

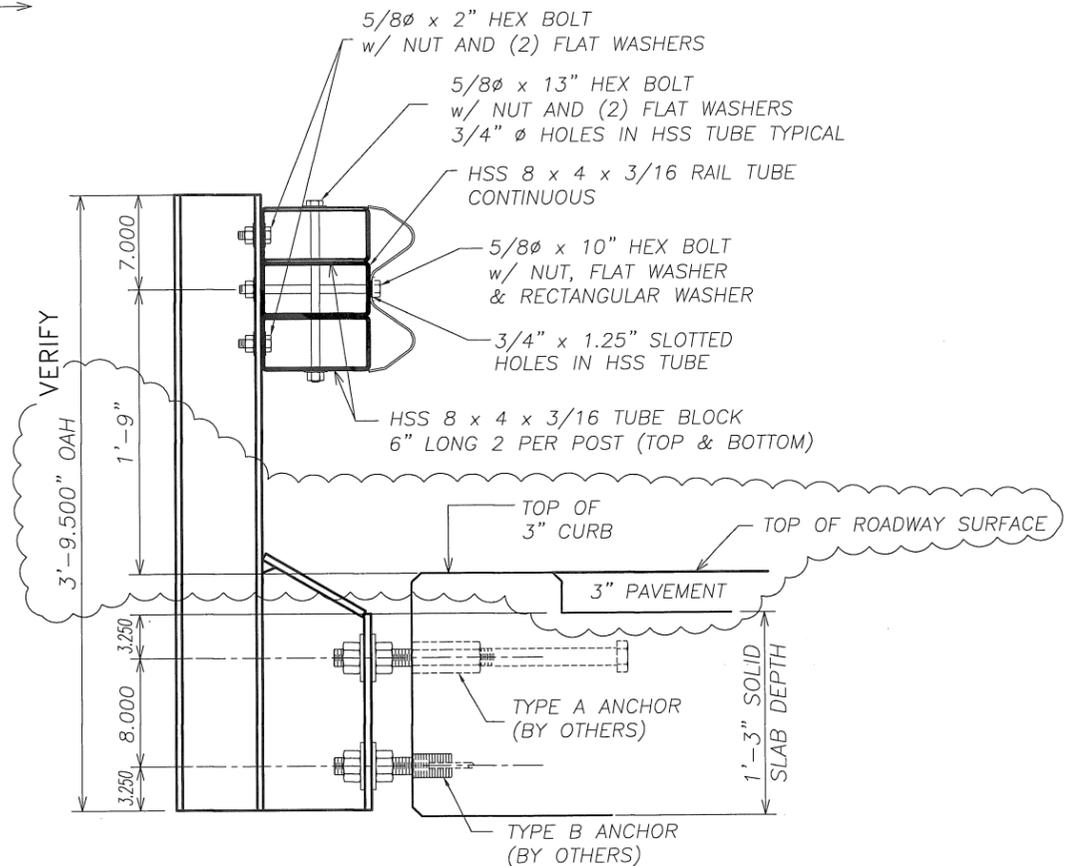
**TYPICAL RAILING ELEVATION
BRIDGE NO. 14**

LOOKING AT FACE OF RAIL FROM CENTERLINE OF ROAD
BOTH SIDES SIMILAR
PORTIONS OF HDSB W-BEAM RAIL AND TUBULAR BLOCKS HAVE BEEN REMOVED FROM THIS VIEW FOR CLARITY

