

TUESDAY

OCTOBER 14

WEDNESDAY

11:00 AM REGISTRATION

Grand Ballroom

1:00 PM WELCOME, OPENING REMARKS,

AND ATTENDEE CHALLENGE

Grand Ballroom

Moderators: Dave McCormick, WSDOT & Debbie Lehmann, FHWA (Washington)

KEYNOTE SESSION 1:15 PM

Grand Ballroom

The Mike & Mac (M & M) Show presents

"A Day in the Life of a Bridge Maintenance Supervisor"

Mike Gehring, ODOT & Steve McIntyre, WSDOT

1:45 PM **PLENARY SESSION**

Grand Ballroom

Full Rip 9.0

Sandi Doughton, Seattle Times

Preparing Oregon for Cascadia Subduction Zone Earthquakes

Luci Moore, ODOT

BREAK 3:00 PM

Exhibit Hall

SESSION 1: PEER EXCHANGE DISCUSSION 3:30 PM

Exhibit Hall

Moderator: Chris Keegan, WSDOT

Break into peer exchange groups. Each table will

have a moderator and a note taker.

5:00 PM ICE BREAKER GATHERING

Exhibit Hall

7:00 AM **BREAKFAST**

Exhibit Hall

8:00 AM **SESSION 2: HOT TOPICS**

Grand Ballroom

Moderator: Holly Winston, ODOT

Welcome

Matt Garrett, ODOT

Reports from Peer Exchange Groups

Selected presenters

Post Earthquake, Level 1 Response

Archie Allen, WSDOT

Advance Bridge Crew Training: **Repairing Prestressed Girders** with Cable Splices & Carbon Wraps

Jeff Bowser, Caltrans

10:00 AM BREAK

Exhibit Hall

10:30 AM SESSION 3: STEEL BRIDGE REPAIRS

Grand Ballroom

Moderator: Glen Scroggins, WSDOT

St. John's Bridge Cable Tensioning

Mike Gehring, ODOT

Relocating of the Norton Creek Bridge Jim Stouder, Benton County (WA) Public Works

Simpson Avenue Bridge Portal Raising

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Corey Hall, WSDOT

12:00 PM LUNCH (PROVIDED)

Exhibit Hall

Hosted by

Federal Highway Administration, Washington State Department of Transportation, Oregon Department of Transportation, Alaska Department of Transportation and Public Facilities, California Department of Transportation, and Idaho Transportation Department.

Management by Washington State University Conference Management

ALL HANDS ON DECK Maintaining a State of Good Repair

2014 Pacific Northwest

BRIDGE MAINTENANCE

Conference

OCTOBER 15

THURSDAY



1:00 PM SES

SESSION 4: TIMBER BRIDGE REPAIRS

Grand Ballroom

Moderator: David O'Longaigh, Portland DOT

Wood Cap Replacement Using Steel & Wood

Jason Goetz, WSDOT

Wood Cap and Pile Replacement

Kent Kalsch, ODOT

Modern "Old School" Timber Repair

Tim Pimley, ODOT

Timber Bridge Preservation

Jay Nickerson, WSDOT

3:00 PM

BREAK

Exhibit Hall

3:30 PM

SESSION 5:

BRIDGE REPAIR AND REPLACEMENT

Grand Ballroom

Moderator: Scott Wilcox, WSDOT

Wallace Viaduct Modular Joint Inspection

and Replacement Project

Herb McDowell, Idaho Transportation Department & Jeremy Koonce, Collins Engineers

County Bridge Replacement Using ABC Techniques

James Carpita, Beaverhead County (MT)

Thurston County Bailey Bridge Construction

Brian Meier, Thurston County (WA) & Loren Wilson, WSDOT

5:00 PM ADJOURN FOR THE DAY

7:00 AM BREAKFAST

Exhibit Hall

8:00 AM SESSION 6: DECK REPAIRS

Grand Ballroom

Moderator: Roman Peralta, WSDOT

King Salmon Temporary Repair

Rod Blohm, Alaska DOT

Delaminated Deck Overlay Repair

Brent Dodge, WSDOT

Polyester Polymer Concrete

Kent Kalsch, ODOT, Jared Trowbridge, OBEC & Dan Uldall, Kwik Bond Polymers

Pothole and Hole Thorough Deck Repair

Darin Wilkens, WSDOT

10:00 AM BREAK

Exhibit Hall

10:30 AM SESSION 7: BRIDGE PRESERVATION

Grand Ballroom

Moderator: Craig Yasuda, WSDOT

Mission Bridge Rocker Replacement

Dave McGirr, ODOT

Steel Truss Bridge Washing

Denny Bowden, WSDOT

11:30 AM CLOSING SESSION

Grand Ballroom

Moderators: Jeff Swanstrom, ODOT &

Tim Rogers, FHWA (Oregon)

