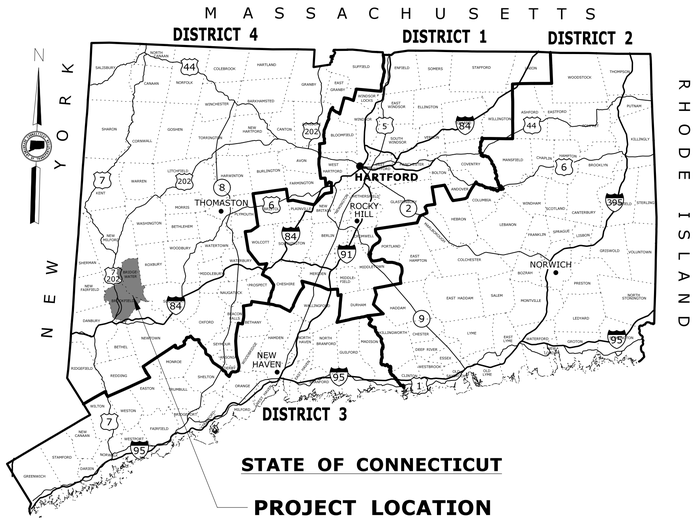
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

REHABILTATION OF BRIDGE NO. 01343 ROUTE 133 OVER HOUSATONIC RIVER

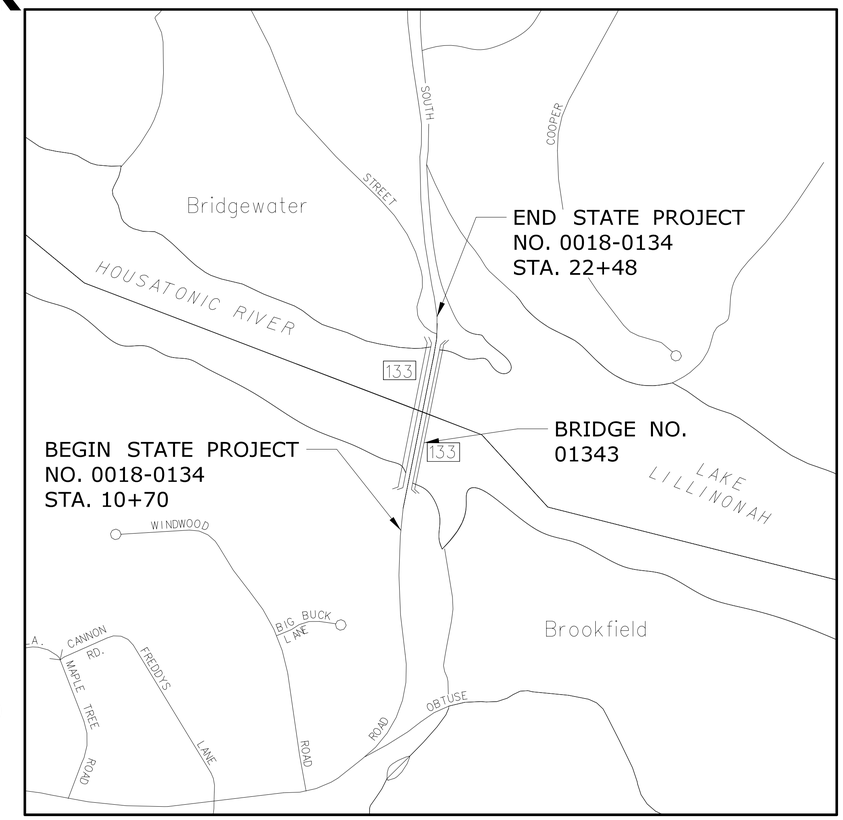
Towns of

BROOKFIELD / BRIDGEWATER



ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
Route 133	STATE	1178.00 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
N/A	STATE	018-134



LOCATION PLAN

1" = 500'

GENERAL NOTES:

