

BILL OF MATERIAL (ITEM 525.33)

Mk.	Qty.	Description	Size/Shape	Length/Qty. per unit	Material
66		BRIDGE RAIL PED POST 680mm OAH W/ BASE PLATE			
66		POST UPRIGHT	W6 x 25	2'-03/8"	A709 Gr. 50
66		POST BASE PLATE	1" x 10"	1'-2"	A709 Gr. 50
23		UPPER SPLICE TUBE FOR 8 x 4 RAIL			
23		TUBE	TS 7x3x3/8	1'-8"	A500 Gr. B
46		LOCK NUTS	5/8"	2 pcs.	A563 Gr. DH
23		LOWER SPLICE TUBE FOR 4 x 4 RAIL			
23		TUBE	TS 3x3x5/16	1'-8"	A500 Gr. B
46		LOCK NUTS	5/8"	2 pcs.	A563 Gr. DH
13		UPPER RAIL	TS 8x4x5/16	24'-0"	A500 Gr. B
13		LOWER RAIL	TS 4x4x1/4	24'-0"	A500 Gr. B
1		UPPER RAIL	TS 8x4x5/16	24'-7-3/16"	A500 Gr. B
1		LOWER RAIL	TS 4x4x1/4	24'-7-3/16"	A500 Gr. B
2		UPPER RAIL	TS 8x4x5/16	21'-0-3/8"	A500 Gr. B
2		LOWER RAIL	TS 4x4x1/4	21'-0-3/8"	A500 Gr. B
2		UPPER RAIL	TS 8x4x5/16	12'-0"	A500 Gr. B
2		LOWER RAIL	TS 4x4x1/4	12'-0"	A500 Gr. B
1		UPPER RAIL	TS 8x4x5/16	18'-0"	A500 Gr. B
1		LOWER RAIL	TS 4x4x1/4	18'-0"	A500 Gr. B
7		UPPER RAIL	TS 8x4x5/16	20'-8-7/16"	A500 Gr. B
7		LOWER RAIL	TS 4x4x1/4	20'-8-7/16"	A500 Gr. B
7		UPPER RAIL	TS 8x4x5/16	14'-0"	A500 Gr. B
7		LOWER RAIL	TS 4x4x1/4	14'-0"	A500 Gr. B
7		UPPER RAIL	TS 8x4x5/16	16'-3-1/2"	A500 Gr. B
7		LOWER RAIL	TS 4x4x1/4	16'-3-1/2"	A500 Gr. B
7		UPPER RAIL	TS 8x4x5/16	16'-2-3/4"	A500 Gr. B
7		LOWER RAIL	TS 4x4x1/4	16'-2-3/4"	A500 Gr. B
7		UPPER RAIL	TS 8x4x5/16	15'-10-5/8"	A500 Gr. B
7		LOWER RAIL	TS 4x4x1/4	15'-10-5/8"	A500 Gr. B

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

BILL OF MATERIAL (ITEM 563.22)

Mk.	Qty.	Description	Size/Shape	per unit	Material
HARDWARE					
*	66	ANCHOR PLATE			A709 Gr. 36
*	264	ANCHOR STUD	1" DIA.	12"	A449
*	528	HEX NUT	1" DIA.		A563
*	264	JAMB NUT	1" DIA.		A563
*	264	WASHER	1" DIA.		F436
	264	ROUND HEAD BOLT	3/4" DIA.	6"	M164 TYPE 1
	264	LOCK NUT	3/4" DIA.		A563
	264	WASHER	3/4" DIA.		F436
	184	SPLICE BOLT	5/8" DIA.	1 3/4"	M164 TYPE 1
	184	WASHER	5/8" DIA.		F436
	40	PIPE SPACER (SCH. 40)	3/4" DIA.	1/2"	A53
	66	BEARING PAD	1/8" x 10"	1'-2"	M251

