

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

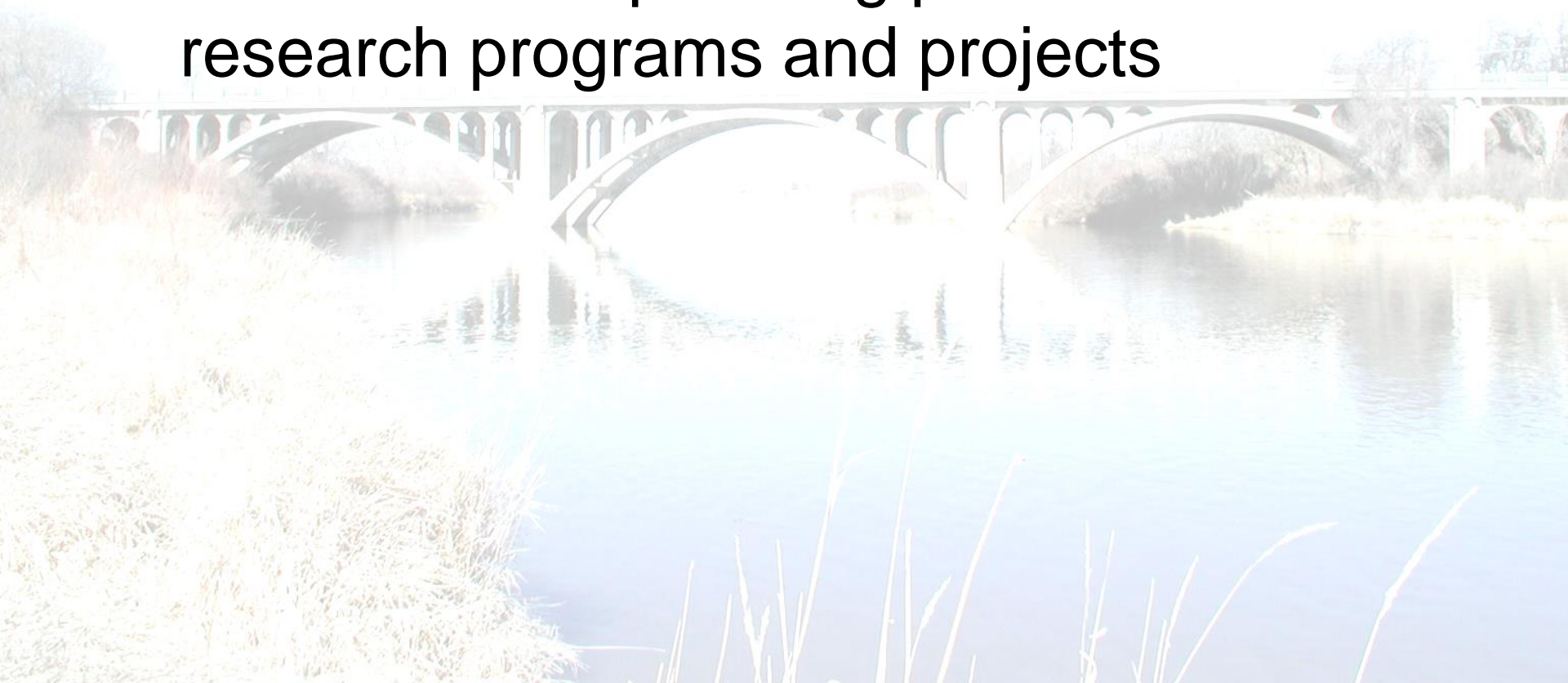
- Roadmap project sponsored by FHWA w/ cooperation from AASHTO; began in 2006
- Jim Sorenson the was driving force behind the project
- NCPP had key role in the project
- Initial Activities – project panel
 - Identified key preservation topic areas
 - Recruited experts to write white papers on the topic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

A photograph of a multi-arched bridge spanning a river. The bridge has several large, rounded arches supported by concrete piers. The water is calm, reflecting the bridge and the sky. In the foreground, there are tall, dry reeds on the left bank and some grasses on the right. The sky is a pale, clear blue. The text "Halftime Show" is overlaid in the center of the image.

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

