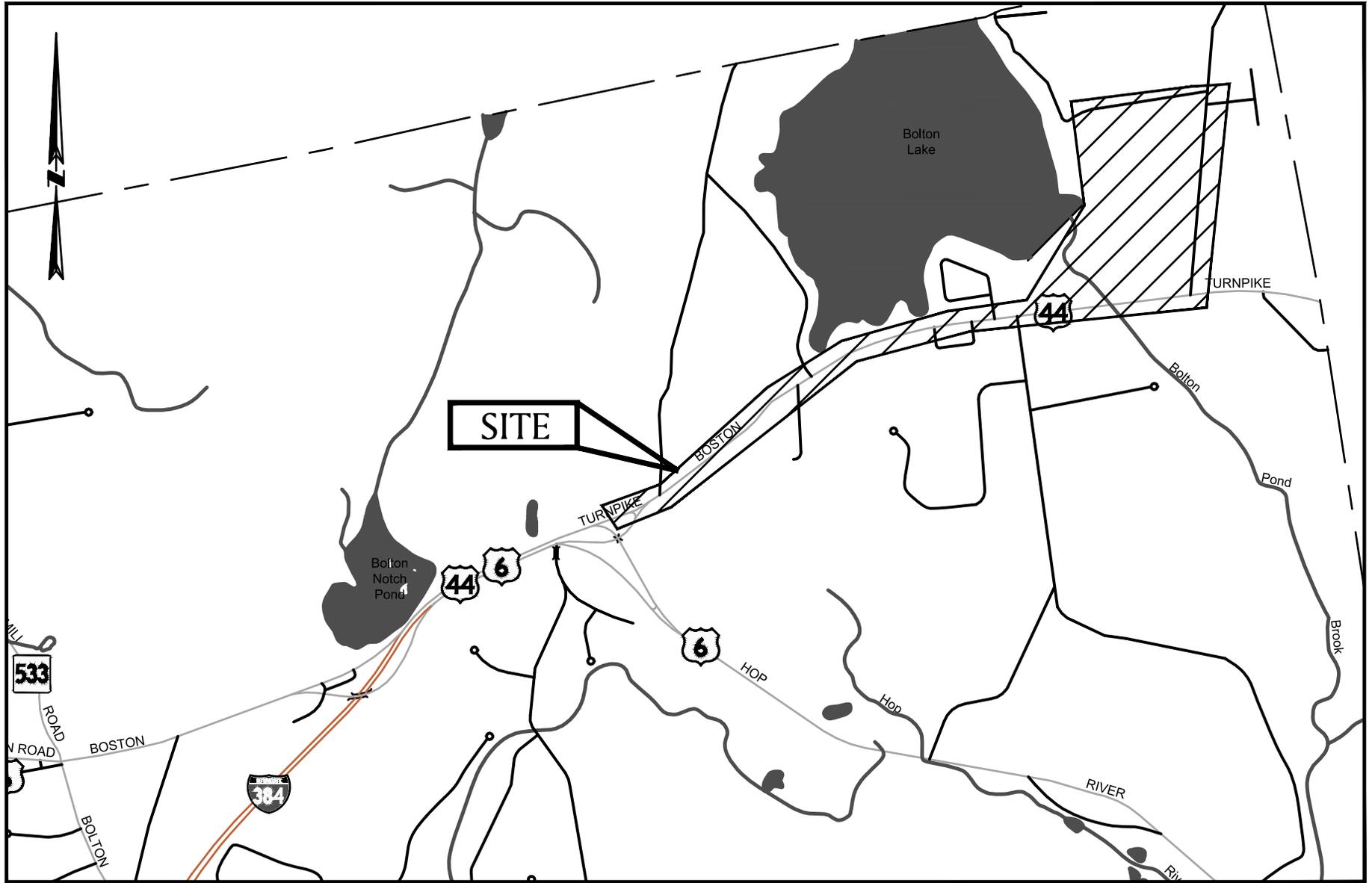
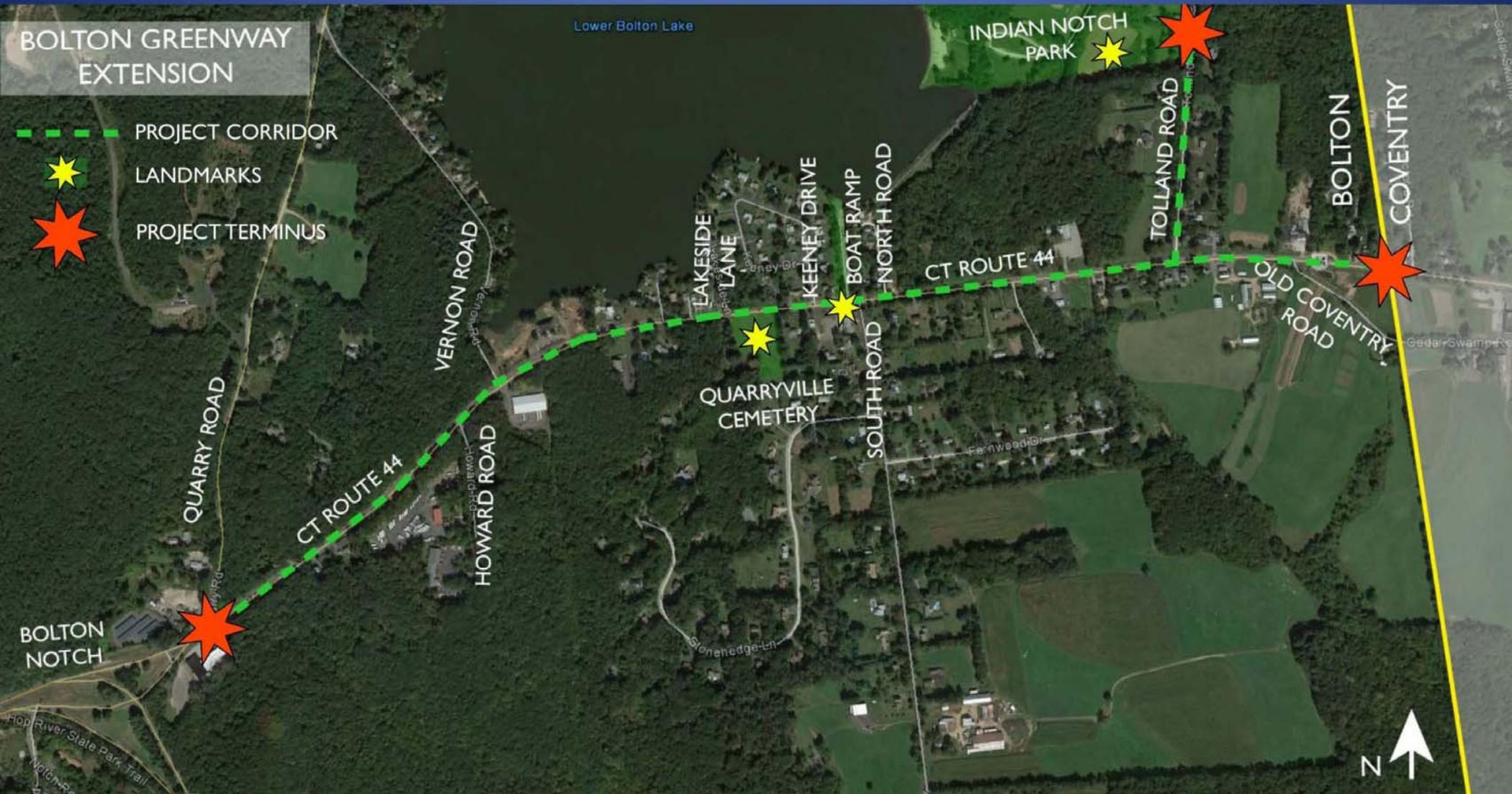


FIGURES



LOCUS MAP

Study Area: BOLTON GREENWAY EXTENSION



APPENDICES

APPENDIX A
DEEP MAPPING

Natural Diversity Data Base Areas

BOLTON, CT

June 2014

-  State and Federal Listed Species & Significant Natural Communities
-  Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

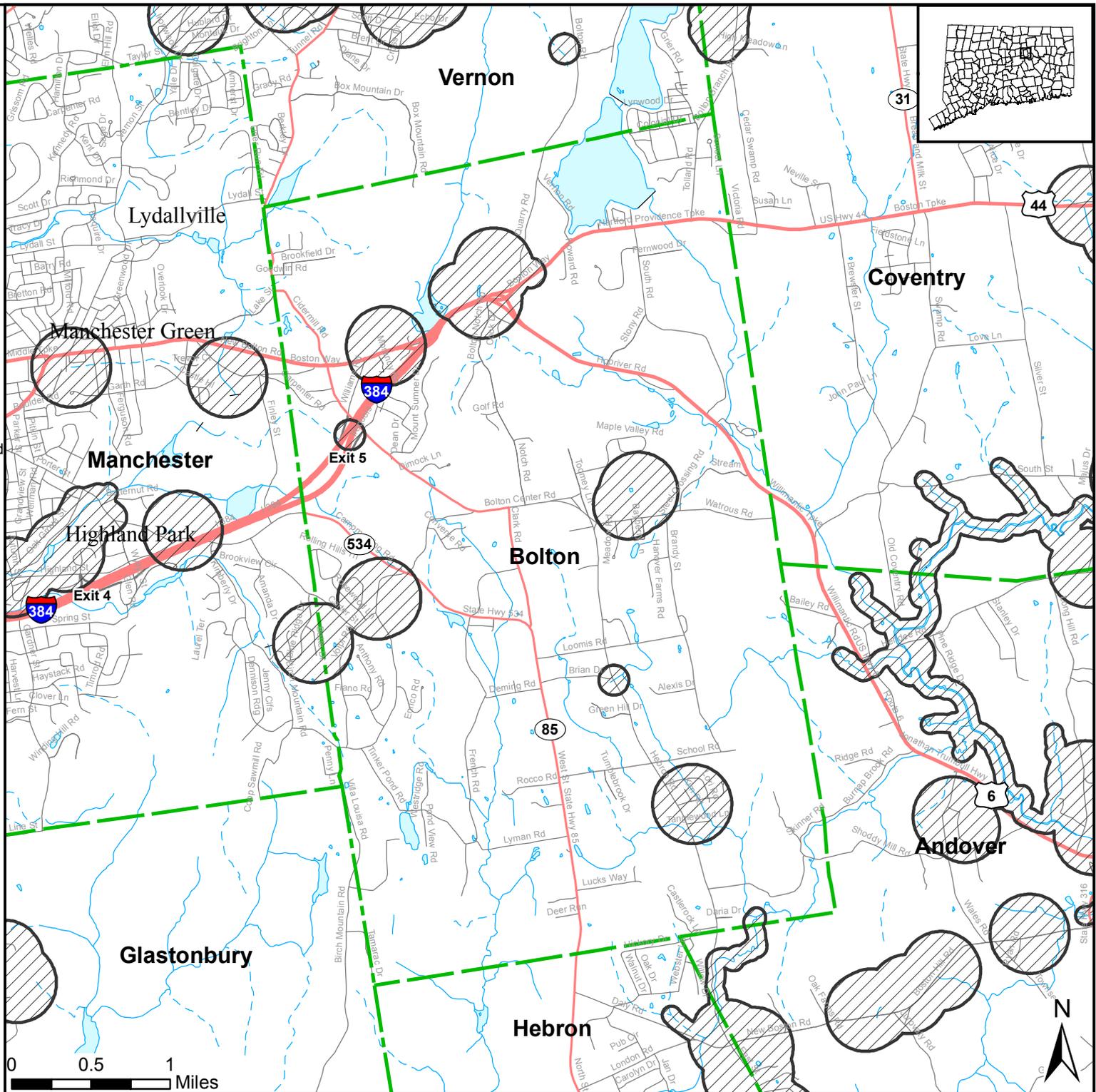
www.ct.gov/deep/nddbrequest

This file has PDF Layers. Look for the Layers tab on the left. Expand the layers and use the "eye" icons to change visibility.

