

**NCHRP Research Update
Bridge Maintenance**

**Research Update to Bridge Technical Working Group
AASHTO SCOM Meeting
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**J. L. Milton
Bridge Preservation Specialist
Virginia Department of Transportation**

Complete NCHRP Projects

- NCHRP 14-24 – “Guidance for Communicating the Value of Highway System Maintenance and Preservation” – Research Agency: High Street Consulting Group – Project complete and NCHRP Report 742 issued.
- NCHRP 14-27 – “A Guide for the Preservation of Highway Tunnel Systems ” – Research Agency: Gannett Fleming, Inc. – Project complete and NCHRP Report 816 issued.

Complete NCHRP Projects

- NCHRP Project 20-07/Task 379 - Update the SCOM Strategic Plan – Work complete - Workshop conducted July 9-10,2015, at the National Academies' Beckman Center in Irvine, California.

Active NCHRP Projects

- NCHRP 12-100 – “Guidelines for Maintaining Small Movement Bridge Expansion Joints” – Research Agency: University of Delaware – Research in progress – Panel is currently reviewing the Final Report and Guidelines.
- NCHRP 14-29 - Assessing, Coding, and Marking of Highway Structures in Emergency Situations - Research Agency: Oregon State University – Research in progress – Estimated completion date: 2016.

Active NCHRP Projects

- NCHRP 14-28 – “Condition assessment of bridge post tensioning and stayed cable systems using NDE” – Research Agency: Texas A&M Transportation Institute – Interim Report No. 2 issued – Work Underway on Phase III – Estimated completion date: September 30, 2016.
- NCHRP 14-30 – “Spot Painting to Extend Highway Bridge Coating Life” – Research Agency: Kentucky Transportation Center – Research in progress - Estimated completion date: 2016.

Active NCHRP Projects

- NCHRP 14-32 - Proposed Revisions to the AASHTO Movable Bridge Inspection, Evaluation, and Maintenance Manual - Research Agency: Parsons Brinckerhoff – Research in progress – Estimated completion date: 2016
- NCHRP 10-97 – “Detection and Remediation of Soluble Salt Contamination Prior to Coating Steel Highway Structures” – Research Agency: Elzly Technology Corporation – Research in progress - Estimated completion date: July 15, 2018.

Active NCHRP Projects

- NCHRP 14-23 – “Practical Bridge Preservation Actions and Investment Strategies” – Research Agency: Michigan State University – The work under the current task descriptions of NCHRP 14-23 has been terminated. The work that was completed through Phase 1 and Phase 2 has been documented in three un-reviewed deliverables submitted by the research team.
- Further research related to bridge preservation will be performed under the new NCHRP Project 14-36 – “Proposed AASHTO Guide for Bridge Preservation Actions”. Research Agency: University of Colorado - Boulder – Research in progress - Estimated completion date: February 12, 2018.

Active NCHRP Projects

- NCHRP 12-104 – “Guidelines to Improve the Quality of Element-Level Bridge Inspection Data ” –
Research Agency: University of Missouri – Research in progress - Estimated completion date: November 10, 2017.
- NCHRP 12-108 - Guide Specification for Service Life Design of Highway Bridges - Proposals were received on November 19, 2015 in response to the RFP - A research agency has been selected and a contract is being processed.

Active NCHRP 20-07 Projects

- NCHRP Project 20-07/Task 380 -Update the AASHTO Maintenance Manual for Roadways and Bridges – The RFP was posted on December 31, 2015 and the RFP close date was February 18, 2016. A research agency has been selected and a contract is being processed.
- NCHRP Project 20-07/Task 387 - Maintenance Actions for Fatigue Cracking in Steel Bridge Structures - Research Agency: Purdue University – Research in progress - Estimated completion date: February 2, 2017.

Proposed NCHRP 20-07 Projects

- The following projects were submitted in April, 2016 and were selected for funding at the 2016 AASHTO Spring meeting
 - NCHRP Project 20-07/Task 396 - Updating the AASHTO Seismic Hazard Maps and Site Coefficients
 - NCHRP Project 20-07/Task 397 - Characteristics of Decommissioned Bridges
 - NCHRP Project 20-07/Task 399 - Identifying Bridge Maintenance and Preservation Activities which Minimize Environmental Impact