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: 2020: $0 Per Person; 2021: N/A

LENGTH: 3 HOURS (CEU: .3 UNITS)

CLASS SIZE: MINIMUM: 0; MAXIMUM: 0

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