1. FEDERAL AID PROJECT NUMBER: N/A
2. CONSTRUCTION SPECIFICATIONS:
   CONNECITCUT DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 817, DATED 2016;
   SUPPLEMENTAL SPRECIFICATIONS, DATED JANUARY 2018; AND SPECIAL PROVISIONS
3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM SYSTEM N.A.D. 1983
4. VERTICAL DATUM BASED ON NAVD 1988
5. ROUTE 133 IS CLASSIFIED AS AN URBAN MINOR ARTERIAL WITH A DESIGN SPEED OF 45 MPH IN BROOKFIELD, AND AS A RURAL MAJOR COLLECTOR WITH A DESIGN SPEED OF 45 MPH IN BRIDGEWATER, WITH AN ADT = 3,800.
6. SITE SURVEY: PERFORMED BY DISTRICT 4 SURVEYS, NOVEMBER, 2014.

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.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE DEPARTMENT TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

DESIGN CRITERIA	
DESIGN STANDARD	AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 7TH EDITION (WITH 2016 REVISIONS) AND AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003) WITH REVISIONS DATED 2011.
FUNCTIONAL CLASSIFICATION	BROOKFIELD - URBAN MINOR ARTERIAL BRIDGEWATER - RURAL MAJOR COLLECTOR
DESIGN SPEED	45 MPH
YEAR ADT	3,800

LIST OF SUBSETS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	3
02	REVISIONS	1
03	HIGHWAY	5
04	CONSTRUCTION STAGING	8
05	STRUCTURE	34
06	TRAFFIC	15
	CTDOT HIGHWAY STANDARD SHEETS	17
	CTDOT TRAFFIC STANDARD SHEETS	9

*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-01
DETAILED ESTIMATE SHEET 1	EST-01
DETAILED ESTIMATE SHEET 2	EST-02

STANDARD CONVENTIONS

North Arrow W/No. Coor.
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Grid Arrow
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

DESIGNED BY:
HARDESTY & HANOVER, LLC

STATE OF CONNECTICUT
STEVEN D. HARLACKER
No. 22034
LICENSED PROFESSIONAL ENGINEER

Steven D Harlacker
2018.08.20
08:55:26-04'00'

Plans For
REHABILITATION OF BRIDGE
NO. 01343 ROUTE 133
OVER HOUSATONIC RIVER

Towns of
BROOKFIELD / BRIDGEWATER

STATE PROJECT NO.
018-134

DRAWING NO.
G-01

SHEET NO.
01.01

STRUCTURES

ITEM NUMBER	0100425A	0100427A	0203000A	0216000	0406210A	0503143A	0511001A	0520032A	0520036A	0520041A	0601073A	0601107A	0601201	0601954A	0601999A	0602006	0602891	0602910A	0603081A	0603563A	0603659A	0603729A	0822005A	0822006A	0904305A	0969062A	0974001	0975004
ITEM	WATER TRANSPORTATION FOR INSPECTION PERSONNEL	WATER RESCUE OPERATIONS	STRUCTURE EXCAVATION-EARTH (COMPLETE)	PERVIOUS STRUCTURE BACKFILL	POLYESTER POLYMER CONCRETE OVERLAY	REMOVAL OF CONCRETE BRIDGE DECK	BRIDGE SCUPPER	ELASTOMERIC CONCRETE HEADER	ASPHALTIC PLUG EXPANSION JOINT SYSTEM	PREFORMED JOINT SEAL	CLASS "S" CONCRETE	HIGH EARLY STRENGTH CONCRETE	CLASS "F" CONCRETE	EPOXY INJECTION CRACK REPAIR	EXODERMIC DECK	DEFORMED STEEL BARS - EPOXY COATED	DOWEL BAR SPLICER SYSTEM - EPOXY COATED	DRILLING HOLES AND GROUTING DOWELS	STRUCTURAL STEEL REPAIRS (SITE NO. 1)	CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 1)	REPLACE REMOVED OR MISSING RIVETS AND BOLTS WITH HIGH STRENGTH BOLTS	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL	TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE)	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB(STRUCTURE)	METAL BRIDGE RAIL - FOUR RAIL	CONSTRUCTION FIELD OFFICE, MEDIUM	REMOVAL OF EXISTING MASONRY	MOBILIZATION AND PROJECT CLOSEOUT
UNIT	DAY	LS	C.Y.	C.Y.	S.F.	LS	EA.	C.F.	C.F.	L.F.	C.F.	C.Y.	C.Y.	L.F.	S.F.	LB.	EA.	EA.	CWT.	LS	ea.	s.f.	l.f.	l.f.	l.f.	mo.	c.y.	LS
BRIDGE NO. 01343	203	LS	11	11	23860	LS	112	32	36	143	10	10	11	20	27430	2500	14	144	482	LS	65	2200	500	1500	1640	7	15	LS
SUBTOTAL	203	LS	11	11	23860	LS	112	32	36	143	10	10	11	20	27430	2500	14	144	482	LS	65	2200	500	1500	1640	7	15	LS
UNASSIGNED	0	0	0	0	0	0	0	0	0	0	2	0	0	4	0	0	0	8	0	0	13	400	30	80	40	0	1	0
TOTAL	203	LS	11	11	23860	LS	112	32	36	143	12	10	11	24	27430	2500	14	152	482	LS	78	2600	530	1580	1680	7	16	LS

