



TYPICAL RAILING ELEVATION
 LOOKING AT FACE OF RAILING FROM CENTERLINE OF ROAD
 BOTH SIDES TYPICAL

BILL OF MATERIAL

Qty	mk	Description	Spec.
94 LF		ITEM 525.33 BRIDGE RAILING, GALVANIZED, 2 RAIL BOX BEAM	
14		BRIDGE RAILING POST W6 x 25 x 2'-2.375" OAH WITH 1 x 10 x 14 BASE PLATE (GLV)	A709 gr 50
4		SPLICE TUBE (FOR 8X4 RAIL) HSS 7 x 3 x 3/8 x 1'-8.000" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
4		SPLICE TUBE (FOR 4X4 RAIL) HSS 3 x 3 x 5/16 x 1'-8.000" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
4	M1	RAIL TUBE HSS 8 x 4 x 5/16 x 11 ft - 3.875 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
2	M2	RAIL TUBE HSS 8 x 4 x 5/16 x 23 ft - 11.5 in OAL - FIX splice both ends (GLV)	A500 gr B
4	M1	RAIL TUBE HSS 4 x 4 x 1/4 x 11 ft - 3.875 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
2	M2	RAIL TUBE HSS 4 x 4 x 1/4 x 23 ft - 11.5 in OAL - FIX splice both ends (GLV)	A500 gr B
14		ANCHOR SPACER PLATE PL 0.375 x 13.000 x 9.375	A709 gr 36
56		ANCHOR STUD DBL END PART THREAD - 1" DIA x 12.000 w/ 2.250" THD EACH END (GLV)	A449
112		HEAVY HEX NUT 1" (GLV)	A563 DH
56		ROUND WASHER (SAE) - 1" DIA SMALL (GLV)	F436
56		JAM NUT 1" (GALV)	A563 DH
56		ROUND HEAD POST BOLT slot or wrench head - no shoulder 3/4" DIA x 6" LG. FULL BODY (GLV)	A449 / A325
56		LOCK NUT 3/4" (GLV)	A563 DH
56		ROUND WASHER (SAE) 3/4" (GLV)	F436
32		HEX HEAD BOLT 5/8" DIA x 1.75" LG. (GLV)	A325
32		ROUND WASHER (SAE) 5/8" (GLV)	F436
14		BEARING PAD 0.125" THICK x 10.000 x 14.000 (NEOPRENE 80 duro +/-10)	aashto M251

No.	Remarks	Date
A	review corrections	5/20/15
0	initial submittal	05-07-15

Vermont Agency of Transportation
RECEIVED
 CK'D BY FDB OK'D BY HIS
 May 29, 2015
 RESUBMIT No Approved
 BY Carolyn Carlson DATE 6/2/2015

HIGHWAY SAFETY CORP GLASTONBURY, CT 860-633-9445	
ITEM 525.33 BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM (S-360A) ITEM 621.72 GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM (S-360B) BR 024-1(37) VT ROUTE 12 - BRIDGE 77 TOWN OF MIDDLESEX, WASHINGTON COUNTY VT	CERTIFIED FABRICATOR HSC JOB NO. 2048 SHEET NO. 1 of 3
GENERAL CONTRACTOR SUB CONTRACTOR LAFAYETTE	DRAWN PAR CHECKED DATE 05-07-15 SCALE NONE SIZE D