2012 Best Presentation Award

 ${\it Carl\,Morgan\,(Bridge\,Preservation\,Conference\,Recap)}$

Scholarship Recipients

State of Good Repair: National Bridge Preservation

Partnership (NBPP) Meeting Recap

Mark Cleaver, Yakima County (WA) Public Services

State of Good Repair: National Bridge Preservation

Partnership (NBPP) Meeting Recap

Michael Shepard, Marion County (OR) Public Works

2014 Best Presentation Award & Door Prizes

12:30 PM CONFERENCE ADJOURNS

TUESDAY



KEYNOTE A DAY IN THE LIFE OF A BRIDGE MAINTENANCE SUPERVISOR

Mike Gehring, ODOT & Steve McIntyre, WSDOT

The Mike & Mac Show explores the age-old question: What does a supervisor do during a normal day?

PLENARY

PLENARY SESSION

Full Rip 9.0

Sandi Doughton, The Seattle Times

Sandi Doughton is an award-winning science writer for *The Seattle Times* and the author of *Full Rip 9.0: The Next Big Earthquake in the Pacific Northwest*. Doughton has been covering Northwest earthquakes for nearly 20 years, first at The News Tribune of Tacoma and for the past decade at The Seattle Times. Doughton set out to be a biologist, but after graduate research that required her to stand in a walk-in freezer and drip rattlesnake venom into test tubes, she decided to combine her interests in journalism and science.

Her first science-writing job was in Los Alamos, New Mexico, birthplace of the atomic bomb and the center of some of the country's most cutting edge and controversial research—including work on laser fusion and the "Star Wars" missile defense system. Her science reporting has taken her to the Bering Sea, where she covered climate change and chased seals over pancake ice, and to Africa, where she wrote about the Gates Foundation's efforts to develop a vaccine for malaria. But earthquake science is her favorite subject, because it's a great example of the way research can make a difference in people's lives.

Preparing Oregon for Cascadia Subduction Zone Earthquakes

Luci Moore, ODOT

Luci Moore will examine Seismic Resiliency in Oregon's Cascadia Subduction Zone. She is a member of the Oregon Seismic Resiliency Task Force working with Oregon legislators to be prepared for the Cascadia Subduction Zone Earthquakes. The Task Force is looking at what funding needs are and how to approach funding so that Oregon can be resilient when "The Big One" happens. Luci will also discuss Oregon's approach to Seismic Resiliency, such as human factors at a high level.

SESSION 1

PEER EXCHANGE GROUP DISCUSSION

Break into peer exchange groups. Each table will have a moderator and a note taker.



ALL HANDS ON DECK
Maintaining a State of Good Repair

2014 Pacific Northwest BRIDGE MAINTENANCE Conference

WEDNESDAY

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SESSION 2 HOT TOPICS

Post Earthquake Level 1 Response

Archie Allen, WSDOT

This presentation is intended to provide basic information to assist maintenance technicians in developing key initial damage assessments.

Advance Bridge Crew Training: Repairing Prestressed Girders with Cable Splices & Carbon Wraps

Jeff Bowser, Caltrans

This presentation will discuss the following areas for Advanced Bridge Maintenance training:

- New employees participate in a one week Basic Bridge Maintenance training course where attendees spend half the time in a classroom setting and the rest of the time with hands-on training covering all aspects of bridge repair and maintenance.
- Existing employees learn about prestressed girder repair using repair techniques such as cable splicing and carbon fiber wraps. Other topics like zinc anodes and bond joints will also be discussed.
- Determining the right way to gain access using under bridge inspection trucks, lift equipment, swing staging, and rope access to perform maintenance activities.
- Information on how supervisors update the Structures Maintenance website as well as bridge construction reviews.

SESSION 3 STEEL BRIDGE REPAIRS

St. John's Bridge Cable Tensioning

Mike Gehring, ODOT

Our routine annual inspection found suspension cables that were under-tensioned. This presentation will detail the process for adjusting cable tension.

Relocating of the Norton Creek Bridge

Jim Stouder, Benton County (WA) Public Works

Controlling costs is critical in your small bridge program. See how replacing an old 25' wood bridge with a 20' bottomless multiplate culvert led to low long term maintenance cost, widened roadway, better stream crossing and a safer road alignment.

