

1 **SECTION 712 - MISCELLANEOUS**

2
3 Make the following amendment to said Section:

4
5 **(I) Amend 712.07(A) Frame and Cover** from line 98 to line 112 to read as
6 follows:

7
8 **"(A) Frame and Cover.** Frame and cover for manhole or
9 handhole shall meet requirements of AASHTO M 306."

10
11 **(II) Amend 712.07(B) Frame and Grate** from line 114 to line 132 to read as
12 follows:

13
14 **(B) Frame and Grate.** Cast iron frame and grate shall conform to
15 AASHTO M 306, unless steel is specified in the contract documents.

16
17 Steel frame and grate shall conform to ASTM A 283/A 283 M, Grade
18 D; ASTM A 27/A 27M, Grade 65-35; or ASTM A 47/A 47 M, Grade 35018.
19 Zinc coating shall be provided in accordance with ASTM A 123/A 123M.

20
21 Reinforcing steel for grate shall conform to Subsection 709.01 -
22 Reinforcing Steel. Frame and grate shall be cleaned thoroughly and
23 painted on all sides that will not be imbedded in concrete with one coat of
24 high-grade asphalt conforming to ASTM A 849, Class M, Fully Coated, at
25 shop. Second coat of paint shall be applied on all sides not imbedded in
26 concrete just before the pre-final inspection. Any damage to the zinc-
27 coating of a frame or grate shall be repaired in accordance with ASTM A780
28 using a Zinc-based solder coating.

29
30 Fabricated frame and grate shall be true to line and free of twists,
31 bends, and open joints. Splices will not be allowed. Cut surfaces and
32 edges shall be made smooth by machining or grinding before fabrication of
33 frame and grate.

34
35 Size and length of weld shall be as specified in contract documents.
36 Welds shall be free of defects, discontinuities and shall have full
37 penetration."

38
39
40
41
42 **END OF SUBSECTION 712.07**
43