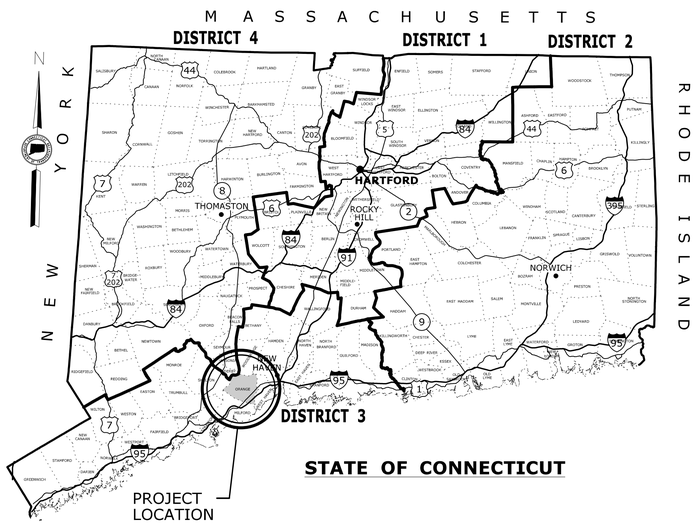
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

REHABILITATION OF BRIDGE 00948 ROUTE 34 OVER WEPAWAUG RIVER

Town of

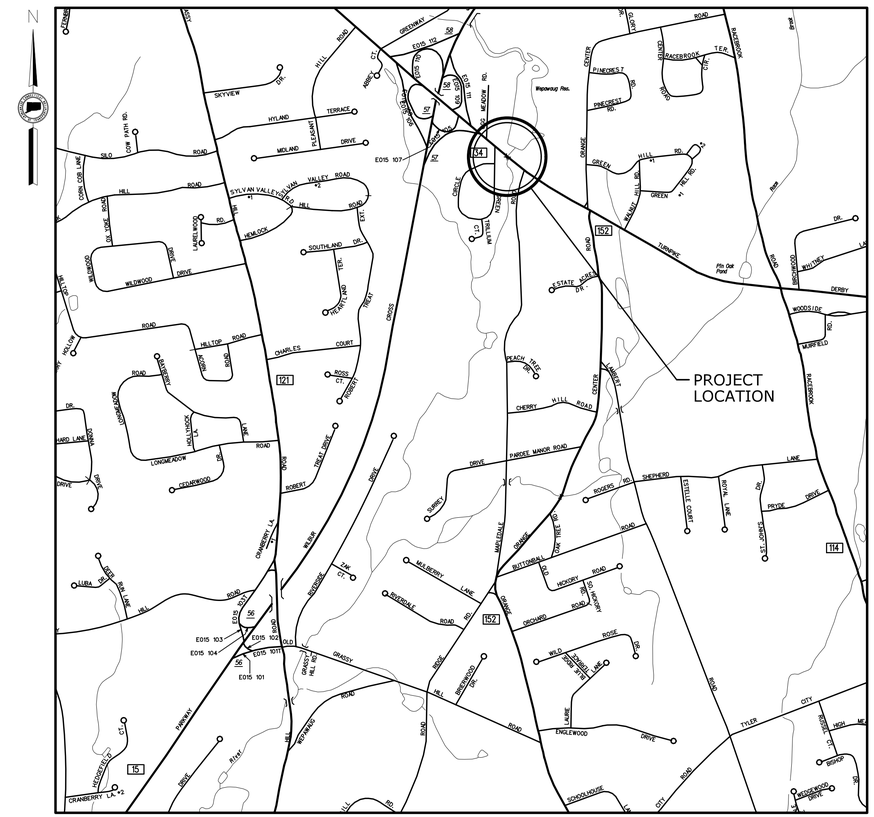
ORANGE



STATE OF CONNECTICUT

ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
ROUTE 34 WB	STATE	498.54 FEET
ROUTE 34 EB	STATE	478.93 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
N/A	STATE	0106-0127



LOCATION PLAN

NOT TO SCALE

GENERAL NOTES:

1. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 817, dated 2016; Supplemental Specifications, dated January 2018; and Special Provisions
2. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1927
3. VERTICAL DATUM BASED ON NGVD 1929

ADT: 34,600 VPD (2015)
CONNECTICUT D.O.T. CLASSIFICATION: PRINCIPAL ARTERIAL OTHER
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 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.

