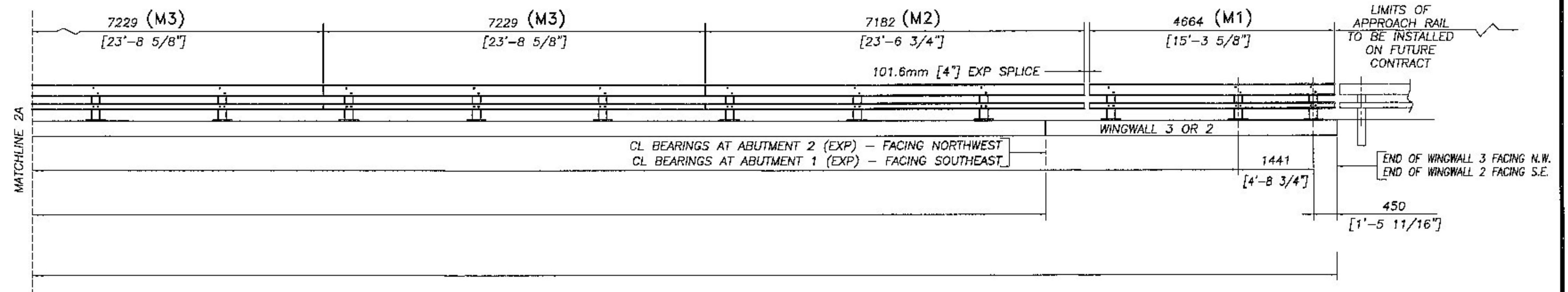


CONTINUED FROM SHEET 1



BILL OF MATERIAL
NORTHWEST AND SOUTHEAST SIDES COMBINED

Qty	mk	Description	Spec.
148		BRIDGE RAILING POST W6 x 25 x 2'-2.375" OAH WITH 1x 10x 14 BASE PLATE (GLV)	A709 gr 50
44		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
44		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		EXP SPLICE (FOR 8X4 RAIL) HSS 7 x 3 x 3/8 x 1'-11.750" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
4		EXP SPLICE (FOR 4X4 RAIL) HSS 3 x 3 x 5/16 x 1'-11.750" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
4	M1	RAIL TUBE HSS 8 x 4 x 5/16 x [4.664m] 15 ft - 3.625 in OAL - EXP splice both ends (GLV)	A500 gr B
4	M2	RAIL TUBE HSS 8 x 4 x 5/16 x [7.182m] 23 ft - 6.75 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
40	M3	RAIL TUBE HSS 8 x 4 x 5/16 x [7.229m] 23 ft - 8.625 in OAL - FIX splice both ends (GLV)	A500 gr B
2	M4	RAIL TUBE HSS 8 x 4 x 5/16 x [6.042m] 19 ft - 9.875 in OAL - FIX splice both ends (GLV)	A500 gr B
4	M1	RAIL TUBE HSS 4 x 4 x 1/4 x [4.664m] 15 ft - 3.625 in OAL - EXP splice both ends (GLV)	A500 gr B
4	M2	RAIL TUBE HSS 4 x 4 x 1/4 x [7.182m] 23 ft - 6.75 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
40	M3	RAIL TUBE HSS 4 x 4 x 1/4 x [7.229m] 23 ft - 8.625 in OAL - FIX splice both ends (GLV)	A500 gr B
2	M4	RAIL TUBE HSS 4 x 4 x 1/4 x [6.042m] 19 ft - 9.875 in OAL - FIX splice both ends (GLV)	A500 gr B
148		ANCHOR SPACER PLATE PL 0.375 x 13.000 x 9.375	A709 gr 36
594		ANCHOR STUD DBL END PART THREAD - 1" DIA x 12.000 w/ 2.250" THD EACH END (GLV)	A449
1188		HEAVY HEX NUT 1" (GLV)	A563 DH
594		ROUND WASHER (SAE) - 1" DIA SMALL (GLV)	F436
594		JAM NUT 1" (GALV)	A563 DH
592		ROUND HEAD POST BOLT slot or wrench head - no shoulder 3/4" DIA x 6" LG. FULL BODY (GLV)	A449 / A325
592		LOCK NUT 3/4" (GLV)	A563 DH
592		ROUND WASHER (SAE) 3/4" (GLV)	F436
384		HEX HEAD BOLT 5/8" DIA x 1.75" LG. (GLV)	A325
384		ROUND WASHER (SAE) 5/8" (GLV)	F436
32		SPACER PIPE - GALVANIZED 3/4" SCH. 40 x 1/2" LONG (GLV)	A53 gr B
148		BEARING PAD 0.125" THICK x 10.000 x 14.000 (NEOPRENE 80 duro +/-10)	aashto M251

* ANCHOR STUD QUANTITY INCLUDES TWO ADDITIONAL SETS FOR TESTING

Vermont Agency of Transportation

RECEIVED

CK'D BY _____ OK'D BY D. Bonneau

January 4, 2013

RESUBMIT No Approved

BY Douglas Bonneau DATE 01/08/13

Reviewed
 Rejected

 Furnish As Corrected
 Revise and Resubmit

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.

Date: January 3, 2012
 By: D. Kull

McFarland Johnson

HIGHWAY SAFETY CORP
GLASTONBURY, CT
860-633-9445

ITEM 525.33 NETC 2 RAIL BRIDGE RAILING (S-360A)

TOWN OF MORRISTOWN, VERMONT
LAMOILLE COUNTY
VT100 MINOR ARTERIAL STP F 029-1(2) C/1

GENERAL CONTRACTOR: _____
SUB CONTRACTOR: LAFAYETTE

DATE: 11-28-12 SCALE: NONE SHEET: 2 of 3

CERTIFIED FABRICATOR
1909