



Chapter 3: Facilities Development Process

Section 3-1 Process Overview

Added a row to the facilities development process tables (Attachment 1.2) for roadside facilities (rest areas and safety and weight enforcement facilities) coordination, if needed. This is reminder for project teams to check for roadside facilities during the project definition phase since funding of projects on the Backbone highway network can include roadway related work at adjacent roadside facilities.

Section 3-5 Improvement Concepts

Added reference in 3-5-1 to application of design criteria information. These changes were made to be in line with updates to how improvement strategies are applied to improvement concepts (see changes in FDM 11-1 Attachment 10.1).

Chapter 11: Design

Section 11-1 Introduction

Updated contact information in 11-1-1.1, and updated guidance regarding S-2 Application in 11-1-10.2. Updated Improvement Concept Definitions, Pavement Design and Structural Numbers, and bike/pedestrian guidance in Attachment 10.1.

Section 11-2 Alternative Contracting

Updated guidance regarding production rates in reference to Lane Rentals (11-2-1.2.1) and clarified guidance in using interim liquidated damages within the Special Provisions (11-2-1.7.1/1.7.2).

Section 11-5 General Design Considerations

Added a column for cumulative salvaged and usable pavement to the earthwork spreadsheet found in 11-5-10.4 (Total Volume Concept for Project Earthwork). This information will be useful to determine cumulative volumes for items at various stages of projects.

Section 11-20 Cross Section Elements for Modernization of Urban Highways

Removed language in 11-20-1.0 and 11-20-1.3 to add consistency with other sections that the modernization improvement strategy is associated with the expansion improvement type. This is reflected in the updated improvement strategies, improvement concepts, and design criteria applications chart found in 11-1 Attachment 10.1.

Section 11-26 Roundabouts

Updated guidance and figures throughout 11-26 regarding Compact Roundabouts and Signing/Pavement Marking to remove the redundant signing and markings that are generally unnecessary now that RABs are commonplace in WI. Updated the images in Attachments 35.1-35.4.

Section 11-30 Interchange

Revised text in 11-30-15.1 to reflect language in Programmatic Agreement. Revised text in 11-30-15.2 to clarify roles of region and bureau staff in annual reporting process. Deleted "WisDOT AO – Does not require FHWA review and action" in Attachment 15.8, the Interstate Access Justification Annual Report Template.

Section 11-40 Perpetuation and Rehabilitation Requirements for Highways

Removed language in 11-40-1.1.1 and 11-40-1.2.1.1 to add consistency with other sections that the modernization improvement strategy is associated with the expansion improvement type. This is reflected in the updated improvement strategies, improvement concepts, and design criteria applications chart found in 11-1 Attachment 10.1.

Section 11-45 Other Elements Affecting Geometric Design

New image in Attachment 30.23, Partial Removal of Middle Section of an Older Barrier Section.

Section 11-50 Traffic Control

Updated guidance regarding the Basic Traffic Queue Warning System (BQTW) in 11-50-25 and added additional tables for clarification for miscellaneous quantities tables. Moved Attachment 20.1 to 21.2, and updated references within the document of that change.

Section 11-55 Special Features

Added guidance (new subsection 11-55-40) to clarify that funding of projects on the Backbone highway network can include roadway related work at adjacent roadside facilities (rest areas and safety and weight enforcement facilities). Project teams need to coordinate with BHM Roadside Facilities Unit to evaluate and include associated roadway related improvements at the roadside facilities in their project PS&Es. Updated Attachment 20.2.

Chapter 13: Drainage

Section 13-1 Drainage Practice

Replaced metric corrugation measurements with English units in footnote 1 for Table 2 in Attachment 25.3.

Chapter 14: Pavements

Section 14-1 General

Added guidance in 14-1-1.3 regarding Asset Management as it relates to the pavement design process.

Section 14-15 Pavement Type Selection

Updated tables 10.1 and 10.2 by removing S1 and S2 designations for perpetuation, rehabilitation, and modernization for clarity and consistency with FDM Chapter 11.

Chapter 15: Plan Preparation

Section 15-1 Standards

Removed "in DHV" under the T value in 15-1-10.7, Design Designation.

Chapter 19: Plans, Specifications, and Estimates

Section 19-1 Introduction

Governor's Bond form DT25 will not be a required PSE submittal document for let projects (in 19-1-11.2).

Section 19-5 Estimates

The overall guidance remains the same. The updated guidance better explains how to develop a construction estimates and decreasing the need for additional guidance. Added Attachment 5.1, Recommended Letting Months by Improvement Strategy.

Section 19-10 PS&E Transmittal and Composition

All Contractor Data Packets shall be submitted by WisDOT and consultant designers using the eSubmit process. The submittal will be done after the PS&E has been reviewed and corrected, but no later than 8 weeks prior to project let date. This will give the Department the capability to provide this information to contractors during project advertisement. Digital design project data submitted by the consultant shall be delivered as specified by the Region.

Section 19-15 Special Provisions

Revisions in 19-15-2, 23, 55 and 85 to match latest Standardized Special Provisions updates, Revision to 19-15-25 to match utility coordination guidelines, and removed guidance in 19-15-55 regarding Removing Structure and Debris Containment because they are now part of the 2022 Standard Specifications. Removed a duplicate Additional Special Provision in 19-25-90.

Section 19-21 Quality Management Program

Updated guidance in 19-21-5.2.4.1 regarding HMA Pavement Percent Within Limits (PWL) and 19-21-5.2.4.6 regarding HMA Pavement Longitudinal Joint Density.

Section 19-40 Review

Updated Exhibit 1.2, [Standard Detail Drawings](#), for the upcoming PS&E Project Letting Process.