NCHRP Research Update
Bridge Preservation and Maintenance

July 2017

J. L. Milton
Bridge Preservation Specialist
Virginia Department of Transportation
Complete NCHRP Projects


Complete NCHRP Projects

- NCHRP 14-29 – “Assessing, Coding, and Marking of Highway Structures in Emergency Situations” - Research Agency: Oregon State University – Project Complete - The research report has been published as NCHRP Report 233. The Assessment Process Manual, Coding and Marking Guidelines are published as Volumes 2 and 3, respectively, of the report. The Guidelines for Development of Smart Apps will be available on the TRB website (www.trb.org) as NCHRP Web-Only Document 223. To facilitate use, the assessment forms and training material will be posted on the NCHRP Report 833 summary page and will be available by searching the TRB website for NCHRP Report 833.
Complete NCHRP Projects

Complete NCHRP Projects

Complete NCHRP Projects

Complete NCHRP 20-07 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 – Updated plan published on SCOM website.
Complete NCHRP 20-07 Projects

Active NCHRP Projects


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.

Active NCHRP Projects


Active NCHRP 20-07 Projects

Active NCHRP 20-07 Projects


Complete NCHRP Domestic Scan

- NCHRP Domestic Scan 15-03 – “Successful Preservation Practices for Steel Bridge Coatings” - Information documented by the scan team will provide effective strategies and other specific information for use by bridge owners in their preservation of coating systems for steel structures that will result in substantial cost savings and significant extension of service life – A peer exchange workshop was conducted from May 23 – 26, 2016 in Orlando, Florida – Final scan report issued and posted on TRB website.
Active NCHRP Domestic Scan

• NCHRP Domestic Scan 17-01 – “Successful Approaches for use of Unmanned Aerial Systems by Surface Transportation Agencies” – Scan team is currently being formed.
Pending NCHRP Project

- “Improving the Guidelines for Inspection and Strength Evaluation of Suspension Bridge Cables.”

The research objective is to improve the current industry practice in inspection and strength evaluation of existing suspension bridge main cables.

This project has been funded by the SCOR and will be part of this year’s NCHRP Program (Project F-07).