



Facilities Development Manual

T437

Wisconsin Department of Transportation

Designers should incorporate these changes in projects being developed for the **November 2025 PS&E Submittal**.

Chapter 2: Project Management

Section 2-1 Introduction and Definitions

On page 3, updated the text and url for the major project documentation link.

Section 2-15..... Project Integration Management

Updated Attachment 10.1, Major Project Requirements Timeline, to the current version from FHWA's site that reflects the update from Cost Estimate Reviews (CER) and Cost and Schedule Risk Assessment (CSRA). Also made the link to FHWA's site active (it was text in an image before).

Section 2-20..... Project Type – Design/Planning

Updated the links to PMP manual on the PMU SharePoint page (internal WisDOT only) and text and urls for the project management templates, now in a public Box folder.

Chapter 3: Facilities Development Process *

Section 3-5 Improvement Concepts

Edits throughout section and in Attachments 5.1 and 5.2.

** Asset Management and Performance-Based Practical Design have been implemented since November 2018. This transmittal includes a thorough update resulting from a comprehensive review of FDM 3 and FDM 11. The revised guidance reflects our evolving experience and understanding over the past seven years, ensuring consistency and alignment with current policies.*

Chapter 9: Surveying and Mapping

Section 9-65 Digital Terrain Models (DTMs)

Added subsection 9-65-5.2, Map Checks, under 9-65-5, Field Procedures.

Chapter 11: Design *

Section 11-1 Introduction

Edits throughout section. Added new section and attachment, 11-1-17, Standards for Rural County Trunk Highways, Trans 205.

Section 11-3..... Community Sensitive Design

FDM 11-3, Attachments 5.1 through 5.14, have been moved to FDM 11-1, Attachments 6.1 through 6.14.

Section 11-4 Reports

Edits throughout section and in Attachments 10.1 and 10.2.

Section 11-5 General Design Considerations

Edits throughout section.

Section 11-10 Design Controls

Edits throughout section.

Section 11-15 Cross-Section Elements for Projects on Rural Highways, Freeways, and Interstates

Edits throughout section and updated Attachment 1.20.

Section 11-20 Cross-Section Elements for Projects on Urban Roadways and Highways

Edits throughout section and updated Attachments 1.1 and 1.5.

Section 11-25 Intersections at Grade

Edits throughout section and updated Attachment 1.1.

Section 11-26 Roundabouts

Updated guidance in 11-26-10, Horizontal Alignment and Design. Updated Attachments 12.1 and 12.2.

Section 11-30 Interchange

Edits throughout section.

Section 11-35 Structures

Reworded SSR requirements to match current practice in 11-35-1.1. Old language was missing small bridge structures (C-structures), noise walls and high mast light structures. Edits to 11-35-1.6.1, Sidewalks. Updated Attachments 1.8 and 1.9.

Section 11-38 Safety Certification Process

Updated guidance for using the Safety Certification Process on Mega/Majors projects. Updated Acronyms and Definitions section as well as addressed broken webpage links throughout. Added a new section summarizing available tools for the process. Updated the network screening procedure to incorporate use of AASHTOWare Safety. Adjusted segment screening methodology to use network screening safety performance functions (SPFs) rather than statewide crash rates.

Section 11-40 Perpetuation and Rehabilitation Requirements for Highways

Edits throughout section and in all Attachments.

Section 11-45 Other Elements Affecting Geometric Design

Edits throughout section.

Section 11-46 Bicycle and Pedestrian Accommodations

Edits in 11-46-10, Curb Ramps.

Section 11-50 Traffic Control

Added new section, 11-50-45.3, Pavement Marking Removal. Edits in 11-50-60, Lighting.

Section 11-55 Special Features

Added reference to SDD for cattle pass structures and added guidance for existing box cattle pass design to match current practice in 11-55-10.3. Edits to 11-55-40 Roadside Facilities Coordination.

Chapter 12: Right-of-Way Plat and Exhibit Development

Section 12-1 General

New section 12-1-40 has been added, along with a new attachment (Attachment 40.1).

Section 12-5 Making Right-of-Way Determinations

Edits were made to sections 12-5-3 and 12-5-5.

Section 12-10 Transportation Project Plat Preparation

Edits throughout section and updated Attachment 5.2. Removed Attachment 1.6, so subsequent attachments have been renumbered.

Section 12-15 Traditional Right-of-Way Plat Preparation

Edits were made to section 12-15-1.3, 10, and 25.

Section 12-20 Acquisition Exhibit Preparation

Edits were made to section 12-20-1.

Chapter 15: Plan Preparation

Section 15-1 Standards

Added guidance to add SB# and Structure ID# table to plans to match current practice.

Chapter 17: Railroad Coordination

Section 17-1 Overview

Added a video link in 17-1-1, General.

Chapter 19: Plans, Specifications, and Estimates

Section 19-5 Estimates

Updates to guidance regarding the Asphalt Pricing Map under 19-5-5.5.1, Primary Tools, in 19-5-5, Construction Estimates.

Section 19-10 PS&E Transmittal and Composition

Added high mast light structures to list for e-submit to match current practice. Added language to include signal monotubes to the list of structures that are not submitted to BOS but are included in the plans. Other edits throughout section.

Section 19-15 Special Provisions

Updated guidance throughout section and deleted 19-15-12, Proposal Guaranty.

Section 19-40 Review

Updated Exhibit 1.2, Standard Detail Drawings, for the upcoming PS&E Project Letting Process.

Chapter 20: Environmental Documents, Reports and Permits

Section 20-45 Other Required Documents

Edits to 20-45-40: Agricultural Impact Statement.

Section 20-55 Agency Coordination for Environmental Documentation and Permitting

Edits to 20-55-60: Department of Agriculture, Trade and Consumer Protection (DATCP).

Chapter 23: Noise

Section 23-35 Noise Abatement Measures

Edits throughout section.

Section 23-40 Construction Noise

Edits throughout section. Added table in Attachment 1.1.