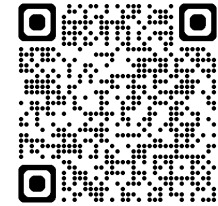


2025 ODOT Bridge & GEEGH Design Training

Tuesday, May 6th

Click on highlighted presentations to view corresponding slidedecks



Session 1 | The Foundation of Progress

Moderator: Ray Bottenberg & Susan Ortiz

Location: Iris A & B

7:30AM Networking and Light Breakfast

8:00 AM Welcome and Q&A
Ray Bottenberg & Susan Ortiz, ODOT

8:10 AM Seismic Ground Improvement Design Considerations, Myths, Misunderstandings, (and Hopefully Useful Clarifications)
Scott Schlechter, GRI & Tom Grummon, ODOT

9:10 AM ODOT Seismic Update
Albert Nako, ODOT

9:40-10:10 AM – Break

Session 2 | Seismic Design

Moderator: Tom Grummon, ODOT State Foundation Engineer

Location: Iris A & B

10:10 AM Renting Acrow Bridges for Accelerated Bridge Construction
Tom Pinder, Acrow Bridge

10:30 AM A Fully Precast Solution for ABC in Seismic Regions
Mustafa Mashal, Idaho State University

11:00 AM US97 Seismic Retrofit of Seven Bridges in Klamath Falls
Jeff Olson, Consor Engineers & Paul Strauser, ODOT

11:30 AM Seismic Design and Retrofit of Three Bridges: Seismic Vulnerabilities, Challenges, and Solutions
Saeed Javidi, Niroman

12:00 - 1:00 PM – Lunch Provided



Session 3A | Bridge Rehab & Maintenance

Moderator: Emily Clyburn, ODOT

Location: Iris A & B

- 1:00 PM** ODOT BDM & Bridge Rail Update
Emily Clyburn, ODOT
- 1:15 PM** Load Rating: Manual Update & Changes from New NBIS Rules
Jon Rooper, ODOT
- 1:40 PM** Fast-track Hydrodemolition: Rapid Rehabilitation of Concrete Bridge Decks
Dave Dobson, ODOT & Matthew Stucker, ODOT
- 2:10 PM** Survival Guide for Bridge Preservation Projects
Fred Gomez, ODOT
- 2:40 PM** Hood River BR Emergency Response & Repair from Over Height Vehicle Collision Damage
Eric Rau, HDR

Session 4A | Concrete Bridges

Moderator: Tanarat Potisuk, ODOT

Location: Iris A & B

- 3:30 PM** ODOT Concrete Bridges Update
Tanarat Potisuk, ODOT
- 3:50 PM** North Spokane Corridor Prestress Spliced Girder Fabrication
Dan Serra, Knife River & Jordan Pelphrey, Pelphrey PS
- 4:30 PM** Design of the 3rd St Flyover Bridge in Bend
Henry Wolf, Kiewit & Thanh Phan, Kiewit

Session 3B | Accretion

Moderator: Stephen Hay, ODOT R1

Location: Iris C

- 1:00 PM** State of ODOT GEEGH and Centralization
Susan Ortiz, ODOT
- 1:30 PM** Cyclic testing of soils: what it can mean for your project.
Tom Braibish, ODOT and Jason Bock, GRI
- 2:00 PM** 2023 Sandlake Road Landslide: Geotechnical Evaluation and Emergency Repair
Micah Hintz, Haley & Aldrich
- 2:30 PM** Programmatic Landslide Mitigation at Hagg Lake Perimeter Rd
Chris Carpenter, Cornforth Consultants Inc.

3:00-3:30 PM – Break

Session 4B | Mélange

Moderator: Teresa Nowiki, ODOT R1

Location: Iris C

- 3:30 PM** A roadmap to commercial-scale carbon capture, utilization, and storage in Oregon
Ruarri Day-Stirrat, DOGAMI
- 4:00 PM** Quarry Resources: Tempering Short Term Impulse with Long Term Vision
Michelle Wright, ODOT
- 4:30 PM** ODOT Statewide Beneficial Use Determination for Highway Shoulder Soil – 2025 Renewal and Expansion
Kirsten White, GeoEngineers and Shawn Rapp, ODOT

