

Design Standards Letter

Letter Number: **D-1996-10**

Letter Date: **11/11/1996**

Effective Date: **11/11/1996**

Section/Plan No.: **D4-04, D4-09, D6-03**

Subject: **Revisions to Sections 4-04, 4-09 and 6-03**

Body

Enclosed are English and Metric revisions and additions to the Design Division's Policy, Procedure and Design Manual for the above noted sections and figures. Revisions are summarized as follows:

Contents, Volume I. Revision date changed to 11-11-96 for the Contents sheet and for Sections 4-04 and 4-09.

Table of Contents, Chapter IV. Revision date changed to 11-11-96.

Deleted 4-04.2 (13) (a) and 4-04.5 (1) and renumbered accordingly.

Added 4-09.1 (6) and 4-09.24 with corresponding subsections.

Section 4-04, Basic Design Criteria. Revision date changed to 11-11-96.

In Subsection 4-04.3 (4), deleted last part of third sentence which referred to rounding multilane runout lengths to the next 50' (10 m) increment. Designers should use the product obtained by multiplying the multilane factor by the runout length, as given in Standard Plans 203.20 and 203.21.

Section 4-09. Miscellaneous. Revision date changed to 11-11-96.

Added Subsection 4-09.1 (6), Color of Structural Steel Paint. This new subsection is a result of the Paint Systems for Bridges Quality Circle's recommendations to the Design Committee. Special attention should be paid to the details required of the agreement with the local entity.

In Subsection 4-09.8 (1), the definition of Approved Crashworthy End Terminal was changed to remove reference to the ET-2000 as the only approved crashworthy end terminal and make reference to any treatment passing the NCHRP 350 test criteria is allowable for use on the National Highway System.

In Subsection 4-09.8 (2), a sentence was added permitting the embedding of the guardrail end into an adjacent embankment or attaching to a solid rock face, thereby eliminating the need for an approved crashworthy end terminal.

Added new Subsection 4-09.24, Distribution Policy. This new subsection details the Design Division's policy on the distribution of materials maintained by the division. The distribution of these items is now the responsibility of the Support Center Design Division. If consultants, contractors, city or county personnel, or other governmental agencies request any of these materials, they should be directed to contact the Support Center, where their request will be handled accordingly.

Contents, Volume II. Revision date changed to 11-11-96 for the Contents sheet and for Section 6-03.

Section 6-03. Pavements. Revision date changed to 11-11-96 for the Contents sheet and for Section 6-03.

In Subsection 6-03.1 (3), added sentence to end of first paragraph stating the desirability of daylighting a 2' (0.6 m) rock base to the in-slope or fill-slope when sufficient Class C excavation material is available on the project.

Figures. Figures 8-04.13 are being distributed again to correct the error of the previous Design Manual Letter. The intent of the previous letter was to delete Figure 8-04.14

(Sample D-39) and replace with a new Figure 8-04.14. This fix corrects that error.

Please

replace all figures from 8-04.13 through 8-04.18 with these new figures.

Also, the previous letter distributed Figure M6-04.3 with a 12' roadway width. Please replace that metric figure with this figure, showing the correct 3.6m roadway.

dts