PAY LIMITS

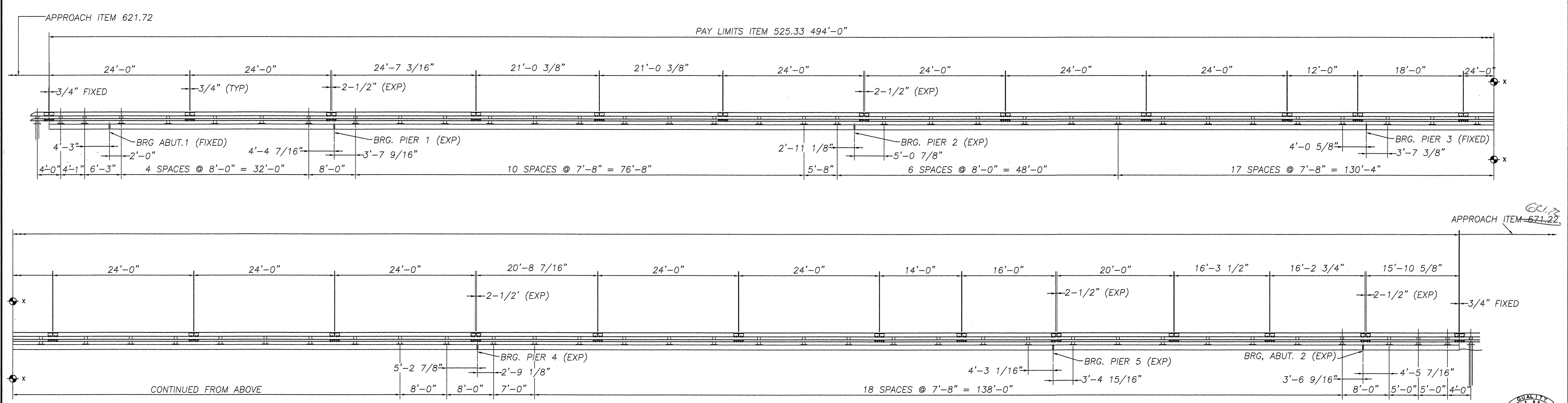
SHEET 1: 493'-11-1/4"

SHEET 2: 458'-10-1/4"

SHEET 3: 403'-1-1/4"

SHEET 4: 368'-7-1/4"

TOTAL 1724'-6"



I-89 SOUTH BOUND
SOUTHWEST ELEVATION
LOOKING AT FACE OF RAIL
FROM C OF ROAD.

END OF WINGWALLS HAVE BEEN LOCATED APPROXIMATELY BY VAOT SURVEY. CONTRACTOR SHALL VERIFY REQUIRED DIMENSIONS AND RAIL LENGTHS PRIOR TO FABRICATION

REVISIONS

No.	Remarks	Date
0	Initial submittal	28-JAN-05
0	Re-submittal	09-MAR-05
0	Re-submittal	02-MAY-05

TVGA CONSULTANTS

NO EXCEPTIONS TAKEN REJECTED
 FURNISH AS CORRECTED
 REVISE AND RESUBMIT

ENGINEER has reviewed Shop Drawings and Samples and other data which Contractor is required to submit, only for performance with the information given in the Contract Documents and compatibility with the design concept of the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews do not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto. Contractor is responsible for dimensions to be confirmed and correlated at the job site for information that pertains solely to the fabrication processes or to techniques of construction, and for coordination of the work of all trades.

By: BAC
 DATE: 5/11/05

HIGHWAY SAFETY CORP.
GLASTONBURY, CT

ITEM 525.33 BRIDGE RAILING-NETC 2 RAIL

TOWN OF BOLTON
COUNTY OF CHETTENDEN
PROJECT AC IM 089-2(29)
BR 51N&S OVER U.S. ROUTE 2

GENERAL CONTRACTOR: F.R. LAFAYETTE, INC.

DRAWN: C CRAMER
 CHECKED: [Signature]
 DATE: 11-31-04
 SCALE: 1/8"=12'
 HSC REFERENCE NO.: 1479
 SIZE: D REVISION: 0
 SHEET NO.: 1 of 5

