

Design Standards Letter

Letter Number: P-1996-03

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Effective Date: 02/14/1996

Section/Plan No.: P203.50, P203.75

Subject: New and Revised Metric Standard Plans

Body

Enclosed is a listing of new and revised metric standard plans, with a brief description of each. These standard plans are effective with the March, 1996 letting. The March lettings are being covered by inserting the appropriate standards into the plans.

The 1996 edition of the Metric Standard Plans Book will be available in the near future. It will be effective with the March, 1996 letting. The following standard plan additions and revisions are incorporated into the 1996 Metric Standard Plans Book.

Where possible we correlate metric standards to the English standards. However, because of wholesale changes necessary on the box culvert standards, many of the 703 series sheets in no way resemble their English counterparts. This was necessary because of changes in the AASHTO code since the existing standard plans were completed. The box culvert structures have totally been redesigned to accommodate hard metric sizes, metric reinforcing steel, and metric loading increments.

The single box culverts have changed the most significantly in this process. We no longer have any provision for single box culverts on rock in the standard designs. If a district has a single culvert on rock, it will need to be submitted as a normal bridge job.

The following is a description of the changes to each new or revised standard:

M203.50: Typical Crossovers (Divided Highway)

The standard was hard converted. This new metric standard plan includes 1.2 m inside shoulders. The English standard plan will be updated in the near future.

M203.75: Rumble Strips

This standard was hard converted. Adds a new standard plan showing details for the construction of asphaltic concrete and portland cement concrete rumble strips to be constructed in roadway shoulders.

vji/sa

Enclosure