



Vermont Agency of Transportation  
**RECEIVED**  
 ON: February 28, 2014  
 and Checked for  
**CONFORMANCE**  
 BY: Rob Young DATE: 03/07/2014

**T.Y. LIN INTERNATIONAL**  
 THE STAMPED DOCUMENTS ARE HEREBY:  
 APPROVED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.  
 THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.  
 JOSH OLUND 02/28/2014  
 REVIEWER DATE

ITEM #	HARDWARE NOTES	FUNCTION
19	BOLT RAIL TO SHELF ANGLE (ITEM #10)	
20	BOLT SHELF ANGLE (ITEM #S 10 & 11) TO POST	
21	BOLT BLOCK-OUTS (ITEM #S 13 & 14) TO HEAVY POST	
22	(4) PER SPLICE BAR (ITEM #9)	
23	(4) PER SPLICE TUBING (ITEM #S 7 & 8)	
24	BOLT RAIL (ITEMS #S 6,17, & 18) TO BLOCK-OUTS (ITEM #S 13 & 14) [WHERE FASTENED]	
25	BOLT DOUBLE BEND SPLICE TUBE (ITEM #12) TO RAIL (ITEM #10) & KICKBACK (ITEM #15)	

ITEM #	QTY.	COMPONENT #	DESCRIPTION	MATERIAL QASTD
1	3	0013.57021	3' I-POST, PUNCH 8" W/SPD @ 63" LG	ASTM A572 Gr. 50
2	3	0013.57025	3' I-POST, PUNCH 8" & 20" W/SPD @ 63" LG	ASTM A572 Gr. 50
3	2	0013.57060	3' I-END POST W/SPD @ 3'-8" LG	ASTM A572 Gr. 50
4	4	0013.09601	W6X9 POST @ 7' W/SPD @ 5/8" HOLES	ASTM A36
5	4	0013.57010	3' I-POST, PUNCH 8" & 20" W/8X32" SPADE #7	ASTM A572 Gr. 50
6	1	0033.00403	3X5" BTM TRANS RAIL W/5'-0" KB, EXP END	A500 Gr. B
7	1	0033.00640	HSS 5X5 TUBE SPLICE @ 27" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
8	2	0033.00730	HSS 5X5 EXP TUBE SPLICE @ 36" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
9	1	0033.00930	BR EXP BAR SPLICE 2'-1/8" X 4'-1/4" @ 36" LG	ASTM A36
10	19	0034.00030	REG BB SHELF ANGLES @ 4'-1/2"	ASTM A36
12	1		HSS 5X5 DBL BEND TUBE SPL @ 27" LG & 40" ANGLE	A500 Gr. B / A572 Gr. 50
13	8	0034.00563	6X8" TRANS. TUBE 1/0 @ 6" LG	A500 Gr. B
14	3	0034.00565	6X8" TRANS. TUBE 1/0 @ 3" LG	A500 Gr. B
15	1		6X6" BB @ 9'-0" KICKBACK, W/ CAP & 20" ANGLE	A500 Gr. B / A36
16	1		6X6" BB @ 17'-11 1/2", DRILL: 3" CC, W/ 20" RADIUS & END ASS'Y	A500 Gr. B
17	1		6X6" BB TOP TRANS @ 28'-9 5/8" LG W/EXP END, & PARTIAL RAIL	A500 Gr. B
18	1		6X6" BB BTM TRANS @ 21'-4 5/8" LG W/EXP END & PARTIAL RAIL	A500 Gr. B
19	18	0080.03335	3/8" X 7 1/2" BOLT, NUT, & 2 FV	A307, A563, F436
20	19	0080.04100	1/2" X 1-1/2" BOLT, NUT, & FV	A307, A563, F436
21	22	0080.04120	1/2" X 1-1/2" BOLT, NUT, & FV & LW	A307, A563, F436
22	4	0080.06295	3/4" X 4-1/2" BOLT, NUT, & FV	A325, A563, F436
23	12	0080.06340	3/4" X 7-1/2" BOLT, NUT, & FV	A325, A563, F436
24	6	0080.06370	3/4" X 8" CARR BOLT, NUT, FV & LW	A307, A563, F436
25	2	0080.06400	3/4" X 8" BOLT, NUT, & FV, & LW	A325, A563, F436

ITEM #: 621.725  
 APPROVED BY:

F.R. LAFAYETTE, CAVENDISH  
**GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET**  
 CAVENDISH, ER BR# 0416 (13), ROUTE VT 131, OVER TWENTY MILE STREAM  
 VERMONT

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY
E 1	2/17/14	REVISED PER 12/20/13 MARK-UP	EP				

  

ELDERLEE, INC.	VERMONT CERTIFIED FABRICATOR	DRAWN	E.P.	11/13/13
OAKS CORNERS, NEW YORK 14618		CHECKED	D.J.L.	11/20/13
E-Mail: dlong@elderlee.com		APPROVED		
Tel: 315-789-6670 Fax: 315-789-6615		SCALE		SCHEMATIC
		DRAWING NO.	F.R. LAFAYETTE, CAVENDISH	

SHEET 1 OF 10