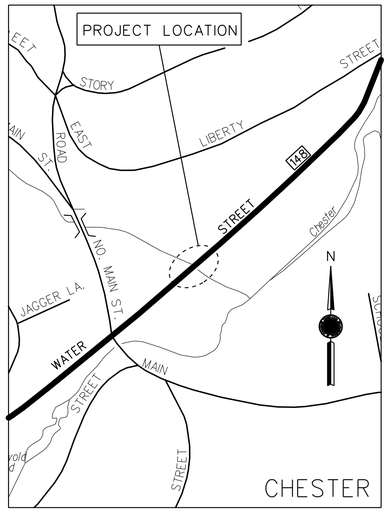


LOCATION PLAN

300m 150m 0

METRIC SCALE

CONNECTICUT DEPARTMENT OF TRANSPORTATION PLAN

FOR THE

REPLACEMENT OF BRIDGE NO. 02695
ROUTE 148 OVER GREAT BROOK

IN THE TOWN OF

CHESTER

FROM STA. 1+055 TO STA. 1+225

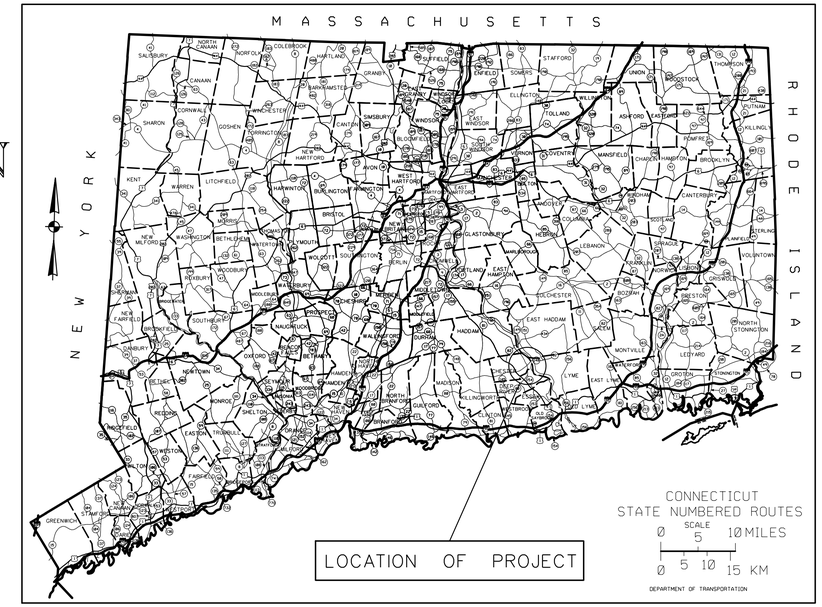
STATE PROJECT NO. 26-118, F.A.P. NO. 1026(104)

LENGTH 170 m

DESIGN SCALES
- PLAN 1:250
- PROFILE 1:250 (HORIZ.), 1:25 (VERT.)
- CROSS SECTIONS 1:50

OTHER SCALES AS NOTED

TO BE MAINTAINED BY STATE OF CONNECTICUT



2004 SPECIFICATIONS, FORM 816 INCLUDING SUPPLEMENT THERETO DATED JULY 2010 GOVERN ALL ELEVATIONS ON THIS PROJECT BASED ON N.G.V.D. OF 1929

TOWN NO. 26

PROJECT NO. 118

LIST OF SUBSETS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	2
02	REVISIONS	1
03	HIGHWAY	19
04	TRAFFIC	7
05	LANDSCAPE	1
06	STRUCTURE	12
	HIGHWAY STANDARD SHEETS	
	TRAFFIC ENGINEERING STANDARD SHEETS	

LIST OF DRAWINGS
SUBSET 01 - GENERAL

DRAWING TITLE	DRAWING NO.
TITLE SHEET	TSH-01
DETAILED ESTIMATE SHEET	EST-01

DISCLAIMER

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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
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Water Edge
Stream
Ditch
TOWN LINE

Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Highway Line
Street Line
Property Line
Lot Line
Easement Line

DESIGN BY:
CLOSE JENSEN & MILLER, P.C.

