



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 #	DESCRIPTION	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 #18) & KICKBACK (ITEM #15)	

GUARD RAIL TO BRIDGE RAIL TRANSITION (WW 4)

SEE ADDITIONAL SHEETS FOR DETAILED VIEWS

ITEM #	QTY.	COMPONENT #	DESCRIPTION	MATERIAL	GASTHO
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	0013.09001	W6X9 POST @ 7" W/SPD @ 5/8" HOLES	ASTM A572 Gr. 50	
5	4	0013.57010	3" I-POST, PUNCH 8" & 20" W/SPD @ 63" LG	ASTM A572 Gr. 50	
6	1	0033.80403	3X5 S3 TRANS RAIL W/5'-0" KB, EXP END	A500 Gr. B	
7	1	0033.00640	HSS SXS TUBE SPLICE @ 27" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50	
8	2	0033.00730	HSS SXS EXP TUBE SPLICE @ 36" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50	
9	1	0033.00930	BR EXP BAR SPLICE @ 1/8" X 4'-1/4" @ 36" LG	ASTM A36	
10	19	0054.00950	RES BB SHELF ANGLES @ 4'-1/2"	ASTM A36	
12	1	0054.00074	HSS SXS DBL BEND TUBE SPA, @ 27" LG	A500 Gr. B / A572 Gr. 50	
13	8	0054.00563	6X6" TRANS. TUBE B/O @ 6" LG	A500 Gr. B	
14	3	0054.00565	6X6" TRANS. TUBE B/O @ 3" LG	A500 Gr. B	
15	1	0054.09000	6X6" BB @ 9'-0" KICKBACK, W/ CAP	A500 Gr. B / A36	
16	0.5	0054.18000	6X6" BB @ 17'-11 1/2" DRILL 3" CC	A500 Gr. B	
17	1	0054.90092	6X6" BB TOP TRANS @ 20'-9 5/8" LG W/EXP END	A500 Gr. B	
18	1	0054.90093	6X6" BB BTH TRANS @ 21'-4 5/8" LG W/EXP END	A500 Gr. B	
19	18	0080.03355	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	0080.06255	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, 2 FV, & LW	A325, A563, F436	

ITEM #: 621.725
 APPROVED BY:

F.R. LAFAYETTE, CAVENDISH

SHEET 4 OF 10

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				
V			V				

DRAWN	E.P.	11/13/13
CHECKED	D.L.	11/20/13
APPROVED		
SCALE	SCHEMATIC	
DRAWING NO. F.R. LAFAYETTE, CAVENDISH		

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