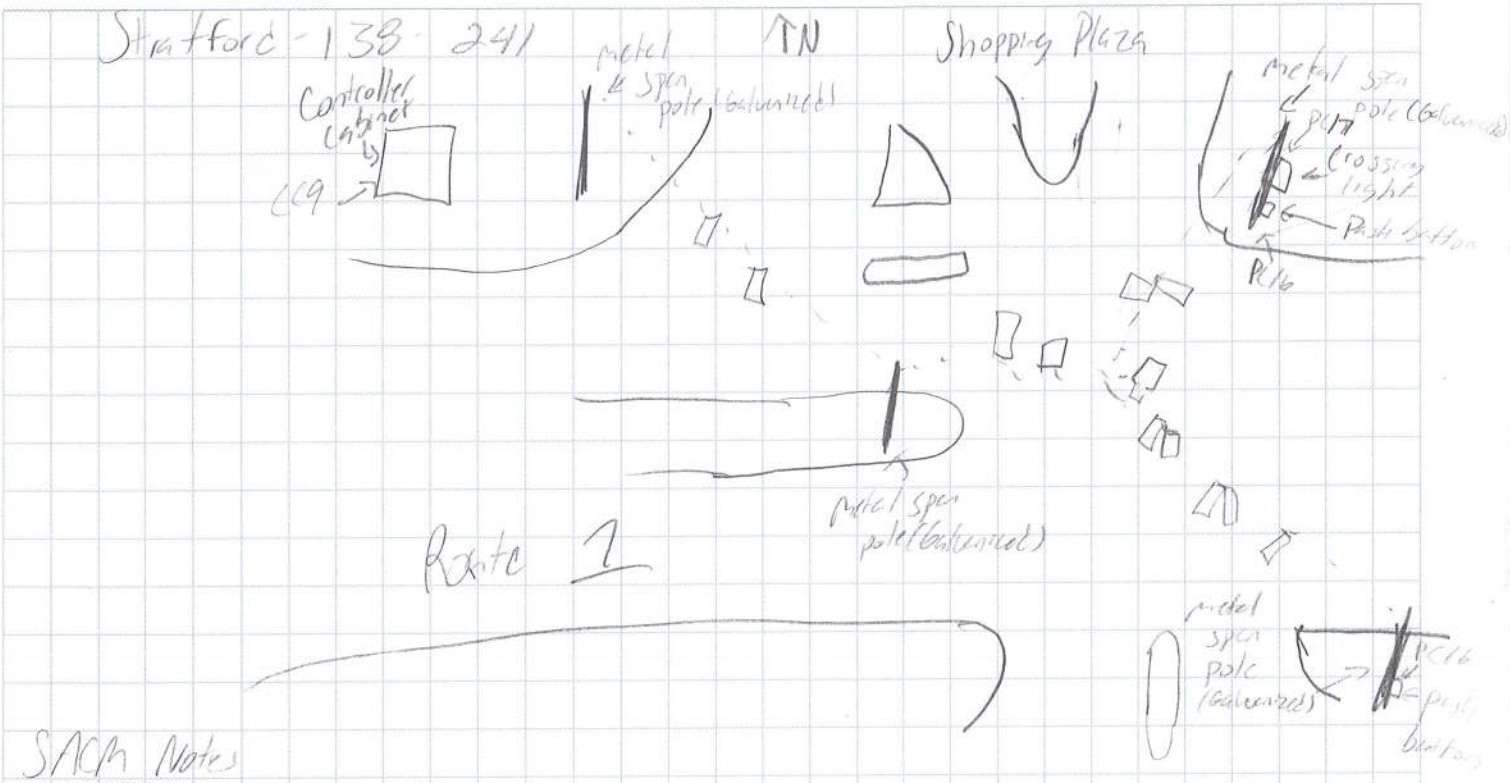
PROJECT NO. _____

DATE _____

BY _____

CHK'D _____

SUBJECT DOT Traffic Signals



SACM Notes

- Silver CAC IA ground Controller Cabinet

Lead Notes

PC-16: Yellow push buttons only both North/South
PC-17 Green cross light on north side
X Face of push button pre fab sign.
CC9: Silver TCLP of Controller Cabinet

SHEET NO. _____ OF _____

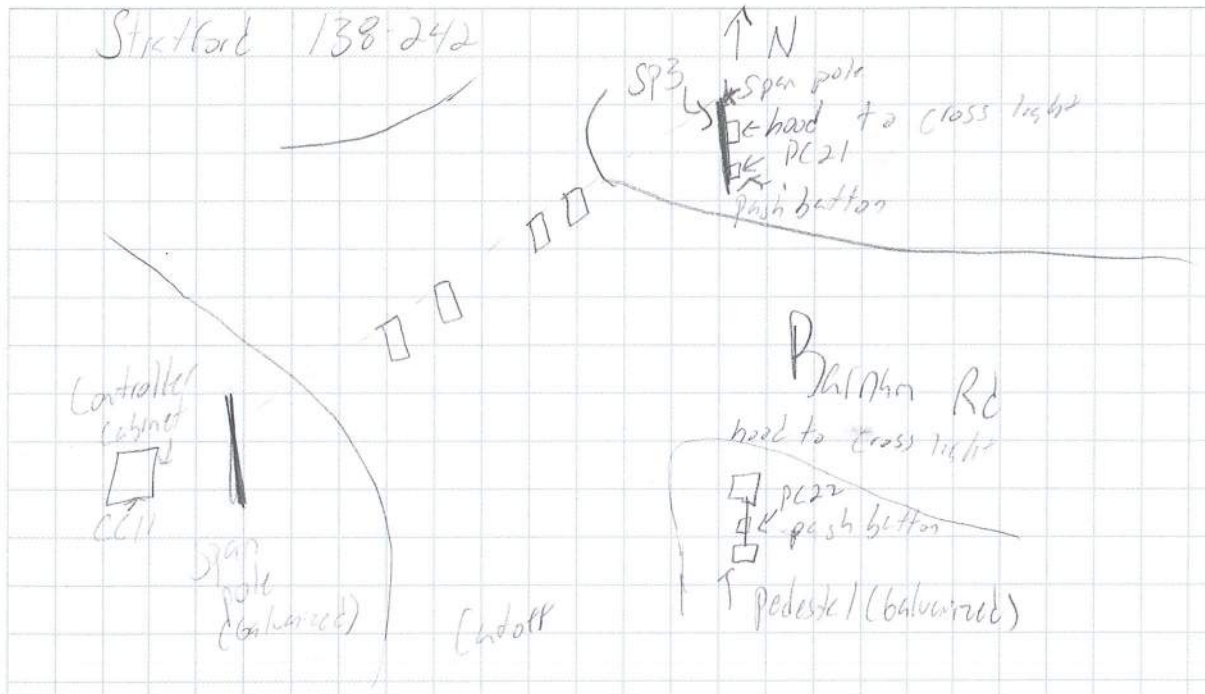
PROJECT NO. _____

DATE _____

BY _____

CHK'D _____

SUBJECT DOT Traffic Signals



SACM Notes

- Silver Cack on controller cabinet
- No other SACM card

Lead Notes

- PC21- Yellow paint on north side push button / hood / face (rusted)
- PC22- Green paint on push button / hood on south side

- SP3- Silver/red/green span pole to north TCLP TCLP 160 mg/L
- CC11- Silver Controller cabinet TCLP
- * South side is new prefab sign