STATE OF CONNECTICUT NO. 4142 LICENSED PROFESSIONAL ENGINEER

John Miller, P.E.
2011.08.10
15:51:14 -04'00'

METRIC PROJECT

F.HW.A. REGION NO.	STATE	TOWN(S)	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.
1	CONN.	CHESTER	1026(104)	26-118	2011	148	01.01

HIGHWAY ITEMS

ITEM NUMBER	0201001	0202002	0202202	0202529	0202531	0205001	0205002	0205003	0205005	0209001	0220002	0213002	0219001	0304002	0406170	0406171	0406236	0507006	0507026	0507056	0507148	0507601	0513007	0513009	0601068A	0651001	0651011	0651013	0651393	0652009	0652011	0653001	0653100	0701012	0810001	0815001	0822001	0909530A	0910169	0910623	0910624	0912503	0912605	0924001A	0922501	0922503A	0923401A	0939001
ITEM	CLEARING AND GRUBBING	EARTH EXCAVATION	CHANNEL EXCAVATION - EARTH	CUT BITUMINOUS CONCRETE PAVEMENT	REMOVAL OF BITUMINOUS CONCRETE	TRENCH EXCAVATION 0-1.2 M DEEP	ROCK IN TRENCH EXCAVATION 0-1.2 M DEEP	TRENCH EXCAVATION 0-3 M DEEP	TRENCH EXCAVATION 0-4.5 M DEEP	FORMATION OF SUBGRADE	SUBBASE	GRANULAR FILL	SEDIMENTATION CONTROL SYSTEM	PROCESSED AGGREGATE BASE	HMA S1	HMA S0.5	MATERIAL FOR TACK COAT	TYPE "C" CATCH BASIN TOP	TYPE "C" CATCH BASIN (1.2M SUMP)	TYPE "C" CATCH BASIN GRATE TYPE 6 (1.2M SUMP)	TYPE "C-1" CATCH BASIN (1.0M SUMP)	MANHOLE	100 MM POLYVINYL CHLORIDE PLASTIC PIPE	150 MM POLYVINYL CHLORIDE PLASTIC PIPE	CONCRETE STAIRS	BEDDING MATERIAL	300 MM R.C. PIPE	450 MM R.C. PIPE	300 MM X 450 MM A.C.C.M. PIPE-ARCH	300 MM R.C. CULVERT END	450 MM R.C. CULVERT END	CLEAN EXISTING CATCH BASIN	CLEAN EXISTING CULVERT (300 MM TO 1050 MM DIAMETER)	MODIFIED RIPRAP	CONCRETE CURBING	BITUMINOUS CONCRETE LIP CURB	TEMPORARY PRECAST CONCRETE BARRIER CURB	TIMBER GUIDE RAIL	METAL BEAM RAIL (TYPE R-B 350 SYSTEM 6)	R-B END ANCHORAGE TYPE I	R-B END ANCHORAGE TYPE II	REMOVE METAL BEAM RAIL	RESET METAL BEAM RAIL (TYPE R-B 350)	CONCRETE SIDEWALK	BITUMINOUS CONCRETE DRIVEWAY	GRAVEL DRIVEWAY	RELAY BRICK WALK	SWEEPING FOR DUST CONTROL
UNIT	L.S.	C.M.	C.M.	M.	SQ.M.	C.M.	C.M.	C.M.	C.M.	SQ.M.	C.M.	C.M.	M.	C.M.	TON	TON	L.	EA.	EA.	EA.	EA.	EA.	M.	M.	L.S.	C.M.	M.	M.	M.	EA.	EA.	EA.	M.	C.M.	M.	M.	M.	M.	M.	EA.	EA.	M.	M.	SQ.M.	SQ.M.	SQ.M.	SQ.M.	HR.
SUBTOTAL	L.S.	770	300	110	135	60	3	791	26	1560	390	35	320	11	594	302	850	2	1	2	1	2	15	2	L.S.	10	15	38	4	1	1	1	42	85	63	175	43	40	25	1	1	40	16	220	545	48	3	160
UNASSIGNED																																																	
TOTAL	L.S.	770	300	110	135	60	3	791	26	1560	390	35	320	11	594	302	850	2	1	2	1	2	15	2	L.S.	10	15	38	4	1	1	1	42	85	63	175	43	40	25	1	1	40	16	220	545	48	3	160

