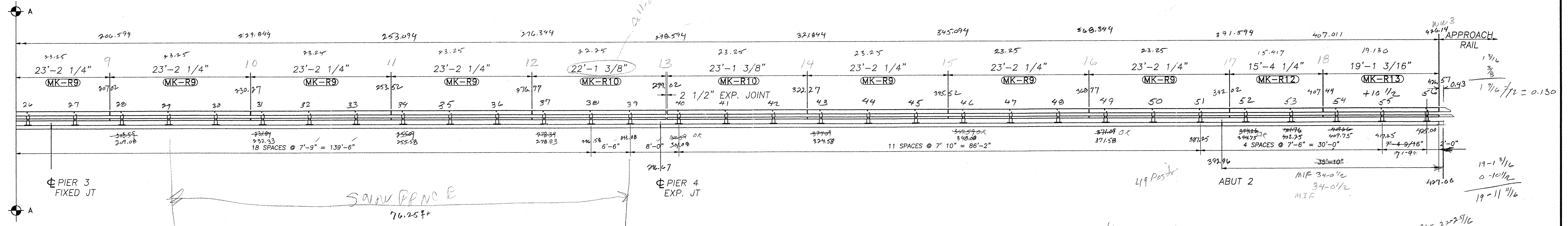


BILL OF MATERIAL (ITEM 563.22)					
Mk.	Qty.	Description	Size/Shape	Length/Qty. per unit	Material
P1	56	BRIDGE RAIL PED POST 680mm OAH W/ BASE PLATE			A709 Gr. 50
	56	POST UPRIGHT	W6 x 25	2'-03/8"	A709 Gr. 50
	56	POST BASE PLATE	1" x 10"	1'-2"	A709 Gr. 50
S1	18	UPPER SPLICE TUBE FOR 8 x 4 RAIL			A500 Gr. B
	18	TUBE	TS 7x3x3/8	1'-8"	A500 Gr. B
	36	LOCK NUTS	5/8"	2 pcs.	M164 TYPE I
S2	18	LOWER SPLICE TUBE FOR 4 x 4 RAIL			A500 Gr. B
	18	TUBE	TS 3x3x5/16	1'-8"	A500 Gr. B
	36	LOCK NUTS	5/8"	2 pcs.	A563M Gr. A
R8	7	UPPER RAIL	TS 8x4x5/16	21'-6 3/4"	A500 Gr. B
	7	LOWER RAIL	TS 4x4x1/4	21'-6 3/4"	A500 Gr. B
R9	10	UPPER RAIL	TS 8x4x5/16	23'-2 1/4"	A500 Gr. B
	10	LOWER RAIL	TS 4x4x1/4	23'-2 1/4"	A500 Gr. B
R10	4	UPPER RAIL	TS 8x4x5/16	23'-1 3/8"	A500 Gr. B
	4	LOWER RAIL	TS 4x4x1/4	23'-1 3/8"	A500 Gr. B
R11	2	UPPER RAIL	TS 8x4x5/16	22'-8 1/4"	A500 Gr. B
	2	LOWER RAIL	TS 4x4x1/4	22'-8 1/4"	A500 Gr. B
R12	1	UPPER RAIL	TS 8x4x5/16	15'-4 1/4"	A500 Gr. B
	1	LOWER RAIL	TS 4x4x1/4	15'-4 1/4"	A500 Gr. B
R13	7	UPPER RAIL	TS 8x4x5/16	19'-1 3/16"	A500 Gr. B
	7	LOWER RAIL	TS 4x4x1/4	19'-1 3/16"	A500 Gr. B
*AP	56	ANCHOR PLATE	3/8 x 9 3/8	1'-1"	A709 Gr. 36
*AS	24	ANCHOR STUD	1" DIA.	12"	A449
*H1	448	HEX NUT	1" DIA.		A563
*H2	224	JAMB NUT	1" DIA.		A563
*H3	224	WASHER	1" DIA.		F436
H4	224	ROUND HEAD BOLT	3/4" DIA.	6"	M164 TYPE I
H5	224	HEX NUT	3/4" DIA.		A563
H6	224	WASHER	3/4" DIA.		F436
H7	74	SPLICE BOLT	5/8" DIA.	1 3/4"	M164 TYPE I
H8	74	WASHER	5/8" DIA.		F436
H9	16	PIPE SPACER (SCH. 40)	3/4" DIA.	1/2"	A563
BP	56	BEARING PAD	1/8 x 10	1'-2"	M251

* ANCHORS NOT PROVIDED BY HIGHWAY SAFETY CORP. - SHOWN FOR REFERENCE ONLY.



ELEVATION - SOUTH-EAST BRIDGE RAIL LT SIDE
 FACING (SE) FROM Φ OF ROADWAY
 PAY LIMIT ITEM 525.33 = 426'-1 11/16"

COGO DIST 426.141
 1 11/16

VENDOR SUBMITTAL REVIEW	
REVIEW STATUS	CONTRACTOR ACTION
APPROVED	NONE
APPROVED AS REVISED	CONFIRM
REJECTED	RESUBMIT

REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND CONTRACT DOCUMENTS. REMARKS OF COMMENTS SHALL NOT BE CONSIDERED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR DETAILS AND CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING FABRICATION PROCESSES FOR TECHNICAL ASSEMBLY AND FOR PERFORMING HIS WORK IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.

BY: *[Signature]* DATE: 7/20/03

REVISIONS		
No.	Remarks	Date
0	Initial submittal	7/20/03

RECEIVED
 OK'D BY: _____ OK'D BY: _____
 JUL 30 2003
 RESUBMIT _____ APPROVED _____
 BY: _____ DATE: _____

HIGHWAY SAFETY CORP.
 GLASTONBURY, CT

ITEM 525.33 - BRIDGE RAILING - NETC 2 RAIL
 PROJECT No. IM-091-1(36)
 TOWN OF HARTLAND
 INTERSTATE ROUTE 91 BRIDGE No. 38
 STATE OF VERMONT WINDSOR COUNTY

DRAWN: MHM
 CHECKED: *[Signature]*
 DATE: 5-28-03
 SCALE: 1/8"=1'-0"
 HSC REFERENCE NO.: 1354
 GENERAL CONTRACTOR: 099
 SUB CONTRACTOR: F.R. Lafayette, Inc.
 SHEET NO.: 2 of 3

