



NHI Newsletter

July 2011

Improving the performance of the transportation industry through training.

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TRANSPORTATION IN THE NEWS

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AUGUST TRAINING SESSIONS

Interested in taking an NHI training course in August?

There are 10 NHI courses currently scheduled across the country in the month of August. Visit the [NHI Web site](#) to see a list of next month's training sessions.

If you can't make it to any of NHI's in-person, Instructor-led trainings, you can always take a self-paced, Web-based training (WBT). NHI now

FHWA and NHI Receive an IBC Engineering Excellence Award

The 2011 International Bridge Conference (IBC) Awards were held last month at the David L. Lawrence Convention Center in Pittsburgh, PA. FHWA and NHI were awarded the IBC Engineering Excellence Award for their development of the reference manual *Analysis and Design of Skewed and Curved Steel Bridges with LRFD*. The manual provides training material covering the analysis, design, creation, and construction of skewed and horizontally curved steel bridges using load and resistance factor design (LRFD). It also addresses the many challenges State agencies face when seeking full LRFD implementation.



Dr. Firas I. Sheikh Ibrahim (left), current Team Leader of

offers more than 100 WBTs. Click [here](#) to see a complete list of NHI's WBTs.

QUESTIONS?

E-mail [NHI Marketing](#)

Infrastructure Management in the FHWA Office of Infrastructure Research and Development, and Louisa Ward (right), NHI Training Program Manager for Structures, Hydraulics, and Geotechnical Programs with their IBC Engineering Excellence Awards.

New Course Spotlight: Implementation of LRFD Geotechnical Design for Bridge Foundations (132083)

The Implementation of Load and Resistance Factor Design (LRFD): Geotechnical Design for Bridge Foundations is a Web-conference training (WCT) that is designed to assist transportation agencies with the successful development of LRFD Design Guidance for bridge foundations. The training follows the 2010 American Association of State Highway Transportation Officials (AASHTO) LRFD Bridge Design Specifications, Fifth Edition, while incorporating local experiences of design engineers and various transportation agencies. The course is presented in two sessions with a variety of interactive discussions and exercises to verify achievement of learning objectives.

The training introduces a step-by-step procedure for implementing the LRFD platform and provides recommendations to assist transportation agencies in implementing these steps. It also highlights principal changes in the AASHTO design specifications regarding the transition from allowable stress design (ASD) to LRFD and discusses options for selecting LRFD design methods.

The course is designed for geotechnical and bridge designers involved with the development of LRFD specifications for foundation design and construction, as well as those who manage and conduct LRFD geotechnical research or design bridge foundations. All participants are expected to have completed NHI Course 130082B, LRFD for Highway Bridge Substructures and Earth Retaining Structures (4-Day), or possess equivalent knowledge of AASHTO LRFD Specifications for structural foundation. Participants are also expected to be familiar with AASHTO Standard Specifications (ASD) design methods for foundations.

For more information about this course, please visit the [NHI Web site](#).

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