HIGHWAY ITEMS / STRUCTURE ITEMS

ITEM NUMBER	0943001	0944002	0948000	0948065	0948068	0948098	0949361	0949212	0949324	0949977	0950005	0952035A	0969062A	0971001A	0975002	0976002	0977001	0978002	0979003A	0980001A	0206023A	0208928	0210101	0210102	0220101A					0202901A	0203202	0204001	0204151A	0213012	0216002	0403633A	0503890A	0600023	0600191A	0601056	0601138A	0602002	0602910A	0707001A	0708001	0714050A	0723032	0904049A
ITEM	WATER FOR DUST CONTROL	FURNISHING AND PLACING TOPSOIL	WOOD CHIP MULCH	CLETHRA ALNIFOLIA, SUMMERSWEET 460MM-610MM HT. B.B.	COMPTONIA PEREGRINA, SWEET FERN 305MM-305MM HT. B.B.	CORNUS SERICEA, RED OSIER DOGWOOD 460MM-610MM HT. CONT.	ILEX GLABRA, "COMPACTA" COMPACT INKBERRY 460MM-610MM HT. B.B.	ARONIA MELANOCARPA, BLACK CHOKEBERRY 460MM-610MM HT. B.B.	LINDERA BENZOIN, COMMON SPICEBUSH 460MM-610MM HT. B.B.	QUERCUS PALUSTRIS, PIN OAK 45MM-50MM CAL. B.B.	TURF ESTABLISHMENT	CONTROL AND REMOVAL OF INVASIVE VEGETATION	CONSTRUCTION FIELD OFFICE, MEDIUM	MAINTENANCE AND PROTECTION OF TRAFFIC	MOBILIZATION	BARRICADE WARNING LIGHTS HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE TYPE III	CONSTRUCTION STAKING	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE-SHEET ALUMINUM (TYPE III REFLECTIVE SHEETING)	100 MM WHITE EPOXY RESIN PAVEMENT MARKINGS	100 MM YELLOW EPOXY RESIN PAVEMENT MARKINGS	CONSTRUCTION SIGNS TYPE III REFLECTIVE SHEETING					CONDITION SURVEY (SITE NO. 1)	STRUCTURE EXCAVATION-EARTH (EXCLUDING COFFERDAM AND DEWATERING)	COFFERDAM AND DEWATERING	HANDLING WATER	GRANULAR FILL	PERVIOUS STRUCTURE BACKFILL	SAWING AND SEALING JOINTS	REMOVAL OF EXISTING BRIDGE	CLASS "A" CONCRETE	SIMULATED STONE MASONRY	3600 MM X 1500 MM PRECAST CONCRETE BOX CULVERT	3600 MM X 2100 MM PRECAST CONCRETE BOX CULVERT	DEFORMED STEEL BARS	DRILLING HOLES AND GROUTING DOWELS	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	DAMPROOFING	TEMPORARY EARTH RETAINING SYSTEM	BAGGED STONE	TWO-TUBE BRIDGE RAIL
UNIT	KL.	SQ.M.	SQ.M.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	SQ.M.	SQ.M.	MO.	L.S.	L.S.	DAY	EA.	EA.	EA.	L.S.	L.S.	SQ.M.	M.	M.	SQ.M.					L.S.	C.M.	M.	L.S.	C.M.	C.M.	M.	L.S.	C.M.	SQ.M.	M.	M.	KG.	EA.	SQ.M.	SQ.M.	SQ.M.	BAG	M.
SUBTOTAL	2000	1060	145	10	15	13	10	7	20	8	1060	900	8	L.S.	L.S.	500	40	40	12	L.S.	L.S.	4	360	360	32					L.S.	1100	160	L.S.	240	345	25	L.S.	124	165	22	22	5600	58	190	90	8	48	23
UNASSIGNED																																																	
TOTAL	2000	1060	145	10	15	13	10	7	20	8	1060	900	8	L.S.	L.S.	500	40	40	12	L.S.	L.S.	4	360	360	32					L.S.	1100	160	L.S.	240	345	25	L.S.	124	165	22	22	5600	58	190	90	8	48	23

P = FEDERAL AID PARTICIPATING
NP= FEDERAL AID NON PARTICIPATING
=FOR INTERNAL USE ONLY
NOT A LEGAL DEFINITION

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: 8/10/2011

DESIGNER/DRAFTER: RF
CHECKED BY: WS

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\02695\Hgwy\Est\EST-01.dgn

SIGNATURE/BLOCK:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02695 ROUTE 148 OVER GREAT BROOK

TOWN: **CHESTER**

DRAWING TITLE: **DETAILED ESTIMATE SHEET**

PROJECT NO. 26-118
DRAWING NO. EST-01
SHEET NO. 01.02