

FACILITIES DEVELOPMENT MANUAL

Wisconsin Department of Transportation

TABLE OF CONTENTS

Chapter 23: Noise

Section 23-1 General

23-1-1Introduction

Attachment 1.1Procedures for Preparing a Highway Noise Analysis

Attachment 1.2Glossary

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

23-5-1Federal Influence on WisDOT Procedures

Section 23-10 Project Analysis

23-10-1 Guidelines

Section 23-15 Factors Influencing Noise Levels

23-15-1 Description of Factors

Section 23-20 Existing Noise Levels

23-20-1 Introduction 23-20-5 Measurement 23-20-10 Computer Modeling

Section 23-25 Future Sound Levels

23-25-1 Design Features
23-25-10 FHWA Traffic Noise Model (TNM)

Section 23-30 Noise Impact Determination

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

Section 23-35 Noise Abatement Measures

23-35-1Introduction
23-35-5Mitigation Measures
23-35-6Noise Walls
23-35-7Noise Wall Surface Type Selection
23-35-10Noise Abatement Feasibility
23-35-15Noise Abatement Reasonableness
23-35-20Likely to Be Incorporated into the Project

Section 23-40 Construction Noise

23-40-1General
Attachment 1.1 Construction Noise/Distance Relationships

Section 23-45 Documentation of Noise Analysis

23-45-1 Projects Not Requiring a Detailed Noise Analysis
23-45-5 Projects Requiring a Detailed Noise Analysis - Basic and Factor Sheets
23-45-10 Projects Requiring a Detailed Noise Analysis - EIS and Narrative EA
23-45-15 Providing Sound Level Information to Local Officials

Section 23-50 Providing Sound Level Information to Local Officials

23-50-1General
23-50-5Information to Local Officials – Environmental Document

Attachment 5.1Form Letter Template for Noise Notification to Local Officials
23-50-10Information to Local Officials - Plat Review