BILL OF MATERIAL

TOTAL PAY LENGTH ITEM 525.44 (BRIDGE 14) = 100 LF

Qty	mk	Description	Spec.
14		W6x25 FASCIA MOUNTED POST 45.500 OAL w/ WELDED OFFSET PLATES (GLV)	A572 gr 50
14		PL 0.500 x 7.500 x 8.500 (WELDED TO POST)	A572 gr 50
14		PL 0.500 x 7.500 x 14.500 (WELDED TO POST)	A572 gr 50
14		PL 0.500 x 7.500 x 17.937 (WELDED TO POST)	A572 gr 50
4		W6x25 DRIVEN POST #1 x 6 FT LONG (GLV)	A572 gr 50
36		TUBE BLOCK HSS 8 x 4 x 3/16 x 6.000" LG (GLV)	A500 gr B
8		HDSB W-BEAM PANEL 10 GA 12'-6" LG X 6'-3" SP (GALV)	M180 B2
4		SPLICE CHANNEL C7 X 9.8 x 2'-6.500" w/ (4) TACKWELDED HEX NUTS (GALV)	A572 gr 50
2	F1	TUBULAR STEEL RAIL (GLV) HSS 8 x 4 x 3/16 x 14'-5.000" OAL	A500 gr B
2	F2	TUBULAR STEEL RAIL (GLV) HSS 8 x 4 x 3/16 x 18'-8.500" OAL	A500 gr B
2	F3	TUBULAR STEEL RAIL (GLV) HSS 8 x 4 x 3/16 x 17'-7.500" OAL	A500 gr B
18		RECTANGULAR WASHER 0.1875" x 1.75" x 3.00" (GLV)	A572 GR 50
18		HEX HEAD BOLT 5/8" DIA x 13" LG HDG	A325
18		HEX HEAD BOLT 5/8" DIA x 10" LG HDG	A325
52		HEX HEAD BOLT 5/8" DIA x 2" LG HDG	A325
72		HEX NUT 5/8" HDG	A563 DH
142		ROUND WASHER SMALL FLAT 5/8" HDG	F436
64		PANEL SPLICE BOLT 5/8" x 1.25" HDG	A307
64		DOUBLE RECESS. NUT 5/8" HDG	A563 A



**SECTION
THRU RAILING**

No.	Remarks	Date
0	Initial submittal	2/15/15
REVISIONS		

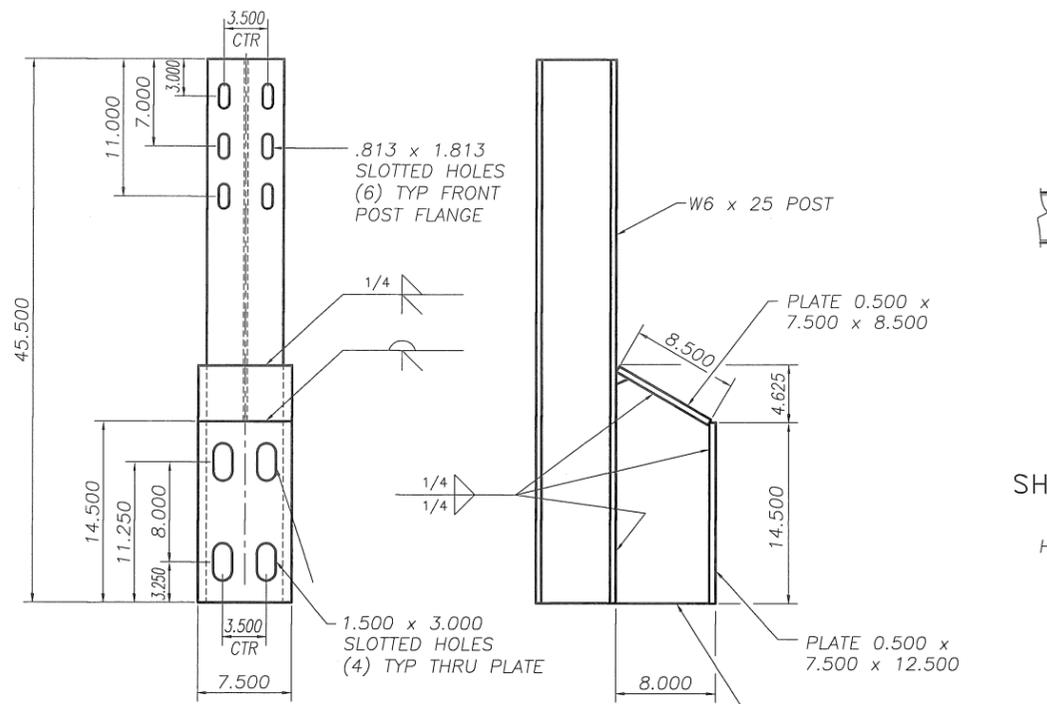
HIGHWAY SAFETY CORP
GLASTONBURY, CT
860-633-9445

