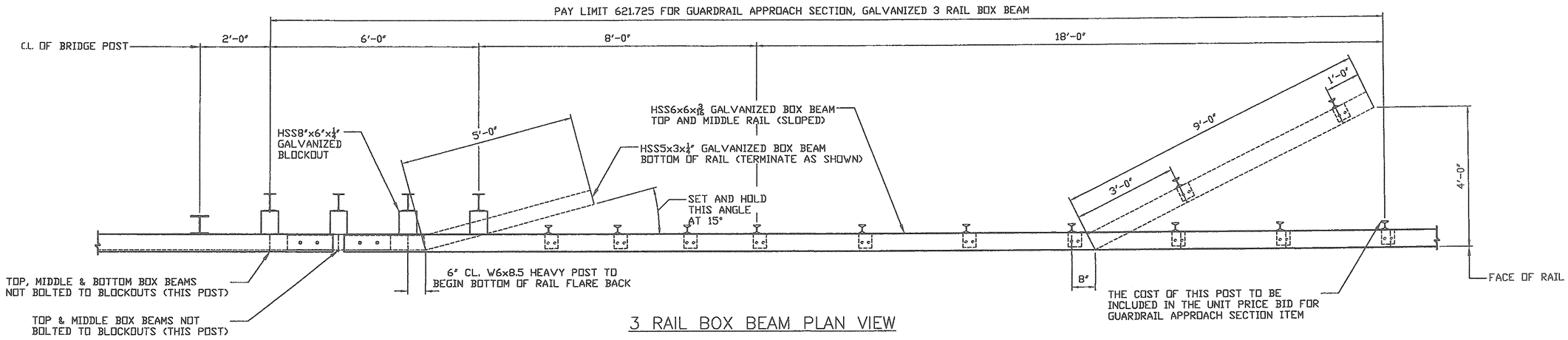
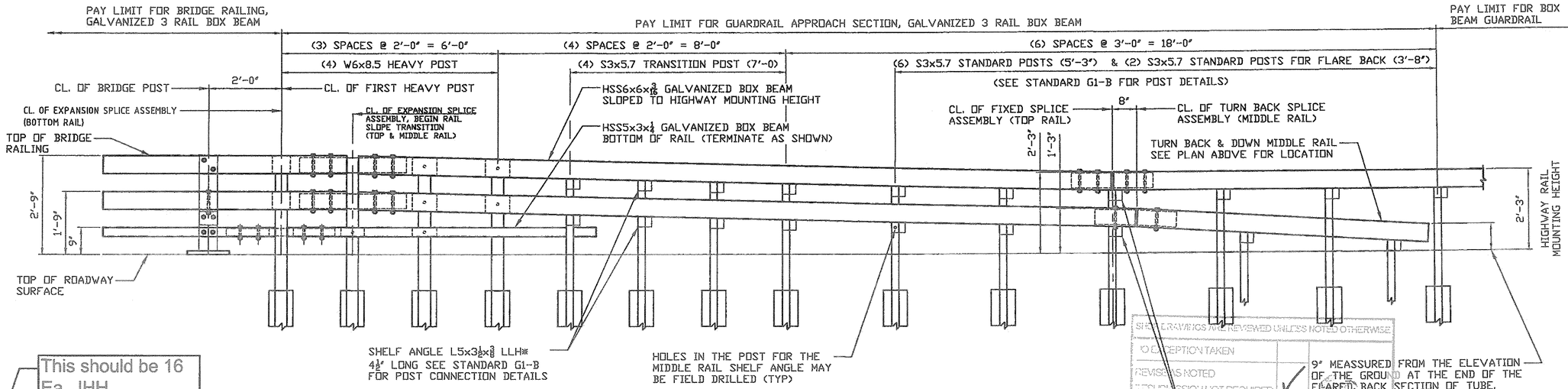


3 RAIL BOX BEAM PLAN VIEW



3 RAIL BOX BEAM ELEVATION

SE CORNER SHOWN/SW SIMILAR BUT OPPOSITE HAND
SEE SHEET 3 OF 6 FOR LAYOUT OF NW CORNER
SEE SHEET 4 OF 6 FOR LAYOUT OF NE CORNER

This should be 16 Ea. JHH.

