

Design Standards Letter

Letter Number: **P-1992-05**

Letter Date: **12/15/1992**

Effective Date: **12/15/1992**

Section/Plan No.: **P609.15, P609.60, P616.10**

Subject: **Standard Plans Revisions and Revised D-2 Sheet**

Body

Enclosed are copies of revisions to Standard Drawing 609.15, Paved Ditches; Standard Drawing 609.60, Rock Ditch Liner; and Standard Drawing 616.10, Traffic Control Devices. Also, enclosed is a revised D-2 sheet. These revised standard drawings will be effective with the March, 1993 letting. A summary of the revisions follows:

Std. Dwg. 609.15C: All contraction and keyed joints have been eliminated. Welded wire fabric has been added. Toe walls are to be constructed at the inlet and outlet. Intermediate toe walls are added at 50 foot maximum spacing. Sod, geotextile fabric, or erosion control mat is required if called for on the plans or as directed by the engineer.

Std. Dwg. 609.60C: Drawing revised to eliminate concrete ditch liner and replace it with rock ditch liner. Typical ditch liner details are shown for flat bottom ditches with and without bedding material. Geotextile fabric is required if called for on the plans or as directed by the engineer.

Std. Dwg. 616.10P: Sheet 1 of 3. A wheel-type portable sign for daytime or nighttime use has been added. The notes for portable signs have been revised, specifically that signs for nighttime operation may be post mounted. The allowance for them to be barricade mounted has been deleted. A note was added to require portable nighttime signs to be vertical by + or - 5 degrees. A note was added to require portable daytime signs to be within 30 degrees of a vertical position.

A U-post splice detail has been added. The notes for non-portable sign mounting have been revised to require

any steel U-post splice stub or anchor post not extend more than 4 inches above the ground line. A note was added to require that all non-portable signs and posts be installed and maintained in a plumb position.

The requirement that the base of channelizers be non-reflective orange in color has been deleted.

Sheet 2 of 3. No Revisions.

Sheet 3 of 3. No Revisions.

Revisions to Chapter IX, Hydraulics and Drainage in the Policy Procedure and Design Manual concerning Standard Drawings 609.15C and 609.60C have been distributed in Design Manual Letter No. 6, dated November 24, 1992. General Letter No. 24, dated November 24, 1992 contains job special provisions for use with Standard Drawing 609.60C for Rock Ditch Liner is specified.

vij/sb