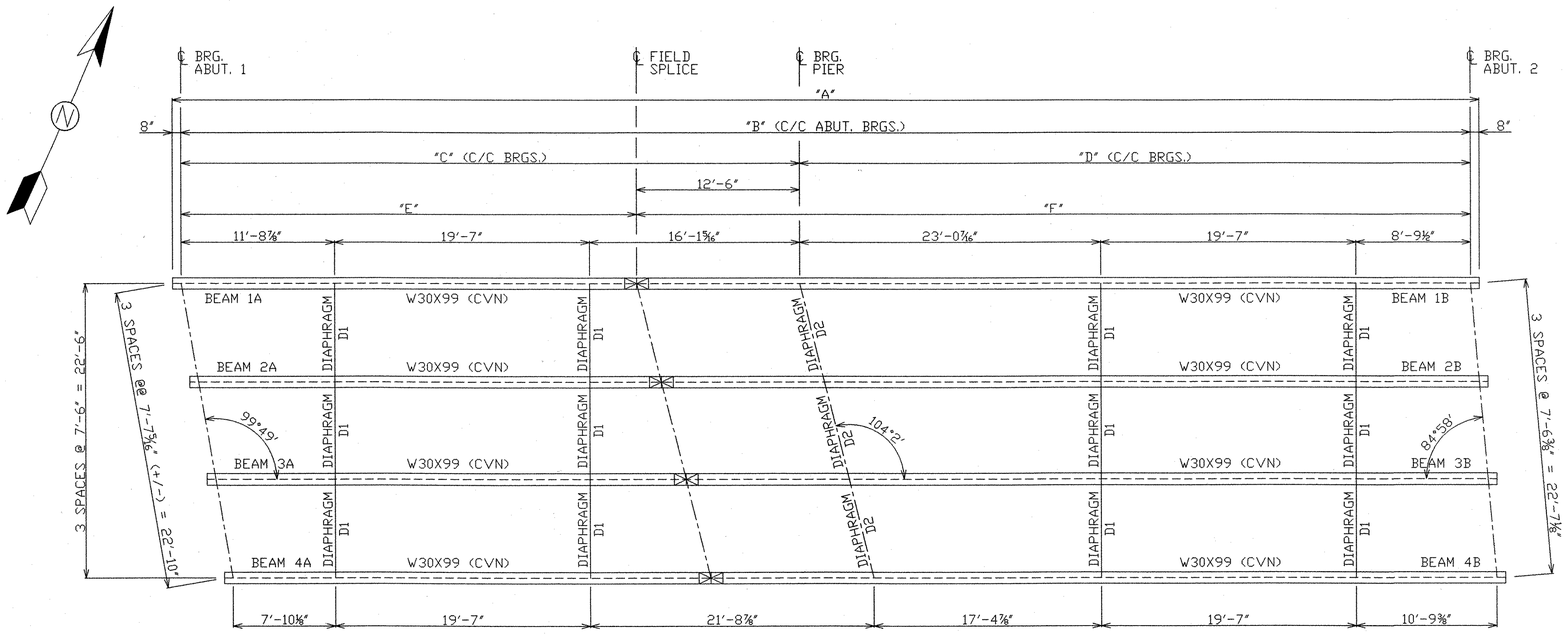
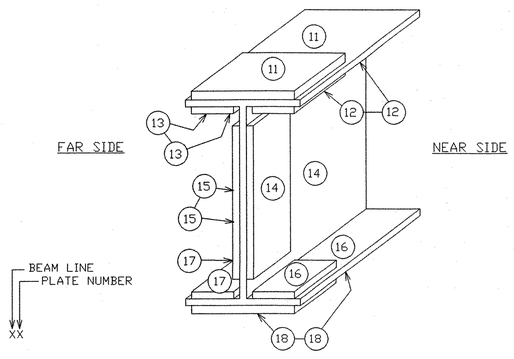


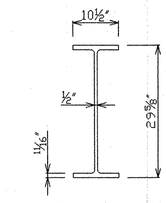
FRAMING PLAN

BEAM LINE	DIMENSION					
	"A"	"B"	"C"	"D"	"E"	"F"
1	100'-2⅛"	98'-10⅛"	47'-5³⁄₁₆"	51'-4¹⁵⁄₁₆"	34'-11³⁄₁₆"	63'-10¹⁵⁄₁₆"
2	99'-6½"	98'-2½"	48'-0⅛"	50'-2⅜"	35'-6⅛"	62'-8⅜"
3	98'-10⅞"	97'-6⅞"	48'-7⅛"	48'-11¹³⁄₁₆"	36'-1⅛"	61'-5¹³⁄₁₆"
4	98'-3¼"	96'-11¼"	49'-2"	47'-9¼"	36'-8"	60'-3¼"



MATCH MARKING FOR BEAM LINE 1

(SIMILAR FOR ALL OTHER SPLICES)



