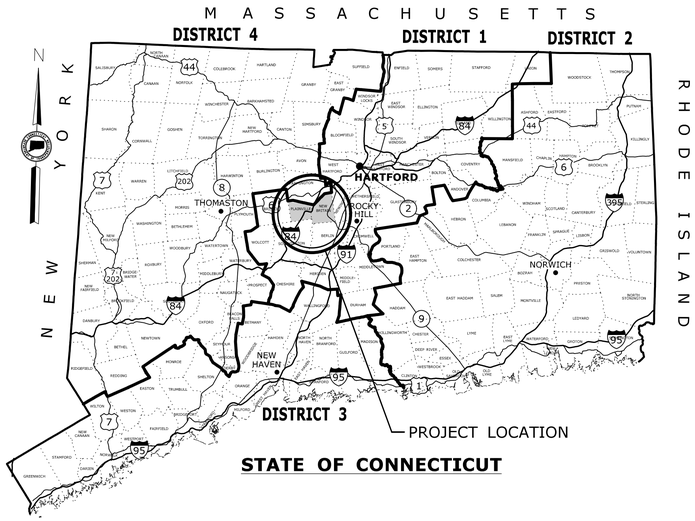
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

REHABILITATION OF BRIDGES 03311, 03312, 03313, 03320 & 03322

Towns of

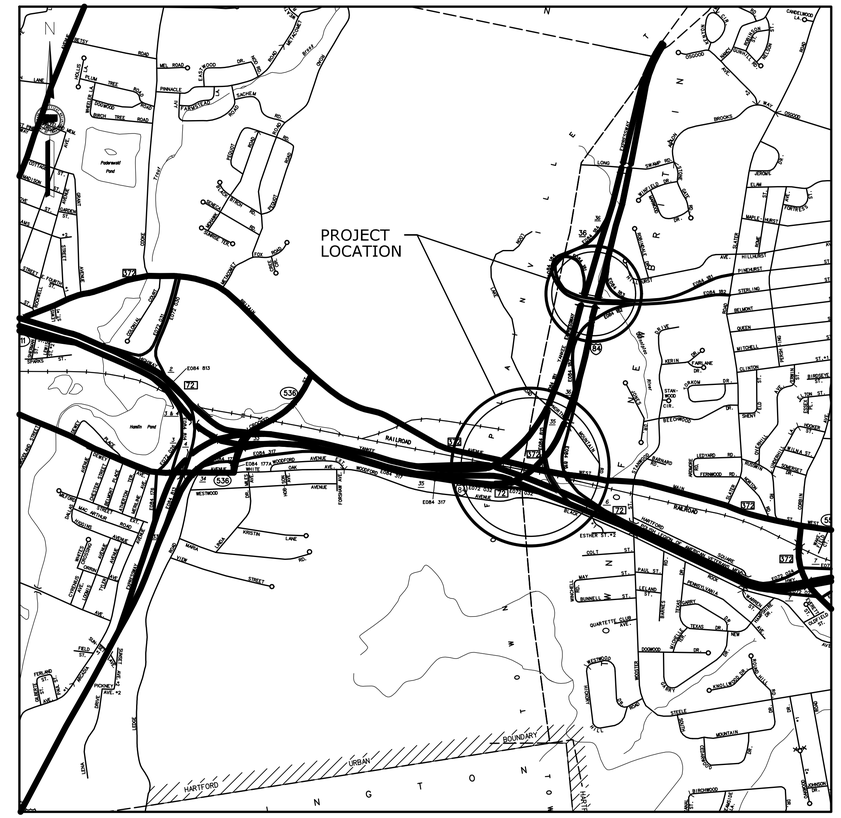
PLAINVILLE AND NEW BRITAIN



STATE OF CONNECTICUT

ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
I-84 EB	STATE	813 FEET
I-84 WB	STATE	1002 FEET
I-84 TR 815	STATE	1077 FEET
I-84 TR 816	STATE	480 FEET
I-84 RAMPS 181 & 184	STATE	537 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
0843(231)	STATE	109-0172