Simpson Avenue Bridge Portal Raising

Corey Hall, WSDOT

In 2011 the portal to the Simpson Avenue Bridge was damaged three times by over-height loads. Rather than continuing to pay for repairs, region maintenance asked the bridge office to design new portals that would raise the vertical clearance from 14'7" up to 16'6" in order to stop the frequent high load hits. The Simpson Avenue Bridge is on the register of historic structures. Because of that we needed approval from our Department of Archeology and Historic Preservation for the changes to the portal. They required some minor changes to the design and for mitigation, a video of the bridge.

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SESSION 4 TIMBER BRIDGE REPAIRS

Wood Cap Replacement Using Steel & Wood

Jason Goetz, WSDOT

Provide details on two wood cap repairs replacing wood with wood and wood with steel. Also present a wood to steel stringer repair. Outline the process from start to finish.

Wood Cap and Pile Replacement

Kent Kalsch, ODOT

Replacement of cap and pile at three bent locations. Instead of replacing with like-kind materials a new method was used. Sixteen-inch steel pile was driven two feet outside existing structure. Forty foot continuous freespan under structure to pile on other side. No support was used under the bridge.

Modern "Old School" Timber Repair

Tim Pimley, ODOT

Unable to utilize heavy equipment, this particular job involved changing out a timber mud sill for a steel one literally by hand. See how job parameters required the use of ingenuity, authorized hand tools through BMPs, and skills with rigging. The crew was very proud of the work done and how we were able to perform it using current safety procedures.

Timber Bridge Preservation

Jay Nickerson, WSDOT

Timber bridges are subject to rot even if they are treated with preservatives. This presentation is intended to provide information on the three types of in place preservatives that can be used to extend the life of timber bridge members when rot is discovered: diffusibles, non-diffusibles, and fumigants.



ALL HANDS ON DECK Maintaining a State of Good Repair

2014 Pacific Northwest BRIDGE MAINTENANCE Conference

SESSION 5 BRIDGE REPAIR AND REPLACEMENT

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Wallace Viaduct Modular Joint Inspection and Replacement Project

Herbert McDowell, Idaho Transportation Department & Jeremy Koonce, Collins Engineers, Inc.

This project consisted of the inspection and repair prioritization of the modular expansion joints on the Wallace Viaduct located in Wallace, ID. The structure was constructed in 1974 and was one of the last sections of freeway to be completed along Interstate 90 that runs between Seattle and Boston. It is comprised of post-tensioned concrete box girder sections with two abutments and 33 bents creating a total structure length of 4,478 feet and raised the interstate over the town of Wallace and a once active railroad line. The main structure is broken up into eight sections with each section individually post-tensioned and an expansion joint between sections. A special inspection of the modular joints and a cursory inspection of all of the bridge bearings and remaining expansion joints were performed in March of 2014. After the inspection a detailed inspection report was prepared that incorporated a simplified risk based approach to prioritize the modular joint replacement and to provide any additional recommendations based on the inspection findings.

County Bridge Replacement Using ABC Techniques

James Carpita, Beaverhead County (MT)

The replacement of the Argenta Road Bridge utilized accelerated construction scheduling and prefabricated bridge elements to replace an existing structure in four days. The road—and the associated bridge—is the only year around access for the residences upstream of the crossing. In addition, the road provides access to 50,000 acres for recreation and hunting.

Beaverhead County utilized funding from the SW Montana Resource Advisory Council, County's Road & Bridge Funds and the Firewise Program.

The replacement structure was designed to span over the existing WPA era steel / concrete bridge to avoid any encroachment into the stream, eliminating the need for constructing retaining walls and the effort needed to obtain permits for in-water work.

Due to the constrained site location, and limit to the time the bridge could be out of service, a prefabricated modular steel bridge option was selected.

Utilizing the principles of Accelerated Bridge Construction Techniques, the project goal of limiting traffic interruption to five days was met at a total cost of 95% of budget.





Thurston County Bailey Bridge Construction

Brian Meier, Thurston County (WA) & Loren Wilson, WSDOT

WSDOT and Thurston County crews constructed a 90 foot triple-single Bailey bridge on Littlerock Road SW across Salmon Creek. The L-4 Bridge on Littlerock Road SW was closed on January 27, 2014 after structural deficiencies were discovered. Engineers found the soil under the center pier of the 1950s vintage bridge had been washed away by scour, making the pier unstable. The center pier had developed a significant crack and the bridge deck was sagging in several places, and engineers determined that the bridge was in danger of collapsing with the weight and stress of continued vehicle traffic. Crews started work on the Bailey bridge on March 18, 2014 and the bridge was open to traffic on March 22, 2014.