A

SHEET NO. _____ OF _____

PROJECT NO. _____

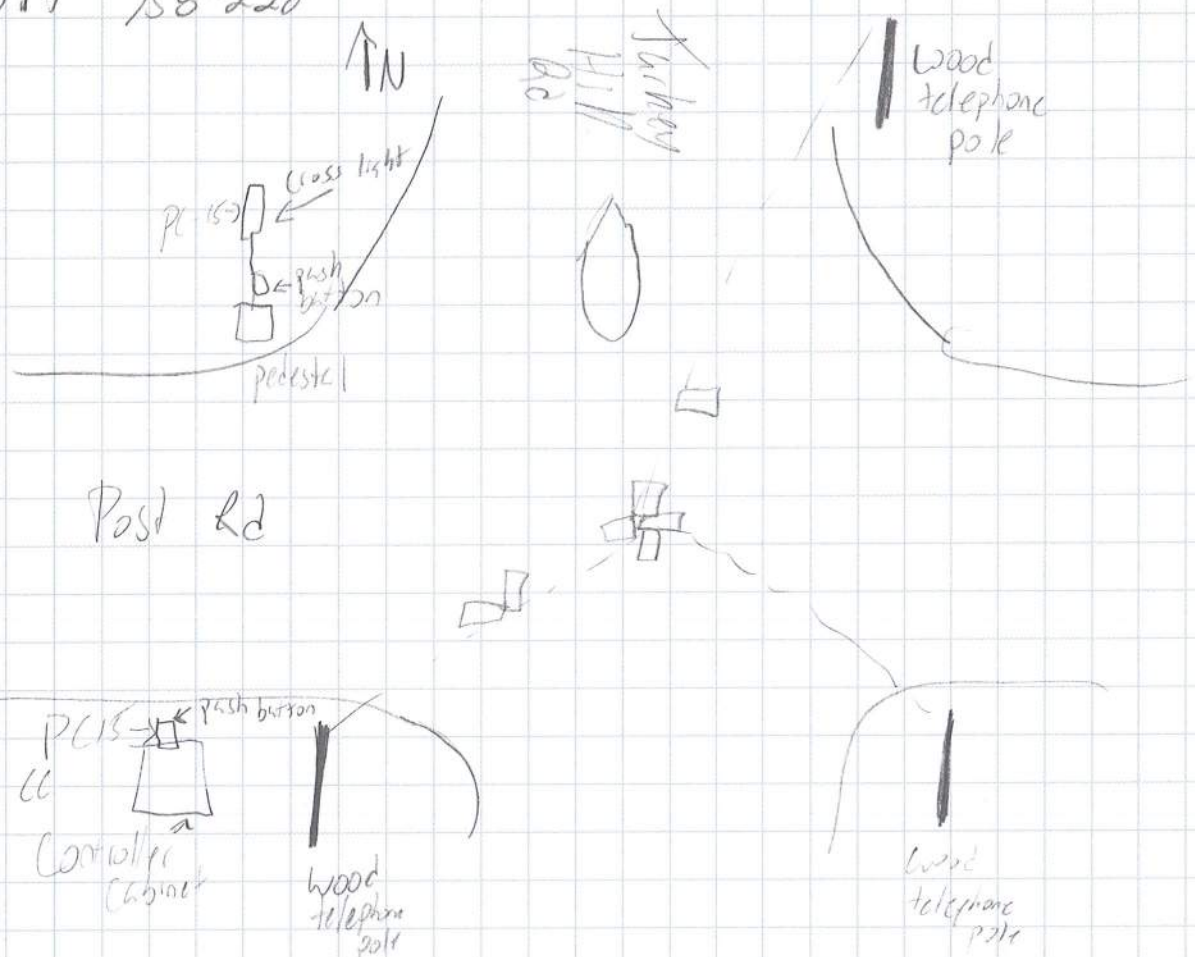
DATE _____

BY _____

CHK'D _____

SUBJECT _____

Westport 158-220



SACM Notes

Silver walk around Controller cabinet

No other SACM found

Lead Notes

PC15 - Yellow paint chip from push button / cross lights (both sides)

CC8 - Silver TCLP of Controller cabinet

* Face of push button prefab sign

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

memorandum

subject: **Hazardous/Contaminated Materials Screening Request**

Project No.: 173-461
F.A.P. No.: 000R(954)
Replacement of Traffic Control Signals at Various Locations in District 3

date:

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

from: Frederick L. Kulakowski, P.E.
For Principal Engineer
2017.05.01 10:37:19-04'00'
Transportation Principal Engineer
Bureau of Engineering and Construction

As indicated in your March 16, 2017 memorandum to Mrs. Barbara B. Ricozzi, please survey the project locations for lead-based paint and any other contaminated or hazardous materials and assign a Task 210 – Subsurface Site Investigation for the three intersection locations in the Town of Stratford. Please complete this review by August 15, 2017.

Project Schedule:

FDP: April 25, 2018
DCD: June 6, 2018
ADV: July 4, 2018

Federal Program: Federal STPA

PE Funding: DOT01730461PE, Resource Type "PE153"

Attached for your information and use are the following:

- Project Description
- Location Plans
- Preliminary Design Plans

Right-of-Way will be required under this project.

This project involves excavation activities at all locations.

Please contact Lazarus Pittman, Project Engineer, at (860) 594-2778, should you have any questions or require additional information.

Please address your response to the attention of: Frederick Kulakowski, Project Manager – Lazarus Pittman, Project Engineer.

Attachments

Lazarus B. Pittman/LBP
cc: Frederick L. Kulakowski – Kenneth A. Lussier

Detailed Project Description: This project will upgrade and replace existing traffic control signal equipment which will require excavation of existing signal equipment as well as excavation for new foundations for span poles, mast arms, pedestals, controller cabinets, etc. Additional excavation will also be required for sidewalk ramps that will be installed or reconstructed to meet current ADA standards. A majority of the excavation is expected to take place within areas that have undergone extensive ground disturbance in the past, however, it is possible that some of the excavation may take place in areas where the ground has not been previously extensively disturbed. There is significantly less than an acre of disturbance for each location. All intersections listed below consist of new signal equipment being installed at existing signalized locations. This project is to be included in the same construction contract with Project 173-460.

