

Design Standards Letter

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Letter Date: 07/03/2000

Effective Date: 07/03/2000

Section/Plan No.: Sections 2-02, 2-03, 2-06, 3-02, 4-02, 4-03, 4-05, 4-08, 5-03, 6-04, 6-05, 6-07, 8-01, 9-02, 9-05, 9-07, 9-10, Figures 1-01.1, 2-03.2, 4-02.13, 4-02.14, 4-07.1, 5-03.3 through 5-03.7, 9-05.3 and D-65

Subject: Project Development Manual Revisions

Body

 Questions concerning the distribution of the Project Development Manual revisions should be directed to General Headquarters, Design Standards Section, telephone numbers 573-526-2924 or 573-526-2903.

| NOTE | EXPLANATION |
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| 1 | The following revisions are effective July 3, 2000 (unless otherwise specified). |
| 2 | Kenny Voss, Standards Specialist (573-526-2924), will be handling all revisions to the Project Development Manual from this point on. Please direct all your inquiries or suggestions to him. |
| ITEM | DESCRIPTION OF REVISION |
| VOLUME I TABLE OF CONTENTS | Revision date changed for Contents sheets and Sections 2-02, 2-03, 2-06, 3-02, 4-02, 4-03, 4-05 and 4-08. |
| FIG 1-01.1 | Added numerous abbreviations. |
| 2-02 | Subs. 2-02.4 (6) (c), 2-02.4 (6) (c) 1., and 2-02.4 (6) (c) 2.: revised subsections referenced in Section 4-02 due to recent revisions to that section. |
| 2-03 | Subs. 2-03.11: inserted third bullet with guidelines for submitting information to General Headquarters Design regarding potential conflict of interests on projects. This information follows up General Letter No. 7, 2000. |
| FIG 2-03.2 | Sheet 3/3: changed note 1 from nine calendar days to 15 working days. |
| 2-06 | Subs. 2-06.6: in third paragraph, changed the number of approved |

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| | preliminary plans from one to three. |
| 3-02 | Subs. 3-02.7 (1): added cisterns to the to the necessary information for man-made features. |
| 4-02 | Subs. 4-02.13: inserted third paragraph with guidelines for submitting information to General Headquarters Design regarding potential conflict of interests on projects. This information follows up General Letter No. 7, 2000. |
| FIG 4-02.13 and 4-02.14 | Corrected Commission minute date. |
| 4-03 | Subs. 4-03.1 (3): added last sentence to first paragraph explaining that when separate contracts are awarded within the limits of one project, the design plans should specify any interfacing with other contracts. Subs. 4-03.17 (1) (f): added that an e-mail to the State Design Engineer regarding potential conflict of interest with commissioners should be sent at the same time the letter of transmittal is submitted. |
| 4-05 | Subs: 4-05.3 (3) (c): revised the formula for the auxiliary lane length. The last revision was incorrect. |
| FIG 4-07.1 | The median width for 6 lane principal arterial streets was changed to match Figure 4-07.4. |
| 4-08 | Subs: 4-08.1 (2): included the plugging and disposal of wells or cisterns and items to exclude from removal of improvements. Subs. 4-08.3 (1) (c): changed second sentence to state that the location of the balance points are determined from subtracting the excavation from the adjusted fill. Subs. 4-08.3 (1) (c) 1.: added next to last sentence suggesting that the district soils and geology technician should be contacted when selecting shrinkage and swell factors. Subs. 4-08.3 (2): revised last sentence to specify that linear grading should not be used where constructed bases are present. |
| VOLUME II TABLE OF CONTENTS | Revision date changed for Contents sheets and Sections 5-03, 6-04, 6-05, 6-07, 8-01, 9-05, 9-07 and 9-10. |
| CHAPTER V TABLE OF CONTENTS | Deleted figures in Section 5-03 and renumbered remaining figures accordingly. |
| 5-03 | Table 5-03.3: required clearance for all systems (widen bridges) was reduced to 2.0 ft. Metric value was correct and required no change. |
| FIG 5-03.3 | Figures 5-03.3 through 5-03.9 have been deleted and the remaining figures |

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| through 5-03.7 | (5-03.10 through 5-03.17) have been renumbered accordingly. |
| 6-04 | Subs. 6-04.4: revised fifth paragraph, first sentence to a Type B aggregate stabilized shoulder consisting of an 8 in. Type 1 or 2 base. |
| 6-05 | Subs. 6-05.13: revised the third paragraph to address Commission retained and contractor retained cold millings. A special provision has been renamed for Commission retained millings and a special provision has been created for contractor retained millings. |
| 6-07 | Subs. 6-07.2: inserted fourth paragraph explaining that when a higher type PG binder is warranted, that higher binder should be used only on the surface lift and the first underlying lift of the mixture. Subs. 6-07.5: modified the first sentence to detail when the plant mix bituminous surface leveling mix should be used. Other rules governing contract surface leveling course projects can be found in General Letter No. 8, 2000. |
| CHAPTER VIII TABLE OF CONTENTS | Changed the title of Figures 8-03.25 through 8-03.29 to correspond to the actual figure titles. |
| 8-01 | Subs. 8-01.4 (2) (a): corrected wattage to 450 watt lamps. |
| CHAPTER IX TABLE OF CONTENTS | Added Figure 9-05.3. Revised subsection titles in Section 9-07. |
| 9-02 | No revision date was made to this section. Corrected column headings in Table 9-02.3 under Magnitude of Flood. |
| 9-05 | Subs. 9-05.3: changed reference in second paragraph, third sentence to Figure 9-05.3 from Figures 9-02.1 through 9-02.10. |
| FIG 9-05.3 | This figure has been replaced in the manual due to reference to it in Subsection 9-05.3. This figure used to exist as Figure 9-02.2, but was removed when the new rainfall curves for each district were created. |
| 9-07 | Subs. 9-07.4 (1) and (2): incorporated the pre-cast drop inlets into the text. Previously, only the cast-in-place drop inlets were addressed. |
| 9-10 | Subs. 9-10.6: this paragraph now reads that a beveled end section should be on pipes 21 in. or less within the clear zone. Subs. 9-10.8: this paragraph now reads that a safety slope end section is required on all pipes greater than 21 in. within the clear zone. Basically, some sort of end treatment is required on all pipes that open in the clear zone. |
| D-65 | Changed the ditch depth to 2 ft. to correspond to Figure 4-04.1. This |

change also affected the width of the side slope.

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