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2014 Pacific Northwest BRIDGE MAINTENANCE Conference

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SESSION 6 DECK REPAIRS

King Salmon Temporary Repair

Rod Blohm, Alaska DOT

Three bridge decks on the Alaska Peninsula Highway were failing. There was a project in the works to replace the decks but the condition of the bridges did not allow us to wait for it to come online. There also was a project in the works to temporarily repair the decks which was not going to be implemented in time or in the scope of the existing funds. We were able to work with the bridge section, come up with an alternate plan, and complete the needed repairs in the required timeline and within budget.

Delaminated Deck Overlay Repair

Brent Dodge, WSDOT

Demo, prep and re-pour a large section of a delaminated bridge deck overlay.

Polyester Polymer Concrete

Kent Kalsch, ODOT, Jared Trowbridge, OBEC Consulting Engineers & Dan Uldall, Kwik Bond Polymers

Dan Uldall will discuss origins, purpose and material properties of polyester polymer concrete (PPC). OBEC Consulting Engineer Jared Trowbridge will discuss contract applications. Kent Kalsch will show and discuss maintenance applications Region 4 Bridge Crews have accomplished.

Pothole and Hole Through Deck Repair

Darin Wilkens, WSDOT

Provide detailed information on pothole & hole through deck repairs. Outline repairs from start to finish.

SESSION 7 BRIDGE PRESERVATION

Mission Bridge Rocker Replacement

Dave McGirr, ODOT

The 358' Mission Bridge was built in 1971 and carries approximately 5,000 vehicles a day. It has five 175 pound rockers on each end and over the years the pins that hold the rockers in place had either broken off or deteriorated away. To replace the rockers in-kind it would be a very expensive and time consuming job. So we came up with the idea to remove all five rockers on the south end, replace them with an elastomeric pad, and eliminate the rockers all together. By doing this we were able to reduce the job from four weeks and \$65,000 to two weeks and \$45,000—and the pads will last the life of the bridge with minimal maintenance. The bridge is currently performing very well with this retrofit and we plan on doing the other end in the near future.

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Steel Truss Bridge Washing

Denny Bowden, WSDOT

Provide detailed information on steel truss bridge cleaning operations for the east half of Washington State. Present the trials, tribulations, challenges, and successes for fledgling cleaning program. Outline cleaning operations from start to finish.

CLOSING SESSION REVIEW OF CONFERENCES ATTENDED & 2014 AWARD PRESENTATION

2012 Best Presentation Award | Bridge Preservation Conference Recap

Carl Morgan, Multinomah County (OR)

Scholarship Recipients

State of Good Repair: National Bridge Preservation Partnership (NBPP) Meeting Recap Mark Cleaver, Yakima County (WA) Public Services

State of Good Repair: National Bridge Preservation Partnership (NBPP) Meeting Recap Michael Shepard, Marion County (OR) Public Works

2014 Best Presentation Award & Door Prize Drawing

CONFERENCE ADJOURNS SEE YOU NEXT YEAR



2014 Pacific Northwest BRIDGE MAINTENANCE

Conference

Archie Allen

WSDOT (Northwest Region)

Archie started his career with the Washington State Department of Transportation in 1981. After spending a couple of years working in WSDOT's Materials Testing Lab in Tumwater he relocated to the Seattle area. He has spent time as a Materials Tester in the field, Asphalt Plant Inspector and a Construction Inspector. In 1988 he began work for the Bridge Maintenance Office doing Bridge Maintenance Inspections. He is currently the Bridge Maintenance Superintendent for WSDOT's Northwest Region.

Rod Blohm

Alaska DOT

Rod has worked for the Alaska DOT as an equipment operator and station foreman for 15 years. He as been a member of the bridge crew for the last seven years.

Denny Bowden

WSDOT (South Central Region)

Denny has been with WSDOT for seven years as a Trades Crew, Maintenance Mechanic 3 Region Wide senior, journey level, skilled position performing preventative maintenance, general maintenance and repairs to bridges, movable bridges, structures, facilities and work sites.

