



2016 Northwest Transportation Conference

"Transportation Tools You Can Use on the Job"

Tuesday, March 15, 10:00am-12:00pm

Opening Plenary Session: Welcome and Introductions

Welcome:

Jason Weiss, OSU: [*Welcome by Jason Weiss*](#)

Phil Ditzler, FHWA

Travis Brouwer, ODOT

Keynote:

Kristine Hernandez, Toward Zero Deaths Coordinator at Minnesota DOT

[*Toward Zero Deaths*](#)

Tuesday, March 15, 1:30pm-3:00pm

Panel Discussion: Government to Government Communications and Tribal Consultation

Moderator: Trevor Sleeman, ODOT

- a) Kyle Kitchel, Tribal Transportation Program, WFL FHWA
- b) Greg Azure, Director of Employment Rights, Confederated Tribes of Grand Ronde
- c) Karen Quigley, Executive Director, Oregon Legislative Committee on Indian Services

Tuesday, March 15, 3:30pm-5:00pm

1A. Transportation Information

Moderator: Tony Knudson, ODOT

- a) Laura Wilt, ODOT
[*Hidden Treasures: Finding the Transportation Information You Need*](#)
- b) Denise Whitney Dahlke, ODOT
[*What is Your Data Doing for You? - Tools to Increase and Communicate the Value of Your Data*](#)
- c) Sal Hernandez, OSU
[*A Comprehensive Safety Data Warehousing System for the Safety Engineering*](#)

1B. Effective Plans and Benefit Cost

Moderator: Mark Joerger, ODOT

- a) Jennifer Danziger, Mackenzie, and Alexandra Coates, ODOT
[*Creating User-Friendly Transportation Plans*](#)
- b) Jennifer Danziger, Mackenzie
[*Benefit-Cost Calculator for Active Transportation Projects*](#)
- c) Maureen Bock, ODOT

[OReGO - Oregon's New Mileage-Based Fee](#)

1C. Roundabouts

Moderator: Kevin J. Haas ODOT

- a) Kevin J. Haas, ODOT, and Rich Crossler-Laird, ODOT
[Roundabouts: A Better Alternative than Traffic Signals for Improving Intersection Safety](#)
- b) Scott Beard, Kittelson & Associates, and Joel McCarroll, ODOT
[Roundabout Rodeo as Design and Community Engagement Tool](#)
- c) Joseph Meek, ODOT
[Intersection Study for Safety and the Roundabout Option](#)

Wednesday, March 16, 8:30am-10am

2A. Innovations in ROW Design

Moderator: David S. Hurwitz, OSU

- a) Del Huntington, Huntington Traffic Solutions
[Access Management](#)
- b) David S. Hurwitz, OSU
[Toward Effective Design Treatments for Right-Hook Crashes at Intersections with Bicycle Traffic](#)
- c) Shelly Alexander, David Evans & Associates, and Melissa Norman, Washington County
[Enhanced Multi-Modal Connectivity: Midblock Crossing Case Studies and Lessons Learned](#)

2B. [LED Street Lights and Controls](#)

Moderator: Fritz Feiten, Ameresco, Inc.

- a) Fritz Feiten, Ameresco, Inc.
WSDOT Roadway Lighting Reform Program
WSDOT Statewide Facility Energy Efficiency Program
MassDOT Solar PV Energy Program

2C. Real-World Results: Operations Project Evaluations

Moderator: Galen McGill, ODOT

- a) Shaun Quayle, Kittelson & Associates, and Galen McGill, ODOT
[Evaluating Oregon DOT's Innovative ITS Projects](#)
- b) Dennis Mitchell, ODOT
[OR 217 Active Traffic Management Evaluation](#)
- c) Jamie Mackey, Utah DOT
[Large-Scale Signal Control for Events, Incidents, Construction, and Weather](#)

Wednesday, March 16, 10:30am-12:00pm

3A. Signs, Signals, and Site Distance

Moderator: Jon Lazarus, ODOT

- a) Armin W. Stuedlein, OSU

[Full Scale Response and Numerical Simulation of Traffic Sign and Signal Foundations Subjected to Torsional \(Wind\) Loading](#)

- b) Alireza Kashani, OSU, Michael Olsen, OSU, Kamilah Buker, OSU, and David Hurwitz, OSU
[3D Virtual Sight Distance Analysis Using Mobile Lidar Data](#)
- c) Pat Marnell, KAI, Shaun Quayle, KAI, Masoud Abadi, OSU, David Hurwitz, OSU
[Hardware-in-the-Loop Simulation for Optimal Implementation of Red Light Extension](#)

3B. Integrated Decision Making: Data and Tools of Performance Based Planning

Moderator: Becky Knudson, ODOT

- a) Brook Jordan, ODOT
[ODOT Policy Plan and Strategy Consolidation and Alignment](#)
- b) John A. Charles, Jr., Cascade Policy Institute
[How College Students Travel versus How They Say They Travel: A Case Study of PCC-Sylvania](#)
- c) Brian Hurley, ODOT
[Statewide Transportation Strategy for Reducing GHG: Implementing 2009/2010 Legislation](#)
- d) Ali Bonakdar, Corvallis Area MPO
[Greenhouse Gas Emissions Reduction Analysis Case Study](#)

