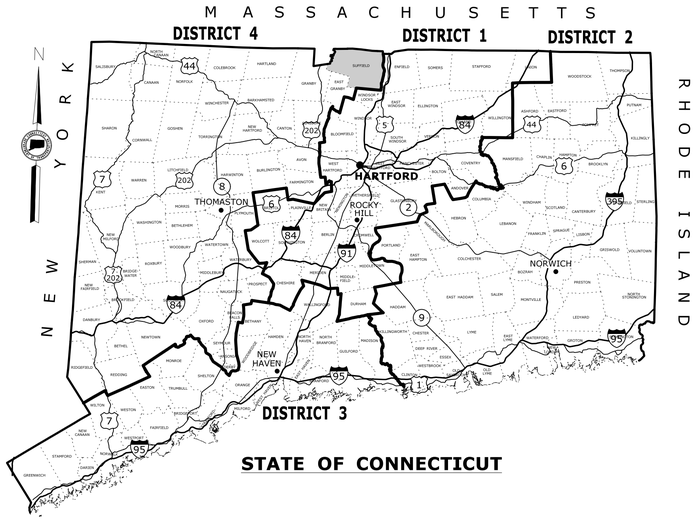
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

HARVEY LANE RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS

Town of

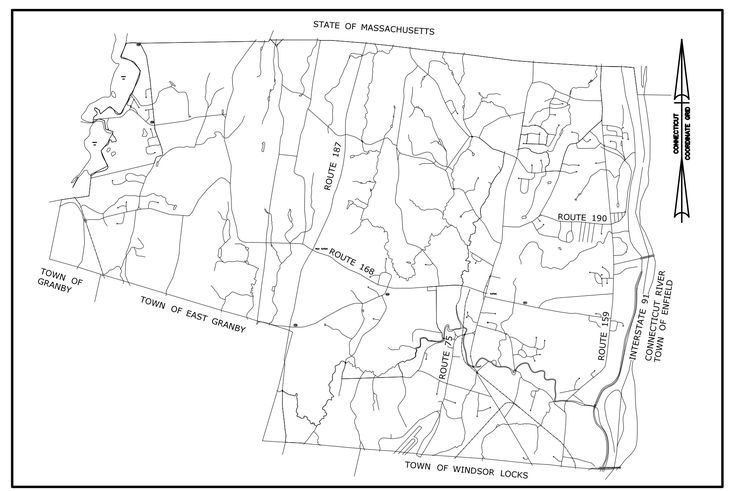
SUFFIELD



STATE OF CONNECTICUT

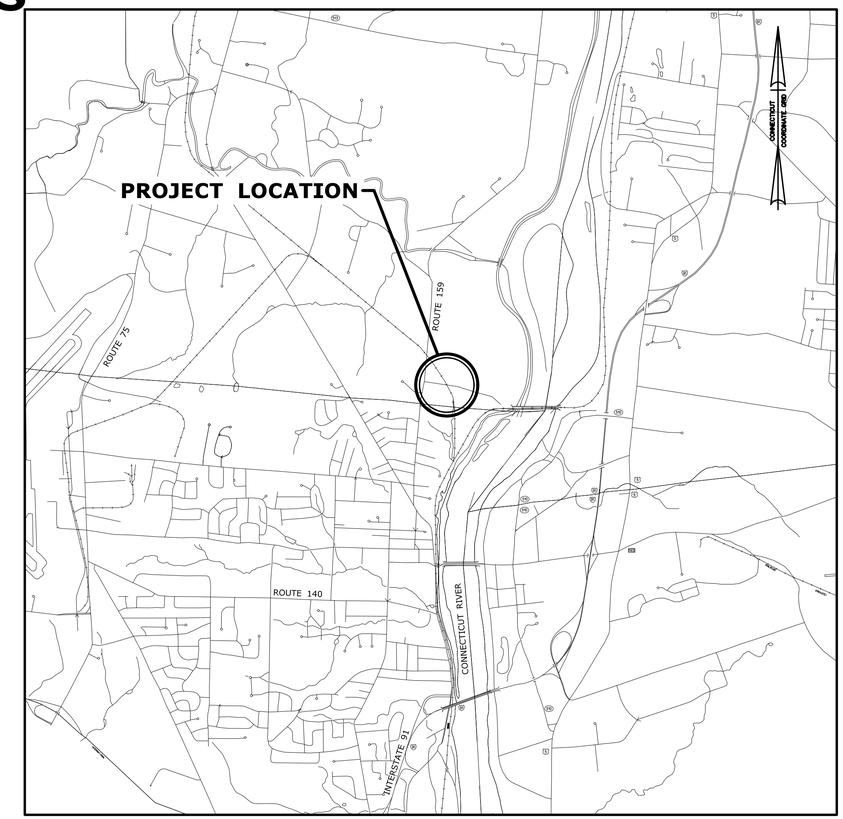
ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
HARVEY LANE	TOWN	600 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
7139(005)	STATE & TOWN	139-103