ITEM 525.44 BRIDGE RAILING
GALVANIZED FASCIA MOUNTED HDSB STEEL TUBE

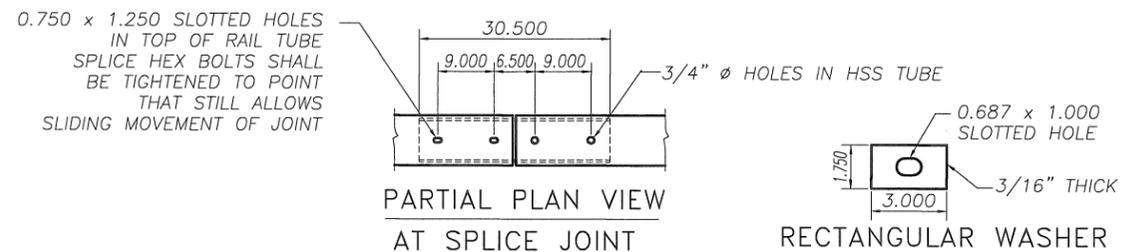
BRIDGE NO. 14 SOUTH ROAD BRF 0281(25)
FAIRFIELD VERMONT

GENERAL CONTRACTOR
SUB CONTRACTOR
DRAWN
CHECKED
DATE
SCALE
NTS
SIZE
D

2030
1 of 2

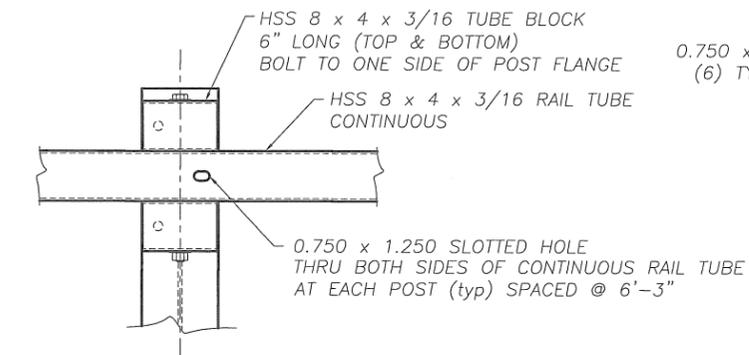


POST DETAIL
TYPICAL ALL FASCIA POSTS

