

Training: Where & How to Get It

Peter Weykamp. P.E.





Objective

Training is available

Training can be local

Training options exist

Training is worthwhile







What's in it for You?

- Understand bridge needs
- Improve crew skills set
- Achieve cost savings
- Expand capabilities
- Reduce user delays
- Reduce injuries
- Improve crew morale







Formal Training Availability

NHI: Bridge Maintenance NHI-130108

4 day course - covers all aspects

Exper. & trained instructors

All new

Recommended - requisite

Web based training

NHI 130107A





Bridge Maintenance NHI 130108

- Develop & implement cost-effective preservation strategy
- Identify maintenance &/or repair needs
- Discuss preservation options
- Describe tasks step-by-step
- Identify critical members
- Recognize problems that warrant specialized expertise
- Apply effective management techniques



Training Level: Intermediate

Fee: ~ \$1000/per person;

Length: 4 days

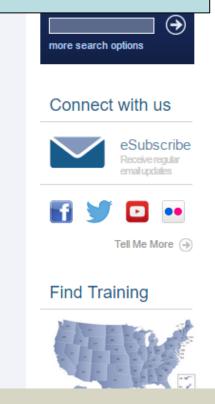


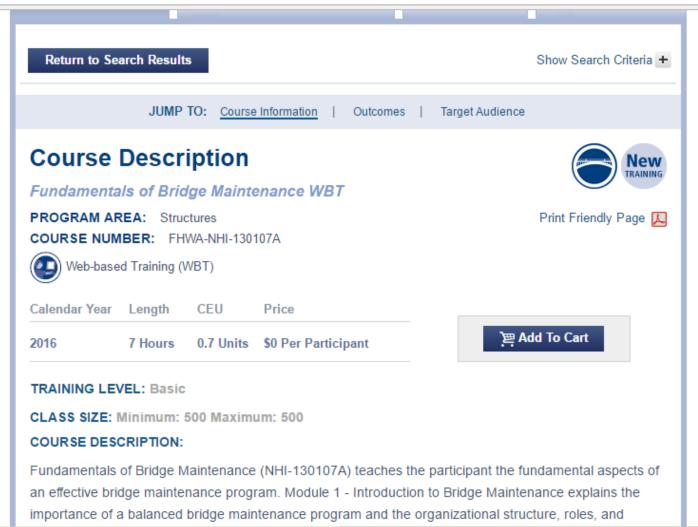


NHI Training (cont.)

villianiwa.uou.gov/training/course_search.aspxrtab=ouxey=bnuge rmaintenanceuxyp=ousr=oucourse_no=rooro/m

Recommended pre-requisite: Web-based training to review fundamentals







NHI Training (cont.)

Fundamentals of Bridge Maintenance

Welcome & Introduction

Resources Glossary Help

NHI-130107A Module 0

supervise these activities. After completing Modules 1 through 6, you will complete the End-of-Course Assessment. In order to receive a "Certificate of Course Completion" and the continuing education

70 percent or better.

Image Description

Image Description

following order:

Maintenance

Outline

Narration Search

NHI-130108. This training will be most relevant to participants who are involved in bridge maintenance activities or

units, or CEUs, associated with this course series, you must successfully pass the final assessment with a minimum score of

You will be given three opportunities to successfully complete the final

Box containing module title for Module 0:

Box containing module titles in the

Module 1: Introduction to Bridge

Plan to complete each assessment attempt in one sitting. If the assessment is left unattended or untouched for

approximately 25 minutes, the assessment will close out and be graded "as is", and an attempt will be counted.

Self-paced with "assessments"

equence

FHWA-NHI-130107A

Module 0: Welcome & Introduction

- Module 1: Introduction to Bridge Maintenance
- Module 2: Bridge Maintenance Management
- Module 3: Bridge Anatomy
- Module 4: Bridge Mechanics
- Module 5: Concrete Basics
- Module 6: Maintenance of Bridge Ancillary



End-of-Course Assessment

Module 2: Bridge Maintenance Management Module 3: Bridge Anatomy

Welcome and Introduction.

Module 4: Bridge Mechanics Module 5: Concrete Basics

Module 6: Maintenance of Bridge Ancillary

Features Image Description

Arrow graphic.