TOWN OF SUFFIELD

NOT TO SCALE



LOCATION PLAN

NOT TO SCALE

GENERAL NOTES:

1. FEDERAL AID PROJECT NO. 7139(005)
2. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 817, dated 2016; Supplemental Specifications, dated July 2019; and Special Provisions
3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM SYSTEM N.A.D. 1983/1987
4. VERTICAL DATUM BASED ON NAVD 1988
5. EXISTING SURVEY PROVIDED BY CTDOT DISTRICT 4 SURVEYS

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE DEPARTMENT.

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LIST OF SUBSETS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	2
02	REVISIONS	1
03	HIGHWAY	30
04	TRAFFIC	3
05	MAINTENANCE AND PROTECTION OF TRAFFIC	5
06	EVERSOURCE ENERGY - FIO	3
07	EVERSOURCE GAS - FIO	3
	HIGHWAY STANDARD SHEETS	13
	TRAFFIC STANDARD SHEETS	8

*THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

LIST OF DRAWINGS
SUBSET 01 - GENERAL

DRAWING TITLE	DRAWING NO.
TITLE SHEET	G-1
DETAILED ESTIMATE SHEET	EST-01

STANDARD CONVENTIONS

North Arrow W/No. Coor.
Grid Arrow
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Water Edge
Stream
Ditch
TOWN LINE
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Highway Line
Street Line
Property Line
Lot Line
Easement Line

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

DESIGNED BY:
CONSULTANT COMPANY NAME

BL Companies
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

STATE OF CONNECTICUT
MICHAEL G. FISHER
No. 31170
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Michael Fisher
Date: 2020.03.18 15:28:07-04'00'