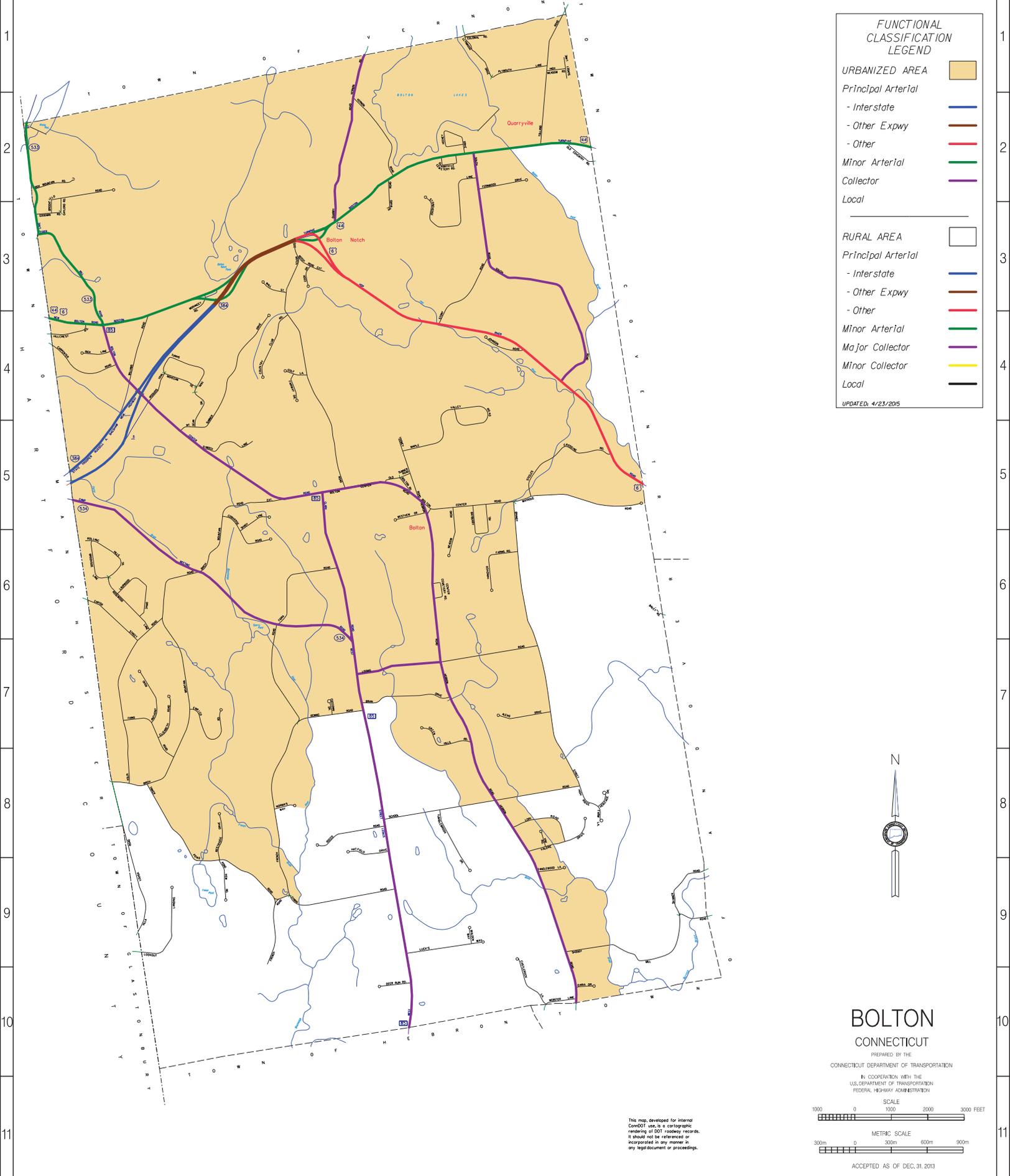
QUESTIONS: Department of Energy and Environmental Protection (DEEP)
79 Elm St., Hartford CT 06106
Phone (860) 424-3011



Connecticut Department of
Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division



APPENDIX B
EXISTING CONDITIONS ASSESSMENT



FUNCTIONAL CLASSIFICATION LEGEND

URBANIZED AREA

Principal Arterial

- Interstate
- Other Expwy
- Other

Minor Arterial

Collector

Local

RURAL AREA

Principal Arterial

- Interstate
- Other Expwy
- Other

Minor Arterial

Major Collector

Minor Collector

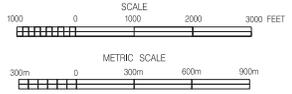
Local

UPDATED: 4/23/2015



BOLTON
CONNECTICUT

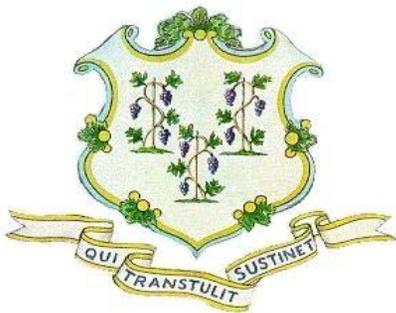
PREPARED BY THE
CONNECTICUT DEPARTMENT OF TRANSPORTATION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



This map, developed for internal ComDOT use, is a cartographic rendering of DOT roadway records. It should not be referenced or incorporated in any manner in any legal document or proceedings.

ACCEPTED AS OF DEC. 31, 2013

State of Connecticut Department of Transportation



2013 Traffic Volumes State Maintained Highway Network (Traffic Log)

Prepared By
Division of Systems Information, Bureau of Policy and Planning
In Cooperation with U.S. Department of Transportation – Federal Highway Administration

ROUTE - 044
 LOGGED DIRECTION / E

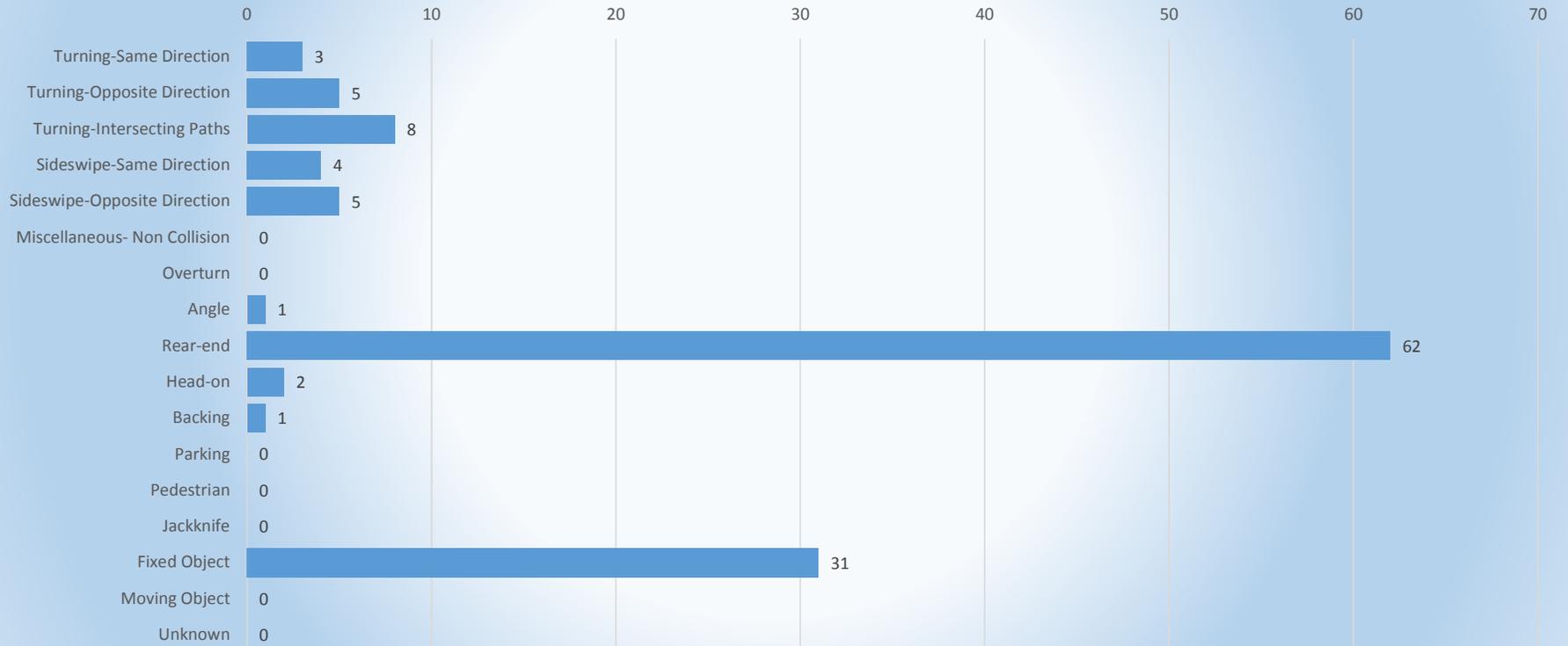
NEW YORK SL (SALISBURY) TO RHODE ISLAND SL (PUTNAM)

