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(April 6, 2015)

Monotube Sign Structures

Structural steel, except for cover plates, anchor rod templates and as otherwise shown in the Plans, shall conform to either ASTM A 572 Grade 50, or ASTM A 588. Cover plates shall conform to ASTM A 36.

Handhole cover screws shall conform to ASTM F 593, Grade 1.

Sign bracket bolts, nuts, and washers shall conform to Section 9-06.5(1).

Monotube splice bolts, mounting beam rods, and associated nuts and washers, shall conform to ASTM A 325, and shall be galvanized after fabrication in accordance with AASHTO M 232. Tension control bolts conforming to ASTM F 1852 may be used as monotube splice bolts, and if used shall be galvanized after fabrication in accordance with ASTM B 695 Class 55 Type I.

Anchor rods shall conform to ASTM F 1554 Grade 105, including supplemental requirements S2, S3, and S5. Nuts shall conform to ASTM A 563 Grade DH. Washers shall conform to ASTM F 436. Anchor rods shall be galvanized a minimum of 1'-0" at the exposed end in accordance with ASTM F 2329. Nuts and washers shall be galvanized in accordance with AASHTO M 232.