



DBE Program Operation Manual

Wisconsin Department of Transportation

TABLE OF CONTENTS

Chapter 7: Design Development

Section 7-5 Public Involvement

- [7-5-1](#) Initial Public Outreach Process
- [7-5-5](#) Public Involvement Plan
- [7-5-10](#) Public Involvement Meeting (PIM)
- [7-5-11](#) Public Involvement Meeting (PIM) Video Presentation
- [7-5-15](#) Project Websites
- [7-5-20](#) Media Contacts
- [7-5-25](#) Local Officials Meeting
- [7-5-30](#) Local Business Coordination/Meeting

Section 7-10 Design Tools

- [7-10-1](#) Civil 3D
- [7-10-5](#) Quantities 2 Plans (Q2P)
- [7-10-10](#) AASHTOWare Project Estimator
- [7-10-15](#) Bid Express
- [7-10-20](#) Drainage Software

Section 7-25 Design Elements

- [7-25-1](#) Bicycle & Pedestrian Facilities
- [7-25-5](#) Curb Ramp Design
- [7-25-10](#) Erosion Control Plans and Special Provisions
- [7-25-15](#) Drainage
- [7-25-20](#) Storm Sewer Design
- [7-25-25](#) Staging / Constructability / Coordination with Traffic Control
- [7-25-30](#) Outdoor Advertising Reviews and Removals
- [7-25-35](#) Salt Sheds
- [7-25-40](#) Urban Intersection Sight Distance and On-Street Parking Requirements
- [7-25-45](#) Detour Route Improvements/Maintenance Requirements
- [7-25-50](#) Traffic Control, Alternate Entrance Ramp Configuration in High Volume Areas
- [7-25-55](#) Replacing Existing Land Parcel or Boundary Monuments

Section 7-30 Plans Production

- [7-30-1](#) CADD Libraries
- [7-30-5](#) Sheet Masking/Borders
- [7-30-10](#) General Notes
- [7-30-15](#) Region Construction Details Library

Section 7-35 Project Review Process

- [7-35-1](#) Final Scope Certification Review
- [7-35-5](#) Design Study Review
- [7-35-10](#) Pre-PS&E Review
- [7-35-15](#) ePlan Review Process

Section 7-40 PS&E

- [7-40-1](#) PS&E Submittal Process
- [7-40-5](#) Estimate Uploads
- [7-40-10](#) Special Provisions and Specification Modifications Region Library
- [7-40-15](#) Bid Item Guidance
- [7-40-20](#) Estimate Documentation

- [7-40-25](#)Advanceable Projects
- [7-40-30](#)DT25 Recommendation to Governor for Contract and Bond Approval Guidance

Section 7-45 Post PS&E

- [7-45-1](#)Bid Justification Process - State Projects
- [7-45-2](#)Bid Justification Process - Local Projects
- [7-45-5](#)Addenda

Section 7-50 Environmental

- [7-50-1](#)Environmental Overview
- [7-50-5](#)Environmental Document Types
- [7-50-10](#)Coordination Overview
- [7-50-11](#)Tribal Coordination Updated April 1, 2022
- [7-50-13](#)Wisconsin Department of Natural Resources (DNR) Coordination Updated April 1, 2022
- [7-50-14](#)U.S. Fish and Wildlife Service Coordination Update 11/1/2022
- [7-50-15](#)U.S. Army Corps of Engineers Coordination Updated April 1, 2022
- [7-50-16](#)DATCP and NRCS Coordination
- [7-50-20](#)Environmental Resource Analysis
- [7-50-21](#)Section 106 Process
- [7-50-22](#)Wetland Determination/Delineation Process
- [7-50-23](#)Threatened and Endangered Species Impacts
- [7-50-24](#)Hazardous Material (Hazmat) Investigation Request Process
- [7-50-30](#)Environmental Document Review and Approval Process

Section 7-55 Soils and Pavement

- [7-55-1](#)Soils Report
- [7-55-5](#)Pavement Design Report (PDR)

Section 7-80 Traffic

- [7-80-1](#)Traffic Volume Data and Review (Intersection Counts)
- [7-80-5](#)Traffic Forecasting
- [7-80-10](#)Safety Certification Process
- [7-80-15](#)Transportation Management Plan (TMP)
- [7-80-20](#)Incident Management Plan (IMP)
- [7-80-25](#)Intersection Design and Operations
- [7-80-30](#)Traffic Signals
- [7-80-35](#)Intelligent Transportation Systems (ITS)
- [7-80-40](#)Highway Lighting
- [7-80-45](#)Installation of Crosswalk Markings, Flashing Beacons, and Community-Owned Signs
- [7-80-50](#)Electrical Installation Plans

Section 7-85 Utilities

- [7-85-1](#)Utility Coordination Process
- [7-85-5](#)Project Initialization
- [7-85-10](#)Planning and Review Meetings
- [7-85-15](#)1077 Process
- [7-85-20](#)Plat Review by Utility Unit
- [7-85-25](#)1078 Process
- [7-85-30](#)Utility Agreements
- [7-85-35](#)Pre-PS&E and PS&E Submittals
- [7-85-40](#)Permits
- [7-85-45](#)Post PS&E Utility Coordination