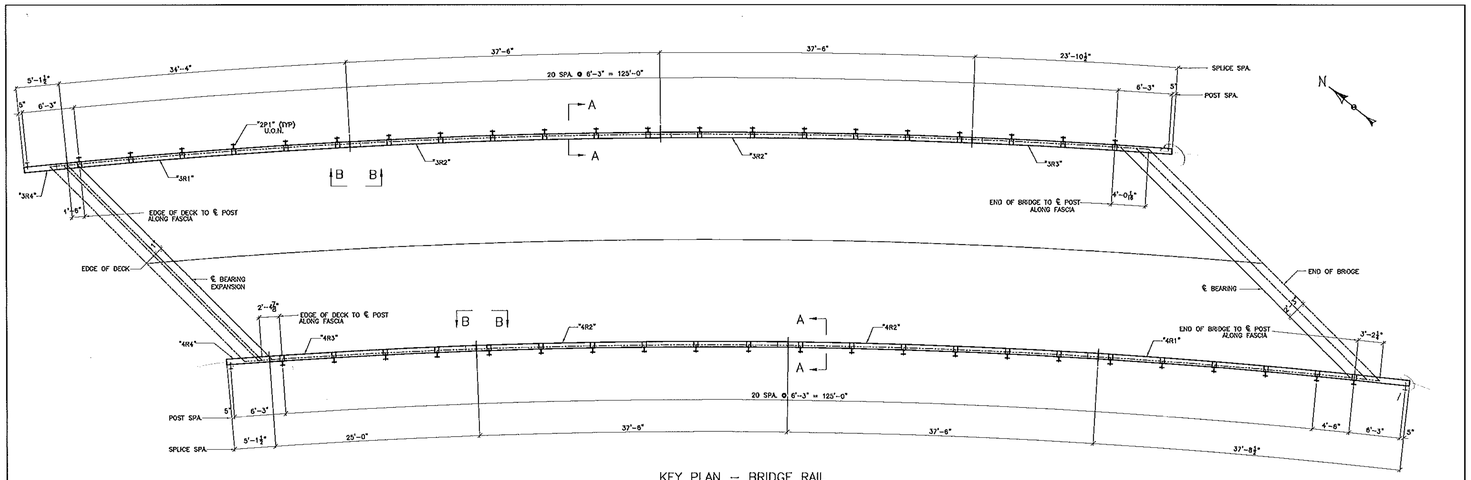


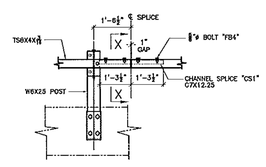
KEY PLAN -- BRIDGE RAIL

GENERAL NOTES:

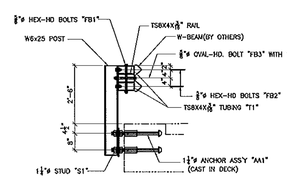
1. HEAVY DUTY STEEL BEAM GUARD RAIL SHALL CONFORM TO VT. SPECIFICATION SECTION 732.
2. STRUCTURAL STEEL TUBING SHALL CONFORM TO VT. SPECIFICATION SECTION 732 GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH (AASHTO M111) ASTM A123.
3. BRIDGE RAIL POSTS, SPECIAL WASHERS, PLATE WASHERS AND SPLICE BARS SHALL CONFORM TO (AASHTO M223) A572 GR50 GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH (AASHTO M111 ASTM A123.

FOLLOW THIS ON SHEET R2

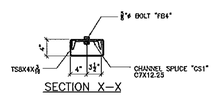
4. ALL BOLTS AND RELATED HARDWARE SHALL CONFORM TO (AASHTO M164) ASTM A325 TYPE 1 BOLTS, HOT DIPPED OR MECHANICALLY GALVANIZED PER SPECIFICATION.
5. ALL POSTS SHALL BE SET NORMAL TO GRADE.
6. SPLICES FOR THE STEEL BEAM GUARDRAIL SHALL LAP IN THE DIRECTION OF TRAFFIC.
7. ALL FIELD CUT OR DRILLED AREAS SHALL BE REPAIRED PER SECTION 513.
8. ALL FLAT WASHERS SHALL CONFORM TO ASTM F436.
9. ALL NUTS SHALL CONFORM TO ASTM A563, GRADE DH



SECTION B-B (TYP. SPLICE)



SECTION A



SECTION X-X

NOTES:

1. ALL DIMENSIONS ARE ALONG FACE OF RAIL U.O.N.
2. ALL EXPOSED CUT OR SHEARED EDGES SHALL BE ROUNDED TO A $\frac{1}{16}$" RADIUS AND BE FREE OF BURRS PRIOR TO GALVANIZING.
3. SEAL WELD ALL CONNECTIONS, WHERE POSSIBLE, PRIOR TO GALVANIZING.

Vermont Agency of Transportation

RECEIVED

CK'D BY GML OK'D BY JTS

3:46 pm, Mar 26, 2012

RESUBMIT ..... APPROVED AS NOTED

BY KMH DATE 3/28/2012

ERECTION BOLTS W/NUTS				WASHERS		FINISH
QUAN.	SIZE	LENGTH	TYPE	FLAT	BEV.	GALV. AASHTO M232

FINISH	HOT DIPPED GALVANIZED				
MATERIAL	AASHTO M270 GR. 36				
HOLES	AS NOTED				
ELECTRODES	PER W.P.S.				
WELDS	AS NOTED				
SURFACE PREP	SSPC-SP8	1	3/23/12	PER APPROVAL	JAC
		NO	DATE	DESCRIPTION	BY

REVISIONS

ARC ENTERPRISES, INC.

ADVANCED RESOURCES & CONST. ENTERPRISES, INCORPORATED
P.O. BOX 120 WINDSFIELD, ME. 04947
PHONE: (207) 265-2848 - FAX: (207) 265-4054

DRAFTER JAC	BRIDGE RAIL KEY PLAN		PROJECT NO. BRO 1442(28)
DATE 2/8/12	VERMONT AGENCY OF TRANSPORTATION, TOWN OF SPRINGFIELD, TH 6 CLASS III, LOCAL ROAD		DWG. NO. R1
CHECKED MTD	O.C. T. BUCK CONSTRUCTION, INC.		
JOB 11-175			

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