

# LEARNING IN PROGRESS

October 2017

## 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, LRFD for Highway Superstructures.

[Read More](#)



## 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.

### Host a Training

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.
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## **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.

[See All Courses](#)

### [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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