FROM *****	Beg Cum Miles	Exit No	TO *****	End Cum Miles	Exit No	Section Length	2013 ADT
SCARBOROUGH ST(NB)	51.33		MARK TWAIN DR(DE)	51.41		0.08	19800
MARK TWAIN DR(DE)	51.41		HOMESTEAD AVE	51.62		0.21	18400
HOMESTEAD AVE	51.62		RTE 187(BLUE HILLS AVE)	51.90		0.28	11300
RTE 187(BLUE HILLS AVE)	51.90		WILLIAMS ST	52.81		0.91	14700
WILLIAMS ST	52.81		EDWARDS ST	52.91		0.10	13800
EDWARDS ST	52.91		MAIN ST #1(SB)	53.18		0.27	13100
MAIN ST #1(SB)	53.18		MAIN ST #2	53.52		0.34	16800
MAIN ST #2	53.52		EB-MARKET ST	53.63		0.11	20700
EB-MARKET ST	53.63		EB-COLUMBUS BLVD	53.72		0.09	21800
EB-COLUMBUS BLVD	53.72		BGN OVLP I-84	53.80		0.08	21800
BGN OVLP I-84	53.80		HARTFORD - EAST HARTFORD TL	53.92		0.12	OVLP
HARTFORD - EAST HARTFORD TL	53.92		END OVLP I-84/BGN RMP SRV AS ML	54.03		0.11	OVLP
END OVLP I-84/BGN RMP SRV AS ML	54.03		EB EXIT TO EAST RIVER DR(001)	54.10	-	0.07	9000
EB EXIT TO EAST RIVER DR(001)	54.10	-	SR 907/END RAMP SERVING AS MAINLINE	54.27		0.17	5600
SR 907/END RAMP SERVING AS MAINLINE	54.27		EAST RIVER DR	54.38		0.11	13200
EAST RIVER DR	54.38		BGN OVLP US 5	55.05		0.67	10000
BGN OVLP US 5	55.05		END OVLP US 5	55.41		0.36	OVLP
END OVLP US 5	55.41		ELM ST	55.55		0.14	10800
ELM ST	55.55		TOLLAND ST	55.77		0.22	11700
TOLLAND ST	55.77		HILLSIDE ST	56.53		0.76	7200
HILLSIDE ST	56.53		SCOTLAND RD	57.20		0.67	12000
SCOTLAND RD	57.20		LONG HILL DR	57.79		0.59	9700
LONG HILL DR	57.79		WALNUT ST	58.05		0.26	11200
WALNUT ST	58.05		EAST HARTFORD - MANCHESTER TL	58.67		0.62	11900
EAST HARTFORD - MANCHESTER TL	58.67		EXIT FR WB I-84(301)	59.05		0.38	11900
EXIT FR WB I-84(301)	59.05		ACC TO EB I-84(303)/BGN OVLP US 6	59.33		0.28	15100
ACC TO EB I-84(303)/BGN OVLP US 6	59.33		MANCHESTER - BOLTON TL	64.82		5.49	OVLP
MANCHESTER - BOLTON TL	64.82		END OVLP US 6	66.23		1.41	OVLP
END OVLP US 6	66.23		QUARRY RD	66.50		0.27	17000
QUARRY RD	66.50		VERNON RD	66.92		0.42	15200
VERNON RD	66.92		TOLLAND RD	67.71		0.79	16800
TOLLAND RD	67.71		OLD COVENTRY RD	67.83		0.12	14000
OLD COVENTRY RD	67.83		BOLTON - COVENTRY TL	67.93		0.10	13300
BOLTON - COVENTRY TL	67.93		CEDAR SWAMP RD	68.12		0.19	13300

