SECTION A-A

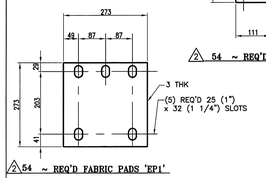
TYPICAL ANCHOR BOLT SETTING

2 270 ~ REQ'D ANCHOR BOLTS AB1

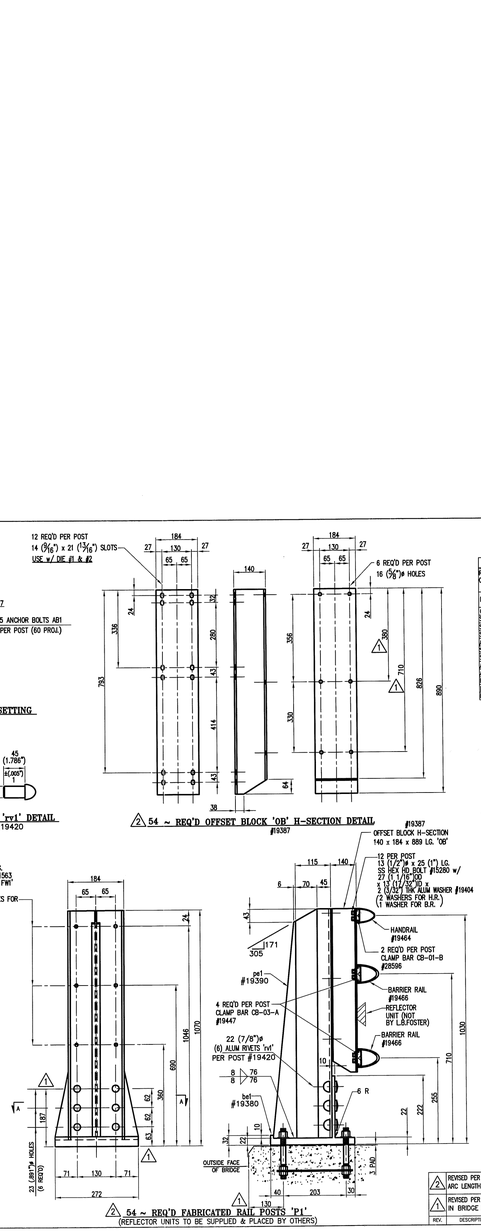
RIVET 'rv1' DETAIL
#19420

2 54 ~ REQ'D OFFSET BLOCK 'OB' H-SECTION DETAIL
#19387

2 54 ~ REQ'D ANCHOR PLATE AP1
#31286



2 54 ~ REQ'D FABRIC PADS 'FP1'



2 54 ~ REQ'D FABRICATED RAIL POSTS 'P1'
(REFLECTOR UNITS TO BE SUPPLIED & PLACED BY OTHERS)

GENERAL NOTES

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

DESCRIPTION	ASTM	ALLOY/GR.	REMARKS
RAILS, POSTS, BASES, SPLICES, CLAMP BARS, PINS,	B221	6061-T6 OR 6351-T5	MIN. YIELD STRENGTH Fy = 240 MPa (35,000 psi.)
RIVETS	B316	6061-T6	BUTTON HD., CONE PT., COLD DRIVEN
OFFSET BLOCKS (H-SECT.)	B308/B221	6061-T6	
STAINLESS STEEL BOLTS	A193	GRADE B8	
STAINLESS STEEL HEX NUTS	A194	GRADE 8M	
STAINLESS WASHERS	A240	TYPE 304	
ANCHOR BODS	A449		GALV. A153
STEEL HEX NUTS	A563	GRADE DH	GALV. A153
STEEL WASHERS	F436		GALV. A153
ANCHOR PLATES	A569/A36		COMMERCIAL QUALITY (PLAIN)
ALUMINUM WASHERS	B209	2024-T3	
PREFORMED PADS			SECTION 731.01 OR 731.02
SHIM-UP PLATES	A36		GALV. A123
ELECTRODES FOR WELDING		AWS A5.10 ER5356	

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 SAWED OR MILLED. GRIND ALL CUT EDGES SMOOTH.

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

ALL EXTRUSION TOLERANCES NOT SHOWN SHALL BE IN ACCORDANCE WITH ASTM B221.

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

THE RAIL SPLICE AT THE BRIDGE EXPANSION JOINT SHALL BE FASTENED ON BOTH SIDES OF THE RAIL SPLICE USING THE PARTIALLY THREADED WASHER-FACED BOLT OR THE PARTIALLY THREADED BOLT WITH A WELDED WASHER, TIGHTENED SECURELY TO THE END OF THREADS, AND LEAVING A 3 (1/8") GAP. THIS ALLOWS EXPANSION ON BOTH SIDES OF THE JOINT.

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

FASTENERS & HOLES WILL BE SUPPLIED IN STANDARD US EQUIVALENT UNITS FOR THE METRIC DESIGNATIONS.

ANODIZED

- ALL ALUM. COMPONENTS SHALL BE ANODIZED TO A BLACK (HARD SATIN FINISH) COLOR, FED. STD. COLOR No. 27038. THE ANODIC COATING SHALL BE ARCHITECTURAL CLASS I WITH A MIN. THICKNESS OF 0.7 mils AND A MIN. WEIGHT OF 35 mg/sq in
- ALL VISIBLE STN. STL. HARDWARE SHALL BE FIELD PAINTED BLACK TO MATCH THE ANODIZED RAIL. TOUCH UP PAINT SHALL BE PROVIDED.
- SAMPLES SHALL BE SUBMITTED FOR THE ENGINEER'S APPROVAL.

NO.	DESCRIPTION	BY	DATE
2	REVISED PER ERROR ON ARC LENGTH LB2 SOUTH	Dd	07 12 05
1	REVISED PER VTDOT CHGS IN BRIDGE LENGTH	CMS	01 30 06

BRIDGE No. 60
PROJ. No: BRS 0113 (22) ITEM 525.22

APPROVED: _____ REG'D APPROVAL _____ DRAWING _____

L.B. FOSTER COMPANY
1015 GREENTREE ROAD
PITTSBURGH, PENNSYLVANIA 15220

FOR: A. D. ROSSI CORPORATION
VERMONT AGENCY OF TRANSPORTATION
TOWN OF HARTLAND, COUNTY OF WINDSOR
3-LINE SEMI-ELLIP. ALUMINUM BRIDGE RAIL FOR U.S. RTE. 5 OVER LULLS BROOK - GENERAL NOTES AND TYPICAL DETAILS

MADE CMS DATE 05/25/05 JOB No. AR0200 CUST. No.
CHECK Dd DATE 11/7/05 DRAWING LB1 REV. No. 2