**2016 Northwest Transportation Conference**

"Transportation Tools You Can Use on the Job"

**TUESDAY, March 15, 2016**  
Registration, CH2M-HILL Alumni Center, 9:00 am

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<td>10:00 to 12:00</td>
<td><strong>Opening Plenary Session: Welcome and Introductions</strong>-CH2M-HILL Alumni Center Ballroom</td>
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<td><strong>Welcome:</strong> Jason Weiss OSU; Phil Ditzler, FHWA; Travis Brouwer, ODOT</td>
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<td><strong>Keynote:</strong> Kristine Hernandez Toward Zero Deaths Coordinator at Minnesota DOT</td>
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<td>1:30 to 3:00</td>
<td><strong>Panel Discussion: Government to Government Communications and Tribal Consultation</strong></td>
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<td>Kyle Kitchel, Tribal Transportation Program, WFL FHWA</td>
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<td>Greg Azure, Director of Employment Rights, Confederated Tribes of Grand Ronde</td>
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<td>Karen Quigley, Executive Director, Oregon Legislative Committee on Indian Services</td>
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<td><strong>Moderator:</strong> Trevor Sleeman, ODOT</td>
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| 3:30 to 5:00      | **Room A**  
|                   | 1A. Transportation Information                                               |
|                   | **Room B**  
|                   | 1B. Active Transportation Measures and Benefit Cost                           |
|                   | **Room C**  
|                   | 1C. Roundabouts                                                             |

**WEDNESDAY, March 16, 2016**  
Registration, CH2M-HILL Alumni Center, 8:00 am

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| 8:30 to 10:00       | **Room A**  
|                     | 2A. Innovations in ROW Design                                               |
|                     | **Room B**  
|                     | 2B. LED Street Lights and Controls New Session                             |
|                     | **Room C**  
|                     | 2C. Real-World Results: Operations Project Evaluations                      |
| 10:30 to 12:00      | **Room A**  
|                     | 3A. Signs, Signals, and Site Distance                                      |
|                     | **Room B**  
|                     | 3B Integrated Decision Making: Data and Tools of Performance Based Planning |
|                     | **Room C**  
|                     | 3C. Arterial Operations - Tools That Improve Safety, Mobility, and Efficiency|
| 1:30 to 3:00        | **Room A**  
|                     | 4A. Highway Safety – Simulation and Design                                  |
|                     | **Room B**  
|                     | 4B. Systemic Safety and Disaster Simulation                                |
|                     | **Room C**  
| 3:30 to 5:00        | **Room A**  
|                     | 5A. Bike Data and Analysis                                                  |
|                     | **Room B**  
|                     | 5B. Transit                                                                |
|                     | **Room C**  
|                     | 5C. Traffic Incident Management Enhancing Safety and Efficiency             |

**THURSDAY, March 17, 2016**  
Registration, CH2M-HILL Alumni Center, 8:00 am

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| 8:30 to 10:00       | **Room A**  
|                     | 6A. Travel Forecast Tools: Black Boxes and Myths                            |
|                     | **Room B**  
|                     | 6B. Work Zone Integrity Class                                               |
|                     | **Room C**  
|                     | **Break, 10:00 – 10:30**                                                   |
| 10:30 to 12:00      | **Room A**  
|                     | 7A. Aligning Street Standards & Transport Metrics With Health & Livability Goals |
|                     | **Room B**  
|                     | 7B. Dealing with Angry People Class                                         |
Detailed Breakout Session Information

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
  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 Beaird, 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 
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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 Bower, 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  
   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 Kenochi, 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, 1:30pm-3:00pm 
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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

   Moderator: Adrian Pearmine, DKS Associates
   a) Jerri Bohard, ODOT
   b) Leah Treat, PBOT Director
   c) Lauren Isaac, Manager of Sustainable Transportation
      Moderated Panel Discussion

Wednesday, March 16, 3:30pm-5:00pm                 Click Here to Return to the Schedule in Chart Form

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
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

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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