Jeff Bowser

Caltrans

Jeff has been with California Department of Transportation for 30 years with 20 years as a Bridge Maintenance Supervisor in District 1 Eureka covering Del Norte, Humboldt, Trinity, Mendocino, Lake and Siskiyou counties with a bridge inventory of 786 bridges. He spent three years as state-wide Bridge Maintenance Trainer. He is a NBI bridge inspector Team Leader, and NBI Steel Inspector Team Leader. In 1992, he received the Governors Safety Award for post earthquake response guide. In 1999, he received the FHW Transportation Award for box girder hinge jacking procedures.

James Carpita, P.E., CFMM

Beaverhead County (MT)

James Carpita was hired by Beaverhead County, Montana, in the latter half of 2009 to fill a newly created position of County Engineer. The position was established to provide in-house engineering services to all the various county departments including the Road & Bridge Maintenance Departments. Since he joined the staff, Beaverhead County has been able to replace 13 vehicle bridges and two major pedestrian/ bicycle bridges—a total length of 670 ft at a cost of just under \$3,000,000. Four of these structures were installed using ABC techniques utilizing County crews at a cost savings to the County in excess of \$700,000. Beaverhead County was recently award a FLAP project by Western Federal Lands Highway Division that will include the replacement of six bridges. The \$4 million project will be administered by the County due in a large part because of Mr. Carpita's "excellent track record for getting projects accomplished in a timely manner". Jim is a registered Professional Engineer in Montana, Idaho, Colorado & Arizona and passed the CFM certification in July of 2012.

Mark Cleaver

Yakima County (WA) Public Services

Mark graduated from Auburn University with a degree in Civil Engineering, and is licensed P.E. in Washington State. His career includes 16 years as a Stress Analysis Engineer in the aircraft manufacturing industry, three years as an Engineer in the semi-conductor tool manufacturing industry, and 15 years as an Engineer in highway industry—the last eight years as Yakima County's Bridge Engineer. Outside of work, Mark enjoys photography, cycling, hiking, and skiing.

Brent Dodge

WSDOT (North Central Region)

Brent has 25 years as commercial and residential carpenter/builder, 12 years with the WSDOT as a Maintenance Mechanic 3 (Bridge Maintenance).





Sandi Doughton

The Seattle Times

Sandi Doughton is an award-winning science writer for The SeattleTimes and the author of Full Rip 9.0: The Next Big Earthquake in the Pacific Northwest. Doughton has been covering Northwest earthquakes for nearly 20 years, first at The News Tribune of Tacoma and for the past decade at The Seattle Times.

Matthew Garret ODOT

Matthew Garrett is the Director of the Oregon Department of Transportation, leading its 4,600 employees and managing its \$4 billion biennial budget.

Before assuming the directorship in December 2005, Matthew served as Local Government Liaison, Chief of Staff, and as the Portland Region manager for ODOT.

Before joining the ODOT staff in 1997, Matthew served on the personal staff of U.S. Senator Mark Hatfield from 1994 to 1997 in both his Washington, D.C. office and as Oregon field representative.

Matthew is a graduate of George Washington University and holds a Bachelor's degree in political science.

Mike Gehring

ODOT

Mike Gehring is the ODOT Region 1 Bridge Maintenance Supervisor. He's been working for ODOT bridge crews since 2003 in various positions, and has been the supervisor since 2008. Mike is currently a member of the Western Bridge Preservation partnership. His interests are running, hunting, fishing and grand kids.

Jason Goetz

WSDOT (South Central Region)

Jason Goetz has been at WSDOT for nine years. He has been a Trades Crew Lead Technician for the last two years, where he leads a region-wide specialized trades crew consisting of six to eight journey level,

skilled positions, performing inspections, general repairs and maintenance to South Central Region bridges, facilities, and work sites.

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Corey Hall

WSDOT (Olympic Region)

Corey started work for WSDOT in April of 2010. He has been developing as a bridge maintenance worker. In the few years that he has been working with the crew he has had experience in all phases of bridge maintenance. The Simpson Avenue Bridge Portal raising was one of the first major projects that Corey worked on.

Kent Kalsch ODOT

Kent Kalsch began his career with ODOT in 1992 in Highway Maintenance. He joined The Dalles Bridge Crew in 1995. He moved to Sign Crew Coordinator in 2009, and returned as Bridge Crew Coordinator in 2010.

Jeremy Koonce, S.E., P.E.

Collins Engineers, Inc.

Jeremy Koonce has over 14 years of engineering experience in design and condition assessment of transportation structures and is currently the structural inspection program manager at Collins Engineers. He has worked with many state and local agencies for the development of technical manuals as well as inventory and asset management programs.

