

## Railroad Guidelines For Temporary Shoring

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### Railroad Guidelines For Temporary Shoring

requirements when working on Railroad property. 5. The Contractor is required to meet minimum safety standards as defined by the Railroad. 6. All temporary shoring systems that support or impact the Railroad's tracks or operations shall be designed and constructed to provide safe and adequate rigidity. 7.

### UPRR GUIDELINES FOR TEMPORARY SHORING 4-10-2013

All Temporary shoring systems within the clearance envelope (see attached AREMA Minimum Railway Clearance sketch) shall be terminated below the top of rail. An OSHA acceptable handrail is required around all excavation. No cantilever shoring will be allowed within 12 feet of active rails.

### TEMPORARY SHORING GUIDELINES

GUIDELINES FOR TEMPORARY SHORING 1. SCOPE The scope of these guidelines is to inform public agencies, design engineers, contractors and inspectors of current Railroad standards and requirements concerning design and construction of temporary shoring. 1. The term Railroad refers to theBurlington Northern & Santa Fe Railway (BNSF) and/or the Union

### GUIDELINES FOR TEMPORARY SHORING, - Union Pacific Railroad

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### BNSF UP Shoring Guide

For reference, use "Guidelines For Temporary Shoring" published by Union Pacific Railroad and The Burlington Northern and Santa Fe Railway (BNSF). A copy of these guidelines may be obtained from the department at the Bureau of Railroads & Harbors, 4802 Sheboygan Avenue, Madison, Room 701.

### BSP - Temporary Shoring Railroad

•No excavation or temporary shoring installation will be allowed without the special written permisson of SCRRA. Requirements for requesting a variance are provided in Section 10.3. Additional requirements for excavation and shoring within Zone 2 are provided in Section 2.2.

### Excavation Support Guidelines - Metrolink

Chapter 8, "Railroad", is revised to correct the application of the boussinesq loading to comply with the Railroad's Guidelines for Temporary Shoring. The guidelines infer that the railroad live load should start at the top of the shoring system and not at the top of the railroad roadbed. These changes are reflected as follows:

### TRENCHING AND SHORING MANUAL

Guardrail systems shall be capable of withstanding, without failure, a force of at least 200 pounds applied within 2 inches of the top edge, in any outward or downward direction, at any point along the top edge of the guardrail. GUIDELINES FOR ABANDONMENT & REMOVAL OF SUBSURFACE UTILITY STRUCTURES, March 2020 6. 5.

### Union Pacific Railroad

GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS, MAY 2016 4 1. INTRODUCTION 1.1 Purpose The purpose of these Guidelines is to inform Applicants, Contractors and other parties concerned with Railroad policies of the requirements and standards for the design and construction of Grade Separation Projects.

### GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS

sight distance envelope must be maintained for 300 feet along the track either side of the crossing and 100. feet along the road from the nearest track; the sight distance shall be maintained to a height of 3.75 feet. above the pavement. Existing crossings shall be eliminated whenever possible and new roadway.

### STANDARD SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF ...

2007 Railroad Grade Separation Project Guidelines (Annotated by TXDOT) TXDOT Comments to Appendix/Drawings; Temporary Shoring Guidelines; BNSF Preparation of Demolition Plans for Structures Over Railroads Guidelines; Union Pacific Railroad Demolition Guidelines; Union Pacific Railroad Technical Resources for Public Projects (Track Work and Shoefly)

### Railroad Design Guidelines

If any temporary supports interfere with the natural drainage along the Railroad right-of- way, a temporary drainage diversion plan shall be included in the Bridge Removal Plan. The drainage plan shall route all surface water away from the railroad tracks. a) Do not block drainage in side ditches with debris.

### BURLINGTON NORTHERN SANTA FE RAILROAD

Section Q1520A Requirements for Temporary Protection Shields for Demolition and - Construction of Overhead Bridges and Other Structures 8. Section Q2261A -Requirements for Temporary Sheeting and Shoring to Support Amtrak Tracks . DOCUMENT 1 ... Regulations and Requirements: Railroad traffic shall be maintained at all times with

### APPENDIX B Amtrak Requirements/Specifications

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### CHANGE LETTER TRENCHING AND SHORING MANUAL - Revision No. 01

BNSF/UPRR GUIDELINES FOR TEMPORARY SHORING. plans. Comply with design requirements in the the temporary shoring system per the approved track protection shoring proposed. Install approval by the Railroad detailed plans 2. Prior to commencing any work, submit for

### Railroad Requirements for Bridge Projects

Guidelines for Temporary Shoring(1) provides guidelines for when the Cooper E80 loading needs to be included in shoring design (Figure 4). Cooper E80 loading must be included in the design of shoring located in Zone A. The zone of influence recommended by these guidelines is larger than zone of influence generally used by geotechnical engineers.

### FINAL Duevel AREMA Retaining Wall Design for the Railroad ...

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### UP: Specs - Union Pacific Railroad

Provide an effective shoring system capable of withstanding Coopers E-80 live load surcharge, and which is in compliance with OSHA and Federal Railroad Administration (FRA) requirements. For reference, use "Guidelines For Temporary Shoring" published by Union Pacific Railroad and The Burlington Northern and Santa Fe Railway (BNSF).

### BSP - Temporary Shoring Railroad

EXCAVATION WITHIN ZONE 2 WILL REQUIRE SHORING CONSISTING OF INTERLOCKING SHEETING FOR THE PROTECTION OF THE RAILROAD. NO EXCAVATIONS WILL BE ALLOWED IN ZONE 3. ZONE 3 LIMITS DEFINE THE MINIMUM DISTANCE FROM CENTERLINE OF TRACK TO FACE OF SHEETING, IF REQUIRED. TEMPORARY SHORING WITHIN ZONE 1 AND ZONE 2 MUST BE DESIGNED FOR TRAIN SURCHARGE LOADS.

### FIGURE 12 - 27 - NCDOT

The specific requirements for temporary shoring addressed in this document shall be followed for all locations where the Railroad operates, regardless of track ownership. 5. Any items not covered specifically herein shall be in accordance with the AREMA Manual and subject to the review and approval of the Railroad.