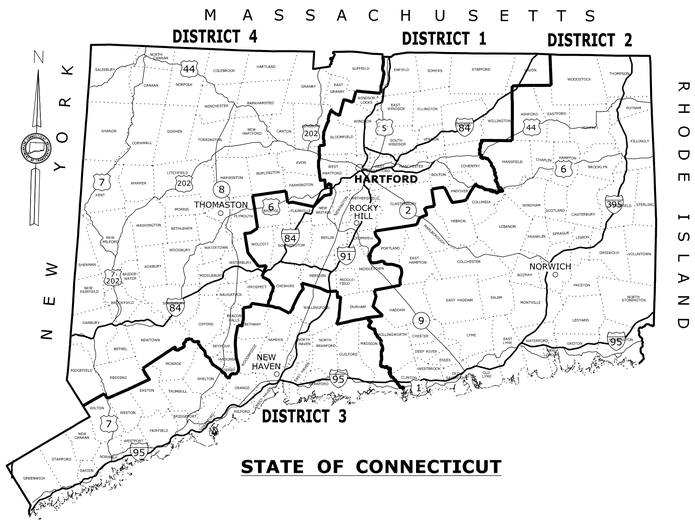
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

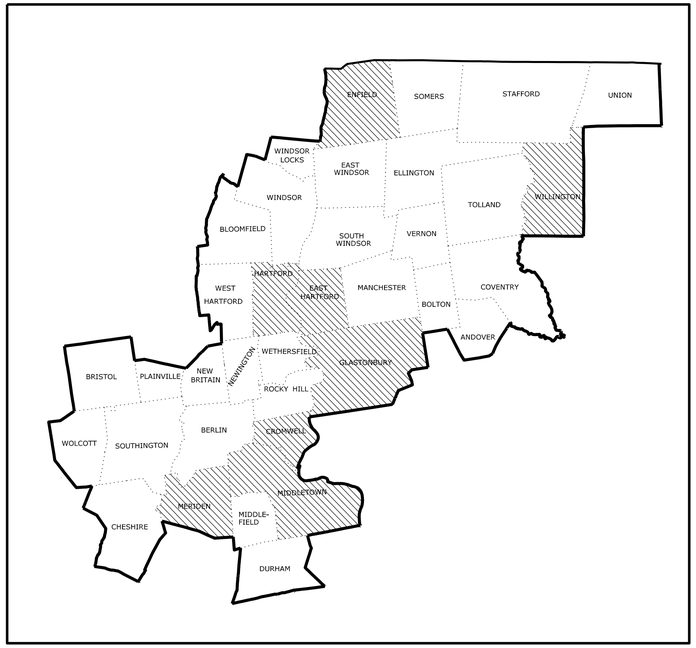
BEAM END AND BEARING REPAIRS IN DISTRICT 1



STATE OF CONNECTICUT

Town(s)/City of

CROMWELL, ENFIELD, EAST HARTFORD, GLASTONBURY, HARTFORD, MERIDEN, MIDDLETOWN, AND WILLINGTON



LOCATION PLAN

NOT TO SCALE

GENERAL NOTES:

1. FEDERAL AID PROJECT NO. 000R(769)
2. CONSTRUCTION SPECIFICATIONS:
   CONNECTICUT DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 816, DATED 2004; SUPPLEMENTAL SPECIFICATIONS, DATED JULY 2012; AND SPECIAL PROVISIONS
3. VERTICAL DATUM BASED ON NGVD 1929

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	3
02	REVISIONS	1
03	STRUCTURES	63
04	TRAFFIC	11
	CTDOT TRAFFIC STD	9
	CTDOT HIGHWAYS STD	3

*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	G-2
DETAILED ESTIMATE SHEET	G-3

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.

Rabih M. Barakat

Digitally signed by Rabih M. Barakat
DN: CN=Rabih M. Barakat, O=State of Connecticut, E=Rabih.Barakat@ct.gov, OU=Department of Transportation, OU=Division of Bridges and Facilities, OU=Bridge Design, L=Newington, S=Connecticut, C=US
Date: 2013.01.10 09:49:30-05'00'

SUBMITTED BY: TRANSPORTATION PRINCIPAL ENGINEER - BRIDGE DESIGN

Scott Hill
2013.01.10 11:13:25 -05'00'

APPROVAL RECOMMENDED BY: MANAGER OF BRIDGES AND FACILITIES

James H. Norman
2013.01.10 11:31:28-05'00'

APPROVED BY: TRANSPORTATION ENGINEERING ADMINISTRATOR - JAMES H. NORMAN P.E.

