



**BRIDGE NO. 108**  
 NORTH RAIL ELEVATION  
 looking at face of rail from center of road  
 SOUTH ELEVATION SIMILAR

**BILL OF MATERIAL - BRIDGE NO. 108 (NORTH & SOUTH SIDES)**

Qty	mk	Description	Spec.
28		PED POST W6x25 2'-9.000" OAH (GALV) w/ 1.250" x 10" x 14" B.P	A572 gr 50
16		FIXED SPLICE TUBE (6x6) GALV TS 5x5x5/16 x 2'-3" OAL w/ (3) 1/4" fill plates	A500 gr B
8		FIXED SPLICE BAR (5x3) GALV 2.125 x 4.25 x 27.00"	A500 gr B
28		BRIDGE RAIL SHELF ANGLE (GALV) L 5 x 5 x 5/8 x 6" LONG	A572 gr 50
4	C1	TUBE 6 x 6 x 3/16 x 20 ft - 11.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
12	C2	TUBE 6 x 6 x 3/16 x 23 ft - 5.500 in LG (GALV) fixed splice both ends	A500 gr B
4	C3	TUBE 6 x 6 x 3/16 x 17 ft - 11.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
2	C1	TUBE 5 x 3 x 1/4 x 18 ft - 11.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
6	C2	TUBE 5 x 3 x 1/4 x 23 ft - 5.500 in LG (GALV) fixed splice both ends	A500 gr B
2	C3	TUBE 5 x 3 x 1/4 x 15 ft - 11.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
28		ANCHOR PLATE (GALV) PL 3/8" x 10.000" x 14.000"	A36
112		THREADED STUD (2 1/4" THREAD EACH SIDE) 1.000-08 x 13.000 HDG A449	A449
224		NUT HEX HEAVY (2) HI-STRENGTH 1.000-08 GALV	A563 DH
224		WASHER ROUND SMALL (2) F436 1.000 SAE GALV	F436
112		JAM NUT (1) 1.000-08 GALV	A563 DH
112		7/8 x 8 slotted head bolt w/ HN & LW SQW	A449
28		3/4 x 8 hex bolt w/ HN & LW (A325)	A325
56		3/4 x 2.5 hex bolt w/ HN & LW (A325)	A325
32		3/4 x 4.5 hex bolt w/ HN & 2 FW (A325)	A325
64		3/4 x 7.5 hex bolt w/ HN & 2 FW (A325)	A325

ITEM 525.335 3 RAIL BOX BEAM BRIDGE RAILING = 212 L.F.

No.	Remarks	Date
1	revised per approver	7/2/13
0	Initial submittal	6/2/13

REVISIONS

**Vermont Agency of Transportation**  
**RECEIVED**  
 CK'D BY M. Umberger OK'D BY C. Carlson  
 July 2, 2013  
 RESUBMIT Approved  
 BY C. Carlson DATE 07/03/13

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

ITEM 525.335 3-RAIL BOX BEAM  
 TOWN OF ST. JOHNSBURY  
 COUNTY OF CALEDONIA  
 US ROUTE 2 - PRINCIPAL ARTERIAL  
 BRIDGE NO. 108  
 PROJECT NO. BRF 028-4(25)S

CERTIFIED FABRICATOR  
 HSC JOB NO. 1911  
 SHEET NO. 1 of 4

GENERAL CONTRACTOR  
 SUB CONTRACTOR LAFAYETTE  
 DRAWN BJB CHECKED [Signature] DATE 06-01-13 SCALE NONE SIZE D