

RAILROAD BRIDGE WORKER SAFETY (FALL PROTECTION) ORIENTATION

FOR SHORTLINES, CONTRACTORS & CONSULTANTS

Wednesday, September 23

1:00 PM - 5:00 PM

This seminar is designed for bridge supervisors, bridge maintenance personnel, designers, bridge contractors and consultants, trainers, shortline supervisors, safety managers or any other personnel subject to the FRA 214 Part B Workplace Safety (Railway Bridge Worker Fall Protection) regulation. Participants familiar with OSHA or CSA Fall Protection Regulations will recognize the differences between the FRA and other regulations.

This seminar will provide an in-depth overview using railway photos and common applications of the 214 Part B Regulation including current FRA interpretations. Note: This orientation program cannot fully meet the training requirements of the regulation as bridge workers must be trained on the use and proper fit-up & adjustment of the specific equipment they are using as well as the rescue equipment and procedures they will use. In most cases, this can be accomplished locally after completion of the AREMA orientation program. A workbook with CD-ROM containing this program is provided.

Cost By 8/12/09	
Member	Non Member
\$275	\$425
Cost After 8/12/09	
Member	Non Member
\$375	\$525
Contact Hours	
3.75	

TRACK ALIGNMENT DESIGN

Wednesday, September 23

1:00 PM - 5:00 PM

Thursday, September 24

8:00 AM - 5:00 PM

Friday, September 25

8:00 AM - NOON

Participants will learn design approaches of typical rail service, capacity and routing environmental interface problems with a sharp focus on development and evaluation of horizontal and vertical alignment geometric design. A case study approach provides incrementally higher levels of difficulties with multiple constraints.

This seminar is best for individuals that are responsible for track design production work, with 1-3 years of railroad or track design experience, or more experienced railroaders and engineers moving into track design responsibilities. Participants should have a rudimentary knowledge of railroads and railroad terminology. The IPRE or equivalent is an ideal precursor to this class.

Cost By 8/12/09	
Member	Non Member
\$575	\$725
Cost After 8/12/09	
Member	Non Member
\$675	\$825
Contact Hours	
16	



MAIL: AREMA Conference Registration
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Lanham, MD 20706 USA

WEB: www.arena.org
(Visa, MasterCard or AMEX payments only)

FAX: +1.301.459.8077
(Visa, MasterCard, AMEX or Discover payments only)

Seminar or Workshop Registration Form AREMA 2009 Annual Conference & Exposition

	Cost Before 8/12/09		Cost After 8/12/09	
	Member	Non Member	Member	Non Member
Introduction to Practical Railway Engineering (9/18/09 - 9/20/09)	<input type="checkbox"/> \$600	<input type="checkbox"/> \$750	<input type="checkbox"/> \$700	<input type="checkbox"/> \$850
Derailment Cause Finding & Derailment Prevention (9/19/09 - 9/20/09)	<input type="checkbox"/> \$575	<input type="checkbox"/> \$725	<input type="checkbox"/> \$675	<input type="checkbox"/> \$825
Intermodal Facility Design (9/19/09)	<input type="checkbox"/> \$425	<input type="checkbox"/> \$575	<input type="checkbox"/> \$525	<input type="checkbox"/> \$675
FRA 214: Roadway Worker On-Track Safety (9/19/09)	<input type="checkbox"/> \$275	<input type="checkbox"/> \$425	<input type="checkbox"/> \$375	<input type="checkbox"/> \$525
Environmental Permitting Issues in Railroad Construction Projects (9/20/09)	<input type="checkbox"/> \$425	<input type="checkbox"/> \$575	<input type="checkbox"/> \$525	<input type="checkbox"/> \$675
Track Assessment Tools and Techniques (9/20/09)	<input type="checkbox"/> \$425	<input type="checkbox"/> \$575	<input type="checkbox"/> \$525	<input type="checkbox"/> \$675
Railroad Bridge Worker Safety (Fall Protection) Orientation for Shortlines, Contractors & Consultants (9/23/09)	<input type="checkbox"/> \$275	<input type="checkbox"/> \$425	<input type="checkbox"/> \$375	<input type="checkbox"/> \$525
Track Alignment Designer (9/23/09 - 9/25/09)	<input type="checkbox"/> \$575	<input type="checkbox"/> \$725	<input type="checkbox"/> \$675	<input type="checkbox"/> \$825

Name		AREMA Member ID (Not Required)	
Title			
Company			
Address			
City	State/Province	Zip/Postal Code	Country
Phone		Fax	
E-mail			

Payment Options (Payment must be enclosed and in US Dollars) Registration forms without payment will not be processed.	
<input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> American Express <input type="checkbox"/> Discover	
Account Number	
Expiration Date	CSC Code (3 or 4 digit ID# on back or front (AMEX) of card)
Cardholder's Name (Print)	
Authorized Signature	
Cardholder's Phone Number	Billing Zip/Postal Code
<input type="checkbox"/> Check or money order made payable to AREMA in US Dollars (drawn on a US bank).	
Check #	

Cancellation Policy: Cancellations for an AREMA seminar or workshop must be received in writing on or before August 12, 2009 to obtain a refund. A 20% processing fee will be charged for ALL cancellations. Refunds will not be processed until after the Conference. No refunds will be issued for cancellations made after August 12, 2009. Substitutions may be made for a \$60 processing fee. By returning this form you agree to this cancellation policy.