LIST OF SUBSETS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	3
02	REVISIONS	1
03	HIGHWAYS	13
04	STRUCTURE	12
05	TRAFFIC	10
06	WATER MAIN SLEEVE EXTENSION	2
07	GAS MAIN RELOCATION	2
08	EXISTING BRIDGE PLANS	9
	HIGHWAY STANDARD SHEETS	16
	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-01
DETAILED ESTIMATE SHEET - 1	G-02
DETAILED ESTIMATE SHEET - 2	G-03

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
Property Line
Lot Line
Easement Line
Water Edge
Stream
Ditch
TOWN LINE
Highway Line
Street Line
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deckduous Tree
Retaining Wall

Andrew Lessard
2019.01.02
15:28:03-05'00'

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

Plans For
REHABILITATION OF BRIDGE
00948 ROUTE 34 OVER
WEPAWAUG RIVER

Town of
ORANGE

STATE PROJECT NO.
0106-0127

DRAWING NO.
G-01

SHEET NO.
01.01

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

ITEM NUMBER	0100600A	0201001	0202000	0202529	0209001	0212000	0219001	0305001	0406159	0406170	0406171	0406173	0406236	0406275A	0406600	0586001-10	0586750	0703012	0815200	0822001	0822002	0910186	0910300	0910302	0910310	0910990	0911923	0912503	0922001	0944000	0950019A	0969063A	0970007	0971001A	0975004	0976002	0978002	0980001	0981100	1131002	1205207	1205214	1205215	1206023A	1208931A	1208932A	1209114	1209124
ITEM	CONSTRUCTION ACCESS	CLEARING AND GRUBBING	EARTH EXCAVATION	CUT BITUMINOUS CONCRETE PAVEMENT	FORMATION OF SUBGRADE	SUBBASE	SEDIMENTATION CONTROL SYSTEM	PROCESSED AGGREGATE	PMA S0.5	HMA S1	HMA S0.5	HMA S0.25	MATERIAL FOR TACK COAT	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	MATERIAL TRANSFER VEHICLE	TYPE 'C' CATCH BASIN - 0' - 10' DEEP	TYPE 'C' CATCH BASIN TOP	MODIFIED RIPRAP	BITUMINOUS CONCRETE PARK CURBING	TEMPORARY PRECAST CONCRETE BARRIER CURB	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB	R-B 350 BRIDGE ATTACHMENT - TRAILING END	METAL BEAM RAIL (R-B MASH)	METAL BEAM RAIL (R-B MASH QUARTER POST SPACING)	METAL BEAM RAIL (MD-B MASH)	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	R-B END ANCHORAGE-TYPE I	REMOVE METAL BEAM RAIL	BITUMINOUS CONCRETE SIDEWALK	FURNISHING AND PLACING TOPSOIL	TURF ESTABLISHMENT - LAWN	CONSTRUCTION FIELD OFFICE, MEDIUM	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC DRUM	CONSTRUCTION STAKING	42" TRAFFIC CONE	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	TYPE DE-7 DELINEATOR	TYPE DE-7A DELINEATOR	TYPE DE-7B DELINEATOR	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	SIGN FACE - SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE
UNIT	LS	LS	C.Y.	L.F.	S.Y.	C.Y.	L.F.	C.Y.	TON	TON	TON	TON	GAL	S.Y.	TON	EA.	EA.	C.Y.	L.F.	L.F.	L.F.	EA.	L.F.	L.F.	L.F.	EA.	EA.	L.F.	S.Y.	S.Y.	S.Y.	MO.	HR	LS	LS	DAY	EA.	LS	EA.	DAY	EA.	EA.	EA.	LS	S.F.	S.F.	L.F.	L.F.
PROJECT: 0106-0127 BRIDGES: 00948	LS	LS	266	395	541	161	660	35	430	140	85	205	515	3395	457	1	3	50	1000	480	480	4	950	63	175	4	3	921	515	155	155	7	288	LS	LS	96	50	LS	50	60	17	24	12	LS	50	5	2580	3140
SUBTOTAL	LS	LS	266	395	541	161	660	35	430	140	85	205	515	3395	457	1	3	50	1000	480	480	4	950	63	175	4	3	921	515	155	155	7	288	LS	LS	96	50	LS	50	60	17	24	12	LS	50	5	2580	3140
UNASSIGNED																																																	
TOTAL	LS	LS	266	395	541	161	660	35	430	140	85	205	515	3395	457	1	3	50	1000	480	480	4	950	63	175	4	3	921	515	155	155	7	288	LS	LS	96	50	LS	50	60	17	24	12	LS	50	5	2580	3140