Mr. Koonce holds a BSCE degree from the University of Illinois at Chicago, is a Registered Structural Engineer in Illinois, and Professional Engineer in Illinois and several other states.

Mr. Koonce is a certified instructor for the National Highway Institute and regularly teaches classes for NHI. Currently he is one of the instructors for the NHI course on fracture critical inspection techniques for steel bridges. He also serves on Committee 10, "Structures, Maintenance & Construction" for AREMA.



2014 Pacific Northwest

BRIDGE MAINTENANCE

Conference

Herbert McDowell

Idaho Transportation Department

Herbert McDowell has six years engineering experience in design and construction. He is currently a bridge designer with the Idaho Transportation Department. He holds a BSCE degree from Boise State University and is licensed as a Professional Engineer in Idaho and Utah.

Dave McGirr

ODOT

Dave McGirr was born and raised on a family century ranch in Long Creek, OR. He joined ODOT in June of 1997 on the Pendleton Bridge crew.

Steve McIntyre

WSDOT (Olympic Region)

Steve has been in bridge maintenance since 1991 and has been a bridge supervisor for the last eight years for the Olympic Region bridge crew working on fixed span bridges.

Brian Meier

Thurston County (WA)

Brian Meier is a Civil Engineer in the Design Section of Thurston County Public Works. Brian has over eight years in the construction and design of road and bridges.

Luci Moore

ODOT

Luci graduated from Texas A & M University with a Bachelor's Degree in Engineering Geology followed by a Master's Degree in Civil Engineering from Southern Methodist University. She is a Registered Professional Engineer in Oregon.

Luci began her professional career working for a geotechnical consulting firm and the U.S. Army Corps of Engineers.

Luci began her ODOT career in 1988. During her time with ODOT, Luci has worked in a variety of design and management positions in the Construction Section of the Technical Services through April 2005. Most of this time was spent in Pavement Services Unit in the areas of pavement design and pavement management.

In April 2005, Luci assumed duties as the Maintenance & Operations Engineer providing policy and procedure guidance to ODOT maintenance staff throughout the state as well as managing the Maintenance budget. Also included in the Maintenance & Operations Branch are Fleet Services, Maintenance Training Program, Maintenance Environmental Program and Maintenance Services. Luci is also responsible for the Operations Program which includes the Intelligent Transportation Systems program and the Emergency Operations program for ODOT.

Carl Morgan

Multinomah County (OR)

Carl Morgan started with 10 years bridge experience in the U.S. Army where he worked with Bailey Bridges, Floating Ribbon Bridges, and Medium Girder Bridges. He honorably separated as Sergeant in1994 and came to Multinomah County in 1996, as a Road Maintenance Worker. He was always looking to transfer to the bridge shop which he did in 2000 as a Bridge Maintenance Worker. Morgan was promoted to Bridge Maintenance Mechanic in 2001, and became Bridge Maintenance Supervisor in 2010.

Jay Nickerson

WSDOT (Olympic Region)

Jay started working for the region-wide bridge crew in 2012. He has worked on numerous timber bridge repairs from caps to pile, and will discuss in-place preservative treatments and preventive maintenance on timber bridges.

Tim Pimley

ODOT Salem Bridge Crew

Tim has been with the Salem D-3 crew for almost four years. Tim has a diverse skill set that is vital to the bridge crew and always willing to learn new skills from other crew members. Tim has shown great leadership ability that he received from serving in the U.S Military and serving overseas in Operation Iraqi Freedom (OIF).

Michael Shepard

Marion County (OR) Public Works

Michael Shepard is a Road Operation Supervisor for Marion County Public Works who oversees the Bridge Maintenance and Ferry operations. His program includes 144 bridges, 64 box culverts and two overhead cable guided ferries crossing the Willamette River. He is a native Oregonian and has been with Marion County for the past 10 years. Michael shares a seat with the Western Bridge Preservation Partnership representing local agencies.

Jim Stouder

Benton County (WA) Public Works

Jim Strouder has 22 years experience in public works. He was with the Benton County Bridge program for 15 years, and moved into operations management of the Public Works Road Department in 2013.

Jared Trowbridge, P.E.

OBEC Consulting Engineers

Jared graduated from Oregon State University in 2011 with a MS in Civil Engineering. He began working for OBEC Consulting Engineers, where he is now a Bridge Inspection Team Lead and Bridge Engineer. Jared is experienced with bridge safety inspections as well as bridge construction. He has been the lead inspector on two PPC deck overlay projects. Prior to joining OBEC, Jared spent several summers and winters in ODOT's Bridge Operation Group in Salem while completing his graduate and undergraduate studies.

