



**BRIDGE NO. 25**

WEST RAIL ELEVATION  
 LOOKING AT FACE OF RAIL FROM CENTER OF ROAD  
 EAST RAIL ELEVATION SIMILAR LOOKING FROM CENTER OF ROAD  
 ALL APPROACHES TYPICAL EXCEPT AT NW CORNER (SEE SHEET 3 OF 5)

**BILL OF MATERIAL - BRIDGE NO. 25 (EAST & WEST SIDE)**

Qty	mk	Description	Spec.
24		PED POST W6x25 2'-9.000" OAH (GALV) w/ 1.250" x 10" x 14" B.P	A572 gr 50
12		FIXED SPLICE TUBE (6x6) GALV TS 5x5x5/16 x 2'-3" OAL w/ (3) 1/4" fill plates	A500 gr B
8		EXP SPLICE TUBE (6x6) GALV TS 5x5x5/16 x 3'-0" OAL w/ (3) 1/4" fill plates	A500 gr B
6		FIXED SPLICE BAR (5x3) GALV 2.125 x 4.25 x 27.00"	A500 gr B
4		EXPANSION SPLICE BAR (5x3) GALV 2.125 x 4.25 x 36.00"	A500 gr B
24		BRIDGE RAIL SHELF ANGLE (GALV) L 5 x 5 x 5/8 x 6" LONG	A572 gr 50
4	B1	TUBE 6 x 6 x 3/16 x 21 ft - 5.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
4	B2	TUBE 6 x 6 x 3/16 x 29 ft - 3.500 in LG (GALV) fixed splice both ends	A500 gr B
4	B3	TUBE 6 x 6 x 3/16 x 23 ft - 11.500 in LG (GALV) fixed splice both ends	A500 gr B
4	B4	TUBE 6 x 6 x 3/16 x 21 ft - 8.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
2	B5	TUBE 5 x 3 x 1/4 x 19 ft - 5.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
2	B2	TUBE 5 x 3 x 1/4 x 29 ft - 3.500 in LG (GALV) fixed splice both ends	A500 gr B
2	B3	TUBE 5 x 3 x 1/4 x 23 ft - 11.500 in LG (GALV) fixed splice both ends	A500 gr B
2	B6	TUBE 5 x 3 x 1/4 x 19 ft - 8.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
3		LOWER FLAREBACK TUBE 5 x 3 x 1/4 x 9'-4" oal w/welded cap (GALV) mitered w/exp. slots 1 end	A500 gr B
1		LOWER FLAREBACK TUBE 5 x 3 x 1/4 x 9'-4" oal w/welded cap (GALV) c&w + mitered w/exp. slots 1 end	A500 gr B
24		ANCHOR PLATE (GALV) PL 3/8" x 10.000" x 14.000"	A36
24		BEARING PAD 1/8" x 10.000" x 14.000" (80 durometer +/- 10 neoprene)	aashto M251
96		THREADED STUD (2 1/4" THREAD EACH SIDE) 1.000-08 x 13.000 HDG A449	A449
192		NUT HEX HEAVY (2) HI-STRENGTH 1.000-08 GALV	A563 DH
192		WASHER ROUND SMALL (2) F436 1.000 SAE GALV	F436
96		JAM NUT (1) 1.000-08 GALV	A563 DH
112		7/8 x 8 slotted head bolt w/ HN & LW SQW	A449
24		3/4 x 8 hex bolt w/ HN & LW (A325)	A325
48		3/4 x 2.5 hex bolt w/ HN & LW (A325)	A325
40		3/4 x 4.5 hex bolt w/ HN & 2 FW (A325)	A325
80		3/4 x 7.5 hex bolt w/ HN & 2 FW (A325)	A325
8		RETROREFLECTIVE DELINEATOR with fastening hardware (provided by others)	

ITEM 525.335 3 RAIL BOX BEAM BRIDGE RAILING(EAST & WEST) = 184 L.F.

No.	Remarks	Date
2	review corrections	01/23/14
1	revised per approver	12/23/13
0	initial submittal	12/5/13
REVISIONS		

Vermont Agency of Transportation  
**RECEIVED**  
 CK'D BY JS OK'D BY WL  
**January 23, 2014**  
 RESUBMIT NO Approved  
 BY KH DATE 1-23-2014

**HIGHWAY SAFETY CORP**  
 GLASTONBURY, CT  
 860-633-9445

ITEM 525.335 3-RAIL BOX BEAM  
 TOWN OF BARNARD  
 COUNTY OF WINDSOR  
 VT ROUTE 12 - MAJOR COLLECTOR  
 BRIDGE NO. 25  
 PROJECT NO. ER BRF 0241(39)

CERTIFIED FABRICATOR

HSC JOB NO. 1966  
 SHEET NO. 1 of 5

GENERAL CONTRACTOR  
 SUB CONTRACTOR LAFAYETTE  
 DRAWN RWL CHECKED DATE 11-19-13 SCALE NONE SIZE D