LOCATION PLAN

NOT TO SCALE

GENERAL NOTES:

1. 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
2. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM SYSTEM N.A.D. 1927
3. VERTICAL DATUM BASED ON N.A.V.D. OF 1988

I-84
ADT: 74,400 VPD (2014)
CONNECTICUT D.O.T. CLASSIFICATION: URBAN PRINCIPAL ARTERIAL - INTERSTATE
ASSUMED DESIGN SPEED: 65 MPH

ROUTE 72
ADT: 52,800 VPD (2014)
CONNECTICUT D.O.T. CLASSIFICATION: URBAN PRINCIPAL ARTERIAL - OTHER
ASSUMED DESIGN SPEED: 55 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	3
02	REVISIONS	1
03	HIGHWAYS	3
04	STRUCTURE	95
05	TRAFFIC	26
	HIGHWAY STANDARD SHEETS	14
	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	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
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

STATE OF CONNECTICUT
ANDREW M. LESSARD
30208
LICENSED
PROFESSIONAL ENGINEER

Andrew Lessard
2015.08.18
15:57:06-04'00'

Plans For
REHABILITATION OF BRIDGES
03311, 03312, 03313,
03320 & 03322

Towns of
PLAINVILLE
AND
NEW BRITAIN

STATE PROJECT NO.
109-0172

DRAWING NO.
G-01

SHEET NO.
01.01

Connecticut Department of Transportation
QA/QC Format Check

HIGHWAY ITEMS

ITEM NUMBER	0201001	0202529	0210100A	0219001	0406171	0406236	0406275A	0406287A	0406289A	0406303A	0603028A	0703012	0814008	0821201	0822001	0822002	0910170	0910186	0910890	0911923	0911924	0912503	0944000	0950005	0969062A	0970007A	0971001A	0975004	0976002	0977001	0978002	0979003	0980001	1130000	1131002A	1205207	1205214	1210101A	1210102A	1210103A	1210104A	1210106A	1211001	1212001	1212002	1216020A	1216022A	1220027
ITEM	CLEARING AND GRUBBING	CUT BITUMINOUS CONCRETE PAVEMENT	ANTI-TRACKING PAD	SEDIMENTATION CONTROL SYSTEM	HMA S0.5	MATERIAL FOR TACK COAT	FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")	RUMBLE STRIPS-AUTOMATED	REMOVAL OF RUMBLE STRIPS	SAWING AND SEALING JOINTS	CONTAINMENT AND OIL ABSORBENT BOOMS	MODIFIED RIPRAP	RESET GRANITE STONE TRANSITION CURBING	PRECAST CONCRETE BARRIER CURB	TEMPORARY PRECAST CONCRETE BARRIER CURB	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB	METAL BEAM RAIL (TYPE R-B 350)	R-B 350 BRIDGE ATTACHMENT - TRAILING END	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	R-B END ANCHORAGE-TYPE I	R-B END ANCHORAGE-TYPE II	REMOVE METAL BEAM RAIL	FURNISHING AND PLACING TOPSOIL	TURF ESTABLISHMENT	CONSTRUCTION FIELD OFFICE, MEDIUM	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	HIGH MOUNTED INTERNALLY ILLUMINATED FLASHING ARROW	REMOTE CONTROL CHANGEABLE MESSAGE SIGN	TYPE DE-7 DELINEATOR	TYPE DE-7A DELINEATOR	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	6" WHITE EPOXY RESIN PAVEMENT MARKINGS	8" WHITE EPOXY RESIN PAVEMENT MARKINGS	12" WHITE EPOXY RESIN PAVEMENT MARKINGS	REMOVAL OF PAVEMENT MARKINGS	TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" YELLOW	TEMPORARY PLASTIC PAVEMENT MARKING TAPE - 4" WHITE	6" BLACK AGGREGATE COVER-UP RESIN PAVEMENT MARKINGS	10" BLACK AGGREGATE COVER-UP RESIN PAVEMENT MARKINGS	CONSTRUCTION SIGNS
UNIT	LS	L.F.	S.Y.	L.F.	TON	GAL	S.Y.	L.F.	L.F.	L.F.	LS	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	EA.	EA.	L.F.	S.Y.	S.Y.	MO.	HR	LS	LS	DAY	EA.	EA.	EA.	LS	DAY	DAY	EA.	EA.	L.F.	L.F.	L.F.	L.F.	L.F.	S.F.	L.F.	L.F.	L.F.	L.F.	S.F.
PROJECT: 109-172	LS	416	650	1160	292	252	2515	6910	6910	630	LS	5	17	20	9570	13720	595	1	7	1	1	140	2835	2835	21	320	LS	LS	3100	100	325	34	LS	130	2440	209	176	4446	4446	910	1350	690	1105	41830	89360	51085	1800	1953
SUBTOTAL	LS	416	650	1160	292	252	2515	6910	6910	630	LS	5	17	20	9570	13720	595	1	7	1	1	140	2835	2835	21	320	LS	LS	3100	100	325	34	LS	130	2440	209	176	4446	4446	910	1350	690	1105	41830	89360	51085	1800	1953
UNASSIGNED																																																
TOTAL	LS	416	650	1160	292	252	2515	6910	6910	630	LS	5	17	20	9570	13720	595	1	7	1	1	140	2835	2835	21	320	LS	LS	3100	100	325	34	LS	130	2440	209	176	4446	4446	910	1350	690	1105	41830	89360	51085	1800	1953