Dan Uldall

Kwik Bond Polymers

Dan Uldall graduated from San Diego State University in 1986 with a BS in Geology. He is a Registered Professional Geologist in Oregon & Washington. Dan spent several years with consulting firms working in the environmental, water resources, geotechnical and materials testing disciplines in CA, NV, WA, and OR. While in Oregon, he developed and managed DOT materials testing operations for a local consulting firm and began working with polyester polymer concrete overlay materials during that period. He joined Kwik Bond Polymers in 2008 as Northwest Region Manager serving MT, WY, ID, WA, & OR.

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Darin Wilkens

WSDOT (South Central Region)

Darin is a Trades Crew, Maintenance Specialist 5. He has been with WSDOT for 16 years, with seven years as supervisor. He supervises and coordinates the regional trades crew engaged in installation, maintenance, repair, and operation of regional bridges/structures and facility repairs and remodels.

Loren Wilson

WSDOT Bridge Preservation Office

Loren Wilson is a licensed Professional Engineer in Washington. He graduated from Washington State University with a B.S in Civil Engineering in 2007. After graduation Loren joined WSDOT Bridge Preservation Office as a co-inspector in the special structures unit working on Ferry Terminals, Moveable Bridges and Tunnels. Since joining WSDOT Loren has become are part time member of the WSDOT Dive Team, helped form and is now leading the Radio Tower inspection team, and is one of two engineers currently involved working with the WSDOT's Bailey bridges.



2014 Pacific Northwest BRIDGE MAINTENANCE Conference

Evaluating the Conference

THE 2014 CONFERENCE IS INTENDED TO...

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	Provide a forum to share cradle-to-grave bridge maintenance information, innovations, ideas, and best practices.
	Provide a means for bridge maintenance personnel to obtain training in—and a better understanding of—bridge maintenance and repair techniques.
	Foster the development of leadership skills.
	Promote technology transfer within the bridge maintenance community.
	Provide a forum for networking.
	Promote "Fix It First" Strategies.
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2014 Pacific Northwest BRIDGE MAINTENANCE

Conference

Τl	JESDAY				OCTOBER 1			
		EXCELLENT	ABOVE AVERAGE	AVERAGE	BELOW AVERAGE	POOR	DID NOT ATTEND	
1.	Please rate the following conference adminis	tration ele	ements.					
	Registration Process							
	Handout Materials							
	Meeting Facilities & Customer Service							
	Breaks & Meals							
2.	Please rate the following Keynote Speaker(s).	•						
	Keynote Session: A Day in the Life of a Bridge Maintenance Supervisor Mike Gehring, ODOT & Steve McIntyre, WSDOT							
3.	Please rate the following Plenary Session Spe	eakers/Pre	sentatio	ns.				
	Full Rip 9.0 Sandi Doughton, Seattle Times							
	Preparing Oregon for Cascadia Subduction Zone Earthquakes <i>Luci Moore, ODOT</i>							
4.	Please rate the following Session 1 Speakers/	'Presentat	ions.					
	Peer Exchange Group Discussion							
5.	5. Would you nominate one of these sessions for the 2014 Best Presentation Award?							
6.	What is one goal you have for the conference	?						
7.	What is the primary reason you are attending	the confe	erence?					

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2014 Pacific Northwest BRIDGE MAINTENANCE

Conference

WEDNESDAY

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		EXCELLENT	ABOVE AVERAGE	AVERAGE	BELOW AVERAGE	POOR	DID NOT ATTEND	
1.	Please rate the following Session 2 Speakers/	Presentat	ions.					
	Reports from Peer Exchange Groups							
	Post-Earthquake Level 1 Response Archie Allen, WSDOT							
	Advance Bridge Crew Training: Repairing Prestressed Girders with Cable Splices & Carbon Wraps Jeff Bowser, Caltrans							
2.	Please rate the following Session 3 Speakers/	Presentat	ions.					
	St. John's Bridge Cable Tensioning Mike Gehring, ODOT							
	Relocating the Norton Creek Bridge Jlm Stouder, Benton Co. (WA) Public Works							
	Simpson Avenue Bridge Portal Raising Corey Hall, WSDOT							
3.	Please rate the following Session 4 Speakers/	Presentat	ions.					
	Wood Cap Replacement Using Steel & Wood David O'Longaigh, Portland DOT							
	Wood Cap and Pile Replacement Kent Kalsch, ODOT							
	Modern "Old School" Timber Repair Tim Pimley, ODOT							
	Timber Bridge Preservation Jay Nickerson, WSDOT							
4.	Please rate the following Session 5 Speakers/	Presentat	ions.					
	Wallace Viaduct Modular Joint Inspection and Replacement Project Herb McDowell , IDT & Jeremy Koonce, Collins Engineers							
	County Bridge Replacement Using ABC Techniques James Carpita, Beaverhead Co. (MT)							
	Thurston County Bailey Bridge Construction Brian Meier, Thurston Co. (WA) & Loren Wilson, WSDOT							
5	Would you nominate one of these sessions for	r the 201	1 Rost Pr	ocontatio	n Award	7		

