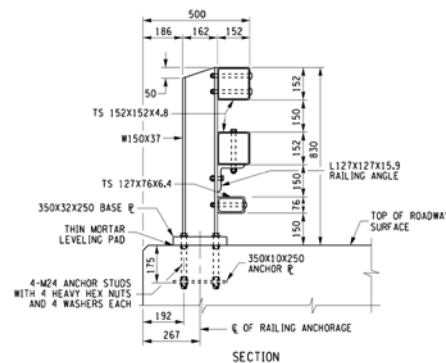


Section 3

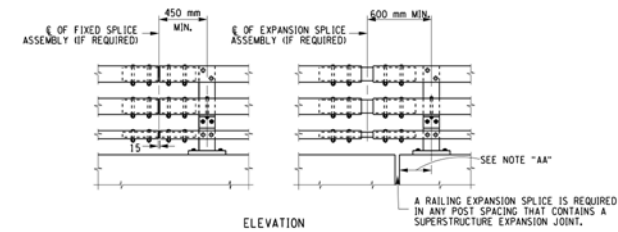
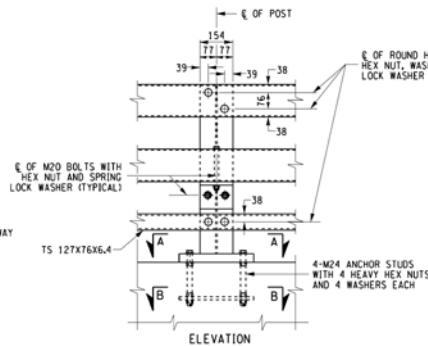
Steel Tube Bridge Rail Attached to Curb

Three-Rail Barrier

BD-RS1
R2



STEEL BRIDGE RAILING
(THREE-RAIL - CURBLESS)
SCALE 1:10



STEEL BRIDGE RAILING SPLICE DETAILS
(THREE-RAIL - CURBLESS)
SCALE 1:20

DESIGNER NOTES:

NOTE "AA":
THE MINIMUM DISTANCE FROM THE POST TO AN EXPANSION JOINT SHALL BE DETERMINED BY THE MINIMUM EDGE DISTANCE OF 125 mm FROM ANY ANCHOR STUD TO THE END OF THE SLAB, OR TO THE EXPANSION JOINT RECESS POUR, IF ONE IS USED. ON PRESTRESSED CONCRETE BRIDGES, THE POST SHALL BE LOCATED TO MINIMIZE ANCHOR PLATE/END BLOCK REINFORCEMENT CONFLICTS. POST SPACING SHALL BE ADJUSTED ACCORDINGLY.

THE MAXIMUM CENTER TO CENTER SPACING OF RAILING POSTS IS 2.5 m. THESE RAILINGS ARE ADEQUATE FOR A TL-4 (PL-2) SERVICE LEVEL.

FOR SECTIONS A-A & B-B, SEE BD-RS1.

FOR SPLICE DETAILS, SEE BD-RS8.

FOR DETAILS OF RAILING ANGLE, SEE BD-RS3.

FOR DETAILS OF ROUND HEAD BOLT, SEE BD-RS3.

FOR TRANSITION DETAILS, SEE BD-RS4.

NOTES:

ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.

PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 2 mm.

BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 135 N-m).

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.

ISSUED 4/7/98	STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN AND CONSTRUCTION DIVISION
REVISED	
2/1/00	STEEL BRIDGE RAILING TWO-RAIL AND THREE-RAIL
11/5/01	
APPROVED: 11/5/01 ORIGINAL SIGNED BY JAMES M. O'CONNELL, PE DEPUTY CHIEF ENGINEER (STRUCTURES)	ISSUED UNDER E1 98-012 EFFECTIVE WITH THE LETTING OF 10/22/98