

NHI/FHWA Course No. 130055

Safety Inspection of In-Service Bridges

Course Description

Course Number: 130055

Course Title: Safety Inspection of In-Service Bridges

Length: 10 Days (CEU: 6.0 Units)

Class Size: Min. 20 - Max. 30

Description: This course is based on the "Bridge Inspector's Reference Manual" and provides training on the safety inspection of in-service highway bridges. Satisfactory completion of this course will fulfill the training requirements of the National Bridge Inspection Standards (NBIS) for a comprehensive training course. This course is not geared towards fracture critical, underwater, or complex structures.

Mid-term and final examinations based on course content will be administered to participants. The sponsoring agency/State may monitor the examinations and retain the scores to qualify or certify bridge inspectors.

New Requirement: The host/sponsoring agency is required to provide transportation for course participants to attend the field trip portion of this course at the host/sponsoring agency's own expense. Please coordinate with the instructor on the timing of the field trip.

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

- Describe the importance of bridge inspection.
- Discuss the duties and responsibilities of a bridge inspector.
- Define the fundamental bridge inspection concepts.
- Describe the four basic bridge materials.
- Identify and discuss mitigation strategies for personal and public safety issues associated with bridge inspections.
- List the inspection equipment needs for various types of bridges and site conditions.
- Describe the various components of bridge inspection reporting.
- Identify, evaluate, and document the various deficiencies that can exist on bridge decks.
- List design characteristics of common concrete superstructures.
- Describe inspection procedures and locations for common concrete superstructures.
- Identify and evaluate the various bridge bearing deficiencies.
- Identify and evaluate the various bridge substructure deficiencies.
- Identify and evaluate the various bridge waterway deficiencies.
- Discuss the need to inspect underwater portions of bridges.
- Describe nondestructive evaluation techniques for the three basic bridge materials.
- Demonstrate how to field inspect and rate a common concrete bridge.
- List design characteristics of common steel superstructures.
- Describe inspection procedures and locations for common steel superstructures.
- Identify and evaluate the various culvert deficiencies.
- Demonstrate how to field inspect and rate a common steel bridge.
- List design characteristics of common timber superstructures.

Target Audience: Federal, State, and local highway agency employees and consultants involved in inspecting bridges or in charge of a bridge inspection unit. A background in bridge engineering or completion of NHI course FHWA-NHI-130054 Engineering Concepts for Bridge Inspectors is strongly recommended.

Scheduled Sessions: Please contact the Local Coordinator listed below to register for a specific session. The Local Coordinator provides all logistical information (e.g. location, times, lodging, etc.). FHWA employees must register in LADS and contact the FHWA Coordinator to determine if an FHWA slot is available.



Class Schedule:

2017				
Month	Days	Location	Host Agency	Contact
December	04-15	Lansing, MI	Ace of Michigan	Cindy Schmitz 517-332-2066 cschmitz@acecmi.org
December	04-15	Baton Rouge, LA	Louisiana DOT & Development	Allison Landry 225-767-9134 Allison.landry@la.gov
December	04-15	Duluth, MN	Fish and Associates, Inc.	Bardette Grim 608-831-3238 bgrim@fishassoc.com
October	16-27	Trenton, NJ	New Jersey DOT	Patrick Vannozi 609-530-4942 Patrick.vannozi@dot.state.nj.us
October	16-27	Schaumburg, IL	Illinois DOT	Amy Young 217-782-4731 amy.l.young@illinois.gov
September-October	25-06	Sacramento, CA	California DOT	Anthony Traina 916-769-1786 Anthony.traina@dot.ca.gov
September	18-29	Montgomery, AL	Alabama DOT	Benjamin Yates 334-242-6284 yatesb@dot.state.al.us
September	11-22	Fairfield, ME	Maine DOT	Lisa Hughes 207-624-3423 Lisa.Hughes@maine.gov
August-September	21-01	Honolulu, HI	Hawaii DOT	Saeid Pourjalali 808-791-3959 saeid@kaihawaii.com
August	14-25	Lebanon, OH	Ohio DOT	Jennifer Henderson 513-933-6685 Jennifer.henderson@dot.ohio.gov
July	10-21	JBLM-MCCHORD AFB, WA	IMCOM	Edgardo Ruiz 601-634-2549 Edgardo.ruiz@usace.army.mil
June	05-16	Annapolis Junction, MD	GPI	Kyle Smith 410-880-3055 ksmith@gpinet.com
June	05-16	Newington, CT	Connecticut DOT	Susan Baillargeon 860-594-3600 susan.baillargeon@ct.gov
May	15-26	Huntington, WV	West Virginia DOT	Edward Armbruster 304-528-5655 Edward.f.armbruster@wv.gov
May	08-19	New York City, NY	AECOM	Lisa MacKay 212-896-0333 lisa.j.mackay@aecom.com
May	08-19	Macon, GA	Georgia DOT	Vivian Reid 404-507-3409 vreid@dot.ga.gov

April-May	24-05	Ridgeland, MS	Office of State Aid Road Construction	Marie Allbritton 601-359-7150 mallbritton@osarc.state.ms.us
April-May	24-05	Fort Worth, TX	Texas DOT	Audrey Zenon 512-416-2000 Audrey.zenon@txdot.gov
April	03-14	Rosedale, MD	Marine Solutions, Inc.	Dannette Hudson 443-484-2394 dhudson@msimarinolutions.com
March-April	27-07	Jefferson City, MO	Missouri DOT	Koenig David 573-526-0556 David.koenig@modot.mo.gov
March	20-31	Knoxville, TN	Tennessee DOT	Kenneth Williams 615-532-3812 Kenneth.d.williams@tn.gov
March	20-31	Raleigh, NC	AECOM	Kyle Compton 919-854-6254 kyle.compton@aecom.com
March	13-24	Shoreview, MN	Minnesota DOT	Norm Plasch 651-366-3301 Norm.plasch@state.mn.us
February-March	27-10	North Brunswick, NJ	MP Engineers	Mahendra Patel 732-274-1100 mpatel@mpengs.com
February-March	27-10	Springfield, IL	Illinois DOT	Amy Young 217-782-4731 amy.l.young@illinois.gov
February	06-17	Topeka, KS	Kansas DOT	Becky Welsh 785-291-3463 becky.welsh@ksdot.org
February	06-17	New York, NC	Haks Engineers, PC	Jessica Peruti 212-747-1997 jperuti@haks.net
January	16-27	Harriman, NY	C.V. Associates NY; PE, LS, P.C.	CV Shashikumar 845-774-1075 cvany@cvassociatesny.com
January	09-20	Jackson, MS	Mississippi DOT	Fred Ruder 601-359-7755 fruder@mdot.state.ms.us
January	09-20	Mobile, AL	Thompson Engineering	Charlie Weston 251-510-6886 cweston@thompsonengineering.com

* = Specific location to be determined