



2021 Joint WBPP / MWBPP Regional Meeting

Tuesday, December 7 - Plenary Session & "A" Sessions

Welcome by Arizona DOT		David Eberhart Arizona DOT	
AASHTO T-9 Bridge Preservation Update		Rebecca Nix	Utah DOT
Ten Years of Progress in Bridge Preservation in Washington State		Chris Keegan	NCPP @ MSU
Arizona DOT Deck Preservation Treatments		David Benton	Arizona DOT
Bridging Kentucky: Creating Value through Innovative Program Approaches		Royce Meredith Tony Hunley	Kentucky Trans Cabinet Stantec Consulting Services
Brent Spence Bridge Fire		Josh Rogers	Kentucky Trans Cabinet
Session 2A Theme: Bridge Asset Management			
Updating NDDOT's Bridge Management / Inspection / Preservation Programs		Nancy Huether	North Dakota DOT
Updating MnDOT's Bridge Worker Formula		Sarah Sondag	Minnesota DOT
Process of Getting a Programmatic Agreement for Historic Bridges		David Miller	Louisiana DOTD
Session 3A Theme: Repair/Preservation			
Replacing a 1931 Double Bascule Lift Span Control System		Andrew Blower	Oregon DOT
Rehabilitation of Historical Steel Bridge no. 321 over Rio Grande of Manati in Ciales, PR		Alvin Rodriguez	CMA Architects & Engineers
Incorporating Steel Repairs into Large Scale Bridge Painting Projects		Tony Serdenes	GPI
I-40 Hernando DeSoto Bridge Repairs		Aaron Stover	Michael Baker International
Heat Straightening of a Bridge Multiple Times		Carl Hendricks	Whatcom County, Washington
Session 4A Theme: Preservation of Bridge Decks			
ITD Project Report: How to Waterproof and Protect Your Bridge for Decades		Mario Baggio	Alchemco
Penetrating Sealer Performance Criteria on Bridges - A New Perspective		John T. Kevern	University of Missouri - Kansas City
Epoxy Injection of Delaminations in Bridge Decks		Jason DeRuyver	Michigan DOT
Bridge Deck Hydrodemolition Case Studies		Pat Martens	Hydro-Technologies, Inc.
Tuesday, December 7 - "B" Sessions			
Session 2B Theme: Strengthening of Bridges			
Strengthening of a PT Box Girder Bridge- Extending the Life		Travis Kinney	David Evans and Associates
Advancements in Applications of Titanium Alloy Bars for Bridge Rehabilitation and Preservation		Chris Higgins	Oregon State U.
Making CFRP Work for Bridge Rehabilitation		William Downes	Arizona DOT
Session 3B Theme: Bridge Preservation by Local Agencies			
Local Agency Bridge Preservation / FHWA BPETG Case Study		Gregg Freeman	Kwikbond Polymers
Bridge Preservation at the Maricopa County Department of Transportation		Jimmy Camp & Ryan Jones	Maricopa County DOT, Arizona
Data Driven Asset Management		Michael Marshall	Stantec Consulting Services
Strengthening of Local Bridges in Wisconsin to Remove Load Postings		Bill Oliva	Wisconsin DOT
Harrison County Indiana Bridge Preservation Program		Mel Quickmiller	Harrison County Highway Department, Indiana
Session 4B Theme: Stuff Too Good to Miss			
Bridge Maintenance Performance Measures		Sarah Sondag	Minnesota DOT
Nondestructive Evaluation of PT Ducts in a Segmental Box Girder Bridge- The West Seattle High Bridge NDE		Shane Boone	BDI
Pile Bent Strengthening of In-Service Bridges		Nick Haltvick	Minnesota DOT
Preservation and Asset Management at Colorado DOT		Natasha Butler	Colorado DOT

Wednesday, December 8 - "A" Sessions

Session 5A Theme: Preservation of Bridge Decks

Wisconsin Deck Protocols	Basak Bektas	U. Minnesota, Mankato
Deck Deterioration Modelling Report	Bill Oliva	Wisconsin DOT
Utah DOT Research to Develop Bridge Deck Chloride Testing Protocols	Becky Nix & Mike Brown	Utah DOT WSP USA
Evaluation of Deck Sealer Effectiveness: Bridge Deck Sealant Monitor	Glenn Washer	University of Missouri - Columbia
Bridge Deck Preservation with Ultra-High Performance Concrete Overlays	Peter Seibert & Gilbert Brindley	UHPC Solutions North America
Correcting Grade on Structures using Epoxy Polymer Concrete	Ray Breer	e-chem

Session 6: Peer Exchange Breakouts

Best Practices for Extension of Bridge Service Life Bridge Scour (Mitigation, Contracting for Scour Mitigation Work) Concrete Repairs & Preservation	Travis Kinney, DEA Bill Oliva, WISDOT & Andrew Blower, Oregon DOT	Pat Connor, U. of Herb McDowell, IDOT & Bobby Scarpitto, Kwikbond
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Session 7A Theme: Corrosion Protection & Mitigation