End of Day – 5:00 PM



Wednesday, May 7th

Session 5A | Steel Structures

7:30 AM Light Breakfast and Networking

Moderator: Alex Lim, ODOT

Location: Iris A & B

8:00 AM ODOT Steel Bridges Update
Alex Lim, ODOT

8:20 AM Basalt Creek Lean-on Bracing Design
Barney Frankl, DOWL

8:50 AM Fatigue Evaluation of Bolted Connections
Steve Lovejoy, ODOT

9:20 AM SR305 Sam Snyder Creek Fish Barrier Removal
Shane Brown, Parametrix

Session 6A | Rare & Interesting Structures

Moderator: Zach Beget, ODOT State Bridge Design Engineer

Location: Iris A & B

10:30 AM Other Structures
Zach Beget, ODOT

10:45 AM OR47: Messing Creek (Mist) Structural Plate Arch
Josh Beattie, ODOT
Alex Keenan, Contech Engineered Solutions

11:15 AM Seattle Waterfront
Gary Conner, Jacobs

Session 5B | Schist

Moderator: Romain Bauer, ODOT GEEGH

Location: Iris C

8:00 AM Infrastructure Upgrades & Ecological Uplift:
Environmental & Engineering Geology of the Kellogg
Creek Restoration & Community Enhancement Project
Gregory Martin, GRI

8:30 AM HazMat Cleanup at Remote Geotechnical Drill Site
Michelle Peterson, ODOT

9:00 AM Regional Rockfall Mitigation Strategy: Where the
Rocks Land in ODOT Region 1
Michael Zimmerman, ODOT

9:30 AM Goodbye gINT. The fun is over, BoreDM will ensue
Curran Mohnery, ODOT

10:00-10:30 AM – Break

Session 6B | Mass Wasting

Moderator: Palo Giscombe, ODOT R1

Location: Iris C

10:30 AM Cornell Road Tunnel Rehab.–Design & Construction
Bryan Duevel, Delve Underground & Ryan Roe, PBOT

11:00 AM Design and Specification Considerations for
Transportation Trenchless Crossings
Jamie Schick, Delve Underground

11:30 AM Engineering Properties and Liquefaction Potential of
Diatomaceous Earth
Jintai Wang, Oregon IT

Session 7A | ABC/ Alternative Delivery

Moderator: Albert Nako, ODOT Seismic Bridge Standards Engineer
Location: Iris A

- 1:00 PM I-5 over 26th Ave Bridge - Value Through Creativity
Joel Tubbs, DEA
Travis Kinney, DEA
- 1:30 PM OR217 – Construction of a Major Urban Corridor Widening
Eric Paslack, Shannon & Wilson Inc
- 2:00 PM Denali National Park's Pretty Rocks Bridge Gary Conner & Devin Altman, Jacobs
co-authors: Scott Anderson & Brian Collins, BGC Engineering

Session 7B | Tectonic Shift

Moderator: Micah Lederer, ODOT R4
Location: Iris B

- 1:00 PM Emergency Response & Landslide Mitigation at OR-138 West, Mile Post 4.8
Tomsen Reed, ODOT
- 1:30 PM Emergency Landslide Assessment & Mitigation, SH-64, Kamiah, ID
James Struthers, Delve Underground
- 2:00 PM Utilizing UAS LiDAR for Rockfall Detection
Audrey McHugh-Britton, ODOT and Casey Varnum, ODOT



2:40-3:00 PM - Break

Session 8 | Stability and Connection: The Core of Infrastructure

Moderator: Susan Ortiz, ODOT State Geotechnical Engineer
Location: Iris A & B

- 3:00 PM I-84 WB over the Union Pacific Railroad Bridge (Hood River) Replacement – Design Challenges and Insights
Palo Giscombe, Jeff Jones, Aleya Link and Michael Bunn, ODOT
- 3:30 PM Recent Findings and Recommendations for Side Resistance of Permanently Cased Drilled Shafts
James Walters, Shannon & Wilson Inc.
Rory "Tony" Robinson, ODOT
- 4:00 PM Use of Geosynthetic Reinforced Soil – Integrated Bridge System (GRS-IBS) in Oregon
Brett Karnes, DEA and Carly Diehl, DEA
- 4:30 PM Motivation for and Results of a Sacrificial Load Test on a Pacific Northwest Intermediate Geomaterial
Sam Sideras, Shannon & Wilson and Eric Rau, HDR

End of Training - 5:00 PM

Where do I find my PDH certification?



This training is worth 14 PDHs.

Print a completion certificate by logging into Workday. It is the responsibility of the attendees to track their professional development hours through OSBEELS.