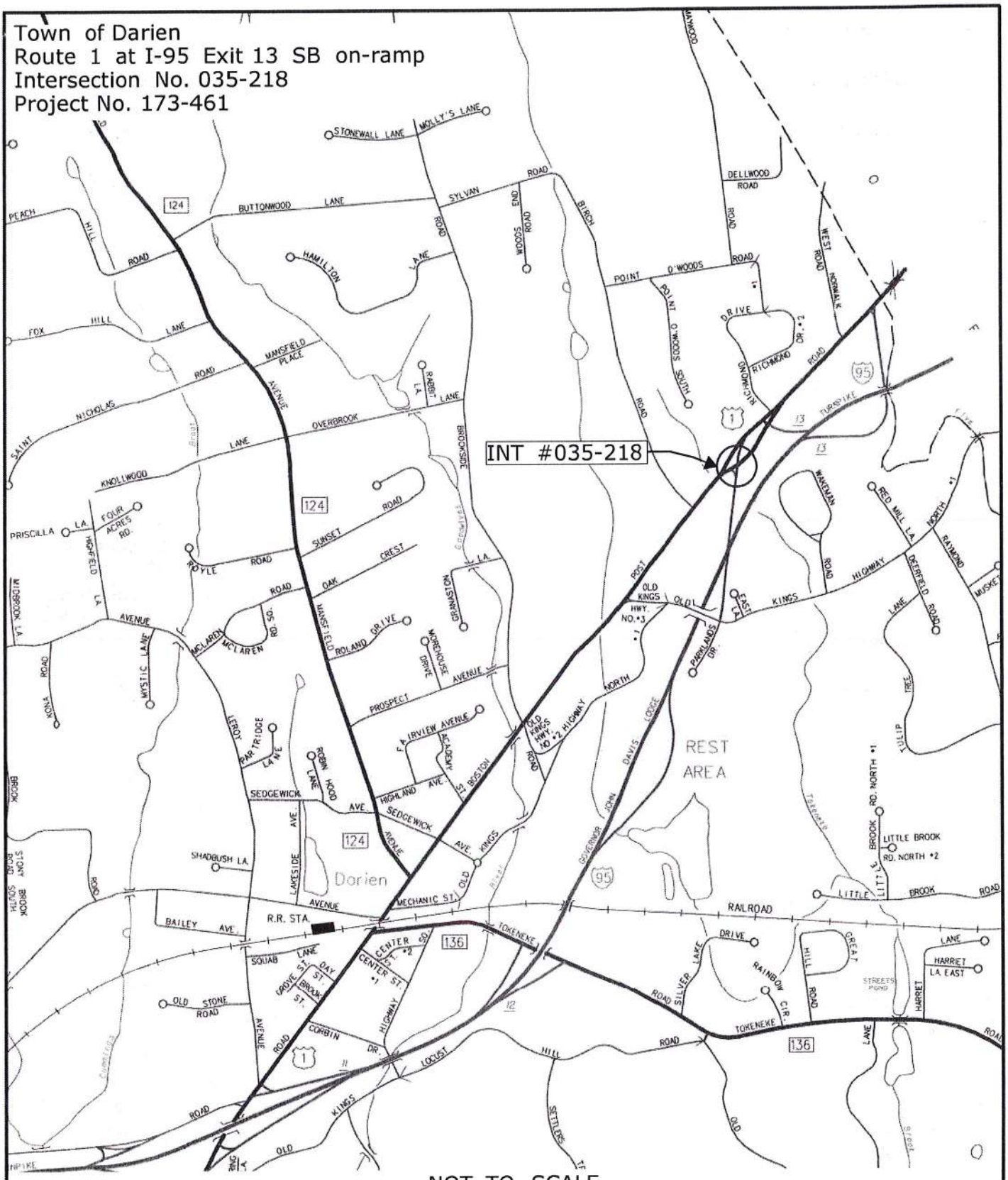
Purpose and need statement: This project will install new traffic control signal equipment, which may include span poles, mast arms, signal heads, span wires, pedestrian countdown heads and pedestals, pedestrian push button pedestals, sidewalks and sidewalk ramps, conduits, loop detectors, and signing and pavement markings.

Existing span poles and foundations will be removed and replaced with new foundations and galvanized structures.

List of Locations in Project 173-461:

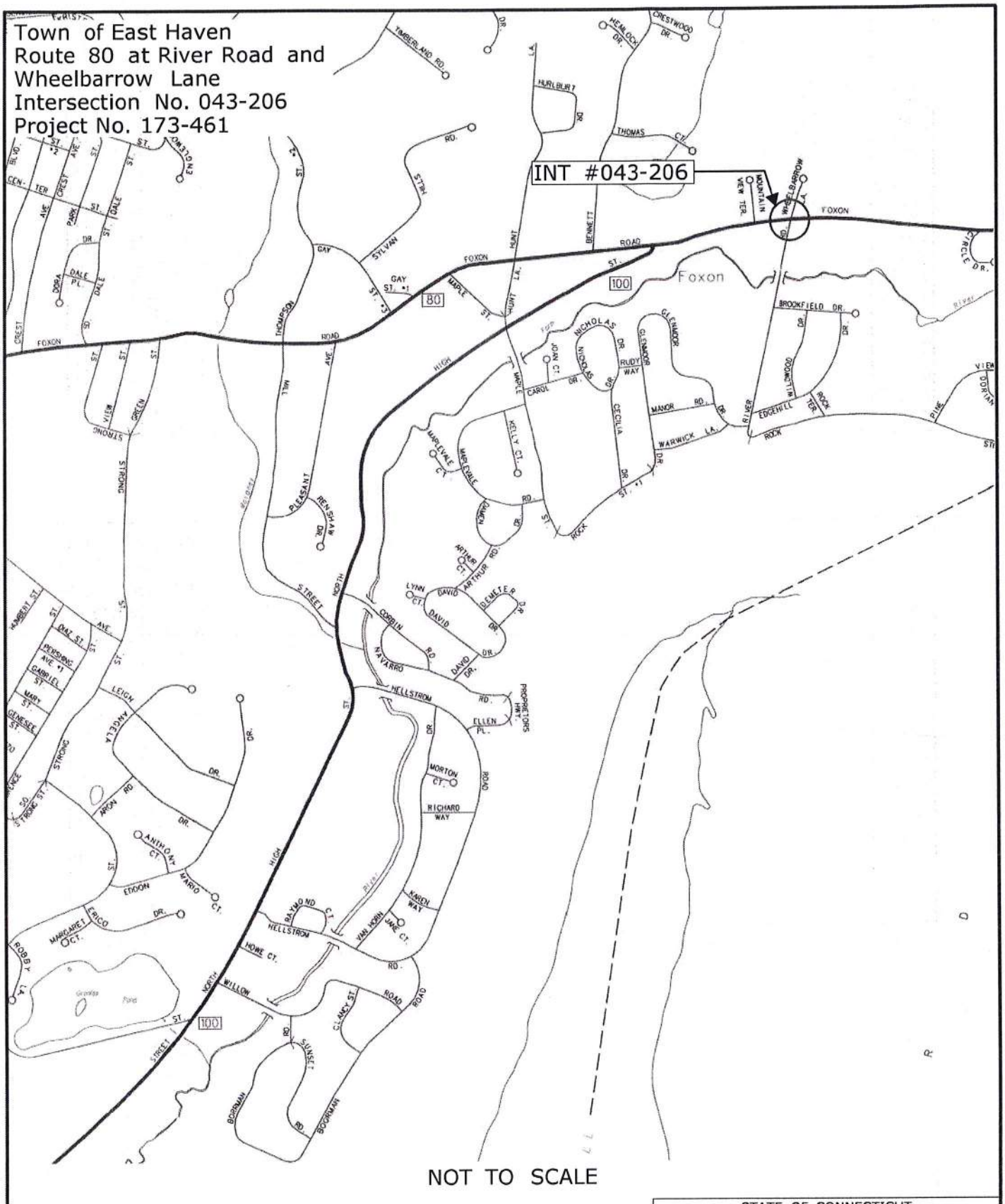
Town	Int. No.	Location
Darien	035-218	U.S. Route 1 (Boston Post Road) at I-95 Exit 13 southbound On-Ramp
East Haven	043-206	Route 80 (Foxon Road) at River Road and Wheelbarrow Lane
Milford	083-216	U.S. Route 1 (Bridgeport Avenue) at I-95 Exit 34 Ramps
North Haven	100-206	Route 5 (Washington Avenue) at Franklin Street and Stop & Shop Driveway
North Haven	100-207	Route 5 (Washington Avenue) at North Haven Shopping Center Driveway
Norwalk	102-279	U.S. Route 1 (Boston Post Road) at I-95 Exit 13 northbound Off-Ramp and RiverPark Driveway
Norwalk	102-303	State Road 719 (Main Avenue) at Merritt 7 (Building 101) and Shopping Center Driveway (456 Main)
Stratford	138-240	U.S. Route 1 northbound (Ferry Boulevard) at cut-off to E. Main Street
Stratford	138-241	U.S. Route 1 (Barnum Avenue Cutoff) at East Drive Dock Shopping Center and Humphrey's Driveway
Stratford	138-242	U.S. Route 1 southbound (Barnum Avenue Cutoff) at cut-off from U.S. Route 1 northbound
Westport	158-220	U.S. Route 1 (Post Road East) at Turkey Hill Road North/South