HIGHWAY ITEMS / STRUCTURE ITEMS

ITEM NUMBER	1806200	1807010	1807011	1807012	1807013	1807014	1807105	1807106	1807107	1807108	1807109		0202903A	0202904A	0406171	0406173	0406277A	0503030A	0503884A	0503885A	0503887A	0503888A	0503904A	0511204A	0511801A	0520036A	0521003A	0522179A	0522178A	0601039A	0601044A	0601073A	0601097A	0601192A	0601201	0601251A	0601270A	0601318A	0601502	0601504	0601509A	0602000	0602006	0602910A	0603050A	0603081A	0603082A	0603083A
ITEM	FURNISHING AND USE OF PORTABLE IMPACT ATTENUATION SYSTEM 1.TYPE D-1 -THE CONTRACTOR	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 200 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 400 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 700 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 1400 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 2100 LB	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (1400 LB.)	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (2100 LB)	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (200 LB.)	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (400 LB)	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE (700 LB)		LEAD COMPLIANCE FOR MISCELLANEOUS EXTERIOR TASKS	LEAD COMPLIANCE FOR ABRASIVE BLAST CLEANING	HMA S0.5	HMA S0.25	REMOVAL OF EXISTING WEARING SURFACE	REMOVAL OF BRIDGE DECK CONCRETE	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 3)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 4)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 1)	JACKING EXISTING SUPERSTRUCTURE (SITE NO. 2)	JACKING FOR BEARING REPLACEMENT	EXTEND EXISTING WEEPHOLES	BRIDGE SCUPPER-FIBERGLASS HOPPER	ASPHALTIC PLUG EXPANSION JOINT SYSTEM	BEARING REPLACEMENT WITH ELASTOMERIC BEARING PADS	CLEAN AND LUBRICATE EXISTING BEARINGS	CONSTRUCT CONCRETE KEEPER BLOCKS	MODIFY BRIDGE PARAPET	BRIDGE PARAPET CAP	CLASS "S" CONCRETE	VARIABLE DEPTH PATCH	SURFACE PATCH	CLASS "F" CONCRETE	REPAIR TO EXISTING PIERS	FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE)	PARTIAL DEPTH PATCH	1/2" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	1" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	REMOVE CONCRETE HEADERS	DEFORMED STEEL BARS	DEFORMED STEEL BARS - EPOXY COATED	DRILLING HOLES AND GROUTING DOWELS	REPAIR DEFECTIVE WELDS	STRUCTURAL STEEL REPAIRS (SITE NO. 1)	STRUCTURAL STEEL REPAIRS (SITE NO. 2)	STRUCTURAL STEEL REPAIRS (SITE NO. 3)
UNIT	HR	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.		LS	LS	TON	TON	S.Y.	C.Y.	LS	LS	LS	LS	EA.	EA.	EA.	C.F.	EA.	EA.	EA.	L.F.	L.F.	C.F.	C.F.	S.F.	C.Y.	C.F.	C.Y.	C.F.	S.F.	S.F.	L.F.	LB.	LB.	EA.	L.F.	CWT.	CWT.	CWT.
PROJECT: 109-172	2000	20	10	30	40	20	56	28	28	14	42		LS	LS	1903	951	15736	7	LS	LS	LS	LS	16	20	5	678	16	1	2	850	5521	787	524	13065	9	800	241	5598	55	15	915	300	2500	629	125	199	119	104
SUBTOTAL	2000	20	10	30	40	20	56	28	28	14	42		LS	LS	1903	951	15736	7	LS	LS	LS	LS	16	20	5	678	16	1	2	850	5521	787	524	13065	9	800	241	5598	55	15	915	300	2500	629	125	199	119	104
UNASSIGNED																																																
TOTAL	2000	20	10	30	40	20	56	28	28	14	42		LS	LS	1903	951	15736	7	LS	LS	LS	LS	16	20	5	678	16	1	2	850	5521	787	524	13065	9	800	241	5598	55	15	915	300	2500	629	125	199	119	104