STRUCTURES (CONT.)

ITEM NUMBER																												
ITEM																												
UNIT																												
BRIDGE NO. 01343																												
SUBTOTAL																												
UNASSIGNED																												
TOTAL																												

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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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: 8/17/2018

DESIGNER/DRAFTER: **SS**

CHECKED BY: **BNK**

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\DD_MST_BR01343_018_134_EST_01.dgn

SIGNATURE/ BLOCK:

Hardesty & Hanover, LLC
59 Elm Street
New Haven, CT 06510

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 01343 ROUTE 133 OVER HOUSATONIC RIVER

TOWN: **BROOKFIELD/BRIDGEWATER**

DRAWING TITLE: **DETAILED ESTIMATE SHEET 1**

PROJECT NO. **18-134**

DRAWING NO. **EST-01**

SHEET NO. **01.02**

HIGHWAYS

ITEM NUMBER	0201001A	0202000	0202529	0202574A	0209001	0212000	0213100	0219001	0305000	0406170	0406171	0406236	0406275A	0586001.10	0586030.10	0586650	0601000	0653100	0686000.12	0686100.12	0686100.24	0703011	0755013	0803000	0811106A	0815001	0822001A	0822002A	0910173	0910300	0911923	0912503	0944000	0950005	0950040A	0950043A	0970007	0971001A	0976002	0977001	0978002	0979003	0980001A	0981101A	1020030A	1118101A	1131002	1205216
ITEM	CLEARING AND GRUBBING	EARTH EXCAVATION	CUT BITUMINOUS CONCRETE PAVEMENT	RESET MONUMENT	FORMATION OF SUBGRADE	SUBBASE	GRANULAR FILL	SEDIMENTATION CONTROL SYSTEM	PROCESSED AGGREGATE	HMA S1	HMA S0.5	MATERIAL FOR TACK COAT	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	TYPE 'C' CATCH BASIN - 0' - 10' DEEP	TYPE 'C-G' CATCH BASIN - 0' - 10' DEEP	RESET MANHOLE	CLASS "A" CONCRETE	CLEAN EXISTING CULVERT - 12" TO 42" DIAMETER	12" R.C. PIPE - 0' - 10' DEEP	12" C.C.M. PIPE - 0' - 10' DEEP	24" C.C.M. PIPE - 0' - 10' DEEP	INTERMEDIATE RIPRAP	GEOTEXTILE EROSION CONTROL CLASS A	PAVED DITCH	RESET CONCRETE CURBING	BITUMINOUS CONCRETE LIP CURBING	TEMPORARY PRECAST CONCRETE BARRIER CURB	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB	R-B 350 BRIDGE ATTACHMENT - VERTICAL SHAPED PARAPET	METAL BEAM RAIL (R-B MASH)	R-B END ANCHORAGE-TYPE I	REMOVE METAL BEAM RAIL	FURNISHING AND PLACING TOPSOIL	TURF ESTABLISHMENT	CONSERVATION SEEDING FOR SLOPES	WETLAND GRASS ESTABLISHMENT	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	OPPOSING TRAFFIC LANE DIVIDER	TEMPORARY ILLUMINATION UNIT	TEMPORARY SIGNALIZATION	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	TYPE DE-7C DELINEATOR
