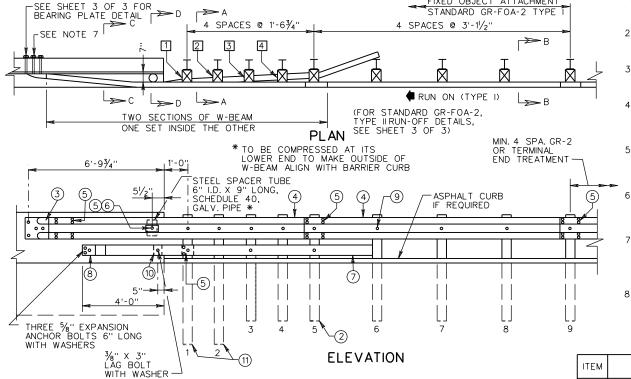


NOTES:

- 2. BRIDGE RAIL ENDS AND BRIDGE PARAPETS MUST BE OF ADEQUATE STRENGTH TO ACCEPT FULL IMPACT LOADING.
- 3. GUARDRAIL COMPONENTS SHALL BE IN ACCORDANCE WITH VDOT ROAD AND BRIDGE STANDARDS.
- 4. POSTS 1, 2, 3, 4, AND 5 REQUIRE AN ADDITIONAL HOLE TO ATTACH LOWER BLOCKS AND/OR RUBRAIL. RUBRAIL IS NOT BOLTED TO POSTS 2 AND 4.
- 5. BOTTOM WOOD BLOCKS LOCATED ON POSTS 1 THROUGH 4 ARE CENTER DRILLED AND SECURED WITH 56" CARRIAGE BOLTS. (LENGTH AS REQUIRED).
- 6. RUBRAIL MUST BE TWISTED 35° BETWEEN SECTIONS C-C AND D-D. SHOP FABRICATION MAY BE REQUIRED. RIGHT HAND AND LEFT HAND TWISTS WILL BE NECESSARY.
- 7. APPROPRIATE LENGTH %" ASTM A325 HEX BOLTS WITH WASHERS MUST BE USED WITH THRU DRILLED HOLES WITH A %" BEARING PLATE ON THE BACK SIDE OF THE BRIDGE PARAPET OR CONCRETE BARRIER.
- 8. SEE SHEET 3 OF 3 FOR RUBRAIL BLOCKOUT DETAILS.

MATERIAL/SPECIFICATIONS/NOTES



NOTE:

RUBRAIL MUST BE TWISTED 35° BETWEEN SECTION C-C AND D-D. SHOP FABRICATION MAY BE REQUIRED. RIGHT HAND AND LEFT HAND TWISTS WILL BE NECESSARY.

TWO SECTIONS OF W-BEAM ONE SET INSIDE THE OTHER 27¾"MIN 28¾"MAX <u>-</u>6

- 5/8" CARRIAGE BOLT, & NUT.

SEE NOTES

4 & 5

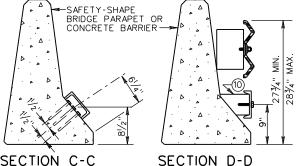
6'-0''

SECTION B-B

NEW BRIDGE - ATTACHMENTS ONE-WAY TRAFFIC-RUN-ON, 2-GR-FOA-2, TYPE I -RUN-OFF, 2-GR-FOA-2, TYPE II TWO-WAY TRAFFIC-RUN-ON, 4-GR-FOA-2, TYPE I

FIXED OBJECT ATTACHMENT

EXISTING BRIDGE ATTACHMENTS AS SHOWN ON PLANS.



SECTION D-D

(11)

WASHER FOR %" BOLT ST'D. W6 X 8.5 OR W6 X 9 STEEL POST W/ ST'D. 6" X 8" X 14" LG. TREATED PINE BLOCK OR RECYCLED MATERIAL (3) STANDARD W-BEAM TERMINAL CONNECTOR 4 STANDARD W-BEAM RAIL 5%"X 2" LONG GUARDRAIL BOLT AND RECESSED NUT (SEE STANDARD GR-HDW) RECTANGULAR PLATE WASHER (SEE STANDARD 6 GR-HDW) BENT PLATE RUBRAIL (SEE SHEET 3 OF 3) (8) C6 X 8.2 RUBRAIL (SEE SHEET 3 OF 3) (9) 5/4" X 10" LG. HEX BOLT, NUT AND WASHER WOOD BLOCKOUT FOR RUBRAIL (SEE SHEET 3 OF 3)

SPECIFICATION W-BEAM GUARDRAIL - FIXED OBJECT ATTACHMENT REFERENCE

(W BEAM OMITTED)

FOR USE WITH SAFETY SHAPE - (STEEL POSTS) VIRGINIA DEPARTMENT OF TRANSPORTATION

 \mathbb{V} DOT

ROAD AND BRIDGE STANDARDS

REVISION DATE 7/11

W8 X 13 X 7'-6" LG. STEEL POST WITH STD. 6" X 8" X 14" LG. TREATED PINE BLOCK OR

RECYCLED MATERIAL

SHEET 2 OF 3 501.29

505

SECTION A-A