Seminars in conjunction with the AREMA 2009 Annual Conference & Exposition

INTRODUCTION TO PRACTICAL RAILWAY ENGINEERING

Friday, September 18 1:00 PM - 5:00 PM
 Saturday, September 19 8:00 AM - 5:00 PM
 Sunday, September 20 8:00 AM - 5:00 PM
 (Includes entrance into the AREMA Exposition)

Participants benefiting the most from this course are those with limited exposure to the railway industry, or railroaders with highly specialized positions. For example, a structural engineer well versed in highway bridge design but with some exposure to railway bridge design would gain valuable knowledge about track, signals, and railway operations typically unfamiliar to those outside the industry.

The benefits from this seminar include, contact with other railroad professionals through our low student/instructor ratio. Participants will gain a greater appreciation for the technical and not-so-technical aspects of railroad engineering and operations.

Registration fee includes a workbook containing printed copies of the presentation, and a digital copy of the Practical Guide to Railway Engineering (\$125 value), an 800-page text published by AREMA.

Cost By 8/12/09	
Member	Non Member
\$600	\$750
Cost After 8/12/09	
Member	Non Member
\$700	\$850
Contact Hours	
20	

DERAILMENT CAUSE FINDING & DERAILMENT PREVENTION

Saturday, September 19 8:00 AM - 4:00 PM
 Sunday, September 20 8:00 AM - 12:00 PM

This seminar will introduce participants to the important principles of effective derailment cause-finding. Topics will include wheel/rail interference, site investigation, derailments at switches, making station measurements, evaluating mechanical condition of equipment, train handling, data analysis and documenting the cause.

This seminar is designed for Track Inspectors, Assistant Track Supervisors, Roadmasters, Track Supervisors, Assistant Division Engineers, Division Engineers, Managers and Directors of Track Maintenance for all size railroads and anyone interested in learning more about the principles of effective derailment cause-finding.

Cost By 8/12/09	
Member	Non Member
\$575	\$725
Cost After 8/12/09	
Member	Non Member
\$675	\$825
Contact Hours	
10	

INTERMODAL FACILITY DESIGN

Saturday, September 19 8:00 AM - 4:00 PM

What are Intermodal Facilities? The operations, equipment, technology and design of Intermodal Facilities will be discussed in this seminar. What is happening today and what does the future look like for Intermodal Facilities? What are the environmental impacts and sensitivities for Intermodal Facilities? If you are a Civil or Rail Engineer with varying experience levels this seminar is for you.

Cost By 8/12/09	
Member	Non Member
\$425	\$575
Cost After 8/12/09	
Member	Non Member
\$525	\$675
Contact Hours	
6.5	

FRA 214: ROADWAY WORKER ON-TRACK SAFETY

Saturday, September 19 1:00 PM - 5:00 PM

This workshop has been developed for any potential roadway worker or contractor to a railroad.

FRA 214: Roadway Worker On-Track Safety is required by the 49CFR FRA 214 Regulations. This workshop will meet all FRA requirements relating to On-Track Safety using video, PowerPoint presentation and is instructor led.

Cost By 8/12/09	
Member	Non Member
\$275	\$425
Cost After 8/12/09	
Member	Non Member
\$375	\$525
Contact Hours	
3.75	

ENVIRONMENTAL PERMITTING ISSUES IN RAILROAD CONSTRUCTION PROJECTS

Sunday, September 20 8:00 AM - 5:00 PM

This one day seminar will discuss topics such as environmental site assessments, endangered species and cultural/historical issues, wetlands, storm water and air permits, waste management, environmental training and more.

This seminar is designed for Engineering, Environmental, Construction, Industrial Development, and Planning Department Staff from the railroads, as well as their contractors and consultants.

Cost By 8/12/09	
Member	Non Member
\$425	\$575
Cost After 8/12/09	
Member	Non Member
\$525	\$675
Contact Hours	
7.5	

TRACK ASSESSMENT TOOLS AND TECHNIQUES

Sunday, September 20 8:00 AM - 4:00 PM

This one day workshop will discuss briefings on how to inspect tracks using handheld tools and how to use the data from automated inspection systems, including the use of computer and web based data management tools and to conduct follow-up inspections on tracks.

This workshop is geared toward professions within the railroad industry who inspect track or uses track inspection data.

Cost By 8/12/09	
Member	Non Member
\$425	\$575
Cost After 8/12/09	
Member	Non Member
\$525	\$675
Contact Hours	
6.25	