Town of Darien
Route 1 at I-95 Exit 13 SB on-ramp
Intersection No. 035-218
Project No. 173-461



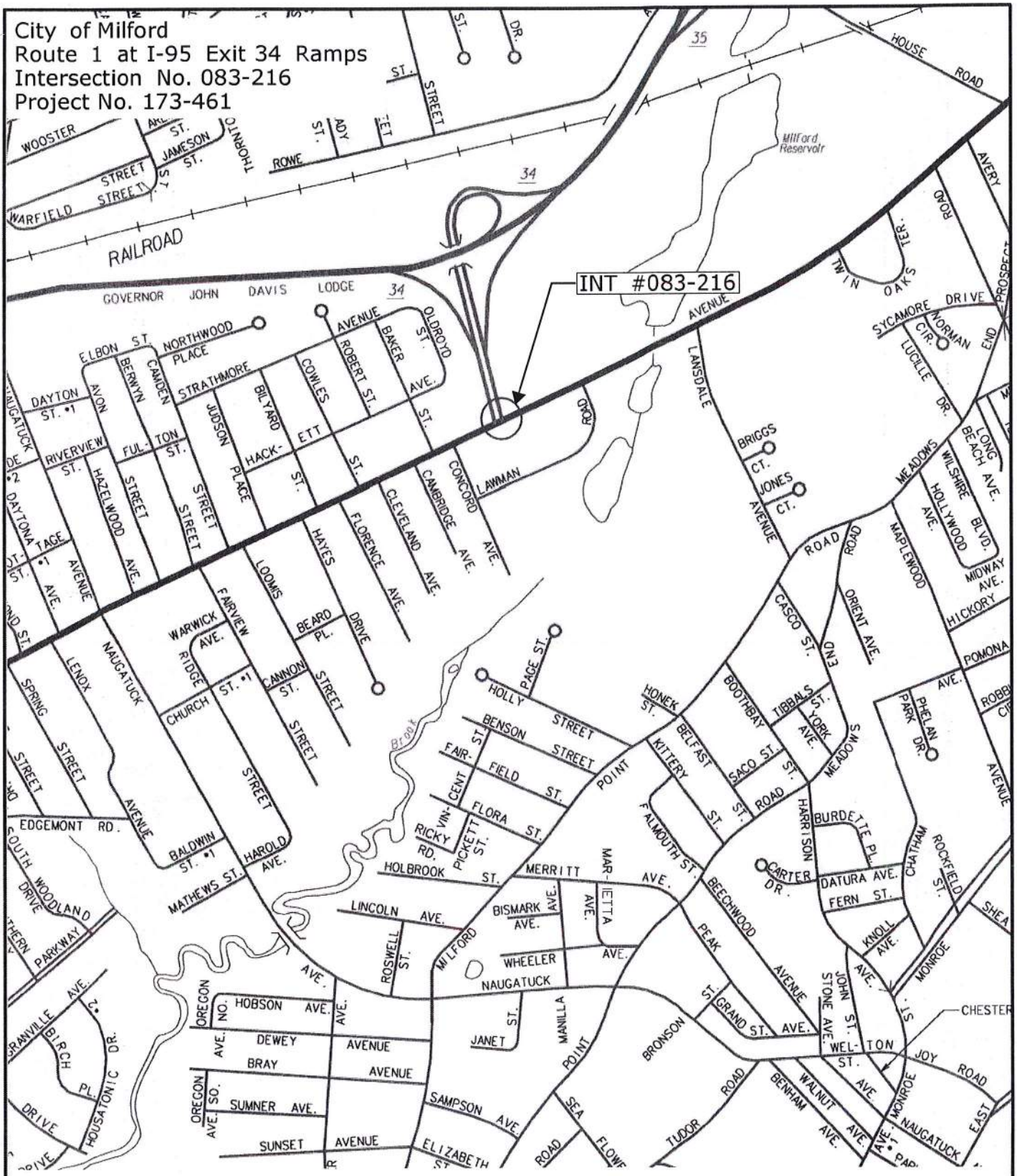
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING

PROJECT NO. 173-461
TOWN OF DARIEN
ROUTE 1 AT I-95 EXIT 13 SB ON-RAMP
INTERSECTION NO. 035-218



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING

PROJECT NO. 173-461
TOWN OF EAST HAVEN
ROUTE 80 AT RIVER ROAD AND
WHEELBARROW LANE
INTERSECTION NO. 043-206

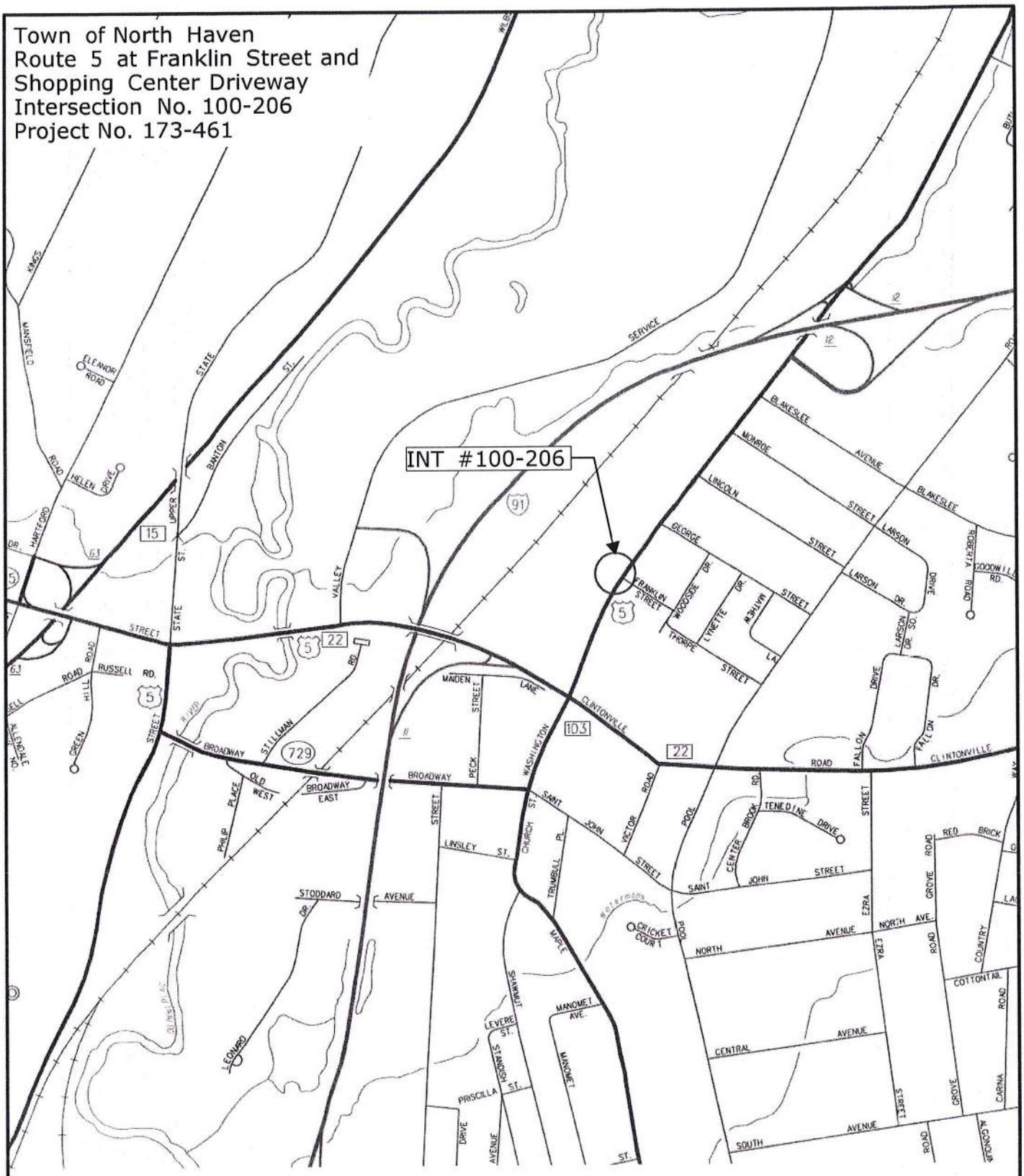


NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING

PROJECT NO. 173-461
CITY OF MILFORD
ROUTE 1 AT I-95 EXIT 34 RAMPS
INTERSECTION NO. 083-216

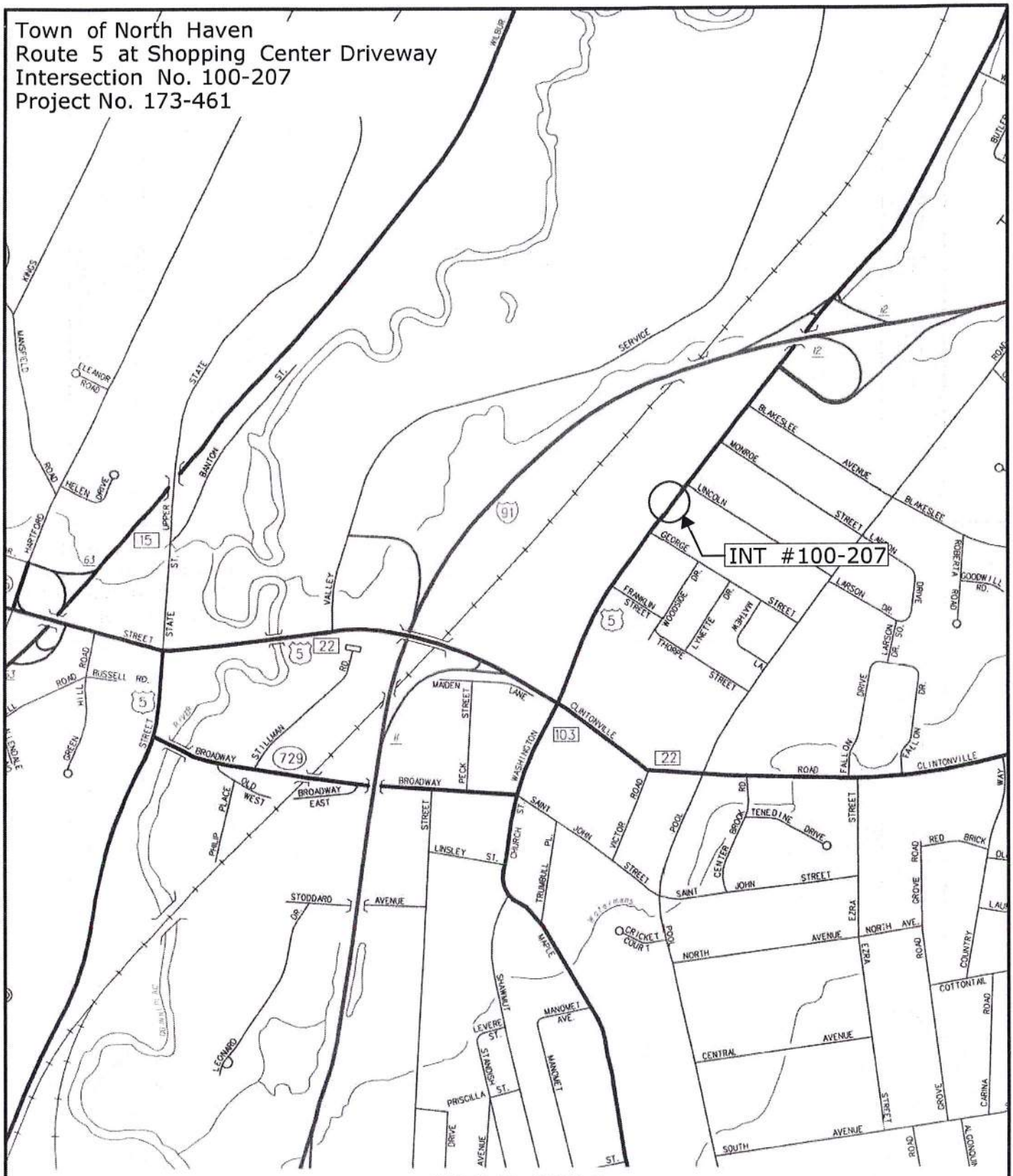
Town of North Haven
Route 5 at Franklin Street and
Shopping Center Driveway
Intersection No. 100-206
Project No. 173-461



NOT TO SCALE

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION DIVISION OF TRAFFIC ENGINEERING
PROJECT NO. 173-461 TOWN OF NORTH HAVEN ROUTE 5 AT FRANKLIN STREET AND SC DRIVEWAY INTERSECTION NO. 100-206

Town of North Haven
Route 5 at Shopping Center Driveway
Intersection No. 100-207
Project No. 173-461