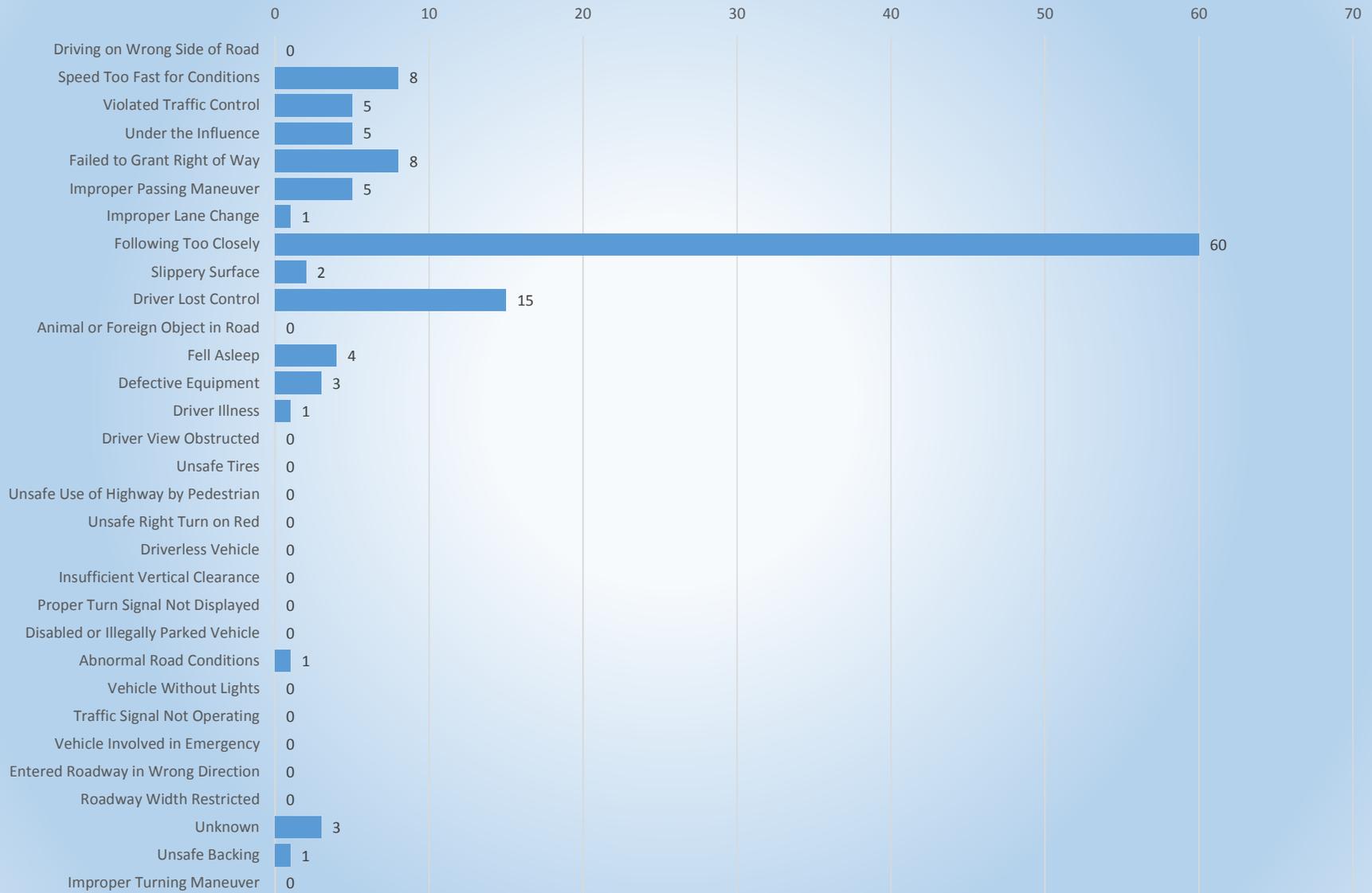
Bolton - Greenway Extension

Crash Data - 2010-2015

Crash Type Summary



Bolton - Greenway Extension
Crash Data - 2010-2015
Contributing Factor Summary

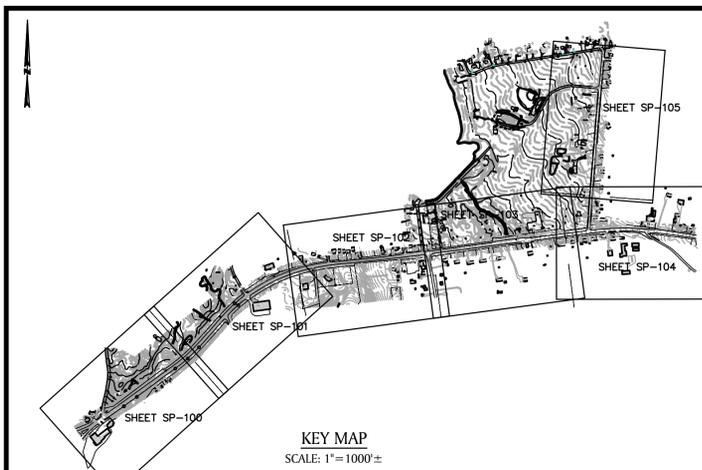


Project 83570.00 Bolton Greenway Extension
Accident Data - 2010 to 2015

Crash ID	DOT Case Number	Date Of Crash	Time Of Crash	Severity Text Format	Town Text Format	At or Between Intersections Text Format	Name of Road that Crash Occurred On	Alpha Description of Crash Location	Collision Type Text Format	Weather Condition Text Format	Road Surface Condition Text Format	Light Condition Text Format	Contributing Factor Text Format
1	2913963	870349	7/12/2012	15:23:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	976 RT 44 1 Tenth E of Vernon R	Head-on	No Adverse Condition	Dry	Daylight	Driver Lost Control
2	3095789	179542	4/11/2014	19:38:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	25 tenths West of SOUTH RD	Turning-Opposite Direction	Rain	Wet	Dark-Not Lighted	Failed to Grant Right of Way
3	3080451	163301	3/31/2014	18:28:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at WB-US 6(HOP RIVER RD)	Fixed Object	No Adverse Condition	Dry	Daylight	Under the Influence
4	3101001	185108	5/25/2014	23:36:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at EB-US 6(HOP RIVER RD)	Fixed Object	No Adverse Condition	Dry	Dark-Lighted	Driver Lost Control
5	2848353	802463	10/25/2011	1:50:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet E of EB-US 6(HOP RIVER R	Fixed Object	Rain	Wet	Dark-Lighted	Speed Too Fast for Conditions
6	3070030	152303	2/23/2014	2:43:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	200 feet East of (US 44 - BOSTON	Rear-end	No Adverse Condition	Dry	Dark-Not Lighted	Following Too Closely
7	2912237	868537	6/18/2012	4:40:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet West of QUARRY RD	Rear-end	No Adverse Condition	Dry	Dawn	Following Too Closely
8	3129589	215321	9/23/2014	8:50:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet West of QUARRY RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
9	3007348	82712	9/7/2013	9:33:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	50 feet West of QUARRY RD	Turning-Intersecting Paths	No Adverse Condition	Dry	Daylight	Violated Traffic Control
10	3084011	167044	3/30/2014	16:49:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at EXIT FR ENGLAND HARDWARE SC	Turning-Opposite Direction	Rain	Wet	Daylight	Failed to Grant Right of Way
11	2760534	709583	10/11/2010	12:23:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
12	2828623	781614	7/1/2011	20:37:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Turning-Opposite Direction	No Adverse Condition	Dry	Dark-Lighted	Failed to Grant Right of Way
13	2836491	789862	8/2/2011	13:46:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Turning-Intersecting Paths	No Adverse Condition	Dry	Daylight	Violated Traffic Control
14	2977995	51003	3/16/2013	12:35:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Turning-Intersecting Paths	No Adverse Condition	Dry	Daylight	Violated Traffic Control
15	2999993	74610	8/20/2013	10:26:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Sideswipe-Same Direction	No Adverse Condition	Dry	Daylight	Driver Illness
16	3008875	84312	9/25/2013	16:39:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
17	3009477	84965	9/13/2013	6:56:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Rear-end	No Adverse Condition	Wet	Daylight	Following Too Closely
18	3016126	91952	10/18/2013	16:12:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
19	3114142	198830	7/24/2014	12:37:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at QUARRY RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
20	3130970	216776	10/15/2014	9:25:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	50 feet East of QUARRY RD	Fixed Object	No Adverse Condition	Dry	Daylight	Fell Asleep
21	2749796	698626	8/23/2010	11:07:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet E of QUARRY RD	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
22	2831039	784172	7/12/2011	19:26:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	200 feet E of QUARRY RD	Sideswipe-Same Direction	No Adverse Condition	Dry	Daylight	Improper Lane Change
23	2890318	845677	3/12/2012	17:27:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	200 feet East of QUARRY RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
24	3007444	82811	9/23/2013	7:35:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	300 feet East of QUARRY RD	Fixed Object	No Adverse Condition	Dry	Daylight	Fell Asleep
25	3007963	83361	9/17/2013	11:03:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	100 meters East of QUARRY RD	Sideswipe-Opposite Direction	No Adverse Condition	Dry	Daylight	Driver Lost Control
26	2824085	776770	5/26/2011	14:47:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	1 tenths E of QUARRY RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
27	2998875	73425	7/28/2013	14:56:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	1 tenths East of QUARRY RD	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
28	3065871	145927	2/3/2014	15:09:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	400 feet West of HOWARD RD(DE)	Fixed Object	Snow	Snow/Slush	Daylight	Speed Too Fast for Conditions
29	2792263	770651	12/20/2010	16:28:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	200 feet W of HOWARD RD(DE)	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
30	2826872	779677	6/9/2011	7:40:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet W of HOWARD RD(DE)	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
31	2952786	18212	12/7/2012	13:38:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet West of HOWARD RD(DE)	Fixed Object	Rain	Wet	Daylight	Fell Asleep
32	2749605	698434	8/18/2010	6:54:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at HOWARD RD(DE)	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
33	2789799	767880	10/29/2010	14:51:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at HOWARD RD(DE)	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
34	2826796	779596	6/7/2011	15:48:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at HOWARD RD(DE)	Sideswipe-Opposite Direction	No Adverse Condition	Dry	Daylight	Under the Influence
35	2875370	829907	1/19/2012	21:31:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at HOWARD RD(DE)	Fixed Object	Snow	Snow/Slush	Dark-Lighted	Speed Too Fast for Conditions
36	3080321	163171	3/29/2014	23:47:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at HOWARD RD(DE)	Fixed Object	Rain	Wet	Dark-Not Lighted	Speed Too Fast for Conditions
37	3107371	191684	6/24/2014	8:53:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	300 feet West of VERNON RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
38	3085025	168129	4/28/2014	0:13:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	4 tenths East of QUARRY RD	Fixed Object	No Adverse Condition	Dry	Dark-Lighted	Under the Influence
39	2749586	698415	8/17/2010	14:41:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at VERNON RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
40	2750404	699266	8/31/2010	8:52:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at VERNON RD	Sideswipe-Opposite Direction	No Adverse Condition	Dry	Daylight	Improper Passing Maneuver
41	2958426	24740	12/25/2012	20:01:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at VERNON RD	Fixed Object	No Adverse Condition	Dry	Dark-Not Lighted	Driver Lost Control
42	3062890	120548	1/7/2014	8:48:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at VERNON RD	Angle	No Adverse Condition	Snow/Slush	Daylight	Speed Too Fast for Conditions
43	2716089	664524	4/12/2010	17:46:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	1 tenths E of HOWARD RD(DE)	Sideswipe-Same Direction	No Adverse Condition	Dry	Daylight	Improper Passing Maneuver
44	2739975	688688	7/6/2010	9:26:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	1 tenths E of HOWARD RD(DE)	Fixed Object	No Adverse Condition	Dry	Daylight	Defective Equipment
45	2826740	779536	6/5/2011	20:12:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	1 tenths E of HOWARD RD(DE)	Fixed Object	No Adverse Condition	Dry	Dark-Not Lighted	Driver Lost Control
46	2792214	770599	12/18/2010	16:52:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	At #970 Boston Tpk	Fixed Object	No Adverse Condition	Dry	Dark-Lighted	Unknown
47	2816630	764880	3/17/2011	14:12:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	1 tenths E of VERNON RD	Turning-Same Direction	No Adverse Condition	Dry	Daylight	Improper Passing Maneuver
48	2892666	848152	4/20/2012	0:36:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at LAKESIDE CIR(PVT)(E-1)	Fixed Object	No Adverse Condition	Dry	Dark-Not Lighted	Driver Lost Control
49	2846646	800572	10/3/2011	17:13:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at LAKESIDE CIR(PVT)(E-1)	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
50	2753516	702490	9/28/2010	8:12:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	50 feet E of LAKESIDE CIR(PVT)(E-	Rear-end	No Adverse Condition	Wet	Daylight	Following Too Closely
51	3121863	207177	8/27/2014	6:42:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	500 feet West of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
52	3133383	219339	10/20/2014	7:08:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	1 tenths West of SOUTH RD	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
53	2759974	708997	10/7/2010	8:25:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet W of KEENEY DR	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
54	2748614	697408	8/6/2010	15:59:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	20 feet W of KEENEY DR	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
55	2760844	709902	10/19/2010	8:11:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at KEENEY DR	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
56	2821423	773909	4/21/2011	18:21:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at KEENEY DR	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
57	2838374	791939	9/1/2011	13:29:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at KEENEY DR	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
58	2878290	833197	2/29/2012	16:59:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at KEENEY DR	Head-on	Snow	Snow/Slush	Daylight	Slippery Surface
59	3000089	74708	8/23/2013	21:12:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at KEENEY DR	Rear-end	No Adverse Condition	Dry	Dark-Lighted	Unknown
60	3030919	109582	12/6/2013	15:46:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at KEENEY DR	Rear-end	Rain	Wet	Daylight	Following Too Closely
61	3084293	167332	4/10/2014	17:44:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	150 feet West of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
62	2842921	796653	9/16/2011	17:26:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	100 feet W of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
63	2691776	633177	1/7/2010	9:25:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	No Adverse Condition	Wet	Daylight	Following Too Closely
64	2700873	649100	2/17/2010	8:08:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Turning-Intersecting Paths	No Adverse Condition	Dry	Daylight	Violated Traffic Control
65	2724558	673093	5/18/2010	13:13:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	Rain	Wet	Daylight	Following Too Closely
66	2749634	698463	8/19/2010	10:45:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Turning-Intersecting Paths	No Adverse Condition	Dry	Daylight	Failed to Grant Right of Way
67	2752454	701353	9/14/2010	20:18:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Fixed Object	No Adverse Condition	Dry	Dark-Lighted	Driver Lost Control
68	2759986	709009	10/7/2010	15:50:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
69	2789836	767918	10/30/2010	13:36:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
70	2827704	780614	6/11/2011	5:03:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Turning-Same Direction	Rain	Wet	Dark-Lighted	Improper Passing Maneuver
71	2836170	789498	8/3/2011	9:45:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
72	2847172	801160	10/13/2011	16:39:00	Injury (No fatality)	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
73	2847643	801668	10/23/2011	12:59:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
74	2874911	829440	1/10/2012	16:22:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
75	2902158	857983	5/22/2012	14:06:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	Rain	Wet	Daylight	Following Too Closely
76	2912431	868735	6/22/2012	16:56:00	Property Damage Only	Bolton	U.S. ROUTE (US route 044	at SOUTH RD	Rear-end	Rain	Wet	Daylight	Following Too Closely

Project 83570.00 Bolton Greenway Extension
Accident Data - 2010 to 2015

83	2849184	803378	10/31/2011	16:34:00	Injury (No fatality)	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	40 feet E of SOUTH RD	Fixed Object	Snow	Snow/Slush	Daylight	Speed Too Fast for Conditions
84	2925839	883331	8/26/2012	15:22:00	Injury (No fatality)	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	50 feet East of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
85	2875372	829909	1/19/2012	22:11:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	50 feet West of NORTH RD(PVT)(DE)	Fixed Object	Snow	Snow/Slush	Dark-Lighted	Speed Too Fast for Conditions
86	2949095	14166	10/24/2012	17:51:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	150 feet East of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
87	2985105	58695	5/16/2013	7:34:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	200 feet East of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
88	3158138	259379	12/9/2014	16:30:00	Injury (No fatality)	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	200 feet East of SOUTH RD	Rear-end	Rain	Wet	Dark-Lighted	Following Too Closely
89	3084288	167327	4/10/2014	17:06:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	300 feet East of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
90	2794321	741231	1/29/2011	12:58:00	Injury (No fatality)	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	1 tenths E of SOUTH RD	Turning-Intersecting Paths	No Adverse Condition	Dry	Daylight	Under the Influence
91	2796284	743310	2/15/2011	7:55:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	1 tenths E of SOUTH RD	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
92	2842830	796553	9/13/2011	8:37:00	Injury (No fatality)	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	1 tenths E of SOUTH RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
93	2954402	19875	12/31/2012	16:05:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	1 tenths East of SOUTH RD	Rear-end	No Adverse Condition	Wet	Daylight	Following Too Closely
94	2787374	739262	12/12/2010	17:14:00	Injury (No fatality)	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	670 feet E of NORTH RD(PVT)(E-1)	Turning-Opposite Direction	No Adverse Condition	Wet	Dark-Lighted	Failed to Grant Right of Way
95	2693203	634851	1/28/2010	16:40:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	2 tenths W of TOLLAND RD	Rear-end	Snow	Wet	Daylight	Following Too Closely
96	3134056	220063	10/2/2014	7:40:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	at VALERO GAS STA(CL)	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
97	3031717	111623	12/14/2013	10:20:00	Injury (No fatality)	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	682 feet West of TOLLAND RD	Rear-end	Snow	Snow/Slush	Daylight	Following Too Closely
98	2700098	648289	2/9/2010	17:36:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	1 tenths W of TOLLAND RD	Turning-Same Direction	No Adverse Condition	Dry	Dusk	Following Too Closely
99	2725182	673731	5/27/2010	8:01:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	1 tenths W of TOLLAND RD	Sideswipe-Same Direction	No Adverse Condition	Dry	Daylight	Improper Passing Maneuver
100	2759845	708867	10/4/2010	19:49:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	1 tenths W of TOLLAND RD	Rear-end	No Adverse Condition	Dry	Dark-Lighted	Following Too Closely
101	2831541	784719	7/19/2011	6:36:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	1 tenths W of TOLLAND RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
102	2926601	884178	8/28/2012	9:41:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	340 feet West of TOLLAND RD	Fixed Object	Rain	Wet	Daylight	Abnormal Road Conditions
103	2798113	745294	3/4/2011	13:49:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	100 feet W of TOLLAND RD	Sideswipe-Opposite Direction	No Adverse Condition	Dry	Daylight	Unknown
104	2827591	780474	6/18/2011	17:42:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	40 feet W of TOLLAND RD	Fixed Object	No Adverse Condition	Dry	Daylight	Defective Equipment
105	3062892	120550	1/7/2014	10:16:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	50 feet West of TOLLAND RD	Rear-end	No Adverse Condition	Wet	Daylight	Following Too Closely
106	2693204	634852	1/28/2010	16:48:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Rear-end	No Adverse Condition	Snow/Slush	Dusk	Following Too Closely
107	2749412	698238	8/11/2010	2:33:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Fixed Object	No Adverse Condition	Dry	Dark-Not Lighted	Fell Asleep
108	2783133	734920	11/5/2010	7:45:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Fixed Object	Rain	Wet	Dark-Not Lighted	Violated Traffic Control
109	2816717	764975	4/1/2011	2:04:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Sideswipe-Opposite Direction	Snow	Snow/Slush	Dark-Lighted	Slippery Surface
110	2831894	785112	7/22/2011	11:17:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
111	2831900	785119	7/22/2011	15:09:00	Injury (No fatality)	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Turning-Opposite Direction	No Adverse Condition	Dry	Daylight	Failed to Grant Right of Way
112	2850564	804906	11/18/2011	16:16:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
113	2892777	848264	4/23/2012	8:34:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Rear-end	No Adverse Condition	Wet	Daylight	Following Too Closely
114	2912567	868885	6/2/2012	13:09:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Fixed Object	Rain	Wet	Daylight	Speed Too Fast for Conditions
115	2924646	881615	6/29/2012	17:03:00	Injury (No fatality)	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Turning-Intersecting Paths	No Adverse Condition	Dry	Daylight	Failed to Grant Right of Way
116	2937369	1836	10/3/2012	12:46:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Backing	No Adverse Condition	Dry	Daylight	Unsafe Backing
117	2969639	27837	2/1/2013	13:40:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
118	3009841	85368	8/18/2013	16:59:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Fixed Object	No Adverse Condition	Dry	Daylight	Driver Lost Control
119	3066331	147093	2/10/2014	21:00:00	Property Damage Only	Bolton	Crash occurred AT an intersection	U.S. ROUTE (US route 044	at TOLLAND RD	Rear-end	No Adverse Condition	Dry	Dark-Lighted	Under the Influence
120	2842840	796564	9/13/2011	14:25:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	50 feet E of TOLLAND RD	Rear-end	No Adverse Condition	Dry	Daylight	Defective Equipment
121	2821468	773956	4/23/2011	14:18:00	Injury (No fatality)	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	at CROPLEY'S GARDEN CTR(CL)	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely
122	2793425	740273	1/17/2011	13:58:00	Property Damage Only	Bolton	Crash occurred BETWEEN intersections	U.S. ROUTE (US route 044	?? on rte 44	Rear-end	No Adverse Condition	Dry	Daylight	Following Too Closely



