



Facilities Development Manual

Wisconsin Department of Transportation

Transmittal No. 385

Date: December 22, 2011

Subject: Revisions to Chapters 7, 8, 11, 14,15, 16, 17, 19, and 21

Where new text has been inserted or combined with old text, the new text appears **shaded**.

FDM 7-5, FDM 7-5 Attachment 1.1 and FDM 7-45 and FDM 7-45 Attachment 1.1 and 1.2

FDM 7-5 and FDM 7-45 relating to the State Access Management Plan and interstate access points have been updated. The State Access Management Plan has been revised to a five tiered system and includes a revised access management plan state map. The interstate access point policy has been updated along with associated attachments.

FDM 8-15 Exhibit 1.5 and 1.6

FDM 8-15, Exhibits 1.5 and 1.6, the two-party and three-party design contract special provisions, of the consultant services contract have been updated.

FDM 8-25-25

FDM 8-25-25 relating to consultant contract management with regards to the process for consultant claims and disputes has been updated.

FDM 11-50 and FDM 11-50 Attachment 5.4, 5.5, 5.7, 10.1, 10.2, 20.1, 20.2, 30.1 and 30.2

FDM 11-50 relating to the design of work zone traffic control has been updated with the removal of FDM 11-50-25 Work Zone Traffic Congestion and Mitigation. Additional updates include;

- Attachments 5.4, 5.5 and 5.7 relating to the transportation management plan (TMP) mitigation strategies, TMP potential elements check list, and the documentation and request for approval form have been updated.
- Attachments 10.1 and 10.2 have been reformatted and attachments 10.3 to 10.5 have been removed.
- Attachment 20.1 - Traffic Safety in Highway and Street Work Zones has been removed and attachments 20.2 (policy for the use of type "C" steady-burn lights on traffic control drums) and 20.3 (work zone traffic control plan review checklist) have been updated and renumbered.
- The titles of Attachments 30.1 and 30.2, in the list of attachments, have been updated to match the attachment titles.
- The two attachments in procedure 40 have been removed.

FDM 14-10, FDM 14-15, FDM 14-15 Attachment 5.1 and FDM 14-25

FDM 14-10, 14-15 and 14-25 relating to pavement design have been updated.

FDM 14-10 was updated to include;

- information about pavement layers and corresponding layer coefficients being arranged in order of decreasing material strength during the pavement design process,
- a reference was provided for pulverized material layer coefficients, and
- language was added specifying the use of a 7-inch concrete pavement thickness in the LCCA if WisPave calculates a thickness less than 6-inches.

FDM 14-15 was updated to include;

- added clarification for local roads,
- removed "...to maximize cost expenditures" from first sentence in 10.2.3, and
- added the phrase "justify omission of LCCA if applicable" to Attachment 5.1.

FDM 14-25 was updated to include;

- added reference to FDM 14-15, Table 10.3 for standard rublilization scenarios to procedure 15.1.

FDM 15-5

FDM 15-5 plan preparation methods has been updated to include additional information for MicroStation and Civil3D programs.

FDM 16-5-1 Exhibit 1.1 - Standard Detail Drawings

The List of Standard Detail Drawings (Exhibit 1.1) has been updated.

FDM 17-40-40

FDM 17-40-40 relating to railroad coordination for separation projects has been updated to match the bridge

manual.

[FDM 19-1 Attachment 1.2](#)

The proposal preparation process schedule has been updated through 2018.

[FDM 19-7-1](#)

Update FDM 19-7-1.1 to remove the note stating that the STSPs for a number of items would still have STSPs associated with them. From now on designers should use the standard bid items.

[FDM 19-10-43](#)

Updates to the digital data exchange and project data awareness procedure regarding MicroStation DGN specifications and parameters.

[FDM 19-40-1 Exhibit 1.2](#)

Updates to the standard detail drawings examiner's list.

[FDM 21-35, FDM 21-35 Attachment 5.1, 10.1, 30.2 - 30.4](#)

FDM 21-35 relating to environmental documents and reports and contaminated site assessment and remediation has been updated with the majority of the edits to procedure 45 relating to asbestos. Additional updates include;

- Attachments 5.1 - revisions to the Hazardous Materials Assessment Site Summary,
- Attachment 10.1 - revisions to the Standard Cover Letter for Requesting Contaminated Site Investigation,
- Attachment 30.2 - revision to Sample- Non-Hazardous Waste Inventory Record to reflect the updated DT1229 form,
- Attachment 30.3 - updates to the hazardous waste disposal contractor contacts, and
- Attachment 30.4 - revisions to the regional environmental or hazmat coordinators.

Chapter 16 Standard Detail Drawings

Implementation Schedule: These drawings will be included when applicable in plans scheduled for the May, 2012 PS&E due date Project Letting Process.

[SDD 11A1](#) - Maintenance Crossover for Freeways (Revised)

This Standard Detail Drawing has been revised as follows:

- the pavement type has changed from Type LV to as specified.
- the aggregate changed from 10" crushed aggregate base course to 10" base aggregate dense 1-1/4 – inch.
- the U-Turn sign has been changed from R3-4A to R3-4B.
- revised sections A-A and B-B to be clearer.

[SDD 13A7](#) - Continuously Reinforced Concrete Pavement Repair and Replacement (Revised)

This Standard Detail Drawing has been revised to remove General Note 1 and renumber General Notes 2 - 4.

[SDD 13C9-a](#) - Concrete Pavement Repair and Replacement (Revised)

[SDD 13C9-b](#) - Concrete Pavement Repair and Replacement (Revised)

[SDD 13C9-c](#) - Concrete Pavement Repair and Replacement (Revised)

These Standard Detail Drawings have been revised to correct General Notes on sheets "a" and "c".

SDD 14B3-2 - Class "B" Steel Plate Beam Guard (Removed)

SDD 14B10-1 - Class "A" Steel Plate Beam Median Guard (Removed)

SDD 14B17-3 - Steel Plate Beam Guard, Class "A", End Treatment with Anchorage for Steel Plate Beam Guard (Removed)

SDD 15B4-3 - Screen Fence for Junkyards (Removed)

SDD 15B5-2 - Wood Gate Frame for Screen Fence for Junkyards (Removed)

SDD 15B6-1 - Steel and Aluminum Panels for Screen Fencing Projects (Removed)

SDD 15B7-2 - Screen Fence with Horizontal Metal Panels (Removed)

SDD 15B8-1 - Steel Angle Gate Frame for Metal Screen Fence with Horizontal Panels (Removed)

SDD 15B9-3 - High-Tensile Wire Fence, Sheets a, b, and c (Removed)

[SDD 14B42-2a](#) - Midwest Guardrail System (MGS) Guardrail (Revised)

SDD 14B42-2b - Midwest Guardrail System (MGS) Guardrail (Revised)

SDD 14B42-2c - Midwest Guardrail System (MGS) Guardrail (Revised)

These Standard Detail Drawing have been updated to reflect changes to post bolts and nuts.

[SDD 15C19-1a](#) - Moving Pavement Marking Operation Two-Lane Two-Way Roadway (New)

SDD 15C19-1b - Moving Pavement Marking Operation Mutli-Lane Undivided Roadway (New)

SDD 15C19-1c - Moving Pavement Marking Operation Multi-Lane Divided Roadway (New)

These new Standard Detail Drawings detail Pavement Marking with moving truck convoys.

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