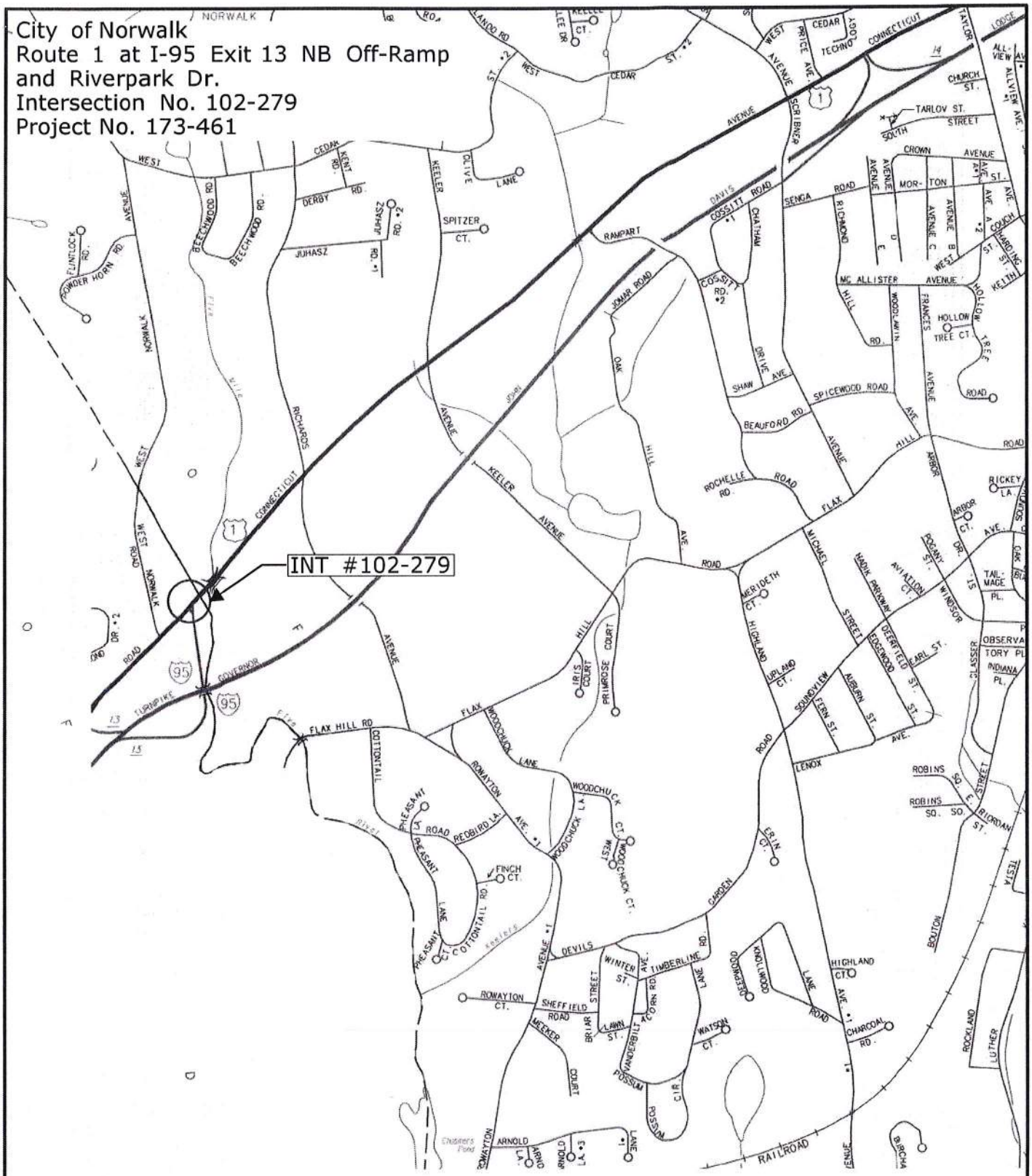


NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING

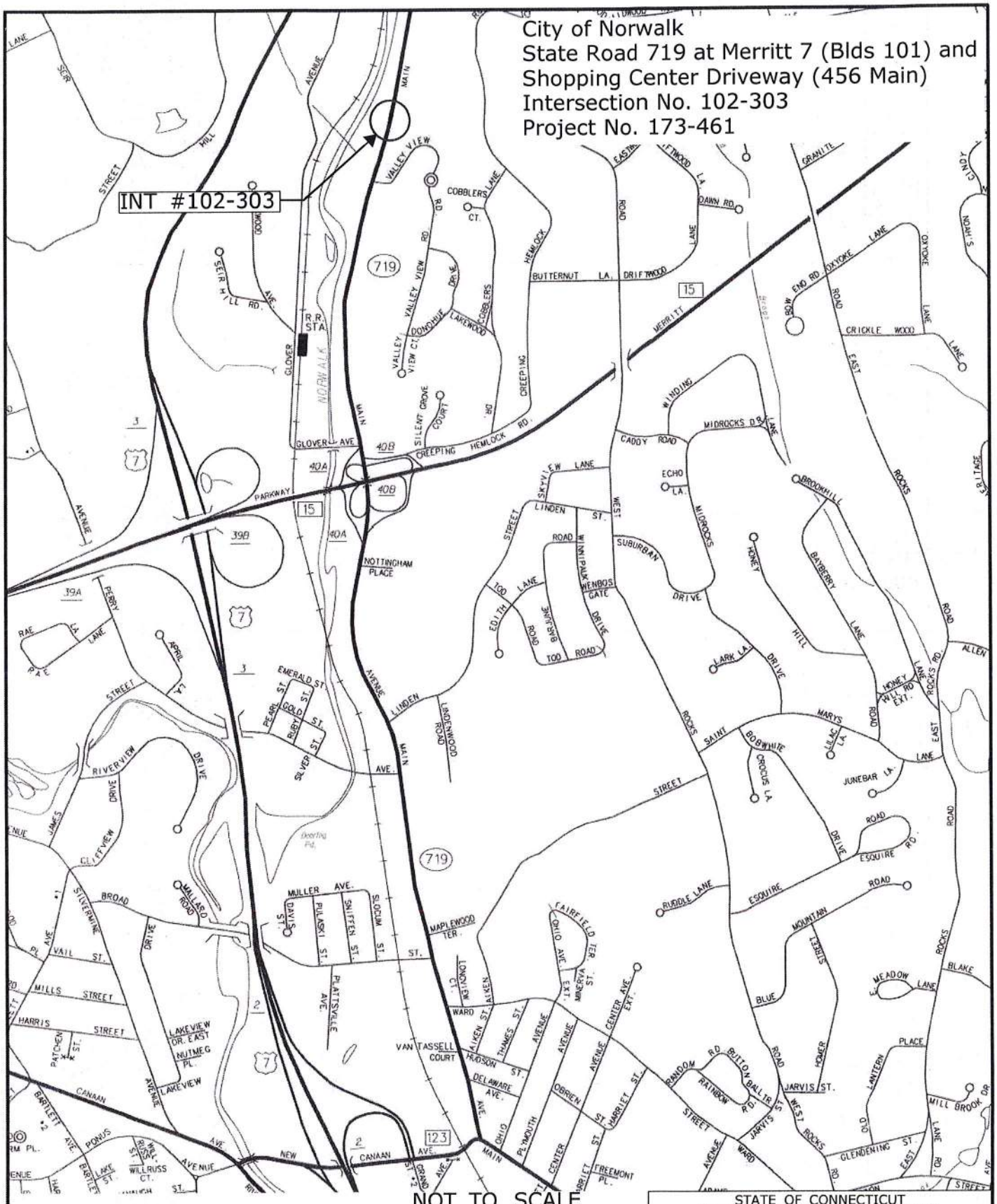
PROJECT NO. 173-461
TOWN OF NORTH HAVEN
ROUTE 5 AT NORTH HAVEN SC
INTERSECTION NO. 100-207

City of Norwalk
Route 1 at I-95 Exit 13 NB Off-Ramp
and Riverpark Dr.
Intersection No. 102-279
Project No. 173-461