Plans For
BEAM END AND BEARING REPAIRS IN DISTRICT 1

Town(s)/City
CROMWELL, ENFIELD, EAST HARTFORD GLASTONBURY, HARTFORD, MERIDEN, MIDDLETOWN, WILLINGTON

STATE PROJECT NO.
171-359

DRAWING NO. **G-1**
SHEET NO. **01.01**

STRUCTURE ITEMS

ITEM NUMBER		0000312A	0020765A	0020903A	0503873A	0503878A	0503882A	0503883A	0503884A	0503885A	0503886A	0503888A	0503906A	0503894A	0511204A	0521003A	0601360A	0602911A	0602972A	0603050A	0603253A	0603591A	0603609A	0603661A	0603662A	0603663A	0603665A	0603666A	0603667A	0603669A	0603670A	0603671A	0603672A	0603673A	0603675A	0603677A	0603678A	0603679A	0603680A	0603729A	0603768A	0603871A	0969062A	0975002
ITEM		FURNISH AND INSTALL BIRD CONTROL SYSTEM	GUANO ABATEMENT	LEAD COMPLIANCE FOR MISCELLANEOUS EXTERIOR TASKS	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 9)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 8)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 7)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 6)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 3)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 4)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 5)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 2)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 20)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 12)	EXTEND EXISTING WEEPHOLES	BEARING REPLACEMENT WITH ELASTOMERIC BEARING PADS	REPAIR OF BEARING PAD	DRILLING HOLES AND GROUTING ANCHOR BOLTS	BOLT AND RIVET REPLACEMENT	REPAIR DEFECTIVE WELDS	DISPOSAL OF LEAD DEBRIS	STRUCTURAL STEEL-MISCELLANEOUS	REPAIR EXISTING BEARING ANCHORAGE	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 1)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 2)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 3)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 5)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 6)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 7)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 9)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 10)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 11)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 12)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 13)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 15)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 17)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 18)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 19)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL (SITE NO. 20)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL	STRUCTURAL STEEL	REMOVAL OF EXISTING STRUCTURAL STEEL	CONSTRUCTION FIELD OFFICE, MEDIUM	MOBILIZATION
UNIT		L.S.	C.F.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	EA.	EA.	EA.	EA.	EA.	L.F.	BBL.	CWT.	EA.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	S.F.	LB.	CWT.	MO.	L.S.
SITE NO.	BRIDGE NO.																																											
1	03148	L.S.	30												4		1	8	64	2	1	1		L.S.																527				
2	02366											L.S.			1	15				1	1	1			L.S.															19				
3	02369								L.S.							12	1	24			1		10			L.S.															115	38			
4	02378									L.S.						8					1																			32				
5	01275										L.S.					21					1						L.S.																		
6	01702							L.S.								7												L.S.																	
7	01703						L.S.									12													L.S.											32	365			
8	01704B					L.S.										8	3				1																			4				
9	03400A				L.S.										2	35					1		24							L.S.										5	46			
10	01831																				1										L.S.													
11	01837																															L.S.												
12	00629													L.S.		8	7				1												L.S.											
13	00630																				1													L.S.						6	12			
15	04283														2				22		1		10												L.S.						14			
17	03519																				1															L.S.				81	611	1		
18	03520														1					1	1																L.S.			46	700			
19	00638	L.S.	30																		1																	L.S.		228				
20	01469D												L.S			7					1																		L.S.		193	1			
SUBTOTAL		L.S.	60	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S	L.S.	L.S	L.S	L.S.	10	133	12	32	86	4	15	2	44	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	980	2125	40	18	L.S.
UNASSIGNED		0	0												0	0	0	0	0	0	0	0	0																	0	0	0	0	
TOTAL		L.S.	60	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S	L.S.	L.S	L.S	L.S.	10	133	12	32	86	4	15	2	44	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	980	2125	40	18	L.S.

