

Design Standards Letter

Letter Number: **D-1994-15**

Letter Date: **10/17/1994**

Effective Date: **10/17/1994**

Section/Plan No.: **D2-05, D4-08, D8-01**

Subject: **English and Metric Design Manual Revisions - New Section 2-05 & Revision to Section 4-08 - English Design Manual Only Revision to Section 8-01**

Body

Attached are copies of revisions to the Design Division's Policy, Procedure and Design Manual. Section 2-05 and 4-08 are for both the English and Metric versions while Section 8-01 is only for the English version. The Metric update for Section 8-01 will be provided at a later date. Following is a summary of the revisions.

Contents, Volume I.

Revision date changed to 10-17-94. Section 2-05 has been added with a new date of 10-17-94.

The revision date for Section 4-08 has been changed to 10-17-94.

Table of Contents, Chapter II.

Revision date changed to 10-17-94.

Section 2-05 has been added to the table of contents.

Section 2-05, Value Engineering Policies and Procedures.

New date shown as 10-17-94.

This is a new section on value engineering. The contents of this section should be thoroughly reviewed for the district's responsibilities.

Section 4-08, Grading.

Revision date changed to 10-17-94.

Subsection 4-08.3(7) has been revised to address aggregate shoulders where very minimum shaping of shoulders is needed and for which payment for shaping shoulders is not provided. In this case payment of the aggregate shoulders is to be made by weight (mass) and a job special provision is indicated to be added by the Design Division.

Contents, Volume II.

Revision date changed to 10-17-94.

The revision date for Section 8-01 has been revised to 10-17-94.

Table of Contents, Chapter VIII.

Revision date changed to 10-17-94.

The table of contents for Section 8-01 has been revised to reflect the current contents, including figures which have been added or changed.

Section 8-01, Highway Lighting.

Revision date changed to 10-17-94.

This section has been extensively rewritten to reflect the current policies of the department. A highway lighting task force representing the Design Division and the Maintenance and Traffic Division have worked to resolve differences which existed between the Design and Maintenance and Traffic standards and to update our standards for lighting. Please review all parts of section 8-01 since most subsections have been revised. Pay particular attention to the following subsections:

Subsection 8-01.2(1)(a) has been revised to conform to AASHTO warrants for basic interchange lighting:

Subsections 8-01.2(2) & (3) have been revised to clarify the departments policy for these situations.

Subsection 8-01.4(1) has been revised to eliminate warrant form SP-21A.

Subsection 8-01.4(2) has been revised to include an average maintained intensity for basic lighting, to provide explanations for underpass lighting and high mast lighting, to change luminaire mounting heights as well as other miscellaneous changes.

Subsection 8-01.4(7) has been added to define lighting at signalized intersections.

Figures 8-01.1, 8-01.2, 8-01.3 have been revised to include lighting at the end of acceleration lanes.

Figure 8-01.5 has been added to show lighting at signalized intersections. Many of the figures numbers have been changed.

bh/kd

Enclosures