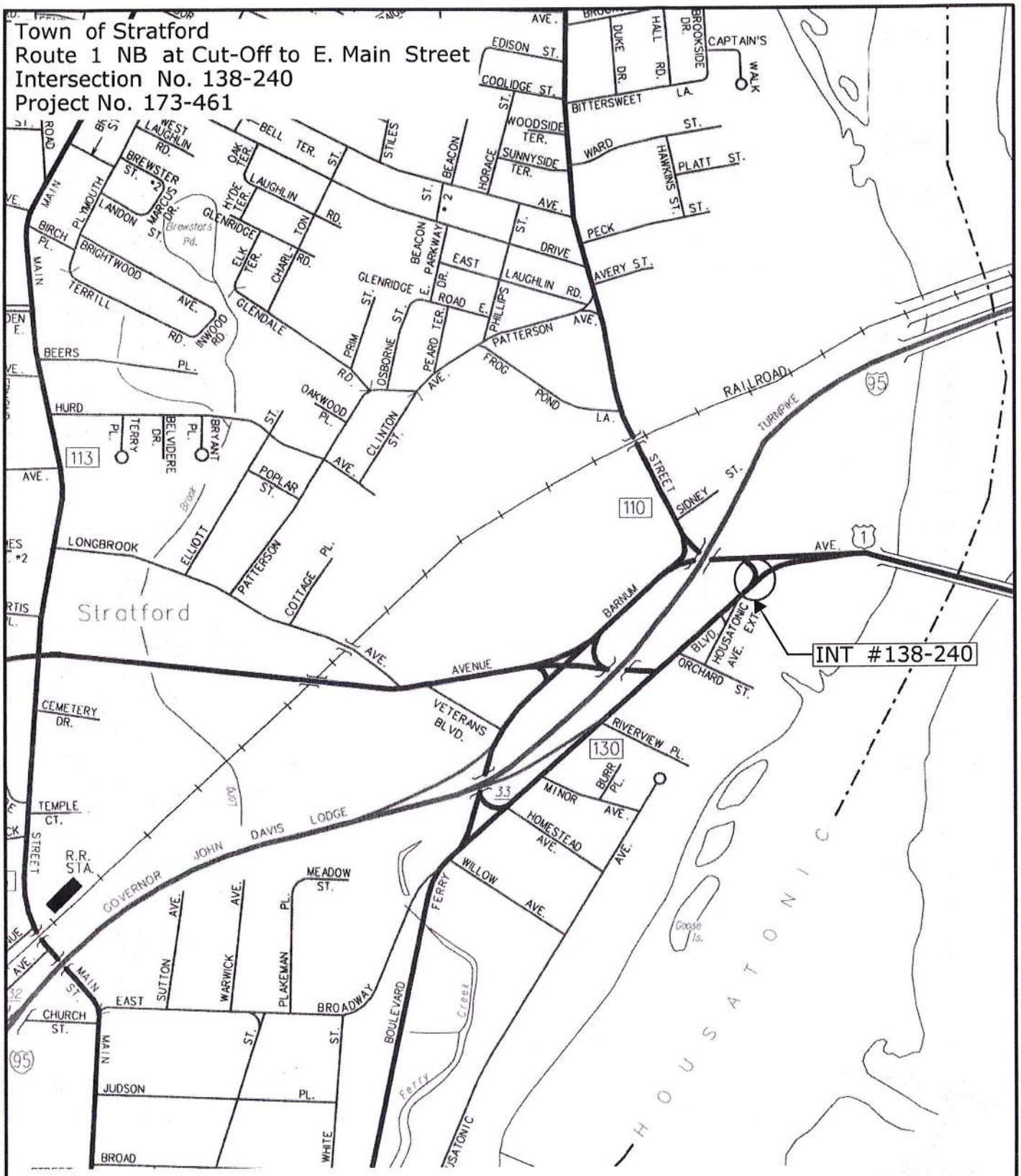


NOT TO SCALE

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION DIVISION OF TRAFFIC ENGINEERING
PROJECT NO. 173-461 CITY OF NORWALK ROUTE 1 AT I-95 EXIT 13 NB OFF-RAMP AND RIVER PARK DRIVE INTERSECTION NO. 102-279


City of Norwalk
State Road 719 at Merritt 7 (Blds 101) and
Shopping Center Driveway (456 Main)
Intersection No. 102-303
Project No. 173-461
INT #102-303
NOT TO SCALE
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING
PROJECT NO. 173-461
CITY OF NORWALK
STATE ROAD 719 AT MERRITT 7 AND
SC DRIVE
INTERSECTION NO. 102-303

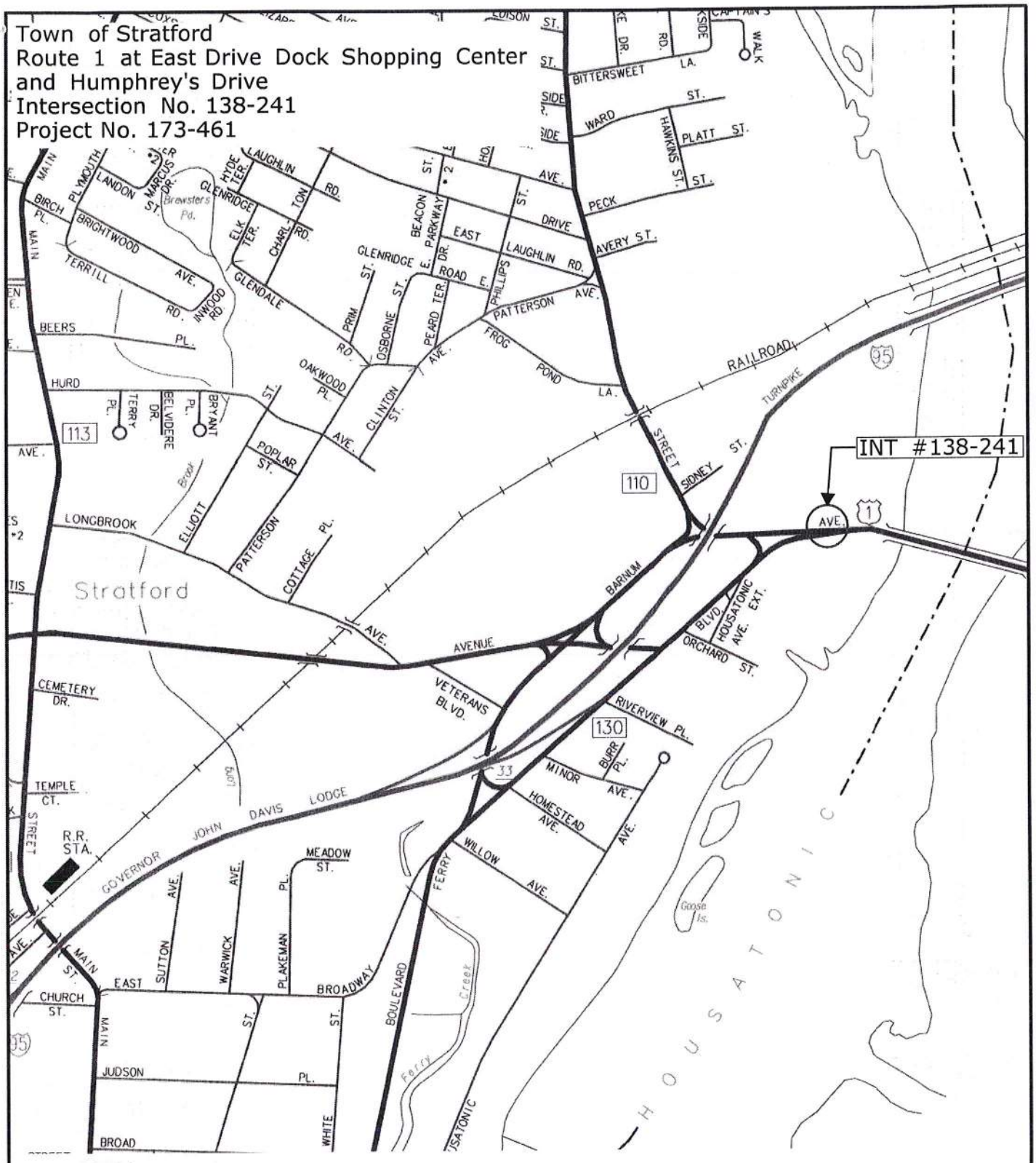
Town of Stratford
Route 1 NB at Cut-Off to E. Main Street
Intersection No. 138-240
Project No. 173-461



