



PNW BRIDGE INSPECTORS CONFERENCE

2013
APR. 23 – 25

TUESDAY APR. 23

11:00 AM REGISTRATION

Plaza Foyer

1:00 PM SESSION 1: WELCOME, KEYNOTE, FEATURED, AND DISTINGUISHED PRESENTATIONS

Pavilion Ballroom

Moderator: *Barry Brecto, FHWA HQ*

Opening Remarks & Welcome

Barry Brecto, FHWA HQ and Bruce Johnson, ODOT

National Bridge Inspection Program: Commendable Practices

Keynote Speaker: *Larry O'Donnell, FHWA Chicago Resource Center*

FHWA Status Report

Tom Everett, FHWA HQ

Risk Based Inspection Frequencies

Glenn Washer, University of Missouri

3:10 PM BREAK

Plaza Foyer

3:30 PM SESSION 2: NATIONAL INSPECTION TOPICS

Pavilion Ballroom

Moderator: *Mike Premo, Nevada DOT*

Technical Committee 18 Bridge Management Evaluation and Rehabilitation
Matt Farrar, Idaho DOT

Summary of Critical Findings Reviews for the National Bridge Inspection Program

Brian Leshko, HDR Engineering

Non-Destructive Testing to Identify Concrete Bridge Deck Deterioration

Nenad Gucunski, Rutgers University

5:00 PM ICE BREAKER RECEPTION

Alexander's @ top of the Hilton

WEDNESDAY APR. 24

7:00 AM BREAKFAST AND EXHIBITOR DISPLAY

Plaza Foyer

8:00 AM SESSION 3: NON-DESTRUCTIVE TESTING AND EVALUATION

Pavilion Ballroom

Moderator: *Matt Farrar, Idaho DOT*

Using Thermography for Inspection

Glenn Washer, University of Missouri

Practical Applications and Experiences with FLIR

Steven Lovejoy, ODOT

Nondestructive Evaluation Methods for Structures

Dan Stromberg and Matthew Donahue, Collins Engineers, Inc.

Bridge Assessment Methods Using Image Processing and Infrared Thermography Technology

Masato Matsumoto, NEXCO-West USA, Inc.

MAXIMIZING YOUR BRIDGE INSPECTION PROGRAM

10:00 AM BREAK

Plaza Foyer

Emerging Technology in Field Data Collection and Management

Brendan Prendeville and Nathan Cottrill, Burgess & Niple

10:30 AM SESSION 4: UNDERWATER AND SCOUR

Pavilion Ballroom

iPad Mobile Inspection App

Kuan Go, HNTB Corp.

Moderator: *Holly Winston, ODOT*

Underwater Inspection Using ROV

Michael Smith and Loren Wilson, WSDOT

Case Studies of Bridge Scour Inspection

Edward Foltyn, ODOT

Investigation of Unknown Bridge Foundations in Oregon

Jan Six, ODOT

12:00 PM LUNCH (PROVIDED)

Grand Ballroom (Basement Level)

7:00 AM BREAKFAST AND EXHIBITOR DISPLAY

Plaza Foyer

8:00 AM SESSION 7: CONCRETE INSPECTION

Pavilion Ballroom

Moderator: *Debbie Lehmann, FHWA Washington Division*

Unexpected and Difficult-to-Observe Failure of Reinforced Concrete Bridges
Terrence Paret, Wiss, Janney, Elstner Assoc.

Precast Concrete Girder Fire Damage Inspection with Schmidt Hammer
Amanda Blankenship, David Evans and Associates

Eldridge Avenue Pipeline Crossing: Lessons Learned
Kash Nikzad, Trantech Engineering LLC

Inventory Inspection and Load Rating of a Complex Segmental Concrete Bridge
Matthew Lengyel, David Evans and Associates

1:00 PM SESSION 5: INSPECTION CHALLENGES

Pavilion Ballroom

Moderator: *Tim Rogers, FHWA Oregon Division*

How Do You Inspect Something You Can't See? Destructive Testing and PT Ducts in Oregon
Marie Kennedy, ODOT

Ultrasonic Inspection of Steel Pins Protected with Cover Plates
Roman Peralta, WSDOT

In-Depth Inspection of the Historic Wheeling Suspension Bridge
Terry Ummer, HDR Engineering

Methods Used to Obtain Measurements of a Large Truss Bridge with No Plans
Jon Rooper, ODOT

10:00 AM BREAK

Plaza Foyer

10:30 AM SESSION 8: TUNNEL INSPECTIONS

Pavilion Ballroom

Moderator: *Roman Peralta, WSDOT*

Inspection of the Robertson Tunnel
Matthew Miller, Parsons Brinckerhoff

ODOT Tunnel Management and Rehabilitation Program
Jamie Schick, Jacobs & Associates

Closing Remarks: Door Prizes and Best Presentation Award
Jeff Swanstrom, ODOT and Tim Rogers, FHWA Oregon Division

3:00 PM BREAK

Plaza Foyer

3:30 PM SESSION 6: DATA MANAGEMENT

Pavilion Ballroom

Moderator: *Glen Scroggins, WSDOT*

WSDOT Bridge Inspection Integrated Information System
Steven Kollmansberger, WSDOT