UNIT	LS	C.Y.	L.F.	EA.	S.Y.	C.Y.	C.Y.	L.F.	TON	TON	TON	GAL	S.Y.	EA.	EA.	EA.	C.Y.	L.F.	L.F.	L.F.	L.F.	C.Y.	S.Y.	S.Y.	L.F.	L.F.	L.F.	L.F.	EA.	L.F.	EA.	L.F.	S.Y.	S.Y.	S.Y.	S.F.	HR	LS	DAY	EA.	EA.	EA.	LS	EA.	EA.	LS	DAY	EA.
BRIDGE NO. 01343	LS	763	165	1	1218	406	15	1009	34	331	265	86	113	4	1	2	3	396	49	27	70	45	79	4	120	171	200	330	4	150	4	282	47	1271	94	840	320	LS	1794	25	25	8	LS	50	7	LS	476	108
SUBTOTAL	LS	763	165	1	1218	406	15	1009	34	331	265	86	113	4	1	2	3	396	49	27	70	45	79	4	120	171	200	330	4	150	4	282	47	1271	94	840	320	LS	1794	25	25	8	LS	50	7	LS	476	108
UNASSIGNED	0	39	9	0	61	21	1	51	2	17	14	5	6	0	0	0	1	23	3	2	4	3	4	1	6	9	10	20	0	8	0	3	3	64	10	42	0	0	90	10	0	0	0	0	0	0	30	0
TOTAL	LS	802	174	1	1279	427	16	1060	36	348	279	91	119	4	1	2	4	419	52	29	74	48	83	5	126	180	210	350	4	158	4	285	50	1335	104	882	320	LS	1884	35	25	8	LS	50	7	LS	506	108

HIGHWAYS (CONT.)

ITEM NUMBER	1206023A	1208932A	1210101	1210102	1211001	1212001	1212002	1212010	1220027	1802210.07	1802210.14	1802210.21	1802211.07	1802211.14	1802211.21
ITEM	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	REMOVAL OF PAVEMENT MARKINGS	TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" YELLOW	TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" WHITE	TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 12" WHITE	CONSTRUCTION SIGNS	TEMPORARY SAND BARREL (700 LB)	TEMPORARY SAND BARREL (1400 LB)	TEMPORARY SAND BARREL (2100LB)	RELOCATION OF TEMPORARY SAND BARREL (700 LB)	RELOCATION OF TEMPORARY SAND BARREL (1400 LB.)	RELOCATION OF TEMPORARY SAND BARREL (2100 LB)
UNIT	LS	S.F.	L.F.	L.F.	S.F.	L.F.	L.F.	L.F.	S.F.	EA.	EA.	EA.	EA.	EA.	EA.
BRIDGE NO. 01343	LS	56	2218	2206	200	100	6770	270	945	2	8	4	6	24	12
SUBTOTAL	LS	56	2218	2206	200	100	6770	270	945	2	8	4	6	24	12
UNASSIGNED	0	3	111	110	10	10	190	10	50	0	0	0	0	0	0
TOTAL	LS	59	2329	2316	210	110	6960	280	995	2	8	4	6	24	12

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Filename: ...\DD_MST_BR01343_018_134_EST_02.dgn

SIGNATURE/BLOCK:

Hardesty & Hanover, LLC
59 Elm Street
New Haven, CT 06510

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 01343 ROUTE 133 OVER HOUSATONIC RIVER

TOWN: **BROOKFIELD/BRIDGEWATER**

DRAWING TITLE: **DETAILED ESTIMATE SHEET 2**

PROJECT NO. **18-134**

DRAWING NO. **EST-02**

SHEET NO. **01.03**