NOT TO SCALE

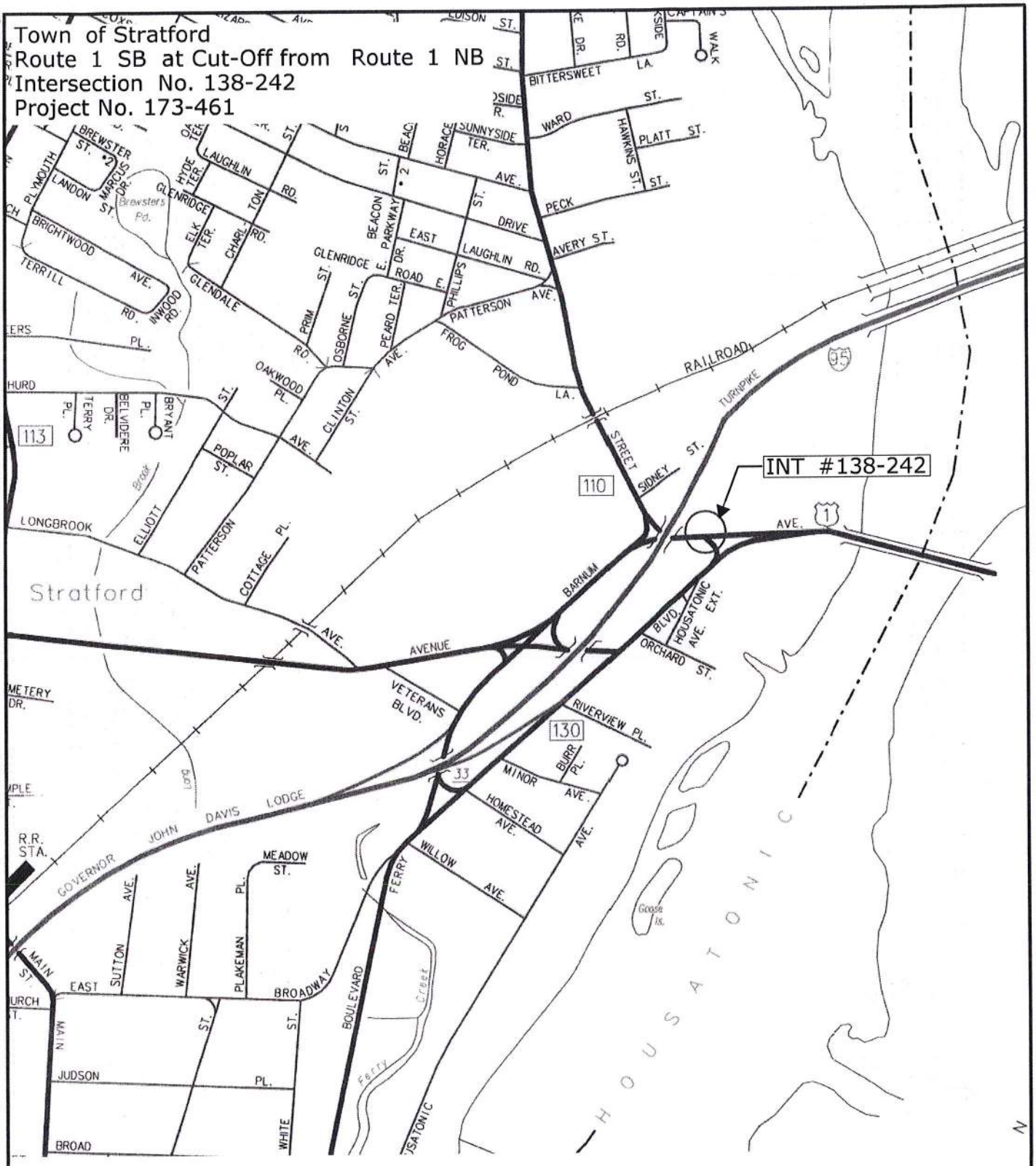
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION DIVISION OF TRAFFIC ENGINEERING
PROJECT NO. 173-461 TOWN OF STRATFORD ROUTE 1 NB AT CUT-OFF TO E. MAIN STREET (PED SIGNAL) INTERSECTION NO. 138-240

Town of Stratford
Route 1 at East Drive Dock Shopping Center and Humphrey's Drive
Intersection No. 138-241
Project No. 173-461



NOT TO SCALE

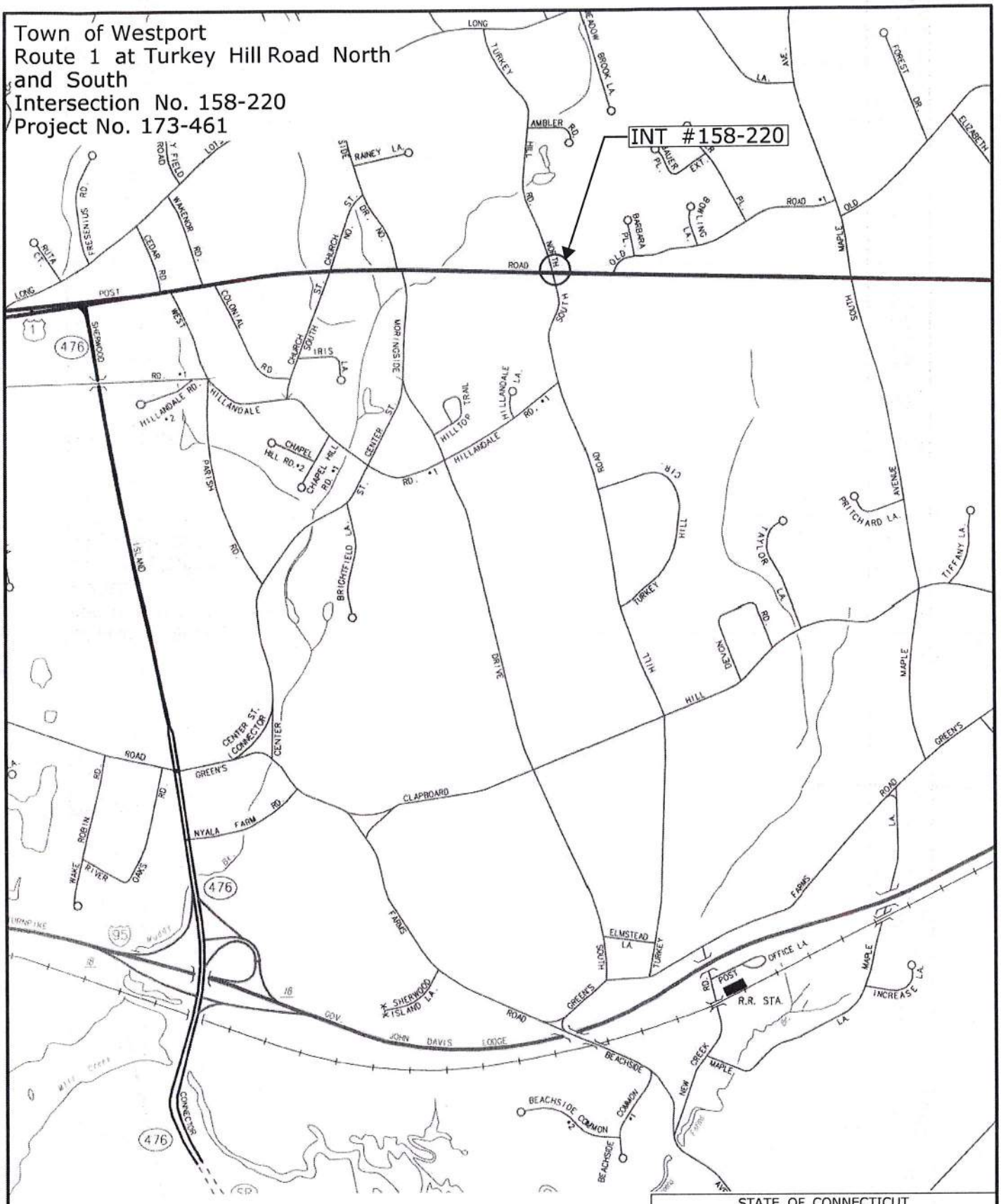
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION DIVISION OF TRAFFIC ENGINEERING
PROJECT NO. 173-461 TOWN OF STRATFORD ROUTE 1 AT EAST DRIVE DOCK SC AND HUMPHREY'S DRIVE INTERSECTION NO. 138-241



NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING

PROJECT NO. 173-461
TOWN OF STRATFORD
ROUTE 1 SB AT CUT-OFF FROM ROUTE 1 NB
INTERSECTION NO. 138-242



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING

PROJECT NO. 173-461
TOWN OF NORTH HAVEN
ROUTE 1 AT TURKEY HILL ROAD NORTH AND SOUTH
INTERSECTION NO. 158-220