

200.2.19.2.2 Solid Stainless Steel Reinforcing Bars

Solid stainless steel reinforcing bars shall conform to the requirements of ASTM A276 and A955M "Deformed and Plain Stainless Steel Bars for Concrete Reinforcement" and shall be deformed stainless steel meeting the material requirements of AISI Grade 316LN, 2205, 2101, 2304 or UNS-S24100 (XM28). The minimum yield strength shall be 400 MPa. The design of the reinforcing bars, including hooks, development lengths and bar splices shall be based on a yield strength of 400 MPa.

Fabrication of the solid stainless steel reinforcing bars shall be such that the bar surfaces are not contaminated with deposits of iron and non-stainless steels. Solid stainless steel reinforcing bars shall be stored separately from carbon steel reinforcing bars.

All chairs or bar supports shall be non-metallic. Tie-wire shall be Grade 316L stainless steel except that tie wire used to tie solid stainless steel reinforcing bars to epoxy coated reinforcing bars may be epoxy coated wire.

200.2.19.3 Reinforcing Bars Projecting from the Webs of Precast Concrete Girders into Bridge Decks

All reinforcing bars projecting from the webs of precast concrete girders into bridge decks shall be either Type ASTM 1035 (MMFX2) reinforcing bars, or solid stainless steel reinforcing bars.

200.2.19.3.1 Type ASTM 1035 Reinforcing Bars

The minimum yield strength shall be 690 MPa. The design of the reinforcing bars, including hooks, development lengths and bar splices shall be based on a yield strength of 400 MPa.

200.2.19.3.2 Solid Stainless Steel Reinforcing Bars

Solid stainless steel reinforcing bars shall meet the requirements of Section 200.2.19.3 (Reinforcing Bars Projecting from the Webs of Precast Concrete Girders into Bridge Decks).

200.3 MISCELLANEOUS

200.3.1 THE CITY OF EDMONTON

The Contractor acknowledges having reviewed a copy of the Highway Transfer Agreement between the Province and The City of Edmonton dated March 15, 2005 and amended by amendment dated August 25, 2008 (the "City Agreement"). The Contractor shall take all such actions, or refrain from such actions, as are necessary so as to enable the Province to comply with the Province's obligations under the City Agreement in respect of the Project and the New Infrastructure.