# TABLE OF CONTENTS

## Chapter 23: Noise

### Section 23-1 General

- 23-1-1 Introduction
  - 1.1 Originator
  - 1.2 Objective
  - 1.3 Background

- Attachment 1.1 Procedures for Preparing a Highway Noise Analysis
- Attachment 1.2 Glossary

### Section 23-5 Laws, Regulations and Policy Pertaining to Noise Analysis

- 23-5-1 Federal Influence on WisDOT Procedures
  - 1.1 Noise Policy Chronology
  - 1.2 FHWA Approval of Plans and Specifications

### Section 23-10 Project Analysis

- 23-10-1 Guidelines
  - 1.1 Type I Projects
  - 1.2 WisDOT Retrofit Projects
  - 1.3 Type III Projects
  - 1.4 Type I Projects Requiring a Detailed Analysis
  - 1.5 WisDOT Retrofit Projects Requiring a Detailed Analysis
  - 1.6 Construction Noise Analysis
  - 1.7 Notification of Local Officials

### Section 23-15 Factors Influencing Noise Levels

- 23-15-1 Description of Factors
  - 1.1 Traffic Conditions
  - 1.2 Roadway Configuration
  - 1.3 Attenuation Parameters

### Section 23-20 Existing Noise Levels

- 23-20-1 Introduction
- 23-20-5 Measurement
  - 5.1 Site Selection
  - 5.2 Sampling Periods
  - 5.3 Equipment
- 23-20-10 Computer Modeling

### Section 23-25 Future Sound Levels

- 23-25-1 Introduction
- 23-25-5 Design Features
- 23-25-10 FHWA Traffic Noise Model (TNM)
  - 10.1 Summary of Inputs

### Section 23-30 Noise Impact Determination

- 23-30-1 Type I Projects
- 23-30-2 WisDOT Retrofit Projects

### Section 23-35 Noise Abatement Measures

- 23-35-1 Introduction
- 23-35-5 Mitigation Measures
  - 5.1 Traffic Control Measures
  - 5.2 Buffer Zones
Section 23-40 Construction Noise

23-40-1 General
   1.1 Permissible Noise Levels
   1.2 Measurement
   1.3 Prediction
   1.4 Abatement
   1.5 Documentation

Attachment 1.1 Construction Noise/Distance Relationships

Section 23-45 Documentation of Noise Analysis

23-45-1 Projects Not Requiring a Detailed Noise Analysis
   1.1 Traffic Noise
   1.2 Construction Noise

23-45-5 Projects Requiring a Detailed Noise Analysis - Basic and Factor Sheets
   5.1 No Impacts Identified
   5.2 Impacts Identified, Abatement Not Feasible or Reasonable
   5.3 Impacts Identified, Abatement Feasible and Reasonable

23-45-10 Projects Requiring a Detailed Noise Analysis – EIS and Narrative EA
   10.1 Affected Environment
   10.2 Environmental Consequences
   10.3 Construction Noise

23-45-15 Providing Sound Level Information to Local Officials

Section 23-50 Providing Sound Level Information to Local Officials

23-50-1 General

23-50-5 Information to Local Officials – Environmental Document
   5.1 No Noise Impact Identified
   5.2 Noise Impact Identified

Attachment 5.1 Form Letter Template for Noise Notification to Local Officials

23-50-10 Information to Local Officials - Plat Review