NCHRP Duplex Coating Research Project 12-117	Peter Ault	KTA-Tator/Elzly Technology
International Bridge Preservation – HRCSA One Coat Paint System	Karl Hansen	International Bridge Authority
The Success of Two Thirty-year-old Cathodic Protection Systems	Paul Vinik	GPI
Replacing a Zinc Impressed Current Anode On a 1932 Coastal Concrete Arch	Andrew Blower	Oregon DOT
Findings of a 15-year Follow Up on Use of Surface Anodes to Deteriorated Pier Caps.	Brian Pailles	Vector Corroison Services

Session 8A Theme: Inspection of Bridges

Implementation Strategies for Risk-Based Inspection	Glenn Washer	University of Missouri - Columbia
ITD Project Report - Transparent SIP Deck Forms	David Brodowski	TrueTech Bridge
ITD Project Report - Preservation of Concrete Decks Using Silane Water Repellents	Tim Woolery	Adv. Chem. Tech.
ITD Project Report - SME-PS Durability Enhancers for Bridge Deck Preservation	Paul Imbrock	Indiana Soybean Alliance

Wednesday, December 8 - "B" Sessions

Session 5B Theme: Load Ratings, Posting Needs & More

Fatigue Retrofits for Two Suspension Bridges in the Patagonia Region of Chile	Christopher Dyck	COWI North America Ltd.
Load Ratings, Bridge Postings, and Emergency Vehicles in Oregon	Matt Harlan	David Evans and Associates
Fast Act Emergency Vehicle (EV3) Load Rating	Walt Peters	Oklahoma DOT
Panel Session: Impact of Updates to Load Ratings On Posting and Strengthening Needs		Moderator: Matt Harlan, DEA, Inc
Panelists: Walt Peters, OKDOT Bill Oliva, WisDOT Roman Peralta, WsDOT		

Session 6: Peer Exchange Breakouts

	Topic	Discussion Leaders
	Bridge Joints	David Benton (AZDOT) & Andy Castillo, Sika/Emseal
	Preservation of Concrete Decks	Sarah Wilson, Illinois DOT & Michael Brown (WSP USA)
	Steel Repairs & Preservation	Nancy Huether, NDDOT & Aaron Stover, Michael Baker International

Session 7B Theme: Using Inspection Data to Support Preservation Decision-making

Enhanced Pier Cap Inspections: Inspection for Analysis	Dustin Thomas	Minnesota DOT
Inspection of Wisconsin Decks Using Thermography	Philip Meinel	Wisconsin DOT
Regional Working Group Update: MWBPP Bridge Inspection Program Managers	Nancy Huether	North Dakota DOT
Panel Session: Using Inspection Data to Support Preservation Decision-making		Moderator: David Bohnsack, Wisconsin DOT
Panelists: Dustin Thomas, MnDOT Philip Meinel, WisDOT Hooman Parvardeh, Bridge Intelligence		

Session 8B Theme: Preservation - Bridge Joints & Beam Ends

NCHRP Scan - Bridge Ends & Approach Slabs	Jason DeRuyver	Michigan DOT
UHPC in Practice – Corroded Steel Repair	Graham Bettis	Texas DOT
Joint Elimination Through Pier Integration – Conversion of 5 Simple Spans to One Continuous Deck Over 4 Piers	Christopher Dyck	COWI North America Ltd.
Link Slabs for Joint Elimination	Richard Dunne	GPI

Thursday, December 9 - Session 9A

Session 9A Theme: Innovative Inspection Technology

Advanced Reality Modeling and Augmented Reality Technology Applied to a Stone Arch Bridge Rehabilitation Project in Minneapolis	Barritt Lovelace	Collins Engineers
Drone Photogrammetry & Multi-Beam Sonar Merging for Scour Critical Bridges	Michael J. Banasiak	Collins Engineers
Umaned Aerial Systems for Bridge Inspection	Brandon Henning	Nevada DOT
SHM for Bridge Scour Monitoring	Benoit Kroely	Sixsense-Group

Thursday, December 9 - Closing Plenary Session, Business Meetings

Session 10 Panel Session: Deploying Innovative Inspection Technology

Panelists: Matt Kurle NDDOT Andrew Blower, ODOT Glenn Washer, U. Missouri-Columbia

Thursday, December 9 - "B" Sessions

New No-Login Cloud-Based LTBP InfoBridge Web Portal: A Platform to Easily Query, Visualize, and Analyze Bridge Information	Jean Nehme	FHWA Turner-Fairbank Highway Research Center
Dots Can Save Time & Increase Efficiency by Using Tablet-Based Inspection Platforms	Hooman Parvardeh	Bridge Intelligence
Wireless Structural Monitoring Provides Asset Mgmt for Bridge Preservation	Geoff Korfin	Resensys
Identification of Hidden Deficiencies in Timber Bridge Elements	Jordan Furlan	Collins Engineers