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2014 Pacific Northwest BRIDGE MAINTENANCE

Conference

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		EXCELLENT	ABOVE AVERAGE	AVERAGE	BELOW AVERAGE	POOR	DID NOT ATTEND			
1.	. Please rate the following Session 6 Speakers/Presentations.									
	King Salmon Temporary Repair Rod Blohm, Alaska DOT									
	Delaminated Deck Overlay Repair Brent Dodge, WSDOT									
	Polyester Polymer Concrete Kent Kalsch, ODOT & Jared Trowbridge, OBEC & DanUldall, Kwik Bond Polymers									
	Pothole and Hole Through Deck Repair Darin Wilkens, WSDOT									
2.	Please rate the following Session 7 Speakers/Presentations.									
	Mission Bridge Rocker Replacement Dave McGirr, ODOT									
	Steel Truss Bridge Washing Denny Bowden, WSDOT									
3.	Would you nominate one of these sessions fo	r the 201	4 Best Pr	esentatio	n Award	?				

4. Did the 2014 Pacific Northwest Bridge Maintenance Conference meet and/or exceed the goals of:

- Provide a forum to share cradle-to-grave bridge maintenance information, innovations, ideas, and best practices.
- Provide a means for bridge maintenance personnel to obtain training in—and a better understanding of—bridge maintenance and repair techniques.
- Foster the development of leadership skills.
- Promote technology transfer within the bridge maintenance community.
- Provide a forum for networking.
- Promote "Fix It First" Strategies.

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5. What was your greatest gain from this conference?	
6. What could be done to improve the conference for 2016?	
7. Do you have a suggestion for a theme for the 2016 conference?	
8. Are there any issues that you would like to see addressed and/or solved at the 2016 conf	erence?
	! ! !
9. Where should we hold the 2016 conference? (City, State)	
	! !
10. Are you interested in providing a presentation at the 2016 conference? If yes, please proyour name, organization, phone, and email address.	vide
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11. Given the current economic climate, would you attend the 2016 conference?	
☐ Yes, definitely ☐ Yes, if budgets allow ☐ No ☐ Other (please explain)	

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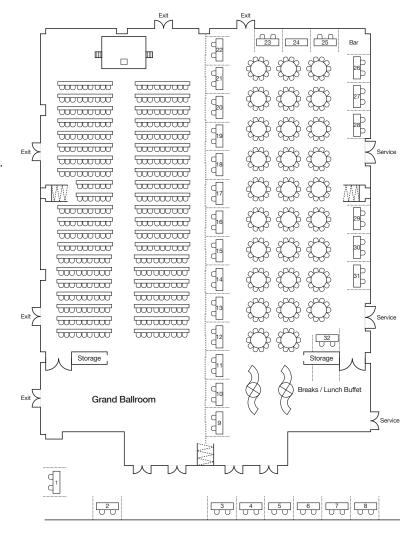
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- 2 Slatercom
- 3 Five Star Products, Inc.
- 4 Jafco Trenchless, Inc.
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- 6 Transpo Industries, Inc.
- 7 Coral Sales Company
- 8 Euclid Chemical Company
- 9 Four Winds Group, Inc.
- 10 Williams Form Engineering Corp
- 11 B & B Roadway
- 12 EMSEAL Joint Systems
- 13 American Concrete Company
- 14 SPX Hydraulic Technologies
- 15 Dow/POLY-CARB & Alta Traffic Paint/Jonnic Construction
- 16 Willamette Valley Company
- 17 Nuna Innovations USA, Inc.
- 18 Bridge Access Specialties
- 19 Utelite Structural Lightweight Aggregates
- 20 Bridge Masters, Inc.
- 21 Anderson Hydra Platforms
- 22 Kamatics/RWG
- 23 Dayton Superior



- 25 Safway Services, LLC
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- 31 Galvanizers Company
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