4 Minutes 18 Seconds Remaining





Features













NCPP Training







Ed Welch

Ed Welch is the former Bridge Maintenance Engineer for New Hampshire DOT. He currently serves as the Bridge Preservation Engineer for the AASHTO TSP-2 Program.



Pete Weykamp

Maintenance Engineer for New York State DOT. He currently serves as an Indpendent Consultant working onseveral national training initiatives.

TRAINING TOPICS

Sessions will be tailored to specific audiences. These Sessions will include but will not be limited to:

- Washing and Sealing
- Concrete Repair
- Structural Steel Protection
- Joint Maintenance/Repair

Asset Management Systems

ABOUT US

NCPP @ MSU has expanded the training that they are offering to Local Agencies by including Bridge Preservation Training. Understanding the need for training and the development of Municipal Programs specific to the preservation of the Non State Owned Bridges is vital to the overall condition of the country's 608,000 Bridges. It is emphasized in this training that an effective/balanced Bridge Preservation Program includes all aspects of Preservation, including Reactive and Proactive Maintenance

WHY CHOOSE US

Between the two insructors, they bring more than seventy years of experience in maintaining and preserving bridges. These gentlemen know and regularly communicate with the national community of Bridge Preservation Practioners, including: State Bridge Maintenance Engineers, Suppliers, Consultants, Contractors, FHWA Division Engineers, and Academia NCPP: Bridge Maintenance

Adjustable to needs

Location options

Currently 5 modules

"Building Towards Bridge Preservation"

"Preventative Maintenance"

"Expansion Joints

"Concrete Repair"

"Bridge Preservation Workshop"











NCPP Bridge Maintenance Training



Training Level: Basic to

Intermediate

Fee: < \$2,000 per class

Length: 1 day or adjustable

NCPP Customer Service: (517)

432-8220

ncpp@egr.msu.edu





TSP2 Website



BRIDGE LIBRARY

TSP2 HOME

NCPP HOME

ASSET MANAGEMENT

CORROSION MITIGATION

DECK PRESERVATION

DESIGN

JOINTS & BEARINGS



TSP2 Website (cont.)

JOINTS & BEARINGS

JOINTS

PRESENTATION TITLE	PRESENTER	DATE	PDF
■ Bridge Joint Performance in Northeastern States	Scott Civjan	May-16	F 00
■ Bridge Joint Performance in California	Tony Brake	May-16	F01
■ Industry Perspective on Bridge Expansion Joints	John Manning, Philip Benevides, Matthew Keilson	May-16	<u>.</u>
Small Movement Joint Maintenance	Mark Croarkin	Sep-15	F01
Small Movement Expansion Joints: Performance & State of Practice in the Northeast	Tripp Shenton	Apr-14	To Table
■ Joint Sealing For Small Span Bridge Decks	Joseph Becker	Apr-14	PO!
	Irene N		POF



Agency Sponsored Training

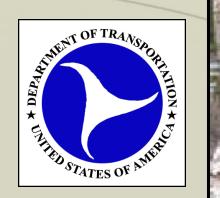






Welcome..... a workshop on Bridge

Maintenance







A
workshop
presented
by the

Maine Local Roads Center

Ben Foster





Agency Manuals

Maine Municipal Bridge Maintenance Manual



Submitted to MaineDOT

Submitted by T.Y. Lin International

12 Northbrook Drive Building A, Suite One Falmouth, Maine 04150

November 19, 2010

FUNDAMENTALS OF BRIDGE MAINTENANCE AND INSPECTION









NEW YORK STATE DEPARTMENT OF TRANSFORTATION OFFICE OF OPERATIONS

OFFICE OF TRANSPORTATION MAINTENANCE





Industry Technology Demonstrations









FHWA Sponsored Training







Program Level Training



MICHIGAN STATE UNIVERSITY



Enhancing Capabilities







References & resources

- NHI
- NCPP
 - Regional Bridge PPs
- Agencies
- LTAP
- Industry
- Associations
- Demonstrations





Review

- A variety of means to provide training
- Various types of training
- Provided resources to support training initiatives
- Contact information for formal training





QUESTIONS? COMMENTS?

Peter Weykamp, P.E peterweykamp@outlook.com

