

SECTION - 05050 STRUCTURAL BASIC METAL MATERIALS AND METHODS

All work and materials shall conform to the Drawings and the provisions of MDOT SECTION 504 – STRUCTURAL STEEL, SECTION 505 – STUD WELDED SHEAR CONNECTORS, ANCHORS & FASTENERS and SECTION 700 – MATERIALS with the following modifications:

MODIFICATIONS:

Section 711.01 - Delete first paragraph and replace with: Steel pipe piles shall conform to the requirements of ASTM A252, Grade 3, with a minimum yield stress (Fy) greater than or equal to 50 ksi. Spiral welded pipe is not acceptable.

Section 713.01 - Delete the first paragraph and replace with the following: Highway bridge steel, which includes the RO-RO Ramp, shall meet the requirements of AASHTO M 270M/ M 270 (ASTM A 709/ A 709M), Grade 50.

Delete forth paragraph and replace with the following: All other structural steel shall conform to one or more of the following:

- ASTM A709, Grade 50
- ASTM A572, Grade 50
- ASTM A500, Grade B, Fy = 46 ksi
- ASTM A53, Grade B, Type E or S

Steel for ancillary bridge products shall conform to AASHTO M 270/ M270 (ASTM A 709/ A 709M) or one or more of the following:

- ASTM A36/ A36M
- ASTM A572/ A572M
- ASTM A588/ A588M
- ASTM A53
- ASTM A500, Grade B, Fy = 46 ksi
- ASTM A595 Grade C
- ASTM A786/ A786M
- ASTM A847
- ASTM A992/992M

*** END OF SECTION ***