



FACILITIES DEVELOPMENT MANUAL

Wisconsin Department of Transportation

TABLE OF CONTENTS

Chapter 17: Railroad Coordination

Section 17-1 Overview

- [17-1-1](#) General
 - [Attachment 1.1](#) Terms and Abbreviations
- [17-1-5](#) Railroad Coordination Overview

Section 17-5 Background

- [17-5-1](#) Sources and Types of Railroad Projects
 - [Attachment 1.1](#) Railroad-Highway Projects, Status Report Flow Chart
- [17-5-5](#) Relevant Statutes
- [17-5-10](#) Negotiating Guidelines
- [17-5-15](#) Manuals and Textbooks
- [17-5-20](#) Data Sources

Section 17-10 Agency Responsibilities

- [17-10-1](#) Role of the Region Railroad Coordinator
- [17-10-5](#) Role of Project Managers
- [17-10-10](#) WisDOT
 - [Attachment 10.1](#) Principal Offices Involved with Railroad-Highway Projects
- [17-10-15](#) Office of the Commissioner of Railroads
 - [Attachment 15.1](#) Preparation for Hearings
 - [Attachment 15.2](#) Example Testimony
- [17-10-20](#) Railroads
 - [Attachment 20.1](#) Legal Names of Railroad Companies Operating in Wisconsin
- [17-10-25](#) Federal Agencies
- [17-10-30](#) Local Government

Section 17-15 Types of Programs

- [17-15-1](#) General Overview

Section 17-20 Implementing Projects

- [17-20-1](#) General
 - [Attachment 1.1](#) Process that is followed for a Highway Improvement Project with a Railroad Crossing but No Railroad Work is Anticipated
 - [Attachment 1.2](#) Sample 86.13 Letter
- [17-20-5](#) Project Scheduling
 - [Attachment 5.1](#) Estimated Minimum Lead Times for Railroad Projects
- [17-20-10](#) The Agreement
- [17-20-15](#) Letter Agreements
 - [Attachment 15.1](#) Sample of Letter Agreement with Railroad (Lump Sum)
 - [Attachment 15.2](#) Sample of Letter Agreement with Railroad (Design Approval)
 - [Attachment 15.3](#) Sample of Letter Seeking Railroad Approval of Contractor Work
 - [Attachment 15.4](#) Sample of Letter Proposing WisDOT Work in Track Zone in Exchange for Railroad Providing Flagging Protection
 - [Attachment 15.5](#) Sample of Letter Proposing WisDOT Remove and Restore a Little-Used Track Crossing
- [17-20-20](#) Detours and Haul Roads

Section 17-25 Active Warning Device Projects

- [17-25-1](#)General
 - [Attachment 1.1](#).....Sample Agreement for Highway-Railroad Grade Crossing Warning Devices
 - [Attachment 1.2](#).....Railroad Crossing Report Form, DT 1589
- [17-25-5](#)Highway Improvement Projects
 - [Attachment 5.1](#).....Process that is followed for a Highway Improvement Project with an At Grade Railroad Component
- [17-25-10](#)WisDOT Safety Projects
 - [Attachment 10.1](#).....Process that is followed for a WisDOT Railroad Safety Project (RR Force Work Component)
- [17-25-15](#)OCR Safety Projects
 - [Attachment 15.1](#).....Process that is followed for an OCR Railroad Safety Project (RR Force WorkComponent)

Section 17-30 Crossing Surface Projects

- [17-30-1](#)General - Criteria
- [17-30-5](#)Highway Improvement Programs
 - [Attachment 5.1](#).....Sample Agreement for Highway-Railroad Grade Crossing Surface - Highway Improvement Program
- [17-30-10](#)WisDOT Safety Project
 - [Attachment 10.1](#).....Sample Agreement for Highway-Railroad Grade Crossing Surface - WisDOT Safety Project
- [17-30-15](#)STH Surface Repair Program
 - [Attachment 15.1](#).....Process for a Crossing Repair Fund Project (No Federal Funds)
 - [Attachment 15.2](#).....Sample Agreement for a Railroad Crossing Repair Fund Project

Section 17-35 Crossing Closure and Consolidation

- [17-35-1](#)Overview
 - [Attachment 1.1](#).....Crossing Closure Incentive Payment Project Process

Section 17-40 Separation Projects

- [17-40-1](#)Overview
 - [Attachment 1.1](#).....Process When the Railroad is Willing to Sign the Stipulation
 - [Attachment 1.2](#).....Process When the Railroad is Unwilling to Sign the Stipulation
 - [Attachment 1.3](#).....Process For <23' Vertical Clearance
 - [Attachment 1.4](#).....Separated Grade Railroad Project Submittal Package
- [17-40-5](#)Structure Criteria/Justification
- [17-40-10](#)Alternatives to Structures
- [17-40-15](#)Bridge Replacement Program
- [17-40-20](#)Structure Agreements
- [17-40-25](#)Costs/Cost Sharing
- [17-40-30](#)Structure on Local System
- [17-40-35](#)Underpass Structures
 - [Attachment 35.1](#).....General Shoo-Fly Case
- [17-40-40](#)Miscellaneous Structure Provisions

Section 17-45 Other Safety Funded Projects

- [17-45-1](#)Railroad Stopping Lanes
- [17-45-5](#)Roadway Treatments at Closures
- [17-45-10](#)Humpback and Sag Crossings
- [17-45-15](#)Track Removals and Modifications
- [17-45-20](#)Enhancement Projects
- [17-45-25](#)Exempt Crossings
 - [Attachment 25.1](#).....Exempt Railroad Crossing Process

Section 17-50 Contract Administration

- [17-50-1](#)General
- [17-50-5](#)Railroad Protective Liability Insurance

Section 17-55 Property

- 17-55-1 General
- 17-55-5 Acquisitions
- 17-55-10 Responsibilities for Acquisitions
- 17-55-15 Determining Compensation

Section 17-60 Design Considerations

- 17-60-1 Locating New Highway - Railroad Grade Crossings
- 17-60-5 Grade Crossing Design
 - Attachment 5.1 Examples of Allowable Roadway Grade Variation
 - Attachment 5.2 Runout Distance D on Approach to Track
- 17-60-10 Railroad Design Considerations
- 17-60-15 Signing at Crossings
- 17-60-20 Warning Devices and Systems
 - Attachment 20.1 Flashing Light Signals, Side of Road - Rural and Urban Roadway
- 17-60-25 Pre-emption/Interconnects
- 17-60-30 Crossing Surface Types
- 17-60-35 Miscellaneous
- 17-60-40 High-Speed Passenger Rail
 - Attachment 40.1 Midwest Regional Rail Initiative, Wisconsin's Portion
- 17-60-45 Transverse Facility Crossings
 - Attachment 45.1 Transverse Facility Decision Process Flow Chart
 - Attachment 45.2 Sample Railroad Notification Letter