

# Design Standards Letter

Letter Number: **D-1986-14**

Letter Date: **11/06/1986**

Effective Date: **11/06/1986**

Section/Plan No.: **D4-06**

Subject: **Revisions to Volume I, Chapter 2, Figure 2-02.1 and Chapter 4, Section 4-6 text and figures.**

## Body

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Attached are copies of revisions to Volume I, Chapter 2, Figure 2-02.1 and Chapter 4, Section 4-6 text and figures.

**Figure 2-02.1 - Agency name and address for "Director of Archaeological Research of Missouri" has been changed to read "Manager, Archaeological Survey of Missouri, Room 329, Noyes Hall, University of Missouri, Columbia, Missouri 65211".**

**Section 4-06 - The entire section has been revised and reflects numerous changes and should be reviewed in its entirety to insure compliance with the changes.**

**Figure 4-06.1 Exit Ramp - Deceleration lane of 350 feet minimum added. Taper lengths decreased to 250 feet. Entrance Ramp - Acceleration lane distance has been increased to 600 feet minimum and note added, "See Table X-4 and X-5 in AASHTO "Green Book". Taper length for acceleration lane increased to 300 feet. Note "At least 100 feet beyond nose" removed from drawing. Ramp nose treatment and pavement width have changed and should be reviewed carefully.**

**Figure 4-06.2 - Exit Ramp - Dimensions for deceleration lane is changed to read "800 feet desirable minimum. See Table X-6 and X-5 in AASHTO "Green" Book". Entrance Ramp - Distance for acceleration lane is changed to read "See Table X-6 and X-5 in AASHTO "Green" Book, 600 feet minimum". Note, "To be at least 100 feet beyond nose" removed from drawing. Ramp nose treatment and pavement widths have changed considerably and should be reviewed carefully.**

**Figure 4-06.3 - The entire drawing has been changed and should be reviewed in its entirety to insure compliance with the changes.**

**Figure 4-06.4 - "Safety zones" in note have been changed to read "clear zones". The note "to be at least 100 feet beyond nose" has been removed from drawing. Taper length on nose of deceleration lane has been changed from 24 feet to 60 feet. The dimension 20 feet - "F" = 60 feet and 24 feet - "F" = 100 feet on acceleration lane has been changed to read "60 foot minimum ".**

**Figure 4-06.5 - Acceleration lane distance increased to 600 feet minimum and taper distance 300 feet. Note, "See sketches on diamonds and see Figures 4-06.1 and 4-06.4", have been replaced with "See other 4-06 figures".**

**Figure 4-06.7 - In note to designer, "safety zones" have been replaced with "clear zones". The 24 foot distance on nose taper of deceleration lane has been increased to 60 feet. Curbs are not specified along the outside of loop ramps except in clear zones.**

**Figure 4-06.8 - Taper changed from 10:1 to 60 feet, 100 feet and 120 feet on two lane minor road details.**

**Figure 4-06.9 - New drawing titled Lane Drops For One and Two Lane Ramps.**