## Section 717. — STRUCTURAL METAL

07/21/17–FP14

WFL Specification 08/01/14 7170010

Include the following when small amounts of structural metal are required. Show steel type on plans [either (a) or (b)].

Note: AASHTO M270 steel is not readily available for rolled shapes and small quantities.

### 717.01 Structural Steel.

Delete the text of this Subsection and substitute the following:

**(a) Structural carbon steel.** Structural carbon steel for riveted, bolted, or welded construction shall conform to ASTM A 36. In addition, steel for primary bridge members and fracture critical bridge members shall meet the supplementary requirements for Charpy V-notch test.

**(b) High-strength low-alloy structural (HSLA) steel.** High-strength, low-alloy structural steel, or steel requiring enhanced atmospheric corrosion resistance for riveted, bolted, or welded construction, use steel conforming to ASTM A 588. In addition, steel for primary bridge members and fracture critical bridge members shall meet the supplementary requirements for Charpy V-notch test.

**(c)** Subsection not used.

**(d) Bolts and nuts.** Conform to ASTM A 307.

**(e) High-strength bolts, nuts, and washers.** Conform to either AASHTO M 164 or AASHTO M 253, as specified. Use Type 3 bolts in combination with unpainted weathering structural steel.

WFL Specification 07/21/17 7170020

Include the following when steel snow pole holders are required.

### 717.06 Steel Pipe.

Delete the text of this Subsection and substitute the following:

Conform to the following:

**(a) Steel Pipe.** Furnish galvanized steel pipe conforming to ASTM A53, Type F, standard weight class, and plain ends for the designation specified in the contract.

**(b) Snow Pole Holders.** Furnish steel pipe conforming to ASTM A53, ASTM A106 or ASTM A500, standard weight class, and plain ends for the designation specified in the contract.

WFL Specification 07/21/17 7170030

Include the following in all projects.

### 717.07 Galvanized Coatings.

Delete the text of this Subsection and substitute the following:

When specified, galvanize steel according to AASHTO M 111.