

**COURSE NUMBER**

FHWA-NHI-130092A

**COURSE TITLE****Load and Resistance Factor Rating for Highway Bridges**

This course provides novice and experienced bridge engineers with the fundamental knowledge necessary to apply the most recent AASHTO Load and Resistance Factor Rating (LRFR) Specifications to bridge load rating.

**OUTCOMES**

Upon completion of the course, participants will be able to:

- Describe the purpose of performing a load rating
- Identify the benefits of the LRFR methodology
- Demonstrate the LRFR process and the general load rating equations
- Explain legal loads and their use in load rating
- Determine distribution factors for load rating
- State the LRFR limit states
- Select evaluation factors for rating
- Describe the process for load posting and importance of load posting
- Describe the procedure for checking overload permits
- Demonstrate the application of LRFR requirements by completing load rating exercises

**TARGET AUDIENCE**

Bridge engineers with 0-20 years of experience.

**TRAINING LEVEL:** Basic

**FEE:** 2013: \$800 Per Person; 2014: N/A

**LENGTH:** 2 DAYS (CEU: 1.2 UNITS)

**CLASS SIZE:** MINIMUM: 20; MAXIMUM: 40

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