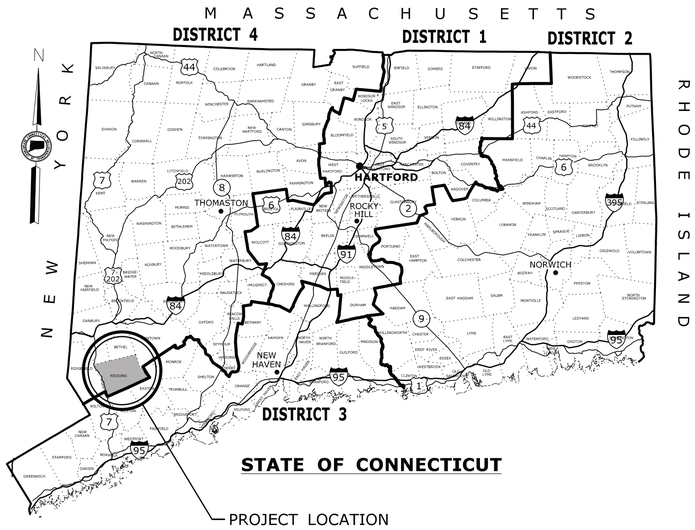
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

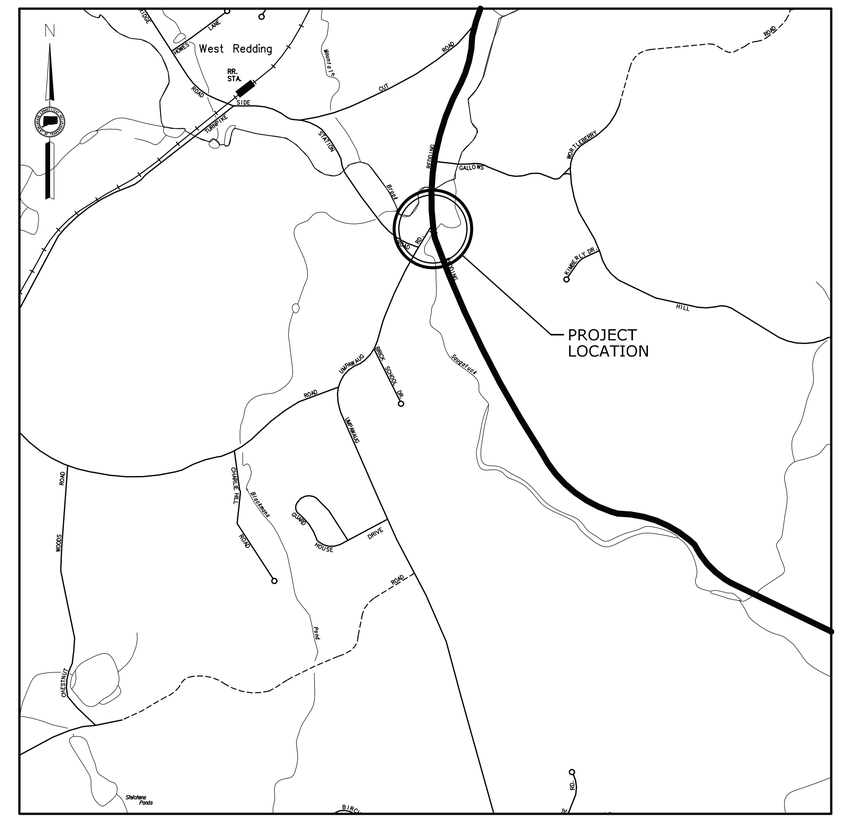
Town of

REDDING



ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
ROUTE 53	STATE	450 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
0053(109)	STATE	0116-0133



LOCATION PLAN

NOT TO SCALE

GENERAL NOTES:

1. FEDERAL AID PROJECT NO. 0053(109)
2. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, dated 2004; Supplemental Specifications, dated January 2015; and Special Provisions
3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM SYSTEM N.A.D. 1927
4. VERTICAL DATUM BASED ON N.A.V.D. OF 1988

ADT: 4100 VPD (2013)
CONNECTICUT D.O.T. CLASSIFICATION: RURAL MAJOR COLLECTOR
DESIGN SPEED: 50 MPH

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICAL 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 UNOFFICAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