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	1210101	1210102	1210105	1211001	1212001	1212002	1214002	1220027	1301934A	1802210.02	1802210.04	1802210.07	1802210.14	1802210.21	1802211.02	1802211.04	1802211.07	1802211.14	1802211.21	1803324	1806202		0202479A	0202501	0202502	0203000	0213100	0406159	0406172	0406173	0511211A	0513023	0601073A	0601201	0601301	0601318A	0601502	0601504	0602000	0602006	0602052	0602891	0602910A	0602971A	0602980A	0609001	0707001	0708001
ITEM	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS	REMOVAL OF PAVEMENT MARKINGS	TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" YELLOW	TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" WHITE	6" PREFORMED BLACK LINE MASK PAVEMENT MARKING TAPE	CONSTRUCTION SIGNS	24" STEEL PIPE SLEEVE	TEMPORARY SAND BARREL (200 LB.)	TEMPORARY SAND BARREL (400 LB.)	TEMPORARY SAND BARREL (700 LB.)	TEMPORARY SAND BARREL (1400 LB.)	TEMPORARY SAND BARREL (2100 LB.)	RELOCATION OF TEMPORARY SAND BARREL (200 LB.)	RELOCATION OF TEMPORARY SAND BARREL (400 LB.)	RELOCATION OF TEMPORARY SAND BARREL (700 LB.)	RELOCATION OF TEMPORARY SAND BARREL (1400 LB.)	RELOCATION OF TEMPORARY SAND BARREL (2100 LB.)	IMPACT ATTENUATION SYSTEM (MEDIAN/GORE)	TRUCK-MOUNTED OR TRAILER-MOUNTED IMPACT ATTENUATOR		REMOVAL OF HMA WEARING SURFACE	CUT CONCRETE PAVEMENT	REMOVAL OF CONCRETE PAVEMENT	STRUCTURE EXCAVATION-EARTH (COMPLETE)	GRANULAR FILL	PMA S0.5	HMA S0.375	HMA S0.25	CONSTRUCT WEEP DRAINS	2" POLYVINYL CHLORIDE PIPE	CLASS "S" CONCRETE	CLASS "F" CONCRETE	UNDERWATER CONCRETE	PARTIAL DEPTH PATCH	1/2" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	1" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	DEFORMED STEEL BARS	DEFORMED STEEL BARS - EPOXY COATED	WELDED WIRE FABRIC - EPOXY COATED	DOWEL BAR SPLICER SYSTEM - EPOXY COATED	DRILLING HOLES AND GROUTING DOWELS	DEBRIS SHIELD	CLEAN AND COAT EXPOSED REINFORCING STEEL	REPOINTED MASONRY	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	DAMPPROOFING
UNIT	L.F.	L.F.	S.F.	S.F.	L.F.	L.F.	L.F.	S.F.	L.F.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	HR		S.Y.	L.F.	S.Y.	C.Y.	C.Y.	TON	TON	TON	EA.	L.F.	C.F.	C.Y.	C.Y.	C.F.	S.F.	S.F.	LB.	LB.	S.Y.	EA.	EA.	LS	L.F.	S.Y.	S.Y.	S.Y.
PROJECT: 0106-0127 BRIDGES: 00948	1275	955	27	44	163	486	2230	493	8	8	4	12	16	8	16	4	12	16	8	2	200		900	86	16	45	44	27	66	14	16	20	288	101	10	270	25	282	1300	14000	23	143	423	LS	325	296	145	36
SUBTOTAL	1275	955	27	44	163	486	2230	493	8	8	4	12	16	8	16	4	12	16	8	2	200		900	86	16	45	44	27	66	14	16	20	288	101	10	270	25	282	1300	14000	23	143	423	LS	325	296	145	36
UNASSIGNED																																																	
TOTAL	1275	955	27	44	163	486	2230	493	8	8	4	12	16	8	16	4	12	16	8	2	200		900	86	16	45	44	27	66	14	16	20	288	101	10	270	25	282	1300	14000	23	143	423	LS	325	296	145	36

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: 1/2/2019

DESIGNER/DRAFTER: **JRA**

CHECKED BY: **AML**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_106-127_EST - 1.dgn

SIGNATURE/BLOCK:

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

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 00948, ROUTE 34 OVER WEPAWAUG RIVER

TOWN: **ORANGE**

DRAWING TITLE: **DETAILED ESTIMATE SHEET - 1**

PROJECT NO. **106-127**

DRAWING NO. **G-02**

SHEET NO. **01.02**

S T R U C T U R E I T E M S

ITEM NUMBER	0755011	0819002A	0822005A	0823006A	0904136	0974001
ITEM	GEOTEXTILE (SUBSURFACE DRAINAGE- CLASS A)	PENETRATING SEALER PROTECTIVE COMPOUND	TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE)	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB(STRUCTURE)	REMOVAL OF EXISTING METAL BRIDGE RAIL	REMOVAL OF EXISTING MASONRY
UNIT	S.Y.	S.Y.	L.F.	L.F.	L.F.	C.Y.
PROJECT: 0106-0127 BRIDGEs: 00948	15	106	160	160	60	10
SUBTOTAL	15	106	160	160	60	10
UNASSIGNED						
TOTAL	15	106	160	160	60	10

ITEM NUMBER						
ITEM						
UNIT						
PROJECT: 0106-0127 BRIDGEs: 00948						
SUBTOTAL						
UNASSIGNED						
TOTAL						

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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Plotted Date: 1/2/2019

DESIGNER/DRAFTER: **JRA**

CHECKED BY: **AML**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_106-127_EST - 2.dgn

SIGNATURE/ BLOCK:

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

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 00948, ROUTE 34 OVER WEPAWAUG RIVER

TOWN: **ORANGE**

DRAWING TITLE: **DETAILED ESTIMATE SHEET - 2**

PROJECT NO. **106-127**

DRAWING NO. **G-03**

SHEET NO. **01.03**