BILL OF MATERIAL – APPROACH (4 TOTAL)

Qty	mk	Description	Spec.
4		6 X 6 BM BM TOP @ 20'-9.5" EXP	A500 gr B
4		6 X 6 BM BM BOTT @ 21'-5" EXP	A500 gr B
16		W6 X 8.5 POST @ 7'-0" W/SPADE	A992/A709 GR.50
12		3" I POST @ 7'-0" W/2'-8" SPADE	A36
24		3" I POST @ 5'-3" W/SPADE STD	A36
8		3" I POST @ 3'-11" W/SPADE	A36
32		TUBE BLOCKOUT 6" X 8" X 6" LONG	A500 gr B
8		TUBE BLOCKOUT 6" X 8" X 3" LONG	A500 gr B
4		9' BX BM TRANS FLAREBACK END	A500 gr B
4		5 X 5 DOUBLE BEND SPLICE TUBE	A500 gr B
4		5 X 5 FIXED TUBE SPLICE 27"	A500 gr B
8		5 X 5 EXP TUBE SPLICE 36"	A500 gr B
68		BOX BEAM CLIP ANGLE STD	A36
4		BOX BEAM END ANGLE STD	A36
32		3/4 X 8 CARR BOLT - N FW LW (2 per heavy post)	A307
4		3/4 X 8 HEX BOLT - N 2FW (1 per 9'-0" flareback)	A307
72		1/2 X 1 1/2 HEX BOLT - N FW (1 per shelf / end angle)	A307
80		1/2 X 1 1/2 HEX BOLT - N 2FW LW (2 per tube block)	A307
72		3/8 X 7 1/2 HEX BOLT - N 2FW (1 per shelf angle)	A307
48		3/4 x 7 1/2 HEX BOLT W/ HN & 2 FW (A325) (4 per 6x6 splice)	A325
8		3/4 x 7 1/2 HEX BOLT W/HN & 2 FW & LW (A325) (2 per angled turnback splice)	A325
4		RETROREFLECTIVE DELINEATOR with fastening hardware (provided by others)	

Vermont Agency of Transportation
RECEIVED
ON: March 20, 2014
and Checked for
CONFORMANCE
BY: Rob Young DATE: 03/26/2014

SHOP DRAWINGS ARE REVIEWED UNLESS NOTED OTHERWISE.
NO EXCEPTION TAKEN
REVISE AS NOTED
RESUBMISSION NOT REQUIRED ✓
REVISE AS NOTED
RESUBMISSION REQUIRED
REJECTED
BOX BEAM TO RAIL SUPPORT ANGLE CONNECTION NOT REQUIRED (THIS POST), POST TO ANGLE CONNECTION IS REQUIRED
DATE 3/26/2014
SIGNATURE
REVIEW BY VANTEC IS FOR THE SOLE PURPOSE OF ASCERTAINING GENERAL CONFORMITY WITH DESIGN. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS, FABRICATION AND CONSTRUCTION METHODS. COORDINATION OF SUB TRADES. DETAIL DESIGN OF COMPONENTS, AND ERRORS OR OMISSIONS ON SHOP DRAWINGS.

9" MEASURED FROM THE ELEVATION OF THE GROUND AT THE END OF THE FLARED BACK SECTION OF TUBE.

ITEM 621.725 GUARDRAIL APPR. SECTION 3 RAIL = 4 EA.

HIGHWAY SAFETY CORP
GLASTONBURY, CT
860-633-9445

ITEM 621.725 APPROACH SECTION
TOWN OF ENOSBURG
COUNTY OF FRANKLIN
BOSTON POST ROAD T.H.2 CLASS 2
BRIDGE NO. 48
PROJECT NO. BRO 1448 (40)

AISC CERTIFIED FABRICATOR

HSC JOB NO. 1976
SHEET NO. 2 of 6

GENERAL CONTRACTOR
SUB CONTRACTOR LAFAYETTE
DRAWN BJB | CHECKED | DATE 3-4-14 | SCALE NONE | SIZE