1+00 - Reduced Sight Lines at Beginning



4+00 - Quarry Road Intersection

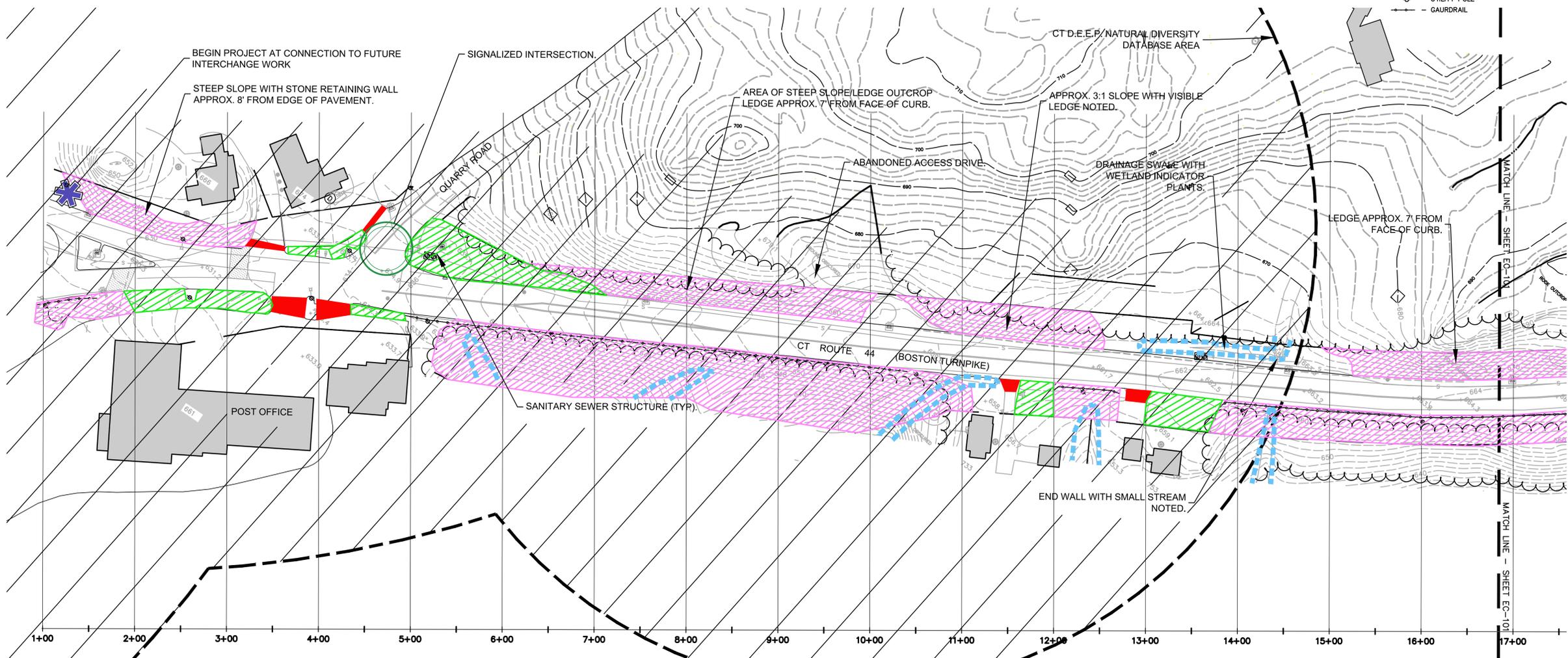


7+00 - Ledge Outcrops



- LEGEND
- TYP - TYPICAL
 - EOP - EDGE OF PAVEMENT
 - PROPERTY LINE
 - DRAINAGE AREA
 - TREE LINE
 - STEEP SLOPE/ROCK OUTCROP
 - STONE WALL
 - NATURAL DIVERSITY DATABASE AREA
 - FAVORABLE AREAS WITHIN R.O.W.
 - ☆ - PROJECT END POINT
 - ★ - POINTS OF INTEREST
 - - SIGNALIZED INTERSECTION
 - - NON-SIGNALIZED INTERSECTION
 - - DRIVEWAY
 - - UTILITY POLE
 - GAURDRAIL

REPRODUCTIONS OF THIS PLAN ARE INVALID UNLESS THEY BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED PROFESSIONAL.



9+00 - Grade Becomes Less Steep



10+00 - Abandoned Access Road



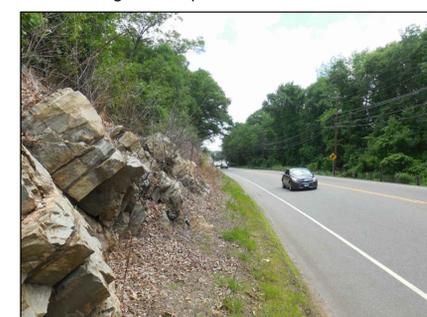
13+00 - Drainage Swale with Wetland Indicator Plants



14+50 - Endwall at End of Drainage Swale



16+00 - Ledge Outcrops



BOLTON GREENWAY EXTENSION

ROUTE 44
IN
BOLTON CONNECTICUT

EXISTING CONDITIONS ANALYSIS

DECEMBER 15, 2014

REVISIONS:

NO.	DATE	DESC.

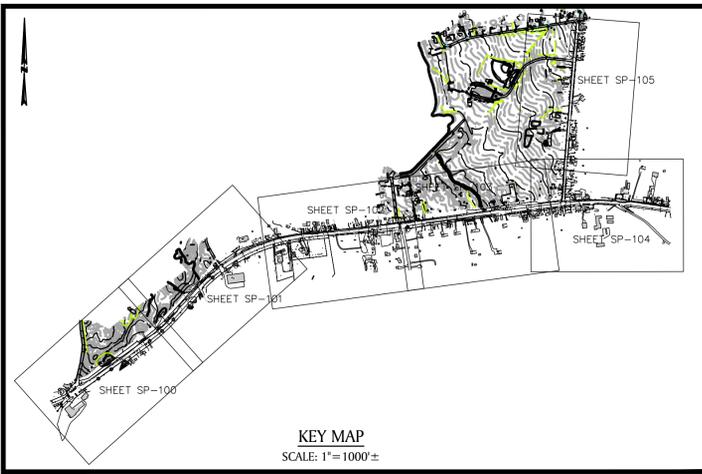
PREPARED FOR:
CONNECTICUT DEPARTMENT OF TRANSPORTATION
2800 BERLIN TURNPIKE
NEWINGTON, CT 06070

BSC GROUP
300 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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SCALE: 1" = 60'
0 30 60 120 FEET