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: 8/18/2015

DESIGNER/DRAFTER: **JRA**

CHECKED BY: **AML**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_109-172_EST - 1.dgn

SIGNATURE/BLOCK:

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

PROJECT TITLE:
REHABILITATION OF BRIDGES 03311, 03312, 03313 03320 & 03322

TOWN:
PLAINVILLE & NEW BRITAIN

DRAWING TITLE:
DETAILED ESTIMATE SHEET - 1

PROJECT NO. **109-172**

DRAWING NO. **G-02**

SHEET NO. **01.02**

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

ITEM NUMBER	0603084A	0603085A	0603222A	0603325A	0603352A	0603479A	0603480A	0603481A	0603482A	0603483A	0603563A	0603564A	0603714A	0603715A	0603729A	0707009A	0974001	0974105A
ITEM	STRUCTURAL STEEL REPAIRS (SITE NO. 4)	STRUCTURAL STEEL REPAIRS (SITE NO. 5)	DISPOSAL OF LEAD DEBRIS FROM ABRASIVE BLAST CLEANING	CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 5)	TEMPORARY SUPPORT ASSEMBLY	ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 1)	ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 2)	ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 3)	ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 4)	ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 5)	CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 1)	CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 2)	CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 3)	CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 4)	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL	MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	REMOVAL OF EXISTING MASONRY	CONCRETE HAUNCH REMOVAL
UNIT	CWT.	CWT.	TON	LS	EA.	LS	LS	LS	LS	LS	LS	LS	LS	LS	S.F.	S.Y.	C.Y.	L.F.
PROJECT: 109-172	15	12	20	LS	18	LS	LS	LS	LS	LS	LS	LS	LS	LS	400	15736	5	13760
SUBTOTAL	15	12	20	LS	18	LS	LS	LS	LS	LS	LS	LS	LS	LS	400	15736	5	13760
UNASSIGNED																		
TOTAL	15	12	20	LS	18	LS	LS	LS	LS	LS	LS	LS	LS	LS	400	15736	5	13760

ITEM NUMBER																		
ITEM																		
UNIT																		
PROJECT: 109-172																		
SUBTOTAL																		
UNASSIGNED																		
TOTAL																		

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 8/18/2015

DESIGNER/DRAFTER: **JRA**

CHECKED BY: **AML**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_109-172_EST - 2.dgn

SIGNATURE/ BLOCK:

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

PROJECT TITLE:

REHABILITATION OF BRIDGES
03311, 03312, 03313
03320 & 03322

TOWN: **PLAINVILLE & NEW BRITAIN**

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

PROJECT NO. **109-172**

DRAWING NO. **G-03**

SHEET NO. **01.03**