

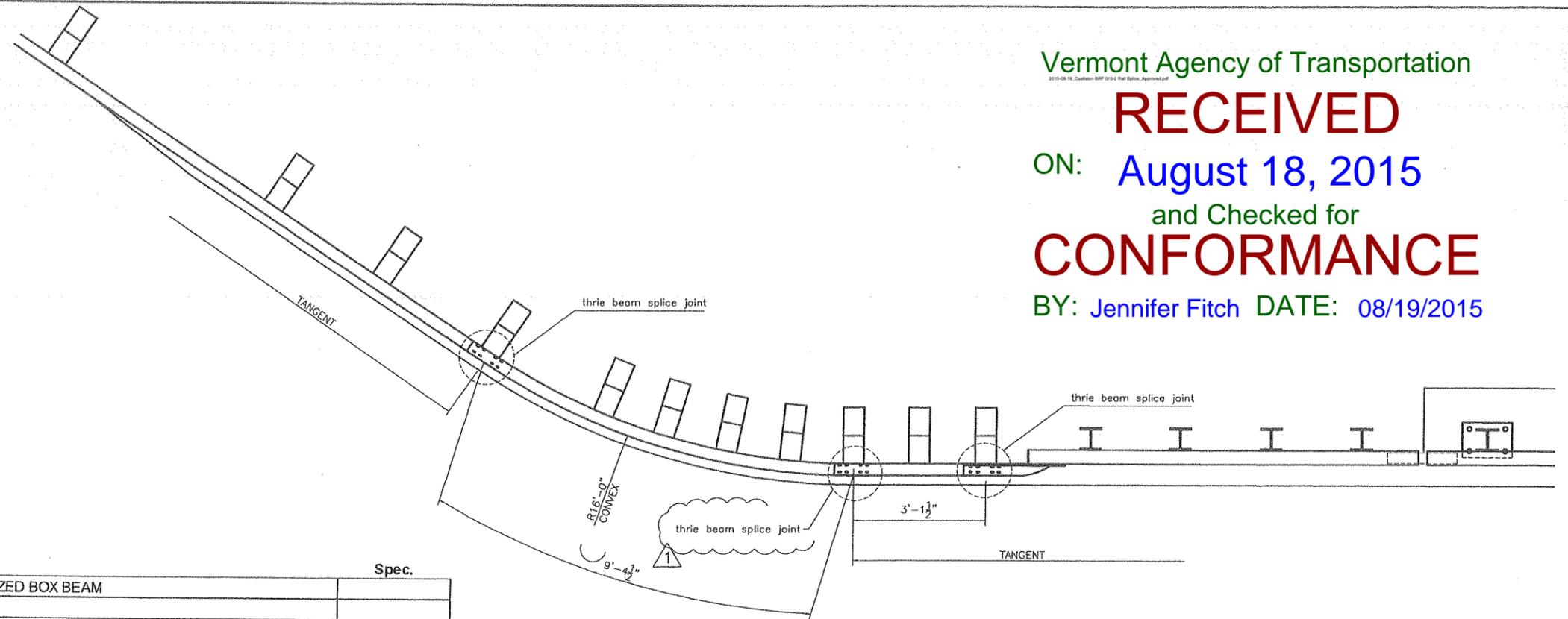
RECEIVED

ON: August 18, 2015

and Checked for

CONFORMANCE

BY: Jennifer Fitch DATE: 08/19/2015



BILL OF MATERIAL

Qty	mk	Description	Spec.
4 EA		ITEM 621.72 GUARDRAIL APPROACH SECTION 2 RAIL GALVANIZED BOX BEAM	
4	01	W6x25 APPROACH POST - #1 x 8'-0" OAL (GALV)	A709 gr 50
4	02	W6x25 APPROACH POST - #2 x 8'-0" OAL (GALV)	A709 gr 50
4	03	W6x25 APPROACH POST - #3 x 8'-0" OAL (GALV)	A709 gr 50
4	04	W6x25 APPROACH POST - #4 x 8'-0" OAL (GALV)	A709 gr 50
4		UPPER RAIL APPROACH TUBE HSS 8 x 4 x 5/16 x 9'-4.000" w/ 3.500 SLOTS FOR 4" EXP GAP (GALV)	A500 gr B
4		LOWER RAIL APPROACH TUBE HSS 4 x 4 x 5/16 x 9'-4.000" w/ 3.500 SLOTS FOR 4" EXP GAP (GALV)	A500 gr B
4		CONNECTION PLATE PL 0.375" x 20.000" x 27.000" (GALV)	A709 gr 36
2		DEFLECTOR PLATE (RIGHT) PL 0.375 x 4.000 x 13.375 (GALV)	A709 gr 36
2		DEFLECTOR PLATE (LEFT) PL 0.375 x 4.000 x 13.375 (GALV)	A709 gr 36
4		END CAP FOR 8x4 TUBE 0.187 THICK PLATE 8.000 x 4.000 w/ WELDED TABS (GALV)	A709 gr 36
4		END CAP FOR 4x4 TUBE 0.187 THICK PLATE 4.000 x 4.000 w/ WELDED TABS (GALV)	A709 gr 36
4		(ANGLED) SPLICE TUBE (EXPANSION) FOR 8x4 UPPER RAIL HSS 7 x 3 x 3/8 x 1'-11.750" OAL (GALV)	A500 gr B
4		SPLICE TUBE (EXPANSION) FOR 4x4 LOWER RAIL HSS 3 x 3 x 5/16 x 1'-11.750" OAL (GALV)	A500 gr B
32		WOOD POST (WP1) 6 x 8 x 7'-0"	TIMBER
32		WOOD BLOCKOUT (WB1) 6 x 8 x 1'-6"	TIMBER
4		WOOD POST (WP2) 6 x 8 x 7'-0"	TIMBER
4		WOOD BLOCKOUT (WB2) 6 x 8 x 1'-6"	TIMBER
4		WOOD POST (WP3) 6 x 8 x 7'-0"	TIMBER
4		WOOD BLOCKOUT (WB3) 6 x 8 x 1'-2"	TIMBER
4		THRIE FLAT LIP BRIDGE SHOE (MODIFIED) 10 GA. GALV	aashto M180 B2
4		THRIE TRANSITION PANEL 6'-3" / 3'-1 1/2" 10 GA. GALV.	aashto M180 B2
6		THRIE PANEL 12'-6" / 1'-6 3/4" 12 GA. GALV.	aashto M180 A2
2		THRIE PANEL 9'-4 1/2" / 1'-6 3/4" 12 GA. GALV. (RADIUS @ 16' R CONVEX)	aashto M180 A2
2		THRIE PANEL 3'-1 1/2" / 1'-6 3/4" 12 GA. GALV.	aashto M180 A2
92		ROUND HEAD POST BOLT slot or wrench head - no shoulder 3/4" DIA x 6" LG. (GLV) w/ LOCK NUT & FLAT WASHER	A449