LIST OF SUBSETS

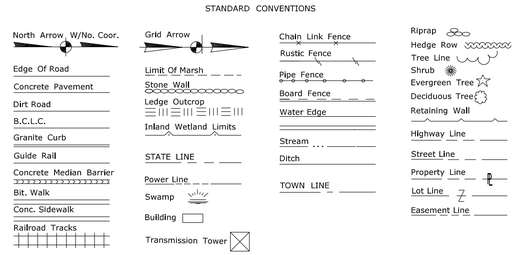
SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	2
02	REVISIONS	1
03	HIGHWAYS	14
04	STRUCTURE	25
05	TRAFFIC	4
06	LANDSCAPING	3
	HIGHWAY STANDARD SHEETS	14
	TRAFFIC STANDARD SHEETS	7

*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	G-02

STANDARD CONVENTIONS



Andrew Lessard
2015.07.29
15:59:24-04'00'

Plans For
REPLACEMENT OF
BRIDGE NO. 01018, ROUTE 53
OVER SAUGATUCK RIVER

Town of
REDDING

STATE PROJECT NO.
0116-0133

DRAWING NO.
G-01

SHEET NO.
01.01

Connecticut Department of Transportation
QA/QC Format Check

H I G H W A Y I T E M S

ITEM NUMBER	0201001	0202000	0202216A	0202529	0205003	0209001	0212000	0213000	0213100	0219001	0406170	0406171	0406236	0406303A	0601000	0603028A	0651001	0651012	0703011	0821206	0822001	0910170A	0910890A	0911923A	0911924A	0912499	0912503	0912506	0925201	0944000	0949000	0949149	0949237	0949828	0949871	0949876	0949896	0949917	0949926	0949958	0950013	0950019A	0950040A	0950043A	0952051A	0969062A	0970007A	0971001A
ITEM	CLEARING AND GRUBBING	EARTH EXCAVATION	EXCAVATION AND REUSE OF EXISTING CHANNEL BOTTOM MATERIAL	CUT BITUMINOUS CONCRETE PAVEMENT	TRENCH EXCAVATION 0'-10' DEEP	FORMATION OF SUBGRADE	SUBBASE	GRAVEL FILL	GRANULAR FILL	SEDIMENTATION CONTROL SYSTEM	HMA S1	HMA S0.5	MATERIAL FOR TACK COAT	SAWING AND SEALING JOINTS	CLASS "A" CONCRETE	CONTAINMENT AND OIL ABSORBENT BOOMS	BEDDING MATERIAL	15" R.C. PIPE	INTERMEDIATE RIPRAP	PRECAST CONCRETE BARRIER CURB (24" X 32")	TEMPORARY PRECAST CONCRETE BARRIER CURB	METAL BEAM RAIL (TYPE R-B 350)	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	R-B END ANCHORAGE-TYPE I	R-B END ANCHORAGE-TYPE II	REMOVE CABLE GUIDE RAIL	REMOVE METAL BEAM RAIL	REMOVE SINGLE POST	PAVEMENT FOR RAILING	FURNISHING AND PLACING TOPSOIL	WOOD CHIP MULCH	QUERCUS RUBRA, NORTHERN RED OAK, 24" - 36" HT. NO. 3 CONTAINER	CORYLUS AMERICANA, AMERICAN HAZELNUT 18"-24" HT. CONTAINER	ACER RUBRUM RED MAPLE 3'- 4' HT. WHIPS B.R.	CEPHALANTHUS OCCIDENTALIS, BUTTONBUSH, 24" - 36" HT. B.B.	CORNUS AMOMUM, SILKY DOGWOOD, 24" - 36" HT.	HAMAMELIS VIRGINIANA, WITCH HAZEL 24" - 36" HT. B.B.	SAMBUCUS CANADENSIS, COMMON ELDERBERRY, 24" - 36" HT. B.B.	VACCINIUM CORYMBOSUM, HIGHBUSH BLUEBERRY, 24" - 36" HT. B.B.	VIBURNUM RECOGNATUM, NORTHERN ARROWWOOD 2' - 3' HT. B.B.	EROSION CONTROL MATTING	TURF ESTABLISHMENT - LAWN	CONSERVATION SEEDING FOR SLOPES	WETLAND GRASS ESTABLISHMENT	CONTROL AND REMOVAL OF INVASIVE VEGETATION	CONSTRUCTION FIELD OFFICE, MEDIUM	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC
UNIT	LS	C.Y.	C.Y.	L.F.	C.Y.	S.Y.	C.Y.	C.Y.	C.Y.	L.F.	TON	TON	GAL	L.F.	C.Y.	LS	C.Y.	L.F.	C.Y.	L.F.	L.F.	L.F.	EA.	EA.	EA.	L.F.	L.F.	EA.	S.Y.	S.Y.	S.Y.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	S.Y.	S.Y.	S.Y.	S.F.	S.Y.	MO.	HR	LS
PROJECT: 116-133 BRIDGE: 01018	LS	1400	84	176	25	1813	605	3	44	1506	313	417	363	100	3	LS	5	45	143	160	100	1169	4	1	5	464	359	2	297	931	230	8	8	23	5	15	35	23	13	40	931	931	1050	9450	2100	8	160	LS
SUBTOTAL	LS	1400	84	176	25	1813	605	3	44	1506	313	417	363	100	3	LS	5	45	143	160	100	1169	4	1	5	464	359	2	297	931	230	8	8	23	5	15	35	23	13	40	931	931	1050	9450	2100	8	160	LS
UNASSIGNED																																																
TOTAL	LS	1400	84	176	25	1813	605	3	44	1506	313	417	363	100	3	LS	5	45	143	160	100	1169	4	1	5	464	359	2	297	931	230	8	8	23	5	15	35	23	13	40	931	931	1050	9450	2100	8	160	LS

