



BRIDGE NO. 48

WEST RAIL ELEVATION

LOOKING AT FACE OF RAIL FROM CENTER OF ROAD
 EAST RAIL ELEVATION SIMILAR LOOKING FROM CENTER OF ROAD
 SW & SE APPROACHES TYPICAL
 SEE SHEET 3 OF 6 FOR NW CORNER
 SEE SHEET 4 OF 6 FOR NE CORNER

BILL OF MATERIAL - BRIDGE NO. 48 (EAST & WEST SIDE)

Qty	mk	Description	Spec.
20		PED POST W6x25 2'-9.000" OAH (GALV) w/ 1.250" x 10" x 14" B.P	A572 gr 50
8		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
4		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
20		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 - 3.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
4	B2	TUBE 6 x 6 x 3/16 x 28 ft - 11.500 in LG (GALV) fixed splice both ends	A500 gr B
4	B3	TUBE 6 x 6 x 3/16 x 29 ft - 1.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
2	B4	TUBE 5 x 3 x 1/4 x 19 ft - 3.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
2	B2	TUBE 5 x 3 x 1/4 x 28 ft - 11.500 in LG (GALV) fixed splice both ends	A500 gr B
2	B5	TUBE 5 x 3 x 1/4 x 27 ft - 1.750 in LG (GALV) fixed splice 1 end, exp splice 1 end	A500 gr B
2		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
2		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
20		ANCHOR PLATE (GALV) PL 3/8" x 10.000" x 14.000"	A36
20		BEARING PAD 1/8" x 10.000" x 14.000" (80 durometer +/- 10 neoprene)	aashto M251
80		THREADED STUD (2 1/4" THREAD EACH SIDE) 1.000-08 x 13.000 HDG A449	A449
160		NUT HEX HEAVY (2) HI-STRENGTH 1.000-08 GALV	A563 DH
160		WASHER ROUND SMALL (2) F436 1.000 SAE GALV	F436
80		JAM NUT (1) 1.000-08 GALV	A563 DH
136		7/8 x 8 slotted head bolt w/ HN & LW SQW	A449
20		3/4 x 8 hex bolt w/ HN & LW (A325)	A325
40		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
8		RETROREFLECTIVE DELINEATOR with fastening hardware (provided by others)	

SHOP DRAWINGS ARE REVIEWED UNLESS NOTED OTHERWISE

NO EXCEPTION TAKEN	
REVISE AS NOTED	REVISION NOT REQUIRED ✓
REVISE AS NOTED	REVISION REQUIRED
REJECTED	

DATE: 3/26/2014

SIGNATURE: *Jim Haysford*

REVIEW BY STANTEC 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.

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

ITEM 525.335 3 RAIL BOX BEAM BRIDGE RAILING(EAST & WEST) = 152 L.F.

No.	Remarks	Date
0	Initial submittal	3/6/14
REVISIONS		

HIGHWAY SAFETY CORP
 GLASTONBURY, CT
 860-633-9445

ITEM 525.335 3-RAIL BOX BEAM
 TOWN OF ENOSBURG
 COUNTY OF FRANKLIN
 BOSTON POST ROAD T.H.2 CLASS 2
 BRIDGE NO. 48
 PROJECT NO. BRO 1448 (40)

CERTIFIED FABRICATOR

GENERAL CONTRACTOR: LAFAYETTE

DATE: 3-4-14 SCALE: NONE SIZE: D

1976
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