4		ROUND HEAD POST BOLT slot or wrench head - no shoulder 3/4" DIA x 2" LG. (GLV) w/ HEX NUT	A449
8		ROUND HEAD POST BOLT - oval shoulder 5/8" DIA x 1'-8" LG. (GALV) w/ DBL RECESS NUT, FLAT WASHER	A307
68		ROUND HEAD POST BOLT - oval shoulder 5/8" DIA x 1'-6" LG. (GALV) w/ DBL RECESS NUT, FLAT WASHER	A307
32		HEX HEAD BOLT 5/8 x 1-3/4" (GALV) w/ FLAT WASHER	A325
140		PANEL SPLICE BOLT 5/8 x 1-1/4" (GALV) w/ DOUBLE RECESSED NUT	A307
76		RECTANGULAR PLATE WASHER 0.187 x 1.750 x 3.000 (GALV)	A709 gr 36
32		SPACER PIPE - GALVANIZED 3/4" SCH. 40 x 1/2" LONG (GLV)	A53 gr B

PLAN VIEW
SOUTHWEST CORNER
SEE SHEET 3 FOR ADDITIONAL TYPICAL APPROACH DETAILS & DIMENSIONS

SUBMITTAL REVIEW

REVIEWED AND APPROVED BUT ONLY FOR CONFORMANCE TO THE CONSTRUCTION CONTRACT DOCUMENTS

REVISE AND RESUBMIT

CORRECTIONS OR COMMENTS MADE DURING THIS REVIEW DO NOT RELIEVE THE CONTRACTOR OR HIS DESIGNER FROM COMPLIANCE WITH PROFESSIONAL REQUIREMENTS OR FOR RESPONSIBILITY FOR THE ADEQUACY OF THE SUBMITTAL INFORMATION. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH INDUSTRY STANDARDS AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. VHB HAS NOT CONDUCTED A DETAILED REVIEW OF THE SUBMITTAL AND HAS NOT PERFORMED CALCULATIONS OR ASSESSED THE ADEQUACY OF LOADS, DESIGN CRITERIA, QUANTITIES, DIMENSIONS, ETC. APPROVAL OF THE SUBMITTAL DOES NOT CONSTITUTE VHB'S APPROVAL OF ANY CONSTRUCTION MEANS, METHODS OR TECHNIQUES. THESE REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

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Job Number: 57632.00
Reviewed By: E.F. LAWES
Date: 8/18/2015

HIGHWAY SAFETY CORP
GLASTONBURY, CT
860-633-9445

ITEM 525.33 BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM (S-360A)
ITEM 621.72 GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM (S-360B)
BRF 015-2(10)
VT ROUTE 30 - BRIDGE 93
TOWN OF CASTLETON, RUTLAND COUNTY VT

CERTIFIED FABRICATOR

HSC JOB NO. 2043
SHEET NO. 4 of 4

GENERAL CONTRACTOR: LAFAYETTE
SUB CONTRACTOR: LAFAYETTE
DRAWN: PAR
CHECKED: DATE: 05-05-15
SCALE: NONE
SIZE: D