



## COURSE NUMBER

FHWA-NHI-130081D

## COURSE TITLE

### LRFD Steel I-Girder Details Design

This course provides training to apply the key LRFD limit state verifications for specific details associated with steel girders. This includes a description of the LRFD design requirements for stiffeners, shear connectors, cross-frames, diaphragms, welded connections, and bolted field splices.

## OUTCOMES

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

- Describe the function, behavior, and LRFD design requirements for transverse and bearing stiffeners and shear connectors
- Describe the function, behavior, and LRFD design requirements for cross-frames, diaphragms, and both bolted and welded connections
- Describe the function, behavior, and LRFD design requirements for bolted field splices

## TARGET AUDIENCE

The target audience for this course is practicing public and private sector structural and bridge engineers with 0 to 20 years of experience. This includes agency and consultant structural designers, as well as project managers. Individuals taking these courses should have a minimum Bachelor of Science in Civil Engineering (BSCE) or equivalent degree. This course is intended for engineers that require experience with AASHTO bridge design provisions and updates.

**TRAINING LEVEL:** Basic

**FEE:** 2016: \$25 Per Person; 2017: N/A

**LENGTH:** 3 HOURS (CEU: .3 UNITS)

**CLASS SIZE:** MINIMUM: 0; MAXIMUM: 0

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