

# Design Standards Letter

**Letter Number: D-2001-02**

**Letter Date: 01/08/2001**

**Effective Date: 01/08/2001**

**Section/Plan No.: D4-01, D4-03, D4-08, D4-09, D6-05, D7-01, D7-02, D7-03, D7-04, D8-02**

**Subject: Sections 4-01, 4-03, 4-08, 4-09, 6-05, 7-01, 7-02, 7-03, 7-04, 8-02, Figures 2-01.3, 2-01.4, 2-02.2, 4-03.5, 4-03.17, 7-02.1 thru 7-02.20, 7-03.1 thru 7-03.5, 7-03.10, 8-02.7, Design Forms D-37A**

**Body**

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 Questions concerning the Project Development Manual revisions should be directed to General Headquarters, Design Standards Section, Ken Shamet (573-526-4331) or Pat McDaniel (573-526-2903).

NOTE	EXPLANATION
<b>1</b>	The following revisions are effective January 8, 2001 (unless otherwise stated).
<b>2</b>	Ken Shamet, Standards Specialist (573-526-4331), 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
<b>VOLUME I TABLE OF CONTENTS</b>	Revision date changed for Contents sheets and for Sections 4-01, 4-03, 4-08 and 4-09.
<b>FIG 2-01.3</b>	Revised to add an (8) in the box at the end of the last row for both the English and Metric 10-Year Design ADT for the "Minimum Rural Design Standards - Resurfacing, Restoration and Rehabilitation (3R) Projects."
<b>FIG 2-01.4</b>	Revised to remove the "bridge safety index" as a condition for an exception for retention of other railing types in Item (8). Also added the English equivalent of 2 ft (0.6 m) to Item (3).

<b>FIG 2-02.2</b>	Revised routing instructions and information on sheet 1, and updated it to new MoDOT format. Revised the "Requests," "Scoping," and
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	"Parkland" sections to remove references to Preliminary Studies Division.
<b>4-01</b>	4-01.3 (4): Added a statement stating that CADD plans "shall be prepared in accordance with Specifications of Computer Deliverable Contract Plans."
<b>4-03</b>	4-03.1 (1): Paragraph 3 - inserted reference to "Specifications of Computer Deliverable Contract Plans."
<b>FIG 4-03.5</b>	Revised prices on the following signs: Copperweld R/W Survey Marker (Plain); R/W Markers - Plate (Pie-Shaped); "No Center Stripe" Signs; No Left Turn (Symbol) (24x24); No Right Turn (Symbol) (24x24); No Turns (24x24) and School Crossing Ahead" Also added identifying numbers to the Copperweld R/W Markers.
<b>4-03.17</b>	4-03.17 (1)(f): Revised to provide information on where to find the Conflict of Interest Form and removed instructions for saving the updated MHTC Agenda Checklist to a file located on the p: drive.  4-03.17 (1)(g): Removed reference to the "BAMS form (D-308), Project Core Team Certification (Form D-13)."  4-03.17 (2): Added a new subsection titled "Electronic Information." This subsection gives instructions on entering data in the project estimating software.
<b>4-08</b>	4-08.3 (1)(g): Clarified the basis of payment and which items should be covered under the basis of payment for obliterating pavements.  4-08.3 (2)(a): Clarified the use of Linear Grading Class 1 pay items for the construction of median crossovers or connections to driveways, and directed the designer to include a job special provision, if this pay item is used.
<b>4-09</b>	4-09.23: Removed the last two sentences that gave reference to General Headquarters Design providing "Specifications of Computer Deliverable Contract Plans."
<b>VOLUME II TABLE OF CONTENTS</b>	Revision date changed for Contents sheets and for Sections 6-05, 7-01, 7-02, 7-03, 7-04 and 8-02.

<b>CHAPTER VI TABLE OF CONTENTS</b>	Added a new section 6-05.16, Micro-Surfacing.
<b>6-05</b>	6-05.16: Created new section titled Micro-Surfacing. Please review this

	new section carefully.
<b>CHAPTER VII TABLE OF CONTENTS</b>	Revised to show major revisions to this chapter.
<b>7-01, 7-02, 7-03, 7-04</b>	These sections have been extensively revised by the district's Utilities Engineers. The revisions reflect new policies and guidelines. Please review these sections carefully.
<b>FIG 7-02.1 THRU FIG 7-02.20</b>	The figures in Section 7-02 have undergone major changes including: deleting and revising existing figures, adding new figures as well as assigning new figure numbers.
<b>FIG 7-03.1 THRU FIG 7-03.5</b>	These figures were revised to reflect the current titles assigned to the divisions. The changes are as follows: Division of Maintenance and Traffic = Traffic, Design Division = GHQ Design, Bridge Division = GHQ Bridge, Main Office = GHQ, Highway and Transportation Department = Missouri Department of Transportation.
<b>FIG 7-03.10</b>	Existing Figure 7-03.11 renamed 7-03.10. Divisions renamed as shown above.
<b>8-02</b>	8-02.10 (1): In first paragraph, reversed the English and Metric order. In the fifth paragraph, removed the sentence referring to wood poles set in concrete for span wire signal suspension mountings.
<b>FIG 8-02.7</b>	Removed the lower graph on this figure and renamed figure "Louvers - Angle of Complete Obscurity." Corrected errata on the metric sheet where degrees/minutes were inadvertently labeled as degrees/meters.
<b>DESIGN FORMS</b>	<b>D-37A:</b> Removed concrete embedment column for span wire poles. Added Class 5 (round) pull boxes. Replaced W/DW signal indications with the single symbolic indication. Removed the following columns: Visors, Type IV Brackets for signal heads, One-Face Section 2-T & 2-S signal heads, and Two-Face Section 22-T & 22-S signal heads. Added columns for 4-T & 5-T One-Face signal heads and 33-C Two-Face signal heads.