

NOTES (Continued):



10. Holes in rail bars shall be field - drilled and shall be coated with an approved zinc - rich paint prior to erection.

11. Bolts in expansion joints shall be tightened only to a point that will allow rail movement.

12. The alternate curb projection shown for the curb - mounted railings is intended for use with granite bridge curb.

13. If there is a conflict between these Standard Details and the Design Drawings, the Contractor shall notify the Resident immediately.

MATERIALS:

Rail bars & rail splice bars ..... ASTM A500, Grade C   
Rail posts, base plates  
& fabricated splice bars ..... AASHTO M 270M/M 270, Grade 50  
All other shapes & plates ..... ASTM A36/A36M   
Anchor bolts, washers & heavy hex nuts ..... AASHTO M 314, Grade 105  
Rail attachment bolts ..... ASTM A449  
All other bolts & nuts (unless noted)..... ASTM A307 & ASTM A563,  
Grade D or DH

## STEEL BRIDGE RAILING

Supersedes 507(15)