Pavement & Bridge Research Roadmap Update

A Status Report at The 2013 Joint Annual Meeting of MWPP & MWBPP

Indianapolis, IN
November 11 - 13, 2013
Schedule

• 1st Half
  – Background to the 2008 TSP Roadmap
  – Why Update the 2008 Roadmap?

• Half Time Show (Lady GaGa or Keith Urban it ain’t)

• 2nd Half
  – Further Notes on Project Status & Future Activities
Background to the 2008 TSP Roadmap

• Roadmap project sponsored by FHWA w/ cooperation from AASHTO; began in 2006
• Jim Sorenson was the driving force behind the project
• NCPP had key role in the project
• Initial Activities – project panel
  – Identified key preservation topic areas
  – Recruited experts to write white papers on the topic areas
Background to the 2008 TSP Roadmap

• In a series of meetings of federal, state and private sector preservation experts
  – White papers were presented
  – Breakout groups identified key R&D needs
  – Developed draft research needs statements
  – Polished the statements and formatted like TRB statements
  – Ranked the research needs by importance and urgency
Background to the 2008 TSP Roadmap

• Final report published in January 2008 as a resource for planning preservation research programs and projects
Why Update the 2008 Roadmap?

• The 2008 Roadmap:
  – Is now 6 years old
  – Was a snapshot in time of preservation research needs
• The emphasis on and support for system preservation is growing stronger by the year
• New research needs are being identified and research projects sponsored as a result of various activities, such as
Why Update the 2008 Roadmap?

– Annual meetings of the 8 preservation partnerships
– Periodic meetings of the preservation ETGs
– By individual DOTs
– Annual meetings of SCOBS, SCOM
– FHWA
– Activities of numerous TRB Committees including
  • AHD18 Pavement Preservation
  • AFHD000 Joint Subcommittee for Bridge Preservation
  • Perhaps soon to be a standing TRB committee
Why Update the 2008 Roadmap?

• Preservation research projects are being funded under the NCHRP program
• The LTBP program is now a potential platform for long term research into preservation of bridges
  • 1st high priority area to be studied is bare decks
  • The next high priority area of research could be
    – Treated bridge decks, or
    – Steel bridge coatings
Why Update the 2008 Roadmap?

• Industry involvement continues to be strong & growing
  – FP2
  – Bridge industry coalescing into a consistent voice to support preservation
Why Update the 2008 Roadmap?

• Some MAP-21 requirements will lead (I think) to system preservation as a valuable option for meeting performance measures

• For some or all of these reasons, the AASHTO TSP2 Oversight Panel decided to commission a project to update the roadmap

• 3-year update project being conducted by NCPP
Halftime Show
Other Notes on Current Status & Future Steps

• Extensive literature search for recent and ongoing preservation research projects
• Survey of state DOTs to identify preservation-related research projects
• **TRID** – Transportation Research International Documentation database
• **RIP** – Research in Progress database
Other Notes on Current Status & Future Steps

• Continue to populate the database
• Perhaps reorganize those groupings - Asset Management, etc.
• Develop a new set of research needs statements
• Re-issue a new research roadmap (2015?)
• Maintain the database
Thank you

Questions