

NOTES:

1. All work and materials shall conform to the provisions of Standard Specifications Section 507 - Railings.
2. All exposed cut or sheared edges shall be rounded and free of burrs.
3. All parts shall be galvanized after fabrication in accordance with AASHTO M III (ASTM A123), except that hardware shall meet the requirements of AASHTO M 232 (ASTM A153) or ASTM F2329. Parts shall be blast - cleaned prior to galvanizing in accordance with SSPC - SP6.
4. Rail posts shall be set normal to grade unless otherwise indicated.
5. Lengths of rail bar shall be attached to a minimum of 2 rail posts and to at least 4 posts whenever possible.
6. Rail bar expansion joints shall be provided in any rail bay spanning a superstructure expansion joint. Expansion joint width shall be "X" at 45 °F and will be adjusted as directed by the Resident.
7. Holes for ribbed - neck bolts shall be field - drilled to an appropriate size to produce an interference fit with the bolts.
8. Rail post anchoring nuts shall be tightened to a snug fit and given an additional 1/8 turn.
9. All butt joint welds shall have a minimum penetration of 60 percent.
10. If there is a conflict between these Standard Details and the Design Drawings, the requirements of the Design Drawings shall be followed.

MATERIALS:

Rail bars.....	ASTM A500
All other shapes & plates.....	AASHTO M 270M/M 270, Grade 36
Threaded studs, washers & exposed heavy hex nuts.....	AASHTO M 314, Grade 105
All other bolts & nuts.....	ASTM A307, Grade C

BARRIER - MOUNTED STEEL BRIDGE RAILING