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# EXPECTED IMPLEMENTATION JANUARY 2006

4001102

Bridge jobs

## 400 CONTACT AND BEARING SURFACES-FINISHING OF BEARING SURFACES. (REV 4-25-05) (FA 7-21-05) (1-06)

SUBARTICLE 400-11.2 (Page 350) is deleted and the following substituted:

**400-11.2 Finishing of Bearing Surfaces:** Construct bearings surfaces (areas) to the tolerances as specified herein and in the other parts of the Contract Documents. When using neoprene bearing pads, finish the concrete surface to a uniform 'rough' texture using a burlap drag, fine bristle broom or float. For metal or high load rotational bearings, fill minor depressions, 1/8-inch [3.2 mm] maximum, caused by finishing, bush hammering, or grinding with a low-viscosity epoxy meeting the requirements of 926-1, Type F-2, applied by the use of a squeegee. Bearing surfaces may be ground to final position with carborundum. Check all bearing surfaces with a metallic straightedge prior to setting bearings or neoprene pads.

### 400-11.2.1 Deviation from Specified Elevations for Steel Beam

**Superstructures:** Construct to the elevation shown on the plans plus or minus 0.01 feet [3 mm] and do not exceed a 0.01 feet [3 mm] difference between specified elevations of bearing areas of adjacent bearings measured between the centerlines of bearing areas.

### 400-11.2.2 Deviation from Specified Elevations for Concrete Beam

**Superstructures:** Construct to the elevation shown on the plans plus or minus 0.02 feet [6 mm].

**400-11.2.3 Projecting Irregularities:** Projecting irregularities will not exceed 1/16 inch [1.6 mm].

**400-11.2.4 Variations in Flatness for Neoprene Pads:** In any direction, the pad is to be flat to within 1/16 inch [1.5 mm]. Pads designated to be sloped are not to deviate from the theoretical slope by the same amount.

### 400-11.2.5 Variations in Flatness for Metal or High Load Rotational

**Bearings:** Construct the bearing area to the tolerance indicated for the measured length along the orthogonal axes.

Bearing area length up to 30 inches [750 mm] long to plus or minus 1/16 inch [1.6 mm].

Bearing area length over 30 inches [750 mm] up to 45 inches [1,150 mm] long to plus or minus 3/32 inch [2.5 mm].

Bearing area length over 45 inches [1,150 mm] long to plus or minus 1/8 inch [3.2 mm].

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