

# EXPECTED IMPLEMENTATION JANUARY 2010

## 993 OBJECT MARKERS AND DELINEATORS.

(REV 7-9-09) (7-20-09) (1-10)

SUBARTICLE 993-1.4(Page 975) is deleted and the following substituted:

**993-1.4 Posts:** The marker posts shall be of steel or aluminum as shown in the Design Standards or plans. Steel posts shall be 2.5 lb/ft. flanged U-Channel . The U-channel posts shall meet the mechanical requirements of ASTM A 499, Grade 60. Provide U-channel posts that have been galvanized after fabrication in accordance with ASTM A 123 and have a smooth uniform finish free from defects affecting strength, durability and appearance. For each U-channel, punch or drill 3/8 inch diameter holes on 1 inch centers through the center of the post, starting approximately 1 inch from the top and extending the full length of the post. Punching or drilling operations shall be completed prior to galvanization. The weight per foot of a manufacturer's U-channel size shall not vary more than plus or minus 3.5 % of its specified weight per foot. Machine-straighten the U-channel to a tolerance of 0.4 % of the length. U-channel posts shall be listed on the QPL. Round aluminum posts shall meet the requirements of Index 11860.

Use attachment hardware (nuts, bolts, clamps, brackets, braces, etc.) of aluminum or galvanized steel.

SUBARTICLE 993-2.3.1 (Page 975) is deleted and the following substituted:

**993-2.3.1 Posts:** The posts shall meet the requirements of 993-1.4, except the steel delineator post shall be 1.1 lb/ft.