

FASCIA MOUNTED WITHOUT CURB 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.
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 GRADE.
6. SPLICES FOR THE STEEL BEAM GUARD RAIL SHALL LAP IN THE DIRECTION OF TRAFFIC.
7. ALL FIELD CUT OR DRILLED AREAS SHALL BE REPAIRED PER SECTION 813.
8. ALL FLAT WASHERS SHALL CONFORM TO ASTM F436. A
9. ALL NUTS SHALL CONFORM TO ASTM A563, GRADE H. A

| BILL OF MATERIAL | | | | | | |
|------------------|------|--|----------|---------|--|--------------------|
| MARK OR USE | QTY. | SHAPE | SHAPE | | REMARKS | |
| | | | FT. | IN. | | |
| * RAIL | 2 | T.S. 8"x4"x3/16" WALL | 35 | 11 1/2 | ASTM A500GRB | |
| * RAIL | 2 | T.S. 8"x4"x3/16" WALL | 29 | 6 | ASTM A500GRB | |
| * RAIL | 4 | T.S. 8"x4"x3/16" WALL | 5 | 0 1/2 | ASTM A500GRB | |
| CHANNEL SPLICE | 6 | C7X9.8 | 2 | 6 1/2 | ASTM A36 | W/4-5/8" H.S. NUTS |
| SPLICE BOLT | 24 | 5/8" HEX BOLT | 1 | 1 1/2 | ASTM A325(AASHTO M164)TYPE1 W/FW | |
| BLOCKOUT | 44 | T.S. 8"x4"x3/16" WALL | | 6 | ASTM A500GRB | |
| BLOCKOUT BOLT | 44 | 5/8" HEX BOLT | | 1 3/4 | ASTM A325(AASHTO M164)TYPE1 W/N,2FW | |
| POST BOLT | 30 | 5/8" HEX BOLT | | 10 | ASTM A325(AASHTO M164)TYPE1 W/SP,FW,N,FW | |
| RAIL BOLT | 22 | 5/8" HEX BOLT | | 1 1/2 | ASTM A325(AASHTO M164)TYPE1 W/N,2FW | |
| CORRUGATED RAIL | 12 | 10 GAGE CORRUGATED | 13 | 6 | (AASHTO M180 CLASS B, TYPE 2) A | |
| POST ASSY. | 22 | | | | | |
| FASCIA PLATE | 22 | PL 1/2"x7 1/2" | 1 | 2 3/16 | ASTM A36(AASHTO M183) | |
| TOP PLATE | 22 | PL 1/2"x7 1/2" | | 6 11/16 | ASTM A36(AASHTO M183) | |
| WEB PLATE | 22 | PL 1/2"x7 1/2" | AS REQ'D | | ASTM A36(AASHTO M183) | |
| POST | 22 | W6X25 | 3 | 6 1/2 | ASTM A572 GR50(AASHTO M223) | |
| POST | 8 | W6X9 | 6 | 0 | ASTM A709 GR36(AASHTO M270 GR 250) A | |
| CORRUGATED BOLT | 96 | 5/8" BUTT ON HEAD OVAL SHOULDER CORRUGATED SPLICE BOLT | | 1 1/4 | ASTM A307 W/DL,REC. N | |

* THE DROP-WEIGHT TEAR TEST IN SECTION 732 SHALL NOT APPLY TO THE STRUCTURAL TUBING.

Vermont Agency of Transportation
RECEIVED

OK'D BY TCF OK'D BY JTS

1:43 pm, Apr 27, 2010

RESUBMIT _____ APPROVED X
BY KMH DATE 4-27-10

ALL DIMENSIONS MUST BE FIELD VERIFIED BY CONTRACTOR PRIOR TO FABRICATION

PAY LIMIT FOR SPECIAL PROVISION RAIL=150,000FT.(APPROX.)

| | | | |
|---|-----------------|--------------------|---------------------|
| DRAWN BY: JJP | DATE: 4/9/10 | CHECKED BY: DCK | SHEET NO. 3 OF 3 |
| BRIDGE RAILING LAYOUT B.O.M. VERMONT AGENCY OF TRANSPORTATION MENARD ROAD BRIDGE (STA. 11+55.00) OVER AYERS BROOK IN THE TOWN OF BRANTREE IN THE COUNTY OF ORANGE | | | |
| CONT. NO. BRO 1444(36) | | REGION NO. N/A | |
| ERECTOR: VERMONT RECREATIONAL SURFACING & FENCING, INC. | | | |
| FABRICATOR: DI HIGHWAY SIGN & STRUCTURE CORPORATION P.O. BOX 123(40 GREENMAN AVE.) NEW YORK MILLS, N.Y. 13417 | | JOB NO. V04-02 | |

041 Bridge Rail