Frame and grate are designed to withstand HS25 loading.
Frame, grate, pipe, and all plates shall be designed to withstand HS25 loading.
All welds shall conform to AWS D1.5.
All welds shall be made with a minimum of 1010 or equivalent.
All anchor studs shall conform to AASHTO M270 Grade 36 Steel or equivalent.
All anchor bolts and nuts shall be Grade 1010 or equivalent.
All anchor studs shall be electric arc weld and complete fusion.
Upon completion of shop fabrication, all steel parts, including nuts and washers, shall be hot-dip galvanized in accordance with the standard specifications.
Welding to be performed in accordance with the ANSI/AASHTO/AWS D1.5 welding code.
All connections shall be seal welded along top and bottom horizontal seams of connections in addition to any required structural welds.
Frame shall be covered during the pouring of the deck concrete.
Prior to placing the grate, all debris shall be cleared from Frame A, grids to allow for proper seating of the grate and elimination of potential rocking hazards.
All anchor studs shall conform to AASHTO M169 or M164.
Washers shall conform to AASHTO M293.
All reinforcing steel in the deck and barriers shall not be stepped, field bent, or cut as approved by the engineer to avoid interference with the bridge scuppers.
Frame and grate shall be made with mitered corners (TYP.)
All anchor studs shall be electric arc weld and complete fusion.
Prior to placing the grate, all debris shall be cleared from Frame A, grids to allow for proper seating of the grate and elimination of potential rocking hazards.
All separately paid payment will be made for bridge scuppers and grates that are installed on the bridge deck for the bridge scupper (TYP.)
For location of scuppers, see superstructure plan of span.
No separate payment will be made for bridge scuppers and grates that are installed on the bridge deck for the bridge scupper (TYP.).