H I G H W A Y I T E M S / S T R U C T U R E I T E M S

ITEM NUMBER	0975004	0976002	0977001	0978002	0979003	0980001	1131002A	1206023A	1208929	1209114	1209124	1210101A	1210102A	1210105A	1220027		0203202	0204001	0213100	0216600	0406171	0406173	0503001A	0514205	0514212	0521001	0601201	0601275A	0601504	0602000	0602006	0702101	0702109	0702111	0702214	0702797	0702929A	0707009A	0708601	0904487A	0974001
ITEM	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE - SHEET ALUMINUM (TYPE IV REFLECTIVE 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 LEGENDS	CONSTRUCTION SIGNS		STRUCTURE EXCAVATION-EARTH (EXCLUDING COFFERDAM AND DEWATERING)	COFFERDAM AND DEWATERING	GRANULAR FILL	PERVIOUS STRUCTURE BACKFILL	HMA S0.5	HMA S0.25	REMOVAL OF SUPERSTRUCTURE	PRESTRESSED DECK UNITS (3'-0" X 2'-3")	PRESTRESSED DECK UNITS (4'-0" X 2'-3")	ELASTOMERIC BEARING PADS	CLASS "F" CONCRETE	PRECAST SUBSTRUCTURE ELEMENTS	1" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	DEFORMED STEEL BARS	DEFORMED STEEL BARS - EPOXY COATED	FURNISHING STEEL PILES	PRE-AUGERING OF PILES	DRIVING STEEL PILES	TEST PILE (STEEL HP 12 X 84 - 50' LONG)	DYNAMIC PILE DRIVING ANALYSIS (P.D.A.) TEST	DRILL ROCK SOCKET FOR PILE FOUNDATIONS	MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	DAMPPROOFING	METAL BRIDGE RAIL (HANDRAIL)	REMOVAL OF EXISTING MASONRY
UNIT	LS	DAY	EA.	EA.	EA.	LS	DAY	LS	S.F.	L.F.	L.F.	L.F.	L.F.	S.F.	S.F.		C.Y.	L.F.	C.Y.	C.Y.	TON	TON	LS	L.F.	L.F.	C.I.	C.Y.	LS	S.F.	LB.	LB.	LB.	L.F.	L.F.	EA.	EA.	L.F.	S.Y.	S.Y.	L.F.	C.Y.
PROJECT: 116-133 BRIDGE: 01018	LS	353	25	25	8	LS	28	LS	50	1098	945	945	1098	38	406		434	505	9	277	53	27	LS	227	530	10580	246	LS	37	1700	25400	40000	691	605	2	2	48	455	154	175	91
SUBTOTAL	LS	353	25	25	8	LS	28	LS	50	1098	945	945	1098	38	406		434	505	9	277	53	27	LS	227	530	10580	246	LS	37	1700	25400	40000	691	605	2	2	48	455	154	175	91
UNASSIGNED																																									
TOTAL	LS	353	25	25	8	LS	28	LS	50	1098	945	945	1098	38	406		434	505	9	277	53	27	LS	227	530	10580	246	LS	37	1700	25400	40000	691	605	2	2	48	455	154	175	91

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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-	-	-	-
-	-	-	-
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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: 7/29/2015

DESIGNER/DRAFTER: **JRA**

CHECKED BY: **AML**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_116-0133_EST.dgn

SIGNATURE/BLOCK:

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

TOWN: **REDDING**

DRAWING TITLE: **DETAILED ESTIMATE SHEET**

PROJECT NO. **116-133**

DRAWING NO. **G-02**

SHEET NO. **01.02**