COURSE SPOTLIGHT

Since October 2007, the Federal Highway Administration has required all new bridges on Federal-aid projects to use load and resistance factor design (LRFD). LRFD is a probability-based design method in bridge engineering that aims to provide a uniform level of safety for all span lengths and material types.

NHI recently launched a series of three Web-based courses to help meet the training needs of structural engineers, designers, and project managers. The series is a followup to NHI’s popular instructor-led course launched in late 2016, LFRD for Highway Superstructures.
JUST LAUNCHED

NHI relies on local agencies to hold Instructor-led Trainings throughout the country. The following trainings just launched this month and may not have sessions scheduled yet. Bring training directly to your organization, by hosting a session.

You can also sign up for alerts when new sessions are scheduled by visiting the course description page.

- **Introduction to Transportation Asset Management with Workshop** (ILT): This course introduces participants to the application of asset management principles in real life situations through a series of workshops. Covers asset management principles, performance measures, long-term financial planning, risk assessment, and implementation.

- **Developing a Transportation Asset Management Plan** (ILT): A blend of online and classroom training, this course introduces the role of the Transportation Asset Management Plan (TAMP) as a planning, communication, and accountability tool.

- **Safety Inspection of In-Service Bridges for Professional Engineers** (ILT): This new version of NHI’s highly-acclaimed bridge inspection course meets the NBIS requirement for comprehensive bridge inspection training and has been streamlined to better suit experienced professional engineers, while retaining strong emphasis on bridge inspection, documentation, and coding requirements.

- **Fundamentals of Environmental Justice** (WBT): This course presents participants with a variety of strategies and resources for considering environmental justice throughout the transportation decision-making process.
NEW & UPDATED: THIS YEAR

NHI is always releasing new courses and updating our existing courses based on the latest technologies, best practices and industry advancements. Here are the latest courses—click any of the links below to learn more about that course.

- **Asset Management**
  - Introduction to Financial Planning for Transportation Asset Management
  - Risk Management
- **Communications**
  - Instructor Development Course (IDC) for Web-conference Training
- **Construction and Maintenance**
  - Rockfall Stabilization
- **Geotechnical**
  - Ground Modification Methods (3 versions available)
- **Highway Safety**
  - Speed Management
- **Hydraulics**
  - Hydraulic Toolbox
Structures
Design and Evaluation of Bridges for Fatigue and Fracture
Tunnel Safety Inspection Refresher Prerequisite
LRFD Design of Common Bridge Elements: Decks and Bearings
LRFD Steel I-Girder Details Design
Prestressed Concrete Girder Topics
Fundamentals of Bridge Maintenance
Bridge Maintenance

Transportation Performance Management
The Role of Data in Transportation Performance Management
Transportation Performance Management (TPM) for Safety
Effective Target Setting for Transportation Performance Management

Transportation Planning
Basics of Transportation Planning
Transportation Planning Process

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