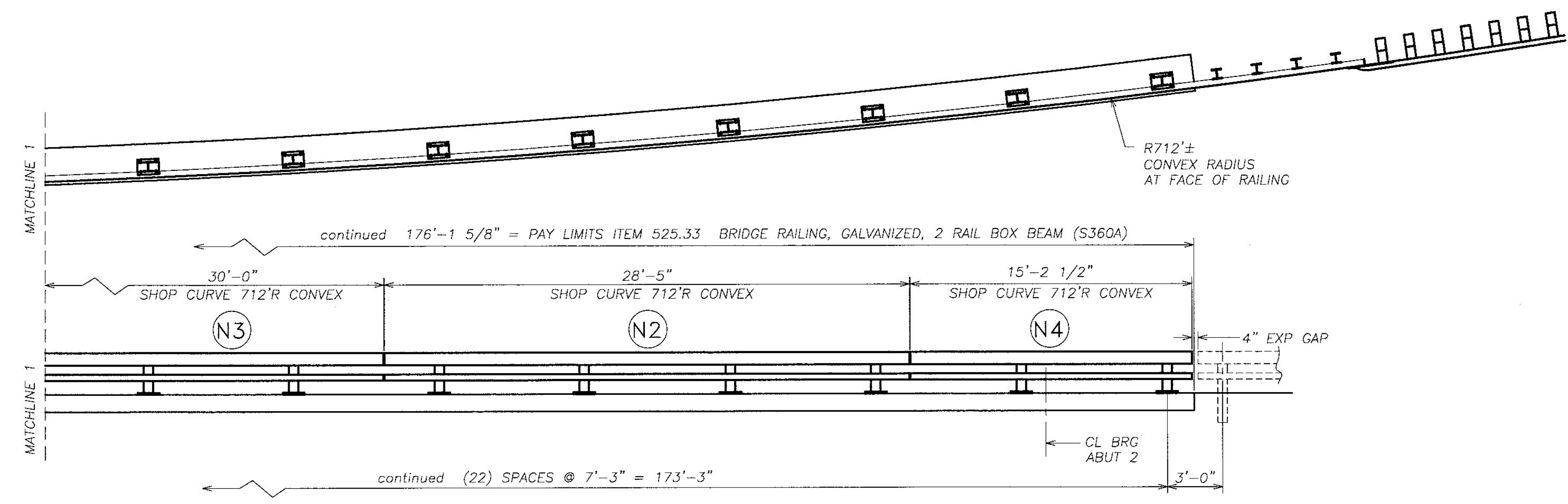


PLAN VIEW

WEST SIDE RAILING ELEVATION
LOOKING AT TRAFFIC FACE OF RAILING
FACING WEST FROM CENTERLINE OF ROAD

BILL OF MATERIAL
BOTH SIDES OF BRIDGE

Qty	mk	Description	Spec.
394 LF		ITEM 525.33 BRIDGE RAILING, GALVANIZED, 2 RAIL BOX BEAM	
48		BRIDGE RAILING POST W6 x 25 x 2'-2.375" OAH WITH 1 x 10 x 14 BASE PLATE (GLV)	A709 gr 50
13		SPLICE TUBE (FOR 8X4 RAIL) HSS 7 x 3 x 3/8 x 20" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
13		SPLICE TUBE (FOR 4X4 RAIL) HSS 3 x 3 x 5/16 x 20" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
1	N1	UPPER RAIL TUBE 8 x 4 x 5/16 x 15'-2.500" LG (GLV) 1 end holes, 1 end slots (shop curve 712'R convex)	A500 gr B
3	N2	UPPER RAIL TUBE 8 x 4 x 5/16 x 28'-5.000" LG (GLV) splice holes both ends (shop curve 712'R convex)	A500 gr B
2	N3	UPPER RAIL TUBE 8 x 4 x 5/16 x 30'-0.000" LG (GLV) splice holes both ends (shop curve 712'R convex)	A500 gr B
1	N4	UPPER RAIL TUBE 8 x 4 x 5/16 x 15'-2.500" LG (GLV) 1 end holes, 1 end slots (shop curve 712'R convex)	A500 gr B
1	N5	UPPER RAIL TUBE 8 x 4 x 5/16 x 15'-1.500" LG (GLV) 1 end holes, 1 end slots (shop curve 744'R concave)	A500 gr B
3	N6	UPPER RAIL TUBE 8 x 4 x 5/16 x 26'-0.000" LG (GLV) splice holes both ends (shop curve 744'R concave)	A500 gr B
2	N7	UPPER RAIL TUBE 8 x 4 x 5/16 x 27'-7.000" LG (GLV) splice holes both ends (shop curve 744'R concave)	A500 gr B
1	N8	UPPER RAIL TUBE 8 x 4 x 5/16 x 22'-11.500" LG (GLV) splice holes both ends (shop curve 744'R concave)	A500 gr B
1	N9	UPPER RAIL TUBE 8 x 4 x 5/16 x 15'-1.500" LG (GLV) 1 end holes, 1 end slots (shop curve 744'R concave)	A500 gr B
1	N1	LOWER RAIL TUBE 4 x 4 x 1/4 x 15'-2.500" LG (GLV) 1 end holes, 1 end slots (shop curve 712'R convex)	A500 gr B
3	N2	LOWER RAIL TUBE 4 x 4 x 1/4 x 28'-5.000" LG (GLV) splice holes both ends (shop curve 712'R convex)	A500 gr B