Plans For
HARVEY LANE
RAILROAD-HIGHWAY GRADE
CROSSING IMPROVEMENTS

Town of
SUFFIELD

STATE PROJECT NO.
139-103

DRAWING NO.
G-1

SHEET NO.
01.01

ITEM NUMBER	0201001 P	0201215 P	0202000 P	0202100 P	0202452A P	0202501 P	0202502 P	0202529 P	0209001 P	0213100 P	0219001 P	0219011A P	0286001.10 P	0304002 P	0406170 P	0406171 P	0406236 P	0586001.10 P	0586002.10 P	0586011.10A P	0586500.10 P	0586790.10 P	0686002.15 P	0686002.18 P	0686002.24 P	0686700.15 P	0686700.24 P	0686950.10 P	0703012 P	0728001 P	0755010 P	0815001 P	0906159 P	0913000 P	0913021 P	0913022 P	0913068 P	0913918 P	0913931 P	0921001 P	0921005 P	0921011 P	0921039 P	0922500 P	0942001 P	0944000 P	0950005 P	0970007 P
ITEM	CLEARING AND GRUBBING	REMOVE AND RESET GATE	EARTH EXCAVATION	ROCK EXCAVATION	TEST PIT	CUT CONCRETE PAVEMENT	REMOVAL OF CONCRETE PAVEMENT	CUT BITUMINOUS CONCRETE PAVEMENT	FORMATION OF SUBGRADE	GRANULAR FILL	SEDIMENTATION CONTROL SYSTEM	SEDIMENT CONTROL SYSTEM AT CATCH BASIN	ROCK IN DRAINAGE TRENCH EXCAVATION 0'-10' DEEP	PROCESSED AGGREGATE BASE	HMA S1	HMA S0.5	MATERIAL FOR TACK COAT	TYPE 'C' CATCH BASIN - 0'-10' DEEP	TYPE 'C' CATCH BASIN (4' SUMP) - 0'-10' DEEP	SPECIAL TYPE 'C' CATCH BASIN DOUBLE GRATE TYPE 2 0'-10' DEEP	MANHOLE - 0'-10' DEEP	REMOVE DRAINAGE STRUCTURE - 0'-10' DEEP	15" R.C. PIPE (CLASS V) - 0'-10' DEEP	18" R.C. PIPE (CLASS V) - 0'-10' DEEP	24" R.C. PIPE (CLASS V) - 0'-10' DEEP	15" REINFORCED CONCRETE DRAINAGE PIPE END	24" REINFORCED CONCRETE DRAINAGE PIPE END	REMOVE EXISTING PIPE - 0'-10' DEEP	MODIFIED RIPRAP	CRUSHED STONE FOR SLOPE PROTECTION	GEOTEXTILE (SEPARATION-MEDIUM SURVIVABILITY)	BITUMINOUS CONCRETE LIP CURBING	REMOVE GATE	REMOVE CHAIN LINK FENCE	6' CHAIN LINK FENCE	6' CHAIN LINK FENCE WITH BARBED WIRE	TEMPORARY 6' CHAIN LINK FENCE	4' CHAIN LINK GATE 6' HIGH	24' CHAIN LINK DOUBLE GATE 6' HIGH	CONCRETE SIDEWALK	CONCRETE SIDEWALK RAMP	CONCRETE DRIVEWAY	DETECTABLE WARNING STRIP	BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)	CALCIUM CHLORIDE FOR DUST CONTROL	FURNISHING AND PLACING TOPSOIL	TURF ESTABLISHMENT	TRAFFIC PERSON (UNIFORMED FLAGGER)
UNIT	LS	EA	CY	CY	EA	LF	SY	LF	SY	CY	LF	EA	CY	CY	TON	TON	GAL	EA	EA	EA	EA	EA	LF	LF	LF	EA	EA	LF	CY	TON	SY	LF	EA	LF	LF	LF	LF	EA	EA	SF	SF	SF	EA	SY	TON	SY	SY	HR
	L.S.	1	3050	170	1	71	358	570	2621	4	151	8	17	904	465	616	395	5	2	1	1	1	285	22	20	1	3	49	7	32	31	756	2	320	130	173	120	1	1	515	110	2221	2	652	2	1409	1409	640
SUBTOTAL	L.S.	1	3050	170	1	71	358	570	2621	4	151	8	17	904	465	616	395	5	2	1	1	1	285	22	20	1	3	49	7	32	31	756	2	320	130	173	120	1	1	515	110	2221	2	652	2	1409	1409	640
UNASSIGNED	-	-	155	10	2	4	22	30	132	1	9	-	1	46	24	34	20	-	-	-	-	-	15	2	1	-	-	3	1	3	4	44	0	15	10	12	10	-	-	25	10	114	-	33	1	71	71	-
TOTAL	L.S.	1	3205	180	3	75	380	600	2753	5	160	8	18	950	489	650	415	5	2	1	1	1	300	24	21	1	3	52	8	35	35	800	2	335	140	185	130	1	1	540	120	2335	2	685	3	1480	1480	640

ITEM NUMBER	0971001A P	0975002 P	0976002 P	0978002 P	0979003 P	0980001 P	1020030 P	1208931A P	1209114 P	1209124 P	1210101 P	1210102 P	1210105 P	1211001 P	1220027 P	1403501A
ITEM	MAINTENANCE AND PROTECTION OF TRAFFIC	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	TEMPORARY ILLUMINATION UNIT	SIGN FACE-SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	EPOXY RESIN PAVEMENT MARKINGS SYMBOLS, AND LEGEND	REMOVAL OF PAVEMENT MARKINGS	CONSTRUCTION SIGNS	RESET MANHOLE (SANITARY SEWER)
UNIT	LS	LS	DAY	EA	EA	LS	EA	SF	LF	LF	LF	LF	SF	SF	SF	EA
	L.S.	L.S.	640	19	8	L.S.	2	28	866	174	1200	1400	413	2240	160	5
SUBTOTAL	L.S.	L.S.	640	19	8	L.S.	2	28	866	174	1200	1400	413	2240	160	5
UNASSIGNED	-	-	-	1	-	-	-	-	44	11	60	70	22	112	-	-
TOTAL	L.S.	L.S.	640	20	8	L.S.	2	28	910	185	1260	1470	435	2352	160	5

NP= FEDERAL AID NON PARTICIPATING
=FOR INTERNAL USE ONLY
NOT A LEGAL DEFINITION

A = ** See Special Provisions **

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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

Plotted Date: 3/17/2020

DESIGNER/DRAFTER: **JE**

CHECKED BY: **SB**

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_139-103_DES.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS HARVEY LANE

TOWN: **SUFFIELD**

DRAWING TITLE: **DETAILED ESTIMATE HIGHWAY**

PROJECT NO. **139-103**

DRAWING NO. **EST-01**

SHEET NO. **01.02**