FILE: CIVIL/DRAWINGS/SH.DWG
DWG. NO.:
JOB. NO: 83570.00

EC-100



18+25 - Ledge Outcrops



20+00 - Drainage Area



21+70 - Utility Pole



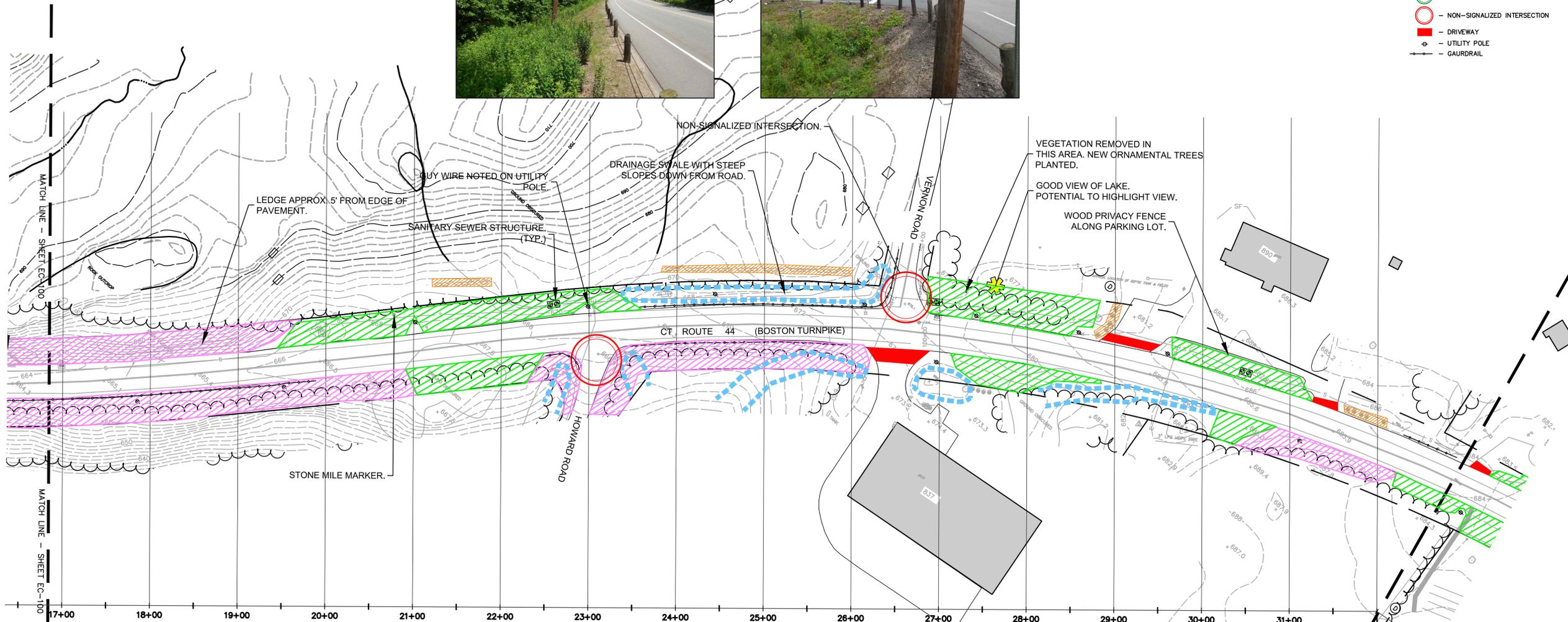
25+00 - Slope Down to Drainage Swale



26+50 - Vernon Road Intersection



- LEGEND
- TYP - TYPICAL
 - EOP - EDGE OF PAVEMENT
 - PROPERTY LINE
 - DRAINAGE AREA
 - TREE LINE
 - STEEP SLOPE/ROCK OUTCROP
 - STONE WALL
 - NATURAL DIVERSITY DATABASE AREA
 - FAVORABLE AREAS WITHIN R.O.W.
 - ✱ - PROJECT END POINT
 - ✱ - POINTS OF INTEREST
 - - SIGNALIZED INTERSECTION
 - - NON-SIGNALIZED INTERSECTION
 - ▭ - DRIVEWAY
 - ⊙ - UTILITY POLE
 - G A U R D R A I L



27+50 - Begin Lake Area



30+00 - Flat Area Adjacent to Road



31+00 - Driveway Crossing with Stone Barrier



32+00 - Slope Down from Road



REPRODUCTIONS OF THIS PLAN ARE INVALID UNLESS THEY BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED PROFESSIONAL.

BOLTON GREENWAY EXTENSION

ROUTE 44
IN
BOLTON CONNECTICUT

EXISTING CONDITIONS ANALYSIS

DECEMBER 15, 2014

REVISIONS:

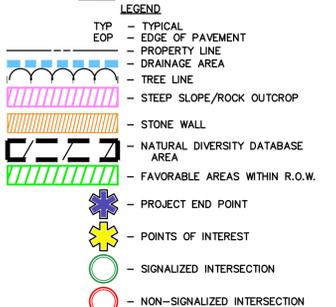
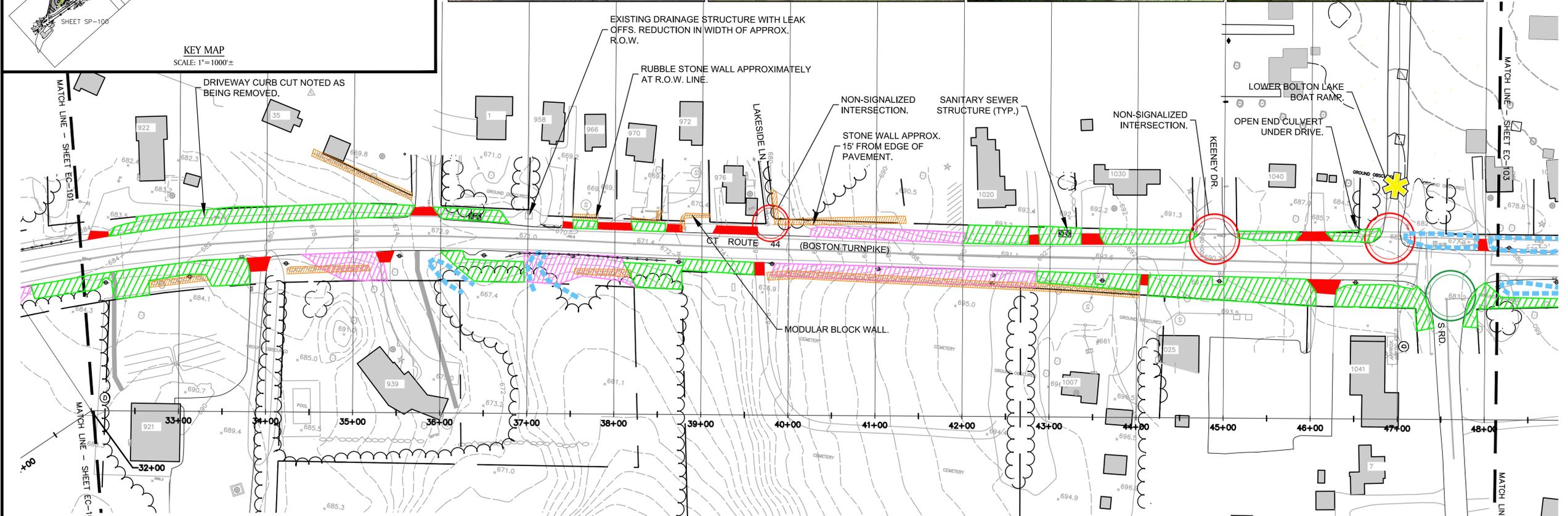
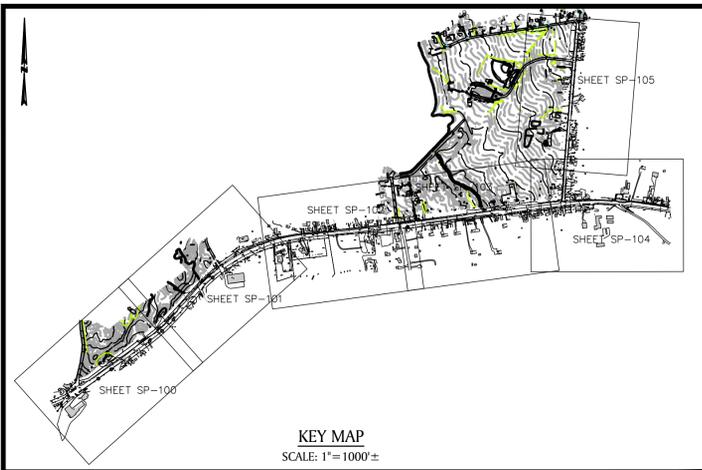
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FILE: CIVIL/DRAWINGS/SH.DWG
DWG. NO:
JOB. NO: 83570.00 **EC-101**



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BOLTON GREENWAY EXTENSION
ROUTE 44
IN
BOLTON CONNECTICUT
EXISTING CONDITIONS ANALYSIS

DECEMBER 15, 2014

REVISIONS:

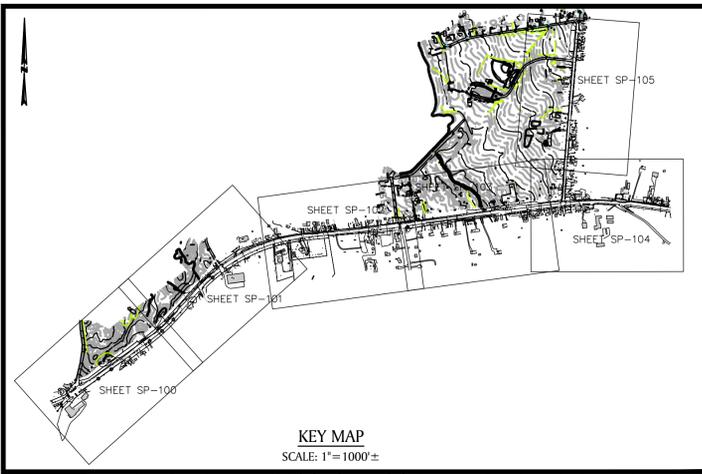
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FILE: CIVIL/DRAWINGS/SH.DWG
DWG. NO.:
JOB. NO.: 83570.00
EC-102



48+00 - Driveway Crossing



49+00 - North Road Intersection

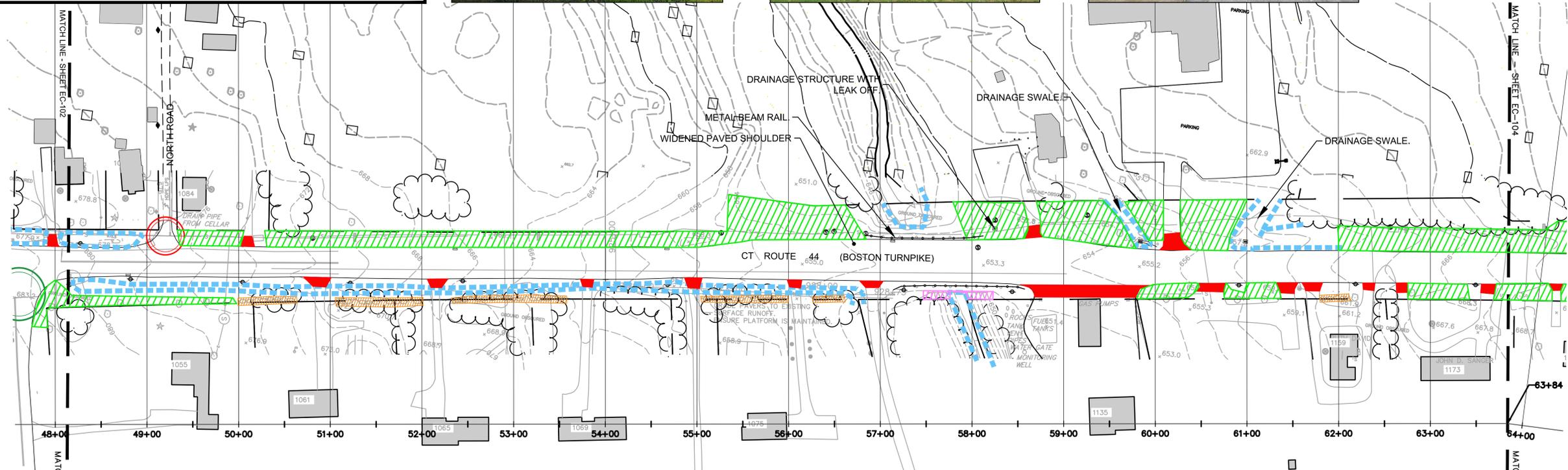


50+00 - Obstacles at Driveway Crossing



- LEGEND**
- TYP - TYPICAL
 - EOP - EDGE OF PAVEMENT
 - PROPERTY LINE
 - DRAINAGE AREA
 - TREE LINE
 - STEEP SLOPE/ROCK OUTCROP
 - STONE WALL
 - NATURAL DIVERSITY DATABASE AREA
 - FAVORABLE AREAS WITHIN R.O.W.
 - ★ - PROJECT END POINT
 - ★ - POINTS OF INTEREST
 - - SIGNALIZED INTERSECTION
 - - NON-SIGNALIZED INTERSECTION
 - DRIVEWAY
 - UTILITY POLE
 - GAURDRAIL

REPRODUCTIONS OF THIS PLAN ARE INVALID UNLESS THEY BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED PROFESSIONAL.