2	N3	LOWER RAIL TUBE 4 x 4 x 1/4 x 30'-0.000" LG (GLV) splice holes both ends (shop curve 712'R convex)	A500 gr B
1	N4	LOWER RAIL TUBE 4 x 4 x 1/4 x 15'-2.500" LG (GLV) 1 end holes, 1 end slots (shop curve 712'R convex)	A500 gr B
1	N5	LOWER RAIL TUBE 4 x 4 x 1/4 x 15'-1.500" LG (GLV) 1 end holes, 1 end slots (shop curve 744'R concave)	A500 gr B
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2	N7	LOWER RAIL TUBE 4 x 4 x 1/4 x 27'-7.000" LG (GLV) splice holes both ends (shop curve 744'R concave)	A500 gr B
1	N8	LOWER RAIL TUBE 4 x 4 x 1/4 x 22'-11.500" LG (GLV) splice holes both ends (shop curve 744'R concave)	A500 gr B
1	N9	LOWER RAIL TUBE 4 x 4 x 1/4 x 15'-1.500" LG (GLV) 1 end holes, 1 end slots (shop curve 744'R concave)	A500 gr B
48		ANCHOR SPACER PLATE PL 0.375 x 13.000 x 9.375	A709 gr 36
192		ANCHOR STUD DBL END PART THREAD - 1" DIA x 12.000 w/ 2.250" THD EACH END (GLV)	A449
384		HEAVY HEX NUT 1" (GLV)	A563 DH
192		ROUND WASHER (SAE) - 1" DIA SMALL (GLV)	F436
192		JAM NUT 1" (GALV)	A563 DH
192		ROUND HEAD POST BOLT slot or wrench head - no shoulder 3/4" DIA x 6" LG. FULL BODY (GLV)	A449 / A325
192		LOCK NUT 3/4" (GLV)	A563 DH
192		ROUND WASHER (SAE) 3/4" (GLV)	F436
104		HEX HEAD BOLT 5/8" DIA x 1.75" LG. (GLV)	A325
104		ROUND WASHER (SAE) 5/8" (GLV)	F436
48		BEARING PAD 0.125" THICK x 10.000 x 14.000 (NEOPRENE 80 duro +/-10)	aaashto M251



No.	Remarks	Date
0	Initial submittal	2/18/16

REVISIONS - APPLIES TO SET

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, GALV 2 RAIL BOX BEAM (S-360B)

TOWN OF NEW HAVEN, VERMONT
TH 2 (CLASS 2 - MAJOR COLLECTOR) BRIDGE #10
ADDISON COUNTY BR# 0183(1)

CERTIFIED FABRICATOR

GENERAL CONTRACTOR
VT REC

NSC JOB NO. 2091
SHEET NO. 1 of 4

DRAWN PAR CHECKED [Signature] DATE 02-15-16 SCALE NONE SIZE D