



ELEVATION - EAST BRIDGE RAIL  
FACING EAST FROM  $\phi$  US RT 5

- NOTE:
- CONTRACTOR TO VERIFY EXPANSION JOINT LOCATIONS PRIOR TO FABRICATION.
  - BRIDGE RAIL TUBES TO BE SET ON 1160.9'  $\pm$  CONCAVE RADIUS.
  - RAIL TUBES ARE PROVIDED STRAIGHT AND WILL FLEX UNDER OWN WEIGHT IN EXCESS OF REQUIRED RAIL CURVATURE DUE TO LARGE RADIUS.

BILL OF MATERIAL (EAST SIDE)					
Mk.	Qty.	Description	Size/Shape	Length/Qty. per unit	Material
	45	BRIDGE RAIL PED POST 2'-0 3/8" OAH W/ BASE PLATE			
	45	POST UPRIGHT	W6 x 25	1'-11 3/8"	A709 Gr. 50
	45	POST BASE PLATE	1" x 10"	1'-2"	A709 Gr. 50
	14	UPPER SPLICE TUBE FOR 8 x 4 RAIL			
	14	TUBE	TS 7x3x3/8	1'-8"	A500 Gr. B
	28	WELDED LOCK NUT (OUTER HOLES ONLY)	5/8"	---	A563
	14	LOWER SPLICE TUBE FOR 4 x 4 RAIL			
	14	TUBE	TS 3x3x5/16	1'-8"	A500 Gr. B
	28	WELDED LOCK NUT (OUTER HOLES ONLY)	5/8"	---	A563
P7	1	UPPER RAIL	TS 8x4x5/16	10'-6.250"	A500 Gr. B
	1	LOWER RAIL	TS 4x4x1/4	10'-6.250"	A500 Gr. B
P8	2	UPPER RAIL	TS 8x4x5/16	27'-9.063"	A500 Gr. B
	2	LOWER RAIL	TS 4x4x1/4	27'-9.063"	A500 Gr. B
P9	4	UPPER RAIL	TS 8x4x5/16	23'-11.250"	A500 Gr. B
	4	LOWER RAIL	TS 4x4x1/4	23'-11.250"	A500 Gr. B
P10	7	UPPER RAIL	TS 8x4x5/16	23'-11.250"	A500 Gr. B
	7	LOWER RAIL	TS 4x4x1/4	23'-11.250"	A500 Gr. B
P11	1	UPPER RAIL	TS 8x4x5/16	17'-3.875"	A500 Gr. B
	1	LOWER RAIL	TS 4x4x1/4	17'-3.875"	A500 Gr. B
	45	ANCHOR PLATE	3/8 x 9 3/8	1'-1"	A36
	180	ANCHOR BOLTS	1" DIA.	12"	A449
	180	HEX NUT	1" DIA.	---	A563
	180	HEAVY HEX NUT	1" DIA.	---	A563DH
	180	HEX JAM NUT	1" DIA.	---	A563
	180	WASHER	1" DIA.	---	F436
	180	ROUND HEAD BOLT	3/4" DIA.	6"	M164 type 1
	180	LOCK NUT	3/4" DIA.	---	A563DH
	180	WASHER	3/4" DIA.	---	F436
	112	CAP SCREW	5/8" DIA.	1.75"	A325
	112	WASHER	5/8" DIA.	---	F436
	45	BEARING PAD	1/8"x10"	1'-2"	M251

TOTAL PAY LIMIT ITEM 525.33 = 349'

REVISIONS		
No.	Remarks	Date

**HIGHWAY SAFETY CORP**  
GLASTONBURY, CT  
860-633-9445

ITEM 525.33 BRIDGE RAILING - NETC 2 RAIL  
US RT 5 OVER I-91, BRIDGE 19A  
TOWN OF PUTNEY COUNTY OF WINDHAM, VT  
PROJECT NUMBER: IM 091-1(31)

CERTIFIED FABRICATOR

GEN. CONTRACTOR: F.R. LAFAYETTE, INC.  
SUB CONTRACTOR: F.R. LAFAYETTE, INC.DRAWN: MHM  
CHECKED: PAR  
DATE: 6/7/2010  
SCALE: NONE  
SIZE: D

REVISION JOB NO. 1752  
SHEET NO. 2 of 4