51+00 - Open Space Adjacent to Road



55+00 - Begin Widened Shoulder



57+00 - Widened Shoulder at Ravine



58+50 - Driveway Crossing at End of Widened Shoulder



60+00 - Swale and Driveway Crossing



61+00 - Catch Basin at Swales and Woods



63+00 - Open Space Adjacent to Road



BOLTON GREENWAY EXTENSION
 ROUTE 44
 IN
 BOLTON CONNECTICUT
 EXISTING CONDITIONS ANALYSIS

DECEMBER 15, 2014

REVISIONS:

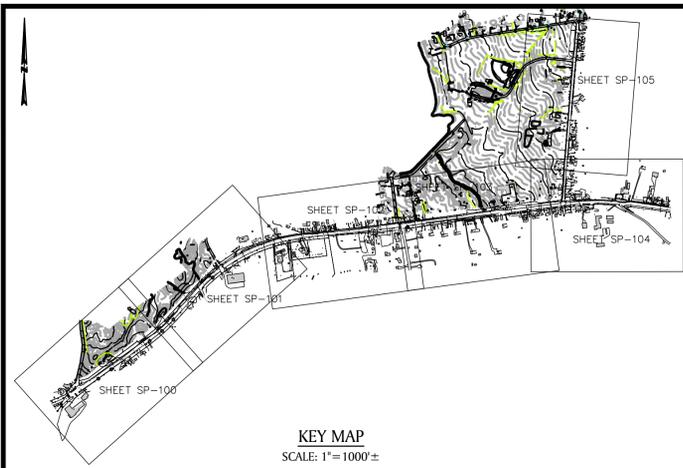
NO.	DATE	DESC.

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 NEWINGTON, CT 06070

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 0 30 60 120 FEET

FILE: CIVIL/DRAWINGS/SH.DWG
 DWG. NO:
 JOB. NO: 83570.00 **EC-103**



KEY MAP
SCALE: 1"=1000'±

T 1+00 - Tolland Road Looking North at Intersection T 2+00 - Tolland Road at Driveway Crossing T 3+00 - Tolland Road Swale 64+00 - Open Space Adjacent to Road



66+00 - Tolland Road Intersection 67+00 - Open Space and Wide R.O.W. 67+75 - Driveway Crossing



- LEGEND**
- TYP - TYPICAL
 - EOP - EDGE OF PAVEMENT
 - PROPERTY LINE
 - DRAINAGE AREA
 - TREE LINE
 - STEEP SLOPE/ROCK OUTCROP
 - STONE WALL
 - NATURAL DIVERSITY DATABASE AREA
 - FAVORABLE AREAS WITHIN R.O.W.
 - PROJECT END POINT
 - POINTS OF INTEREST
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 - NON-SIGNALIZED INTERSECTION
 - DRIVEWAY
 - UTILITY POLE
 - GAURDRAIL



68+75 - Driveway Crossing and Wet Area 70+00 - Drainage Swale with Wetland Indicator Plants 73+50 - Driveway Crossing and Plantings 74+50 - 76+00 - Access Drive 76+50 - Kennel Sign and Driveway Crossing 77+00 - Driveway Crossings



REPRODUCTIONS OF THIS PLAN ARE INVALID UNLESS THEY BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED PROFESSIONAL.

BOLTON GREENWAY EXTENSION
ROUTE 44
IN
BOLTON CONNECTICUT
EXISTING CONDITIONS ANALYSIS

DECEMBER 15, 2014

REVISIONS:

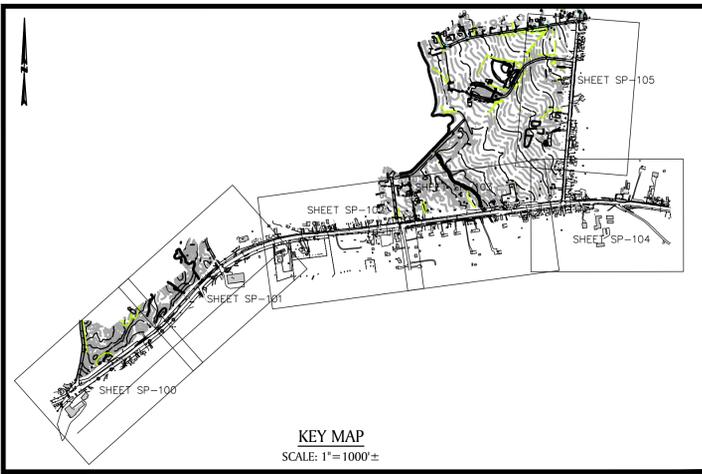
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0 30 60 120 FEET

FILE: CIVIL/DRAWINGS/SH.DWG
DWG. NO.:
JOB. NO.: 83570.00 **EC-104**



T 5+00 - Tolland Road Driveway Crossing



T 7+00 - Looking North on Tolland Road

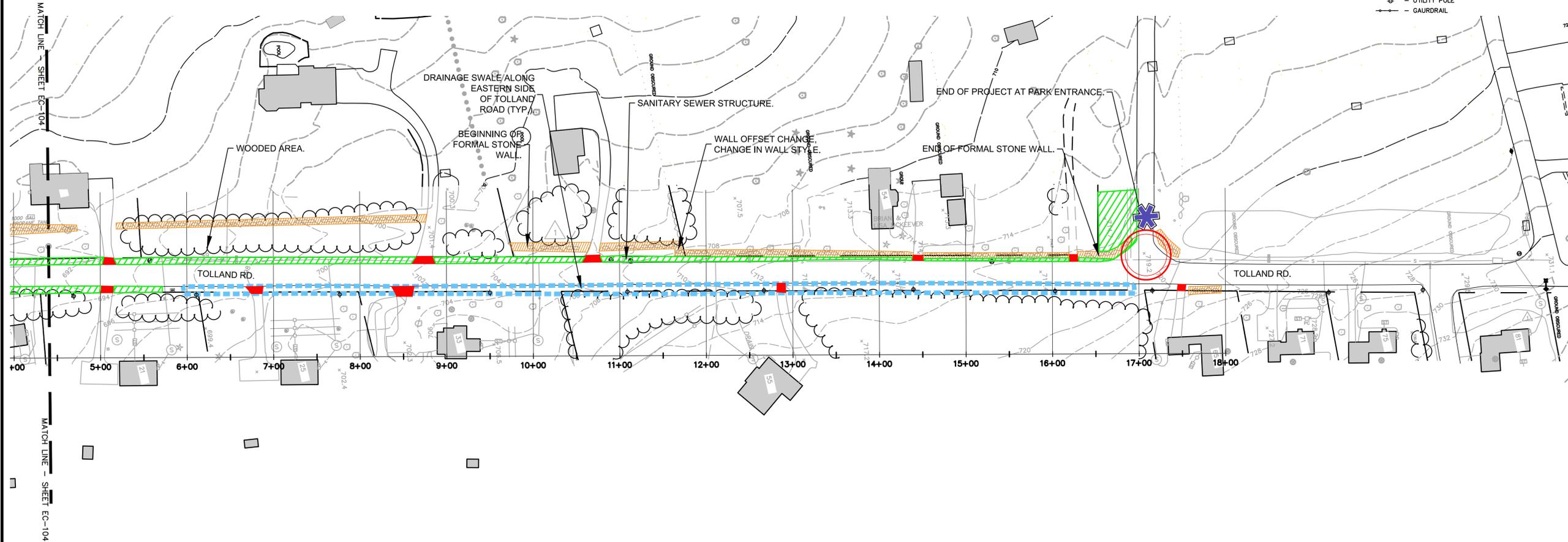


T 8+50 - Tolland Road Driveway Crossing



- LEGEND
- TYP - TYPICAL
 - EOP - EDGE OF PAVEMENT
 - PROPERTY LINE
 - DRAINAGE AREA
 - TREE LINE
 - STEEP SLOPE/ROCK OUTCROP
 - STONE WALL
 - NATURAL DIVERSITY DATABASE AREA
 - FAVORABLE AREAS WITHIN R.O.W.
 - PROJECT END POINT
 - POINTS OF INTEREST
 - SIGNALIZED INTERSECTION
 - NON-SIGNALIZED INTERSECTION
 - DRIVEWAY
 - UTILITY POLE
 - GAURDRAIL

REPRODUCTIONS OF THIS PLAN ARE INVALID UNLESS THEY BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED PROFESSIONAL.



BOLTON GREENWAY EXTENSION

ROUTE 44
IN
BOLTON
CONNECTICUT

EXISTING CONDITIONS ANALYSIS

DECEMBER 15, 2014

REVISIONS:

NO.	DATE	DESC.

