

Update on FHWA Bridge Preservation Related Activities

2013 SEBPP Meeting
April 4, 2013
Norfolk, VA

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North Carolina Division**

Bridge Inspection

- Updating the NBIS
- Updating the Bridge Inspection Coding Guide
- Implementing Element Level Inspections

Bridge Management

- Developing a new web-based NHI Bridge Management training course
 - Part I “ Bridge Management Fundamentals”
 - Part II “ Performance Based Management for Highway Bridges”
 - Project status: contract advertised. Anticipate contract award in summer of 2013
- Developing a bridge management system implementation guide
- Supporting bridge management portions of asset management rulemaking

Bridge Preservation

- Developing three (90 minutes each) web-based training modules for construction personnel
 - Module 1: Sealing and Waterproofing Bridge Components
 - Module 2: Coating and Painting Bridge Superstructures
 - Module 3: Safety During Bridge Preservation Activities
 - Project Status: Contract awarded to PerformTech
Anticipated completion by end of 2013

Bridge Preservation

- Developing a new web-based NHI Bridge Preservation Training Course
 - Course 1: Bridge Preservation Fundamentals
 - Course 2: Establishing a Bridge Preservation Program
 - Course 3: Communication Strategies for Bridge Preservation
 - Project Status: Contract awarded to Baker. Anticipate completion of the training course in the end of 2014

Bridge Preservation

- Updating NHI Bridge Maintenance Training Course
 - Update Bridge Maintenance Reference Manual
 - Develop a prerequisite WBT course “Fundamentals of Bridge Maintenance”
 - Update the Instructor-led training course
 - Develop Optional WBT courses:
 - Maintenance Practices of Bridge Painting
 - Maintenance of Movable Bridges
 - Maintenance of Masonry Bridges
 - Project status: contract advertised. Anticipate contract award in spring of 2013

Bridge Preservation Expert Task Group

- **Background**
- **Accomplishments**
- **Current and ongoing activities**

Bridge Preservation Expert Task Group

Background

- The FHWA BPETG was formed in 2010
- Consists of volunteers from FHWA, States, Industry, and Academia
- The purpose of the BPETG is to advance and improve the state of the practice in the area of bridge preservation by working collaboratively with federal, state and local agencies, industry, and academic interests

Bridge Preservation Expert Task Group

Accomplishments

- Development of a Strategic plan
- Provided leadership in the development of the Bridge Preservation Definition that was adopted by AASHTO in 2011
- Developed a white paper on bridge preservation related performance measures
- Contributed to the development of the bridge preservation website (tool box)

<http://www.fhwa.dot.gov/bridge/preservation/>

Bridge Preservation Expert Task Group

Accomplishments (continued)

- Contributed to the development of the bridge preservation guide

<http://www.fhwa.dot.gov/bridge/preservation/guide/guide.pdf>

- Developed a communication and outreach plan
- Contributed to the publication of Bridge Preservation articles

Bridge Preservation Expert Task Group

Current and ongoing activities

- Development of an innovation exchange public website (SharePoint)
- Support the implementation of SHRP2 R19A
“Design for 100 years and beyond service life”
- Support the development of Bridge Preservation related training
- Support activities of the TSP-2 Bridge Preservation Partnerships and other BP groups and committees

Bridge Preservation Expert Task Group

Current and ongoing activities (continued)

- Support the collection and dissemination of effective BP actions and strategies
 - *NCHRP 14-23*
 - *State Bridge Engineers survey*
 - *Industry partners questionnaire on innovation*
- Development of pocket guides

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Thank You!

Questions and suggestions may be directed to:

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