Southeast Bridge Preservation Partnership Meeting – April 2015

FHWA Maintenance Training
Update of Current NHI Courses

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NHI Bridge Preservation Web-based Training Course Series

NHI Course FHWA-NHI-130106, Bridge Preservation – Series

Course 1 – Bridge Preservation Fundamentals – 4 hours

Course 2 – Establishing a Bridge Preservation Program – 5 hours

Course 3 – Communication Strategies for Bridge Preservation – 3 hours

Target Audience: includes Federal, State, and local bridge engineers and managers involved in or becoming involved in highway bridge preservation

Project Status:

- Development Completed
- Course will be offered by NHI very soon!

NHI Bridge Maintenance Training Course Series

1. Update the Bridge Maintenance Reference Manual

2. Develop new web-based training modules - NHI Course FHWA – NHI 130107
    a. Course 1 - Fundamentals of Bridge Maintenance - Prerequisite (8 hours)
    b. Course 2 - Maintenance Practices of Bridge Painting - Optional (3 hours)
    c. Course 3 - Maintenance of Movable Bridges – Optional (3 hours)
    d. Course 4 - Maintenance of Masonry Bridges – Optional (2 hours)

3. Update the Instructor-led training course – 4 days - NHI Course FHWA – NHI 130108

Target Audience: Individuals involved in onsite bridge maintenance activities and those that supervise and manage these activities

Project status:

- Overall project approx. 50% complete
- Target Completion Date: 2016

NHI Bridge Management Web-based Training Course Series

NHI Course FHWA – NHI 130109

Course A – Bridge Management Fundamentals – 4 hours

Course B – Performance-Based Management of Bridges – 4 hours

Project Status:

- Development Completed
- Pilot Completed
- Anticipate offering by NHI later this year

NHI Bridge Management Web-based Training Course Series

Course A: Bridge Management Fundamentals is a general high level course that presents bridge management concepts with respect to its benefits, the organizational structure and components of a bridge management approach, the analytic aspects of a BMS including types of data input, computational models and output, considerations when selecting a BMS tool, steps to implementing a BMS, and effectively using a BMS and its output. Some agency perspectives are also presented.

Course B: Performance Based Management of Bridges is a general high level course that presents how bridge management tools assist with performance management, the use of performance measures, assessment of cost-effectiveness via life cycle cost analysis and benefit cost analysis concepts, the assessment of risk, and communicating the benefits of bridge management tools and performance based bridge management.

NHI Website:

https://www.nhi.fhwa.dot.gov/default.aspx