



**BILL OF MATERIAL**

Qty	Description	Spec.
4	HSS 6 x 6 x 3/16 TRANSITION TUBE TOP 20' - 9.500" LONG EXP (GALV)	A500 gr B
4	HSS 6 x 6 x 3/16 TRANSITION TUBE BOTTOM 21' - 5.000" LONG EXP (GALV)	A500 gr B
4	HSS 6 x 6 x 3/16 FLAREBACK 9'-0" LONG w/ WELDED 1/4 x 5.75 SQ CAP (GALV)	A500 gr B / A36
16	W6 x 8.5 HEAVY POST 7'-0" LONG w/ 1/4 x 8 x 24 SOIL PLATE (GALV)	A36
24	S3 x 5.7 TRANSITION POST 7'-0" LONG w/ 1/4 x 8 x 32 SOIL PLATE (GALV)	A36
12	S3 x 5.7 POST 5'-3" LONG w/ 1/4 x 8 x 24 SOIL PLATE (GALV)	A36
8	S3 x 5.7 POST 3'-11" LONG w/ 1/4 x 8 x 24 SOIL PLATE (GALV)	A36
32	TUBE OFFSET BLOCK HSS 8 x 6 x 1/4 x 6" LONG (GALV)	A500 gr B
8	EXP SPLICE TUBE HSS 5 x 5 x 5/16 x 3'-0" OAL w/ (3) 1/4" fill plates (GALV)	A500 gr B / A36
4	FIX SPLICE TUBE HSS 5 x 5 x 5/16 x 2'-3" OAL w/ (3) 1/4" fill plates (GALV)	A500 gr B / A36
4	DBL BEND ANGLED SPLICE HSS 5 x 5 x 5/16 x 2'-3" OAL w/ 3/8" fill plates (GALV)	A500 gr B / A36
68	BOX BEAM SHELF ANGLE L 5 x 3 1/2 x 3/8 x 4.500 LONG (GALV)	A36
4	BOX BEAM END ANGLE L 5 x 3 1/2 x 3/8 x 4.500 LONG (GALV)	A36
32	3/4 x 8 ROUND HEAD BOLT - N FW LW (GALV) - rail to hvy post offset block conn	A449
4	3/4 x 8 HEX BOLT - N 2FW (GALV) - flareback tube to end angle connection	A307
72	1/2 x 1 1/2 HEX BOLT - N FW (GALV) - shelf / end angle to post connection	A307
64	1/2 x 1 1/2 HEX BOLT - N 2FW LW (GALV) - offset block to heavy post connection	A307
72	3/8 x 7 1/2 HEX BOLT - N 2FW (GALV) - rail tube to shelf angle connection	A307
48	3/4 x 7.5 hex bolt w/ HN & 2 FW (GALV) - straight / exp splice tube connection	A325
8	3/4 x 7.5 hex bolt w/ HN & 2 FW & LW (GALV) - double angle splice to lower rail conn	A325

**NOTES:**

NOTE "A": THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE LOWER TUBE FLARE SECTION IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.

NOTE "B": SEE TYPICAL RAIL TO POST CONNECTION DETAIL ON CURRENT HIGHWAY STANDARD SHEET TITLED "BOX BEAM GUIDE RAIL".

NOTE "C": PAVE THE VEGETATION CONTROL STRIP WITH THE SAME MATERIAL AS IN THE PAVED SHOULDER. PAYMENT WILL BE MADE UNDER THE PAVED SHOULDER ITEM.

DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

- NO EXCEPTION TAKEN
- MAKE CORRECTIONS NOTED
- REJECTED
- REVISE AND RESUBMIT
- SUBMIT SPECIFIED ITEM

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF THE WORK.

DATE 2/15/13 BY CHA

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

APPROACH RAILING, GALVANIZED, 2 RAIL BOX BEAM  
RICHMOND, VERMONT  
STP-RS 0284(11)

CERTIFIED FABRICATOR

ISSUE NO. 1886  
SHEET NO. 4 of 6

SCALE NONE