

Midwest Bridge Preservation Partnership

2023 PowerPoint Index

Hosted by South Dakota Department of Transportation
The Lodge at Deadwood

Tuesday October 17, 2023			
TOPIC/ACTIVITY		MODERATOR/ PRESENTER	
SESSION 1: Welcome & Regional Bridge Preservation (Pine Crest B)		Moderator: Todd Thompson, SDDOT	
1.1 Welcome by South Dakota DOT		Steve Johnson, Chief Bridge Engineer, SDDOT	
1.3 Digital Twin/Rehab of Keystone Wye		Todd Thompson, SDDOT	
1.4 Flood Sealing Bridge Decks in Northeast South Dakota		Josh Olson, SDDOT	
1.5 Complex Inspection? Simple Solution: Digitizing Inspection Workflow		Marc Parker, Collins Engineers	
SESSION 2: Bridge Management – Timely Preservation (Pine Crest B)		Moderator: Philip Meinel, WisDOT	
2.1 AASHTO Preservation Management Update		Nancy Huether, NCPP Haylye Brown, LADOTD	
2.1 BPETG Update			
2.1 AASHTO MaC Bridge TWG Presentations			
2.2 Federal Lands Highway Division Bridge Management System - National Park Service (NPS) Perspective		Jorgomai Ceesay, FHWA Eastern Federal Lands Highway Division	
2.3 Berrien County Michigan Using ArcGIS for Bridge and Culvert Preservation Management		Kevin Stack, Berrien County, MI & Dave Juntunen, Mott MacDonald	
Wednesday October 18, 2023			
SESSION 3.1: Bridge Preservation Research (Pine Crest B)		SESSION 3.2: Specialty Topics in Bridge Preservation (Bullock)	
Moderator: Jared Backs, Ohio DOT		Moderator: Walt Peters, Oklahoma DOT	
3.1.1 Update on TPF-5(436) Effects of Pack-out Corrosion in Steel Bridge Members	Robert J. Connor, Purdue	3.2.1 Drill into Timber Decay: Identifying Internal Timber Decay	Tanner Wild, Collins Engineers, Inc.
3.1.2 NCHRP DS 22-01: Recent Leading Innovations in Design, Construction and Materials for Concrete Bridge Decks	Ashley Jacobson, MnDOT	3.2.2 Real Time Vehicular and Vessel Collision Monitoring System	Mehdi Kalantari Khandani, Resensys
3.1.3 WI Research on Deck Infrared Thermography Verification	Philip Meinel, WisDOT	3.2.3 Beyond Federal Aid: Federal Discretionary Grants	Tim Anderson, FHWA
3.1.4 NDE Scanning and Photogrammetric Data for Concrete Bridge Decks and Girders Condition Assessment	Larry D. Olson, Olson Engineering	3.2.4 Performance Evaluation of Elastomeric Bearing Pad Through Extensive Laboratory Full-scale Testing	Saeed Nejad, Wiss Janney, Elstner Associates, Inc.

SESSION 4.1: Preservation and Inspections (Pine Crest B)		SESSION 4.2: Local Agency Preservation (Bullock)	
Moderator: Marc Parker, Collins Engineers		Moderator: Drew Storey, Clark Dietz	
4.1.1 Oklahoma's Five Inch Reinforced Overlays on Continuous Haunched Slab Spans	Walt Peters, ODOT	4.2.1 Statewide Off-System Bridge Load Rating Program (Kansas)	Scott Moeder, GBA
4.1.2 DOT Oversight for Local Agency NBIS Compliance	Eric Souhrada, IowaDOT	4.2.2 UHPC & Local Agency Bridge Preservation	Dewayne Rogers, Clare County, MI
4.1.3 SNBI data collection - State's case study	Hooman Parvardeh, AssetIntel	4.2.3 Cost Effective Maintenance Practices for Rural Bridges	Yanling Leng, IMEG Corp
SESSION 6: Culverts & Tech. Tour (Pine Crest B & Downtown Deadwood)		Moderator: Andrew Lawver, MnDOT	
6.1 CO DOT Bridge Division and Town of Castle Rock Rehabilitate Six Parallel Large Diameter Bridge-Supporting CMPs Using Centrifugal Cast Concrete Pipe		Keith Walker, Waterline Renewal Technologies	
6.2 Large Culvert Rehabilitation with a Spray Applied Structural Geopolymer Mortar Lining		Jason DeRuyver, HDR	
6.3 History of the Deadwood Box		Katrina Davidson, SDDOT	
Thursday October 19, 2023			
SESSION 8: Stuff Too Good to Miss ☺ (Pine Crest B)		Moderator: Dick Dunne, GPI	
8.1 Cathodic Protection Case Studies for Midwest Bridge Structures		Chris Ball, Vector Corrosion	
8.2 Bridge Deck Innovations for Longer Life Cycle: INDOT's use of bridge deck technologies on the I-469 Bridge Replacement		Adam Post, INDOT David Brodowski, TrueTech Bridge	
8.3 Establishing NDE Protocols for Use in Early Age Bridge Deck Preservation Strategies		Amir Rezvani, Infratek	
<p style="text-align: center;">8.5 Panel Session: Working Group Updates</p> <p style="text-align: center;">Panel Members:</p> <p>Pat Martens, Hydro Technologies- Modified Concrete, Co-Chair – Bridge Deck Preservation Dave Juntunen, Mott MacDonald, Co-Chair – Bridge Preservation BMS Derrick Castle, Sherwin Williams, Chair – Bridge Preservation Coatings Dick Dunne, GPI, Co-Chair – Construction Quality of Bridge Preservation Mario Baggio, Alchemco, Co-Chair – Innovative Technology Demonstration (ITD) Jason DeRuyver, HDR – Local Agency Outreach</p>		<p style="text-align: center;">Panel Moderator: David Miller, NCPP</p>	