



SHOP DRAWING REVIEW

ANODIZED

REVIEWED AS REQUIRED BY THE CONTRACT DOCUMENTS AND APPROVED FOR CONFORMANCE BY THE CONTRACTOR. THE ANODIZING SHALL BE IN ACCORDANCE WITH ASTM FED. STD. A135, TYPE II, CLASS 1 WITH A MINIMUM THICKNESS OF 0.7 MILS AND A MIN. HEIGHT OF 35 MILS IN THE UNPAINTED AREAS. THE ANODIZING SHALL BE FIELD PAINTED BLACK TO MATCH THE MARKED RAIL. TOUCH UP POINT SHALL BE PROVIDED BY THE CONTRACTOR.

VHB Vermont Highway Bridge, Inc. 1000 Main Street, Waterbury, VT 05671. Phone: 802 844 0888. Fax: 802 844 0889.

Job Number: 01210
 Reviewed By: [Signature]
 Date: 3/15/07

GENERAL NOTES

ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001 AND ITS LATEST REVISIONS.

DESCRIPTION	ASTM	ALLOY/GR.	REMARKS
RAIL POSTS, BRACE, SPLICES & BALLASTERS FRAMES	B221	6061-T6 OR 6301-T5	MIN. YIELD STRENGTH Fy = 35,000 psi.
BALLASTERS	B221	6061 OR 6301	TA - USED FOR SUPERIOR EXPANDING QUALITIES
PLATES	B318	6061-T6	BUTTON HD., CONE PT.
STEEL BOLTS FOR BALLASTERS	F438	GRADE 4H	
STAINLESS STEEL BOLTS	A193	GRADE B8	
ANCHOR BOLTS	A449	GRADE 4H	GALV. A153
STEEL BOLTS	A449	GRADE 4H	GALV. A153
STEEL WASHERS	F438	GRADE 4H	GALV. A153
ANCHOR PLATES	A449	GRADE 4H	GALV. A153
ALUMINUM WASHERS	B209	2024-T4	ALCLAD SECTION 731.01 OR 731.02
ELECTRODES FOR WELDING	AWS	A5.10 E60356	

POSTS TO BE NORMAL TO GRADE AND RAILS SHALL BE PARALLEL TO GRADE. RAILS TO BE ATTACHED TO A MINIMUM OF THREE POSTS WHEN POSSIBLE. ALL RAILS AND WELDS TO BE FREE FROM ALL BURRS AND ROUGH EDGES. ENDS OF TUBE SECTIONS SHALL BE SAVED OR WELDED. GRIND ALL CUT EDGES SMOOTH.

ALL THREADS TO BE UNC CLASS 2A/2B.

IF CUT THREADS ARE USED, BOLT DIAMETER SHALL NOT BE LESS THAN NOMINAL DIAMETER. IF BOLTED THREADS ARE USED, BOLT DIAMETER SHALL NOT BE LESS THAN THE ROOT DIAMETER OF THREADS.

THE SPLICE BAR SHALL BE ATTACHED TO THE RAIL ELEMENT AS FOLLOWS: THE RAIL SPLICE AT THE BRIDGE EXPANSION JOINT SHALL BE FASTENED ON BOTH SIDES OF THE RAIL SPLICE USING THE PARTIALLY THREADED BOLTS, WITH THE WASHER FACED BOLT, TIGHTENED SECURELY TO THE END OF THREADS, AND LEAVING A 1/8" GAP. THIS ALLOWS EXPANSION ON BOTH SIDES OF THE JOINT.

ALL NUTS SHALL COMPLY WITH AMERICAN HEXAGON ANS SPECIFICATIONS B18.2

BRIDGE No. 50
 PROJECT No. VRF 020-2 (32)
 ITEM No. 025.23

APPROVED: [Signature] DATE: 01/24/07
 CHECKED: [Signature] DATE: 01/24/07

L.B. FOSTER COMPANY
 1018 GREENLEAF ROAD
 PITTSBURGH, PENNSYLVANIA 15220

FOR: A. D. ROSS CORPORATION
 VERMONT AGENCY OF TRANSPORTATION
 TOWN OF WOODSTOCK, COUNTY OF WINDSOR
 12-LINE SEMI-CLIP ALUM. BRIDGE RAIL FOR US RTE 4 OVER THE OTTAUQUECHEE RIVER - GENERAL NOTES AND TYP. DETAILS

DATE: 01/20/07, JOB No. A80361, SHEET No. ONE
 CHECKED: 01/24/07, DRAWING LBR, REV. No. ONE