3C. Arterial Operations - Tools that Improve Safety, Mobility, and Operations Efficiency

Moderator: Jim Peters, DKS Associates

- a) Shaun Quayle, Kittelson & Associates
["Safety-Rich" Traffic Signal ITS](#)
- b) Julie Kentosh, ODOT
[Local Adaptive Signal Timing on US 101 in Lincoln City, OR](#)
- c) Jamie Mackey, Utah DOT
[Monitoring Arterial Performance using Signal Performance Measures](#)

Wednesday, March 16, 12:30pm-1:30pm

Luncheon: Bill Kolzow , Oregon Technology Transfer Center

[What's Wrong with These Photos?](#)

Wednesday, March 16, 1:30pm-3:00pm

4A. Safety – Simulation and Design

Moderator: Ben Chaney, DKS Associates

- a) Kevin Johns and Miranda Wells, HDR
[Freeway Safety Analysis using Simulation](#)
- b) Zahidul Siddique, ODOT
[Use of Highway Safety Manual for Selecting All Roads Transportation Safety \(ARTS\) Program Bicycle/Pedestrian Projects](#)
- c) Ben Chaney, DKS Associates, and Christina McDaniel-Wilson, ODOT
[Implementation of the Highway Safety Manual \(HSM\) in Quantitative Planning Level Safety Analysis in Oregon](#)

4B. Systemic Safety and Disaster Simulation

Moderator: Haizhong Wang, OSU

- a) Haizhong Wang, OSU
[*Post-Earthquake Life Safety and Mobility: A Case Study of Seaside and Portland*](#)
- b) Doug Bish, ODOT
[*Systemic Approach to Safety in Oregon*](#)

4C. Panel Discussion - Evolution of Mobility: What Tools Can Help Us Navigate Our New Reality?

Moderator: Adrian Pearmine, DKS Associates

- a) Jerri Bohard, ODOT
- b) Leah Treat, PBOT Director
- c) Lauren Isaac, Manager of Sustainable Transportation

Wednesday, March 16, 3:30pm-5:00pm

5A. Bike Data and Analysis

Moderator: Miguel Figliozzi, PSU

- a) Miguel Figliozzi, PSU
[*ORcycle: Crowd-Sourcing Bicycle Data Utilizing a Smartphone Application*](#)
- b) Haizhong Wang, OSU
[*An Integrated Analysis of Bicycle Ridership, Bicycle Level of Traffic Stress \(BLTS\), and Bicycle Crashes for Safety and Planning Applications*](#)
- c) Krista Nordback, PSU
[*Bicycle Counts Using Pneumatic Tubes*](#)

5B. Transit

Moderator: Katharine Hunter-Zaworski, OSU

- a) Katharine Hunter-Zaworski, OSU
[*Wheelchair and Seating Orientation on Transit Buses*](#)
- b) Farah Naz, ODOT
[*Transit Connection Opportunities*](#)
- c) Katharine Hunter-Zaworski, OSU
[*The Last 20 Miles: Regional Passenger Rail Connections and Emerging Public Transportation Modes Concept*](#)

5C. Putting Traffic Incident Management to Work: Enhancing the Safety and Efficiency of Oregon's Transportation System

Moderator: Nathaniel Price, FHWA

- a) Darin Weaver, ODOT
[*Laying the Groundwork – The Evolution of TIM Planning in Oregon*](#)
- b) Lt. Jeff Lewis, OSP

[Moving TIM from Talk to Action](#)

c) Jeremiah Griffin, ODOT

[Analyzing the Impacts of TIM Practices in the Field](#)

d) Darin Weaver, ODOT

[Bringing TIM Home – Practical Ways for You to Engage in Oregon’s TIM Program](#)

Thursday, March 17, 8:30am-10:00am

6A. Travel Forecast Tools: Opening the Black Boxes and Resolving Myths

Moderator: Tara Weidner, ODOT

a) Becky Knudson, ODOT

[It’s Still the Economy, Stupid! Representing Economic Behavior in Tools Used for Transportation Analysis](#)

b) Cody Meyer, DLCD

[Oregon Place Types: Land Use Classification Language](#)

c) Rich Arnold, ODOT

[Are We There Yet? Travel Modeling and Forecasts](#)

6B. Work Zone Integrity Class

Instructor: Bill Kolzow, ODOT

Thursday, March 17, 10:30am-12:00am

7A. Aligning Street Standards & Transport Metrics with Health & Livability Goals

Moderator: Evan Manvel, Oregon Transportation and Growth Management Program

a) Karla Kingsley, Kittleson & Associates

[Step-by-Step, Flexible, Transparent Way to Prioritize Pedestrian and Bicycle Improvements on Existing Roads](#)

b) Jessica Horning, ODOT

[ODOT Region 1 Active Transportation Needs Inventory Project](#)

c) Peter Koonce, Portland Bureau of Transportation

[Urban Street Design Guide](#)

7B. [Dealing with Angry People Training Session](#)

Instructor: Ray Johnson, City of The Dalles