



Designers should incorporate these changes in projects being developed for the February 2023 PS&E Submittal.

Chapter 3: Facilities Development Process

Section 3-1 Process Overview

Made Operations Certification optional under 3-1-10.5.4, Phase Deliverables. Added phase deliverable guidance and modified Risk Assessments in the Project Definition column in Attachment 1.1.

Chapter 11: Design

Section 11-1 Introduction

Updated contact information in 11-1. Updated the definition of the row titled "Reconstruction" in Attachment 10.1.

Section 11-4 Reports

Updated guidance in 11-4-3 Final Scope Certification (and Attachment 3.1) and in 11-4-10 Design Study Report. Eliminated Attachments 10.2, 10.2, 10.4. The previous Attachment 10.5 is now 10.1, and the previous Attachment 10.1 is now 10.2. Latter attachments have the same guidance but are renumbered. There are some edits to the guidance in the new Attachments 10.1 and 10.2 too.

Section 11-5 General Design Considerations

Added a heading, 11-5-3.2 Congestion and LOS, and removed guidance to other references under 11-5-3.1.

Section 11-10 Design Controls

Added references to the Traffic Engineering, Operations and Safety Manual for design speeds. Modified language to be consistent with other sections and policies for setting speed limits.

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

Updated guidance under 11-15-1.7 Shoulders. Updated guidance to match updates to SDD 13c11-14a in 11-15.1.7.1 Shoulder Paving Policy. Added new Attachment 1.19, Design Considerations for Various Shoulder Treatment Options in Areas of High Side Superelevation. Removed design speed reference within Attachments 1.1, 1.2, and 1.3.

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

Updated reference to the Traffic Engineering, Operations and Safety Manual when selecting design speeds. Updated design speed reference within Attachments 1.1 and 1.5.

Section 11-25 Intersections at Grade

Updated references to "A Policy on Geometric Design of Highways and Streets, 7th Edition, 2018," commonly referred to as the Green Book.

Section 11-26 Roundabouts

Added guidance in 11-26-1.3.1 Single Lane Roundabouts. Added a Table 1.2 Single-Lane Roundabout Types. Added guidance where roundabouts should be constructed in 11-26-30.5.19 Vertical Design.

Section 11-30 Interchange

Updated references to "A Policy on Geometric Design of Highways and Streets, 7th Edition, 2018," commonly referred to as the Green Book. Deleted Attachments 1.1 - 1.3, so renumbered existing attachments. Updated guidance in new Attachment 1.2, Details of Ramp - Mainline Intersections with Special Turn Lanes.

Section 11-35 Structures

Updated references to "A Policy on Geometric Design of Highways and Streets, 7th Edition, 2018," commonly referred to as the Green Book.

Section 11-38 Safety Certification Process

Updated explanation for intersection screening methodology, added additional explanation for cost estimate requirements, added benefit-cost ratio for non-Safety Site of Promise locations. Updated Attachments 10.5 and 10.6 to combine the documentation for the Safety Certification Process and Operations Certification Process (FDM 11-52).

Section 11-40 Perpetuation and Rehabilitation Requirements for Highways

Updated references to "A Policy on Geometric Design of Highways and Streets, 7th Edition, 2018," commonly referred to as the Green Book in the section and Attachment 7.1. Added guidance to 11-40-1.4 regarding the Operations Certification Process.

Section 11-50 Traffic Control

Moved 11-50-5.7 Mitigation Contracts to its own section, 11-50-7, and updated the guidance. Removed Attachment 5.6, Law Enforcement Process Map and added Attachment 7.1, Division of State Patrol Work Zone Law Enforcement Mitigation Contracts Process Map, and Attachment 7.2, Local Agency Contracts Process Map.

Section 11-52 Traffic Engineering and Operations

Added new section, 11-52-15 Operations Certification Process.

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

Section 12-1 General

Updated guidance in 12-1-15.10, Waterway Rights, and Attachment 15.1, Waterway Example Plat.

Section 12-10 Transportation Project Plat Preparation

Small wording changes in 12-10-1.2.26, Compensable Utilities, and updated guidance in 12-10-15 Amendments, Corrections, and Vacations. Updated images in Attachments 3.1 Monumentation Plat Example, 5.1 Transportation Project Plat Checklist, and 5.2 Monumentation Plat Checklist.

Section 12-20 Acquisition Exhibit Preparation

Updated Attachment 1.5, Legal Description Examples.

Chapter 14: Pavements

Section 14-1 General

Updated the WisPave Administrator email address.

Section 14-25 Pavement Rehabilitation

Updated the Geotechnical Unit supervisor phone number.

Chapter 15: Plan Preparation

Section 15-1 Standards

Updated guidance in 15-1-45, Cross Section Sheets, by adding examples of special locations.

Section 15-5 Methods

Updated abbreviations in Attachments 3.2, 3.3, 3.5, and 25.1.

Chapter 19: Plans, Specifications, and Estimates

Section 19-5 Estimates

Section 5-3: Updated bid items from LS to EACH. Made minor revisions to item usage guidance. Section 5-5: Added construction estimate guidance that was only located in the Estimating Webpages. In Section 5-5.5, added Bid Item List information and link, and updated plan, proposal, addenda and as-built locations. In Section 5-5.6, expanded bid item estimating guidance for HMA pavement items and Concrete Masonry. Section 5-6: Revised Estimate Documentation Report Template and correlating guidance. Section 5-7: Modified updating the estimate after PS&E. Added Attachment 5.1, Construction Estimate Development Overview.

Section 19-10 PS&E Transmittal and Composition

Updated guidance in 19-10-43.2.1 Digital Data.

Section 19-15 Special Provisions

Changed ASP-5 Fuel Cost Adjustment earthwork bid item amount.

Section 19-22 Post-Advertisement Activities

Updated guidance throughout section and deleted an attachment. Updated Attachments: 1.2 Addenda Development Form (blank), 1.3 Sample Completed Addenda Development Form, 1.4 Addendum Form (Blank), and 1.5 Sample Completed Addendum.

Section 19-25 Local Force Account Agreements

FHWA has revised their Buy America requirements. As part of these changes, Attachments 5.2 and 10.3 were revised.

Section 19-40 Review

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

Chapter 27: Planting and Aesthetic Design

Section 27-1 Introduction

Changed references from Bureau of Highway Operations (BHO) to Bureau of Highway Maintenance (BHM) and edited other guidance throughout section. Updated guidance in Attachment 1.1.

Section 27-20 Planting Design

Changed Region's section name and reference numbers in the Highway Maintenance Manual throughout section and in Attachment 1.5.

Section 27-25 Plant Materials

Changed Region's section name and reference numbers in the Highway Maintenance Manual. Removed outdated contact information. Added a new section, 27-25-1.6, and updated guidance in section 27-25-5.7, both titled Contractor Qualifications/Experience. Updated guidance on Contractor Pre-Certification. Removed tree species rows in tables throughout Attachments.