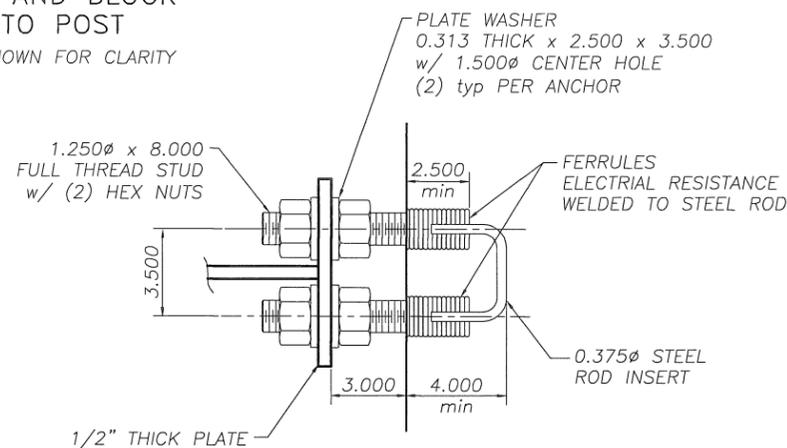


PARTIAL PLAN VIEW
AT SPLICE JOINT

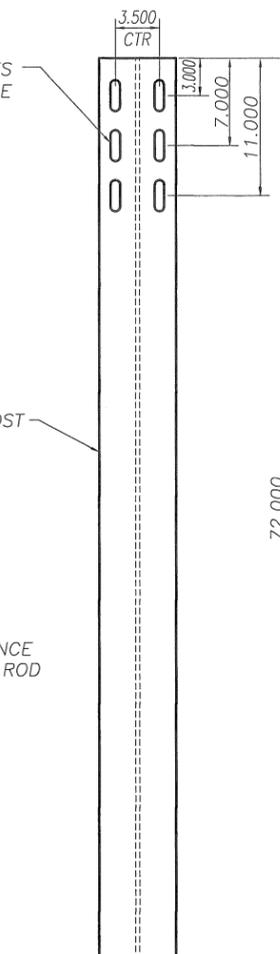
RECTANGULAR WASHER



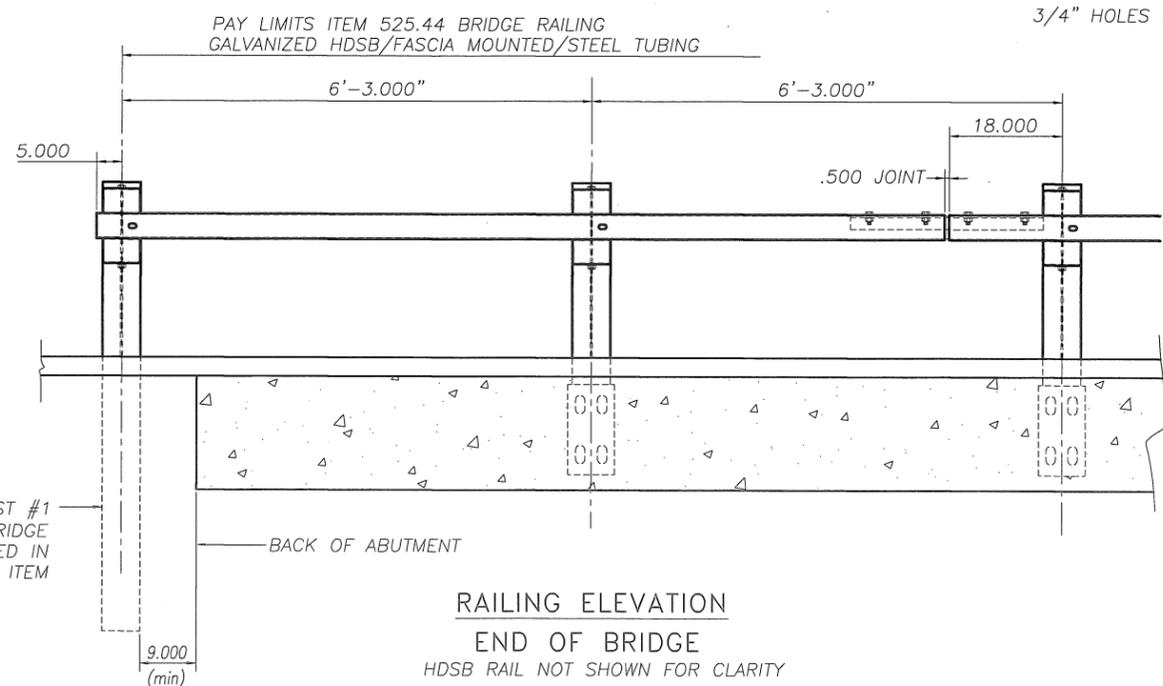
PARTIAL ELEVATION
SHOWING RAIL AND BLOCK
ASSEMBLY TO POST
HDSB RAIL NOT SHOWN FOR CLARITY



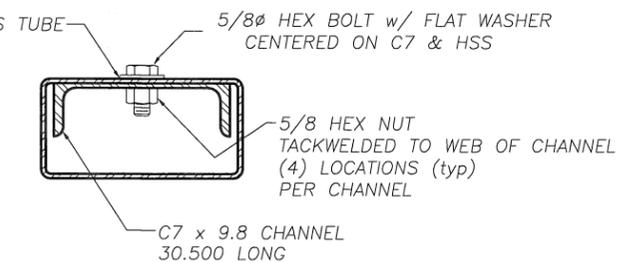
TYPE B ANCHOR ASSEMBLY
(1) PER POST
(BY OTHERS)