TYPICAL BEAM SECTION

W30X99

NOTE: DRAWINGS RELATIVE DO NOT SCALE

MATERIAL SCHEDULE

QUANTITY	DESCRIPTION	WEIGHT (LBS)
1 PC	BEAM 1A - W30X99 @ 35'-7 3/16" (CVN)	3524.3
1 PC	BEAM 1B - W30X99 @ 64'-6 15/16" (CVN)	6393.2
1 PC	BEAM 2A - W30X99 @ 36'-2 1/8" (CVN)	3581.5
1 PC	BEAM 2B - W30X99 @ 63'-4 3/8" (CVN)	6273.1
1 PC	BEAM 3A - W30X99 @ 36'-9 1/16" (CVN)	3638.8
1 PC	BEAM 3B - W30X99 @ 62'-1 13/16" (CVN)	6153.0
1 PC	BEAM 4A - W30X99 @ 37'-4" (CVN)	3696.0
1 PC	BEAM 4B - W30X99 @ 60'-11 1/4" (CVN)	6032.8
8 PCS	WEB PLATE - PL 1/2" X 13" X 27" (CVN)	397.8
8 PCS	OUTSIDE FLANGE PLATE - PL 1/2" X 10" X 26" (CVN)	294.7
16 PCS	INSIDE FLANGE PLATE - PL 1/2" X 4" X 26" (CVN)	235.7
4 PCS	DRIP PLATE - PL 1/4" X 2 3/4" X 8"	6.2
12 PCS	DIAPHRAGM D1 - C15X33.9 @ 7'-1 1/2"	2898.5
3 PCS	DIAPHRAGM D2 - MC18X42.7 @ 7'-4 3/8"	943.4
12 PCS	STIFFENER A - PL 1/2" X 5" X 28 1/4"	240.1
3 PCS	STIFFENER B - PL 1/2" X 5" X 28 1/4"	60.0
3 PCS	STIFFENER C - PL 1/2" X 5" X 28 1/4"	60.0
3 PCS	STIFFENER D - PL 1/2" X 5" X 28 1/4"	60.0
3 PCS	STIFFENER E - PL 1/2" X 5" X 28 1/4"	60.0
3 PCS	STIFFENER F - PL 1/2" X 8" X 28 1/4"	96.1
2 PCS	STIFFENER G - PL 1/2" X 8" X 28 1/4"	64.0
1 PC	STIFFENER H - PL 1/2" X 8" X 28 1/4"	32.0
156 PCS	7/8"Ø X 2 1/4" A325 BOLT W/ NUT & WASHER	151.8
144 PCS	7/8"Ø X 2 3/4" A325 BOLT W/ NUT & WASHER	152.4
128 PCS	7/8"Ø X 3" A325 BOLT W/ NUT & WASHER	140.8
	TOTAL	45186.2 LBS

NOTES:

ALL STEEL SHALL BE AASHTO M270 GRADE 50W (ASTM A709) UNLESS NOTED.

BEAMS AND SPLICE PLATES SHALL MEET CHARPY V-NOTCH REQUIREMENTS PER SUBSECTION 714.01 OF THE STANDARD SPECIFICATIONS (15 FT-LBS @ 40°F).

BEAM HOLES SHALL BE DRILLED FULL SIZE IN ASSEMBLY USING A TEMPLATE AND ROTO-BROACH, SHELL DRILL OR OTHER SIMILAR TOOL.

STRUCTURAL BOLTS SHALL BE 7/8" DIA. AASHTO M164 (ASTM A325) TYPE III WEATHERING UNLESS NOTED.

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION, 2001 STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 2002, AND ITS LATEST REVISIONS.

CAMBER TOLERANCE: -0 TO +3/4"

STAMP HEAT NUMBERS ON BEAMS LEFT SIDE, NEAR SIDE OF WEB.

STEEL STAMPS FOR MARKING SHALL BE OF THE STRESSLESS TYPE.

ALL STEEL SHALL BE CLEANED TO SSPC-SP6 COMMERCIAL BLAST.

ALL ASTM A709 GRADE 50 STEEL IS TO BE LEFT UNPAINTED.

ALL WELDING PERFORMED IN COMPLIANCE WITH AMERICAN WELDING SOCIETY SPECIFICATIONS, ANSI/AASHTO/AWS D1.5.

BRIDGE LENGTH FIELD VERIFIED BY CONTRACTOR _____. Verification must be prior to fabrication. Plans must be resubmitted if any dimensions change.

RECEIVED
CK'D BY [illegible] OK'D BY [illegible]
JAN 03 2005
RESUBMIT ____ APPROVED As noted
BY DATE

FRAMING PLAN
PROJECT NO. TH2-9625

US BRIDGE
201 WHEELING AVE.
P.O. BOX 757
CAMBRIDGE, OHIO 43725

NO.	DATE	REVISIONS	BY
1	12/13/04	AS PER REVIEW	PAB

FABRICATION DRAWING — ITEM 506.50
BEAM BRIDGE — BRIDGE NO. 46
TOWN OF NORWICH — TOWN HIGHWAY 3
WINDSOR COUNTY, VERMONT — OVER OMPOMPANOOSUC RIVER

DESIGN	DRAWN	DATE	DRAWING NO.	SHEET
	P.BAKER	OCT. 12, 2004	NORWICH	1 OF 5
CHECK/DATE J.HOFFMAN 10/14/04	FABRICATOR US BRIDGE			