

AASHTO Subcommittee on Maintenance (SCOM)

Bridge Technical Working Group (BTWG)

Research Projects Sponsored by the BTWG of SCOM

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J. L. Milton
Chair BTWG
Bridge Preservation Specialist
Virginia Department of Transportation



NATIONAL BRIDGE PRESERVATION PARTNERSHIP CONFERENCE 2014

PRESERVATION: THE BRIDGE TO SUSTAINABLE 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



Active NCHRP Projects

- NCHRP 14-23 – “Practical Bridge Preservation Actions and Investment Strategies” – Research Agency: Michigan State University – Work underway on Phase II – Estimated completion date: March 2015



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 – Estimated completion date: May 2015



Active NCHRP Projects

- NCHRP 14-30 – “Spot Painting to Extend Highway Bridge Coating Life” – Research Agency: Kentucky Transportation Center - Phase I underway - Estimated completion date: March 2016



Active NCHRP Projects

- NCHRP 12-100 – “Guidelines for Maintaining Small Movement Bridge Expansion Joints” – Proposals have been received in response to the RFP. The panel was scheduled to meet in March 2014 to select a contractor to perform the work.



NCHRP Problem Statements Submitted by the BTWG at the 2013 SCOM Meeting:

- Quantifying the Environmental Benefits of Bridge Preservation Treatments (NCHRP Problem F-03) – This project was selected by the AASHTO SCOR during the March 2014 meeting – This selection is contingent on the availability of funds - An allocation of \$500,00 was requested for this project



NCHRP Problem Statements Submitted by the BTWG at the 2013 SCOM Meeting:

- Maintenance Actions for Fatigue Cracking in Steel Bridge Structures (NCHRP Problem F-05) – This project was not selected by the AASHTO SCOR during the March 2014 meeting – The BTWG will review this project for possible re-submission



NCHRP Problem Statements Submitted by the BTWG at the 2013 SCOM Meeting:

- Detection and Remediation of Total Soluble Salt Contamination Prior to Coating Structural Steel (F-06) - This project was selected by the AASHTO SCOR during the March 2014 meeting and was assigned NCHRP Project Number 10-97 – This project has an allocation of \$500,000
- Projects that are selected by the AASHTO SCOR are subject to approval by 2/3 of the AASHTO Board of Directors



SCOM BTWG Work Plan for 2014

- **Focus Area – Research**

- Submit previously listed research problem statements
- Implementation recommendations for NCHRP 14-24, Report 742 “Communicating the value of preservation”



Meetings of AASHTO SCOM

- 2013 – July 20-25 – Burlington, Vermont
- 2014 – July 27-31 – Charleston, West Virginia
- 2015 – Iowa – Joint meeting with TRB – Theme: Practical Innovations In Maintenance – TRB is preparing a call for abstracts for papers concerning challenges/issues/unmet needs in maintenance
- 2016 – Nebraska
- 2017 – Rhode Island
- 2018 – North Carolina – Joint meeting with TRB
- 2019 – Michigan

