



# FACILITIES DEVELOPMENT MANUAL

Wisconsin Department of Transportation

## T408

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**Revise 5-15-1 (Local Drainage Boards - History and Coordination) to update the history and clarify when and how to coordinate with local drainage boards and DATCP.**

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**Revise 7-15-1.3 (Restricting the Type of Access) to add sentence regarding describing an existing use or restriction.**

**Revise 7-15 Attachment 1.1 (Sample Form DT2049, Resolution- Controlled Access Project) with updated example.**

**Revise 7-15-5.1 (Establishing an 84.25 Access Control Project) to update information.**

**Add 7-15-5.5 (84.25 Controlled Access Project Unique Identifier) to provide new guidance regarding controlled access project unique identifiers.**

**Revise 7-15 Attachments 5.1, 5.2, 5.3, 5.4, 5.7, 5.8, 5.9 and 5.11 to update information and provide updated examples.**

**Revise 7-15 Attachments 10.1 and 10.2 to update examples and procedure information.**

- [Section 7-20](#) .....Purchased Access Control (Control by Section 84.09)
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**Revise 8-10-1.2 (Estimating Hours and Costs) to remove and replace the consultant task categories, codes and descriptions formerly found in Attachment 1.3 with a link to the information on the Masterworks application web site.**

**Removed former Attachment 1.3 (Consultant Activity Task List) since the information has moved to the Masterworks internet support website. Renumber remaining attachment.**

**Revise 8-10-30.4 (Non-Labor Direct Costs) to clarify term home base.**

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**[Chapter 10: Erosion Control and Storm Water Quality](#)**

[Section 10-1](#) ..... General Introduction  
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**Revise 10-5 Attachment 60.2 (Erosion Control Plan Checklist) to update standard bid item numbers and descriptions.**

[Section 10-10](#) ..... Erosion and Sediment Control Devices  
[Section 10-15](#) ..... Appendix  
[Section 10-25](#) ..... Stormwater Quality  
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[Section 11-3](#) ..... Community Sensitive Design  
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**Revise 11-5-15.3 (Select Materials in Subgrade - Design) to update select material systems, costs per mile and add information for select crushed material.**

**Revise 11-5- Attachments 15.2 (Standard Select Materials Systems) to update the standard select material cross sections.**

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- [Section 12-5](#) ..... Making Right-of-Way Determinations
- [Section 12-10](#) ..... Transportation Project Plat Preparation

**Revise 12-10-1.2.22 (Off-Premise Signs) to add legal description for a fee acquisition which includes the purchase of an off-premise sign.**

**Revise 12-10 Attachment 20.2 (Legal Description Examples) to update example 12.**

- [Section 12-15](#) ..... Traditional Right-of-Way Plat Preparation

### **Chapter 13: Drainage**

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### **Chapter 14: Pavements**

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- [Section 14-5](#) ..... Base Course
- [Section 14-10](#) ..... Pavement Design

**Revise 14-10-5.9.2 (Traffic Category Selection) to change the threshold from greater than 5 million ESALs to greater than 2 million ESALs for stone mix asphalt.**

**Revise 14-10-5.9.3 (Asphalt Binder - Temperature/Project Location Selection) to remove "S" designation on asphalt binder.**

**Revise 14-10 Attachment 5.6 (WisDOT Allowable Mix Types) to update ESAL ranges, add a note to table and delete the key to the bid items.**

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

### **Chapter 15: Plan Preparation**

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**[Chapter 19: Plans, Specifications, and Estimates](#)**

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[Section 19-5](#) .....Estimates

**Changes to FDM 19-5 (PS&E - Estimates) include:**

- reorganize the information and incorporate information from FDM 19-07 (PS&E - Bid Items) into FDM 19-5

- create an estimate documentation report template (FDM 19-5-6.1) for submittal with PS&E documents

- and add new guidance for comparing the construction design estimate to the bid results (FDM 19-7-7.3.2).

Revise 19-5-1 (General) to update the reference for mega projects.

Add new subsection 19-5-3 (Bid Item Guidance). Move information from former 19-7-1,1.1 and 1.2 (Usage Guidance for Other Items) to 19-5-3, 19-5-3.1 and 19-5-3.2. Information did not change.

Move information from 19-7-1.1 (Updated/Newer Bid Items) to 19-5-3.1. Information did not change.

Move information from 19-7-1.2 (Usage Guidance for Other Items) to 19-5-3.2 and revise guidance for cold weather marking epoxy.

Move information from 19-5-5.1.2 (Quantities) to 19-5-3.3. Information did not change.

Move information from 19-5-5.7.1 (Undistributed Quantities) to 19-5-3.3.1. Information did not change.

Move information from 19-5-5.7.2 (Payment of Plan Quantities) to 19-5-3.3.2. Information did not change.

Move information from 19-5-5.7.3 (Quantities Rounding) to 19-5-3.3.3. Information did not change.

Move information from 19-5 Attachment 5.1 (FIIPS Quantities Update Form) to 19-5 Attachment 3.1. Information did not change.

Combine 19-5-5.1 (Estimate Components and Accuracy) with former sub-section 19-5-5.1.1 (Unit Cost). Information did not change.

Update 19-5-5.2 (Tools and Resources) estimating guidance information.

Add subsection 19-5-5.3.7 (Unit Price Consideration) to provide additional guidance to help designers determine unit prices.

Move information from 19-5-5.5 (Estimate Documentation) and revise.

Move information from 19-5-5.5.3 (Estimate Documentation Report) to 19-5-6.1. Revise guidance information to include a link to the template for the "Estimate Documentation Report".

Move information from 19-5-5.5.3.1 (Project Information) to 19-5-6.1.1. Revise guidance.

Move information from 19-5-5.5.3.2 (Executive Summary) to 19-5-6.1.2. Revise guidance.

Add new subsection 19-5-6.1.3 (Project Characteristics) guidance.

Move information from 19-5-5.5.2 (Item Level Documentation). Revise guidance.

Move information from 19-5-5.5.3.5 (Estimate Review Summary). Revise guidance.

Move information from 19-5-5.5.3.3 (Estimating Parameters). Revise guidance.

Add subsection 19-5-6.1.7 (Estimate Attachments) guidance.

Move 19-5-5.5.4 (Document Review and Acceptance) to 19-5-7 (Construction Estimate Review). Revise heading name, number, and guidance.

Move 19-5-5.6 (Post Letting Estimate Review) to 19-5-7.3 (Central Office Review). Renumber, add subsection 19-5-7.3.1 (Pre-Letting) and revise guidance.

Section 19-10 .....PS&E Transmittal and Composition

Revise 19-10-43.4.1 (AutoCAD Civil 3D DWG Specifications and Parameters) to add coordinate system requirements to Table 43.1 and remove the coordinate projection information statement in the text.

Section 19-15 .....Special Provisions

Section 19-21 .....Quality Management Program

Section 19-22 .....Post-Advertisement Activities

Section 19-25 .....Local Force Account Agreements

Section 19-30 .....Razing and Removal Contracts

Section 19-35 .....TEA and EDA Funded Projects

Section 19-40 .....Review

Revise 19-40 Attachment 1.2 (Standard Detail Drawings (Examiner's List)) with updated text and bid item information.

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Section 20-5 .....Federal Laws

Section 20-10 .....Federal Policies and Regulations

Section 20-15 .....Federal Interagency Agreements

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