



FACILITIES DEVELOPMENT MANUAL

Wisconsin Department of Transportation

T410

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Revise 3-5-5.2.1 (Federal Aid Requirements and WisDOT Procedures) to change Traffic Operations Infrastructure Plan (TOIP) items to Intelligent Transportation Systems (ITS) equipment.

Revise 3-5-5.3.4 (Other) to change guidance title and information from Traffic Operations Infrastructures Plan (TOIP) Items to Intelligent Transportation Systems (ITS) Equipment.

Revise 3-5-10.7 (Documentation for LFA Local and State Agreements \leq \$5,000 and $>$ \$5,000) to add guidance and contact information for LFA - State project agreements \leq 5000 and LFA - State $>$ \$5000.

Revise 3-5 Attachment 10.1 (A Policy on Construction of State and Federal-Aid Highway Projects by Forces and Equipment of Counties or Other Local Governmental Units) to change threshold value from \$25,000 to \$50,000.

Revise 3-5 Attachment 10.6 (Correspondence/Memorandum (State System)) to clarify title of document.

Removed Attachment 10.7 (Letter of Approval for Programmatic Cost Effectiveness Finding) since the information was out of date.

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Revise 8-5-3.2 (Employment of Current or Former WisDOT Employees by Consultants) to rewrite the guidance.

Revise 8-5-15.3 (Interviews) to revise the design contract threshold value from \$1,000,000 to \$1,300,000 and revise the number of firms from five or more to three.

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[Revise 11-4-10.4.3 \(Content\) to add a Design Study Report template for perpetuation projects.](#)

[Revise 11-4 Attachments to add attachment 10.4 \(Perpetuation Design Study Report Template\) and renumber remaining attachments.](#)

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[Revise 11-25-3.1 \(Intersection Control Evaluation \(ICE\)\) guidance.](#)

[Revise 11-25-3.1.1 \(ICE Project Triggers\) guidance.](#)

[Add 11-25-3.1.1.2 \(Local Projects and ICE\) guidance.](#)

Revise 11-25-3.1.2 (ICE Process Exemptions) guidance.

Revise 11-25-3.1.3 (Guidance and Criteria for Traffic Control Options and Intersection/Interchange Types) guidance.

Revise 11-25-3.2.1.3 (Safety Considerations) guidance.

Revise 11-25-3.2.2.3 (Existing Crash Information) guidance.

Revise 11-25-3.2.2.9 (Safety Analysis) guidance.

Add 11-25-3.2.4 (ICE Amendments) guidance.

Revise 11-25 Attachment 3.2 (Intersection Control Evaluation (ICE) Process Flow Chart) to update flowchart information.

Revise 11-25 Attachment 3.6 (Phase II: ICE Worksheet) to update worksheets information.

Revise 11-25 Attachment 3.7 (ICE Submittal Checklist) to update checklist information.

Section 11-26Roundabouts

Add FDM 11-26-30.5.19.1 (Low Volume, Non-STH Side Road Approaches) guidance.

Revise 11-26-35.2.1 (Approach Markings) to update pavement marking guidance at roundabouts.

Revise 11-26 Attachment 35.1 (Example Pavement Markings for Typical Designs) to update drawing and pavement marking guidance for roundabouts.

Remove former 11-26 Attachment 35.2 (Roundabout Pavement Marking Bid Item and Product Type) since the information can be found in the TEOpS manual. Renumber the remaining attachments.

Section 11-30Interchange

Section 11-35Structures

Section 11-40Resurfacing, Restoration and Rehabilitation (3R) Projects for Highways other than Interstate

Section 11-44Interstate Highways

Section 11-45Other Elements Affecting Geometric Design

Section 11-46Bicycle and Pedestrian Accommodations

Section 11-50Traffic Control

Revise 11-50-5.11.1 (TMP Strategies Matrix Overview) to add guidance and delete former sub-sections 5.11.2 to 5.11.9.

Add 11-50-5.14 (Mitigation Contracts) to add guidance for various mitigation contracts.

Delete former Attachments 5.8 to 5.19 and replace with Attachments 5.8 to 5.12.

Revise 11-50-30 (Statewide Freeway and Expressway Lane Closure and Delay Guidelines) to revise guidance.

Revise 11-50-45.2.1 (Selection of Material on New or Resurfaced Pavements for Long Line Markings) to revise pavement marking guidance.

Revise 11-50-55.1 (Signing General) to revise signing guidance.

Revise 11-50-55.2 (Reflective Sheeting and Replacement Guidelines for Highway Signs) to revise guidance.

Section 11-52Traffic Engineering and Operations

Section 11-55Special Features

Revise 11-55-20.2 (Overhead Sign Supports) to revise guidance.

Section 11-60Detours

Chapter 12: Right-of-Way Plat Development

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Chapter 14: Pavements

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Revise 14-10-5.9.1 (Gradation Selection) to change terminology from surface mix to upper layer to match standard specification language.

Revise 14-10-5.9.2 (Traffic Category Selection) to delete former Table 5.2 due to redundancy, renumber remaining tables and revise guidance language.

Revise 14-10 Attachment 5.6 (WisDOT Allowable Mix Types) to add new bid items (4 MT 58-34V and 5 MT 58-34V).

Revise 14-10-15.1.1 (Interstate, US Highways or Other Roadways with Traffic Volumes > 3500 AADT) to revise guidance relating to structure approach slab.

Revise 14-10-15.1.2.3 (HMA Pavement with Bridge Skew ≤ 20 Degrees) to add guidance for structure approach slab.

[Section 14-15](#) Pavement Type Selection
[Section 14-25](#) Pavement Rehabilitation

Chapter 15: Plan Preparation

[Section 15-1](#) Standards

Revise 15-1-1.3 (Composition) to include plan submittal information.

Revise 15-1-1.4 (Multiple Projects in One Plan or Multiple Project Plans within One Contract) to revise title and clarify guidance.

Revise 15-1-4.2 (Design Process) to delete project scoping from the preliminary plan process and revise guidance.

Revise 15-1-4.3 (Content) to change the guidance and name of the preliminary plan worksheet used during project scoping to determine the contents of the preliminary plan. The information is now a checklist that could potentially be included in a preliminary plan.

Revise 15-1 Attachment 4.1 (Preliminary Plan Checklist) to revise title.

Revise 15-1-6 (Sample Plan Abbreviated Project) to delete subsections 6.1 to 6.4 (Title Sheet, Details, Estimate of Quantities and Plan Sheets) and add reference links to other sections of FDM 15-1.

Revise 15-1-10 (Title Sheets) to revise information for title sheets, project title, project numbers, order of sheets, net length of center line, and coordinates subsections to revise guidance.

Add 15-1-12 (General Notes, Railroad, and Contracts Sheet) to add guidance for the general notes, abbreviations, utilities/railroads listing, DNR Liaison, Standard Detail Drawings List.

Add 15-1-14 (Project Overview) to add guidance.

Add 15-1-15 (Typical Section Sheet) to revise guidance for typical section sheet and sign plates and/or sign details subsections.

Revise FDM 15-1-20 (Detail Sheet) to update guidance.

Revise 15-1-20.10 (Permanent Signing) since a majority of the information has moved to FDM 11-50-55 (Signing) and FDM 11-55-20 (Overhead Sign Structures).

Revise 15-1-35 (Plan and Profile Sheet) to update guidance.

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Revise 19-5-3 (Bid Item Guidance) to reflect changes to the Standard Specifications for 2019.

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Revise FDM 19-40 Exhibit 1.2 (Standard Detail Drawings (Examiner’s List)) to update.

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