T 10+50 - Tolland Road-Beginning of Stone Wall



T 11+50 - Tolland Road-Stone Wall Continues



T 13+00 - Tolland Road-Stone Wall Encroaches on Road



T 14+50 - Tolland Road Driveway Crossing



T 16+50 - Tolland Road at Indian Notch Park Entrance



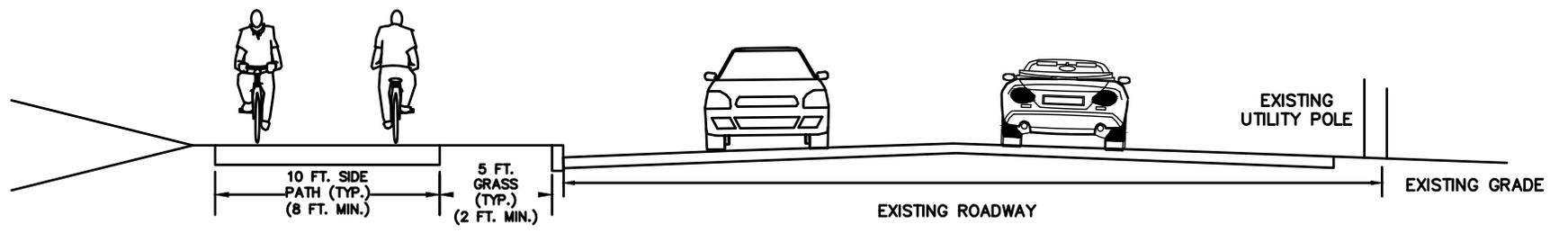
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0 30 60 120 FEET

FILE: CIVIL/DRAWINGS/SH.DWG
DWG. NO:
JOB. NO: 83570.00 **EC-105**

APPENDIX C
FUTURE CONDITIONS ASSESSMENT



PREPARED FOR:

TOWN OF BOLTON
BOLTON, CT

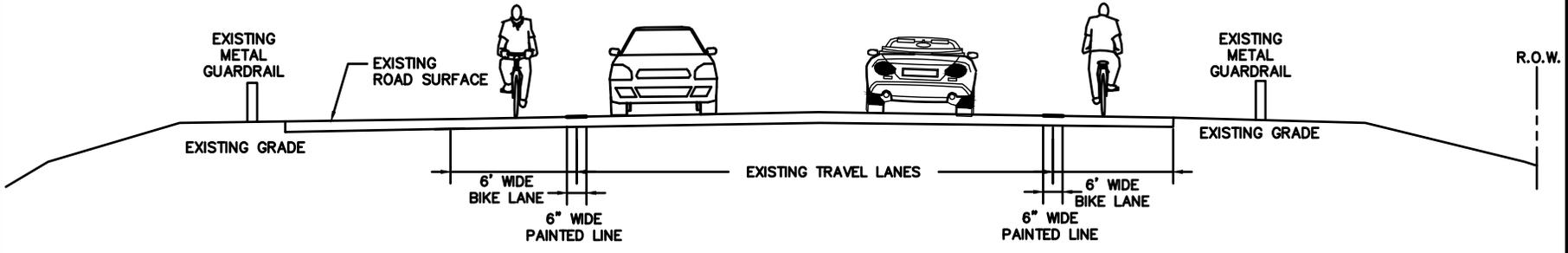
SHARED USE SIDE PATH OPTION

Source:

BOLTON GREENWAY EXTENSION
BOLTON, CT

BSC GROUP
300 WINDING BROOK DRIVE
Glastonbury, Connecticut 06033
860 652 8227

Job No.: 8-3570.00	Date: 08/26/15
Scale: NTS	Revised:
Dwg. No: N/A	Appendix: 4-2



PREPARED FOR:

TOWN OF BOLTON
BOLTON, CT

DEDICATED BIKE LANE OPTION

Source:

BOLTON GREENWAY EXTENSION
BOLTON, CT



300 WINDING BROOK DRIVE
Glastonbury, Connecticut 06033
860 652 8227

Job No.: 8-3570.00	Date: 08/26/15
Scale: NTS	Revised:
Dwg. No: N/A	Appendix: 4-1

APPENDIX D
PRELIMINARY DESIGN PLANS

APPENDIX E
COST ESTIMATES

TOWN OF BOLTON
GREENWAY EXTENSION PROJECT

PRELIMINARY DESIGN - OPINION OF PROBABLE COSTS - SUMMARY

Project: Town of Bolton - Greenway Extension
Project #: N/A
Project #: 83570.00
Location: Route 44 and Tolland Road
Location: Bolton, CT

Computed By: RLP
Checked By: MS
Date: 11/19/15
Revised: 12/11/15

Estimated Cost of Bolton Greenway Extension Construction	\$ 1,830,000.00
Estimated Cost of ROW Impacts	\$ 490,000.00
Estimated Cost of Legal Expenses	\$ 200,000.00 *
Estimated Cost of Final Design Cost including Surveying and Permitting	\$ 100,000.00
Estimated Cost of Geotechnical Investigations for Rock Slope	\$ 20,000.00
Estimated Cost of Environmental Investigations – Screening Level (Archeological / Historic / Hazardous Material / Wetland Delineation)	\$ 22,000.00
<hr/>	
Total	\$ 2,662,000.00

* - Based on Town of Bolton previous project experience

**TOWN OF BOLTON
GREENWAY EXTENSION PROJECT**

PRELIMINARY DESIGN - OPINION OF PROBABLE COSTS - CONSTRUCTION

Project: Town of Bolton - Greenway Extension
 Project #: N/A
 Project #: 83570.00
 Location: Route 44 and Tolland Road
 Location: Bolton, CT

Computed By: RLP
 Checked By: MS
 Date: 08/26/15
 Revised: 12/11/15

A. MAJOR ITEMS

Item #	Item Description	Units	Quantity	Unit Price	Cost
201001	CLEARING & GRUBBING	LS	1	\$5,000.00	\$5,000.00
201500	RESET MAILBOX	LS	1	\$1,000.00	\$1,000.00
21500X	RELOCATE MILE STONE MARKER	EA	1	\$250.00	\$250.00
202001	EARTH EXCAVATION	CY	2050	\$25.00	\$51,250.00
202103	ROCK EXCAVATION - 1:1 SLOPE OPTION	CY	2055	\$55.00	\$113,025.00
202103	ROCK EXCAVATION - 2:1 SLOPE OPTION (INCREASE FROM 1:1 SLOPE)	CY	3280	\$55.00	\$180,400.00
202201	CHANNEL EXCAVATION - EARTH	CY	20	\$30.00	\$600.00
202529	CUT BITUMINOUS CONCRETE PAVEMENT	LF	5755	\$3.00	\$17,265.00
202531	REMOVAL OF BITUMINOUS CONCRETE	SY	2710	\$7.00	\$18,970.00
205001	TRENCH EXCAVATION 0'-4' DEEP	CY	110	\$20.00	\$2,200.00
209001	FORMATION OF SUBGRADE	SY	8460	\$3.00	\$25,380.00
218001	SEDIMENTATION CONTROL BALES	LF	50	\$6.00	\$300.00
219001	SEDIMENTATION CONTROL SYSTEM - SILT FENCE	LF	5750	\$3.00	\$17,250.00
21900X	SEDIMENTATION CONTROL SYSTEM - CB FILTER SACK	EA	20	\$150.00	\$3,000.00
304002	PROCESSED AGGREGATE SUBBASE	CY	2400	\$42.00	\$100,800.00
406011	BITUMINOUS CONCRETE - CLASS 1 - SIDE PATH PAVEMENT	TON	1460	\$100.00	\$146,000.00
506090	DRY STACK RETAINING WALL SYSTEM	SF	870	\$55.00	\$47,850.00
507001	TYPE "C" CATCH BASIN	EA	15	\$2,750.00	\$41,250.00
507701	RESET TYPE "C" CATCH BASIN	EA	16	\$800.00	\$12,800.00
50770X	RESET SEWER MH	EA	20	\$800.00	\$16,000.00
507831	CONVERT CATCH BASIN TO MANHOLE	EA	14	\$1,500.00	\$21,000.00
651012	15" R.C. PIPE	LF	218	\$50.00	\$10,900.00
815001	BITUMINOUS CONCRETE LIP CURBING	LF	7365	\$6.50	\$47,872.50
815091	REMOVAL OF BITUMINOUS CONCRETE LIP CURBING	LF	2875	\$3.00	\$8,625.00
90500X	STONE WALL - 4' HIGH	LF	100	\$300.00	\$30,000.00
90500X	RESET WOODEN GATE	EA	1	\$2,500.00	\$2,500.00
905018	REMOVE AND REBUILD EXISTING STONEWALL	CY	14	\$250.00	\$3,500.00
91250X	REMOVE EXISTING GUIDE RAIL	LF	580	\$5.00	\$2,900.00
913969	PROTECTIVE FENCE (42" MIN HEIGHT)	LF	250	\$75.00	\$18,750.00
922501	BITUMINOUS CONCRETE DRIVEWAY	SY	374	\$36.00	\$13,464.00
944000	FURNISHING AND PLACING TOPSOIL	SY	2112.5	\$8.00	\$16,900.00
950005	TURF ESTABLISHMENT	SY	8450	\$2.00	\$16,900.00
971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1	\$20,000.00	\$20,000.00
970007	TRAFFICPERSON (UNIFORMED FLAGGER)	HR	160	\$55.00	\$8,800.00
1118009	ADJUST EXISTING SIGNAL INSTALLATION @ QUARRY ROAD	LS	1	\$40,000.00	\$40,000.00
1118009	ADJUST EXISTING SIGNAL INSTALLATION @ SOUTH ROAD	LS	1	\$40,000.00	\$40,000.00
1206023	REMOVAL AND RELOCATION OF EXISTING SIGNS	LS	1	\$3,000.00	\$3,000.00
1208906	SIGN FACE - SHEET ALUMINUM - BRIGHT WIDE ANGLE RETROREFLECTIVE	EA	65	\$200.00	\$13,000.00
1209005	PAINTED PAVEMENT MARKINGS - 4" WHITE	LF	700	\$0.35	\$245.00
1209007	PAINTED PAVEMENT MARKINGS - 4" YELLOW	LF	1270	\$0.35	\$444.50
1209433	THERMOPLASTIC PAVEMENT LINE - 8" WHITE	LF	470	\$1.25	\$587.50
1209434	THERMOPLASTIC PAVEMENT LINE - 12" WHITE	LF	85	\$2.25	\$191.25
1209467	THERMOPLASTIC LEGENDS, ARROWS AND MARKINGS - SHARROW SYMBOLS	EA	16	\$75.00	\$1,200.00
1211001	REMOVAL OF PAVEMENT MARKINGS	SF	350	\$2.00	\$700.00

MAJOR ITEMS COST: \$1,122,069.75

B. LUMP SUM ITEMS (% OF "MAJOR ITEMS" AS INDICATED)

Item #	Item Description	Units	Quantity	Unit Price	Cost
975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1	6.50%	\$72,934.53
980001	CONSTRUCTION STAKING	LS	1	1.00%	\$11,220.70

LUMP SUM ITEMS COST: \$84,155.23

C. CONTINGENCY (10% OF A+B)

\$120,622.50

SUBTOTAL 1 (A+B+C) \$1,326,847.48

D. INCIDENTALS (25% of SUBTOTAL 1) - PER CONNDOT ESTIMATING GUIDANCE

\$331,711.87

SUBTOTAL 2 (SUBTOTAL 1 + INCIDENTALS) \$1,658,559.35

E. INFLATION ADJUSTMENT (5% ANNUAL, SIMPLE COMPOUND, 24 MONTHS)

\$165,855.93

TOTAL PROJECT COST: \$1,824,415.28

SAY: \$1,830,000

Legend

SY = Square Yard EA = Each
 CY = Cubic Yard LF = Linear Foot
 SF = Square Foot LS = Lump Sum
 HR = hour TON = Ton