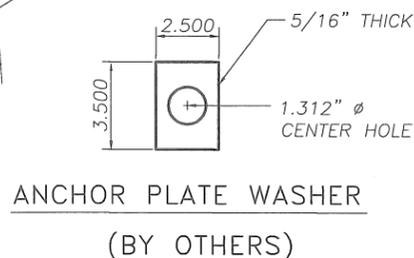
POST ELEVATION
DRIVEN POST #1



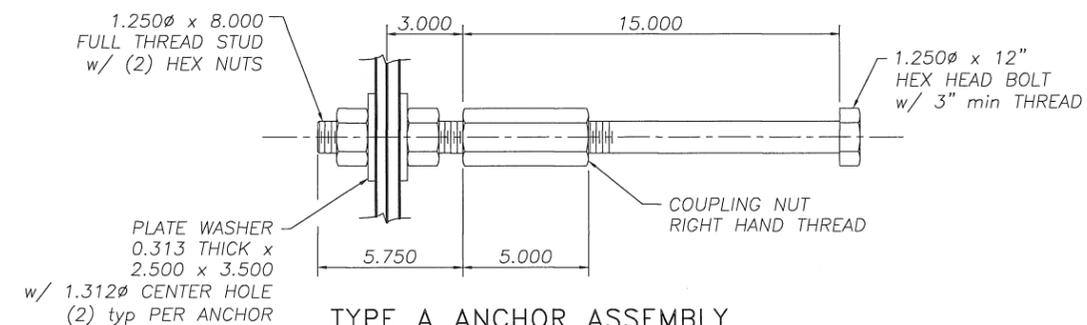
RAILING ELEVATION
END OF BRIDGE
HDSB RAIL NOT SHOWN FOR CLARITY



SECTION THRU 8x4 RAIL
AT SPLICE JOINT



ANCHOR PLATE WASHER
(BY OTHERS)



TYPE A ANCHOR ASSEMBLY
(2) PER POST
(BY OTHERS)

NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO SECTION 525
2. TYPE B ANCHOR INSERTS OF A DIFFERENT TYPE MAY BE PROVIDED, IF APPROVED BY THE ENGINEER
3. PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM 1/16" RADIUS
4. ALL POSTS SHALL BE SET NORMAL TO GRADE
5. SPLICES FOR THE STEEL BEAM GUARDRAIL SHALL LAP IN THE DIRECTION OF TRAFFIC
6. A RAILING JOINT SPLICE SHALL BE PROVIDED IN ANY RAIL BAY SPANNING THE END OF AN INTEGRAL ABUTMENT BRIDGE AND AT ALL SUPERSTRUCTURE EXPANSION JOINTS
7. SEE VAOT STANDARD DRAWING G-1 FOR DETAILS OF DELINEATORS. A DELINEATOR SHALL BE INSTALLED AT 30 FT SPACING OR THE NEAREST POST. WHITE IS TO BE INSTALLED ON THE DRIVERS RIGHT. FOR ONE WAY BRIDGES, YELLOW IS TO BE INSTALLED ON THE DRIVERS LEFT. DELINEATORS PROVIDED BY OTHERS.
8. FOR RADII LESS THAN 950 FEET, HSS 8 X 4 TUBES SHALL BE SHOP BENT TO FIT THE APPLICABLE CURVE
9. THE MINIMUM DISTANCE FROM THE LAST POST TO THE END OF SLAB IS 1'-6"
10. FERRULES SHALL BE 12L14 COLD DRAWN CARBON STEEL
11. HOLES IN THE RAIL FOR RAIL TUBE ATTACHMENT MAY BE FIELD DRILLED. FIELD DRILLED HOLES SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT PRIOR TO INSTALLATION
12. THIS RAILING MEETS THE REQUIREMENTS FOR A TL-2 SERVICE LEVEL.
13. ALL METAL PARTS SHALL BE HOT-DIPPED GALVANIZED.

HIGHWAY SAFETY CORP GLASTONBURY, CT 860-633-9445		CERTIFIED FABRICATOR
GENERAL CONTRACTOR		HSC JOB NO. 2030
SUB CONTRACTOR LAFAYETTE		SHEET NO. 2 of 2
DRAWN PAR	CHECKED	DATE 02-17-15
SCALE NTS	SIZE D	