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: 1/4/2013

DESIGNER/DRAFTER:

CHECKED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_171_359_DETAILED_ESTIMATE_SHEET_1.dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:

BRIDGE BEAM END AND BEARING REPAIR IN DISTRICT 1

TOWN: DISTRICT 1

DRAWING TITLE: DETAILED ESTIMATE SHEET

PROJECT NO. 171-359

DRAWING NO. G-2

SHEET NO. 01.02

HIGHWAY ITEM | **TRAFFIC ITEM**

ITEM NUMBER		0822001	0822002	1807010	1807011	1807012	1807013	1807014	1807100	0406287A	0406289A	0971001A	0976002	0978002	0981100	1130000	1131002A	1205207	1205214	1208928	1209114	1209124	1209126	1209128	1210101A	1210102A	1210103A	1210104A	1211001	1212001	1212002	1212003	1212006	1214002	1214003	1220013A	1806200
ITEM		TEMPORARY PRECAST CONCRETE BARRIER CURB	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 200 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 400LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 700LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 1400LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 2100LB	RELOCATION OF (TYPE A) IMPACT ATTENUATION SYSTEM	RUMBLE STRIPS-AUTOMATED	REMOVAL OF RUMBLE STRIPS	MAINTENANCE AND PROTECTION OF TRAFFIC	BARRICADE WARNING LIGHTS-HIGH INTENSITY	TRAFFIC DRUM	42" TRAFFIC CONE	HIGH MOUNTED INTERNALLY ILLUMINATED FLASH ARROW	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	TYPE DE-7 DELINEATER	TYPE DE-7A DELINEATER	SIGN FACE - SHEET ALUMINUM (TYPE III REFLECTIVE SHEETING)	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 6" WHITE	HOT-APPLIED PAINTED PAVEMENT MARKINGS 8" WHITE	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	6" WHITE EPOXY RESIN PAVEMENT MARKINGS	8" WHITE 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 -6" WHITE	TEMPORARY PLASTIC PAVEMENT MARKING TAPE -8" WHITE	6" PREFORMED BLACK LINE MASK PAVEMENT MARKING TAPE	8" PREFORMED BLACK LINE MASK PAVEMENT MARKING TAPE	CONSTRUCTION SIGNS BRIGHT FLUORESCENT SHEETING	FURNISHING AND USE OF PORTABLE IMPACT ATTENUATION SYSTEM TYPE D
UNIT		L.F.	L.F.	EA.	EA.	EA.	EA.	EA	EA	L.F.	L.F.	L.S.	DAY	EA.	EA.	DAY	DAY	EA.	EA.	S.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	S.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	S.F.	HR.
SITE NO.	BRIDGE NO.																																				
1	03148																																				
2	02366																							1300	1500	600	1800		1000	1300	300	1500	5100	300		
3	02369																							1300	1300	500	1000		1500	1300	310	750	4500	450		
4	02378																							700	700	200	1100			900	250		900	250		
5	01275									2600	2600													2600	2600	1300			2600	2600	1300		5200	1300		
6	01702																																				
7	01703																																				
8	01704B																			3																	
9	03400A																																				
10	01831																							1600	1600	800			1600	1600	800		1600	800		
11	01837																																				
12	00629																																				
13	00630																																				
15	04283																			3																	
17	03519																																				
18	03520																																				
19	00638																																				
20	01469D																																				
SUBTOTAL		1520	820	24	40	16	32	16	4	2600	2600		0	0	0	0	0	0	0	6	0	0	0	0	7500	7700	3400	3900	0	6700	7700	2960	2250	17300	3100	0	0
UNASSIGNED		89	0	0	0	0	0	0	0	0	0		5000	100	100	120	120	12	12	0	2400	2700	1100	800	400	400	200	200	2600	400	400	140	150	900	200	1000	1600
TOTAL		1609	820	24	40	16	32	16	4	2600	2600	L.S.	5000	100	100	120	120	12	12	6	2400	2700	1100	800	7900	8100	3600	4100	2600	7100	8100	3100	2400	18200	3300	1000	1600

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: 1/4/2013

DESIGNER/DRAFTER: BW

CHECKED BY: JCM

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_171_359_DETAILED_ESTIMATE_SHEET_2.dgn

SIGNATURE/ BLOCK:
OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:
BRIDGE BEAM END AND BEARING REPAIR IN DISTRICT 1

TOWN: DISTRICT 1

DRAWING TITLE: DETAILED ESTIMATE SHEET

PROJECT NO. 171-359

DRAWING NO. G-3

SHEET NO. 01.03