



2010 NW Transportation Conference

The Future of Transportation is Here

TUESDAY, February 9, 2010 Registration, CH2M-HILL Alumni Center, 9:00 am

10:00 to 12:00	Vendor Fair - Exhibits Open	Opening Plenary Session Welcome and Introductions-CH2M-HILL Alumni Center Ballroom <ul style="list-style-type: none"> • Gail Achterman, <i>Chair, Oregon Transportation Commission</i> • James M. Lundy, <i>Executive Associate Dean of Engineering, Oregon State University</i> Keynote Speaker Glen Hiemstra - "Reflections on Transportation Futures - Yesterday, Today, and Tomorrow".			
		Luncheon, 12:00-1:30pm Lunch Speaker, TBA			
1:30 to 3:00		Room A	Room B	Room C	Room D
		1A. Infrastructure and Energy	1B. Freight Movement within Urban Areas	1C. Public Transit Operations	1D. Innovations in Planning
	Break, 3:00 - 3:30				
3:30 to 5:00	2A. Green Highways	2B. Multimodal Safety and Mobility	2C. Tolling	2D. Context Sensitive Design	

WEDNESDAY, February 10, 2010 Registration, CH2M-HILL Alumni Center, 9:00 am

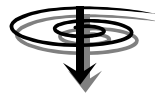
8:30 to 10:00	Vendor Fair - Exhibits Open	Room A	Room B	Room C	
		3A. Integrating Planning and Operations	3B. Structures	3C. Climate Change	
		Break, 10:00 - 10:30			
10:30 to 12:00		4A. Innovations for Measuring Arterial Performance	4B. Continuing and Emerging Issues for Managing Low Volume Roads	4C. Traffic Calming	
		Luncheon, 12:00-1:30pm Scott Belcher, President and CEO of ITS America			
1:30 to 3:00		5A. Improving Multi-Agency Operations and Communication	5B. Roadway Safety	5C. Active Transportation	
	Break, 3:00 - 3:30				
3:30 to 5:00	6A. Innovative Operations: Looking Ahead	6B. Innovations in Preservation	6C. Communication Between Tribal Communities and Transportation Agencies		

THURSDAY, February 11, 2010 Registration, CH2M-HILL Alumni Center, 9:00 am

8:30 to 10:00	Room A	Room B
	7A. Intercity Passenger Rail	7B. Vulnerability of Oregon Coastal Infrastructure To Tsunami
	Break, 10:00 - 10:15	
10:30 to 12:00	Closing Plenary Session "Transit-Oriented Development: Two Views" <ul style="list-style-type: none"> • John Charles, <i>Cascade Policy Institute</i> and Richard Willson, <i>California Polytechnic University, Pomona, CA</i> 	



A special thank you to our sponsors, whose generous contributions are helping to make this conference a success.



Association of Oregon Counties
American Society of Civil Engineers, Oregon Chapter
Benton County Public Works
Federal Highway Administration
ITS Oregon
Oregon Dept. of Transportation
Research Section
Oregon Technology Transfer (T2) Center
Oregon State University
Kiewit Center for Infrastructure and Transportation
Portland State University
Oregon Transportation Research and Education Consortium

Detailed Breakout Session Information

Tuesday, February 9, 1:30pm-3:00pm

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1A. Infrastructure and Energy

Moderator: Rodney Stewart, ODOT

- a) Joe Mahoney, University of Washington
Transportation Infrastructure, Funding, and Renewable Energy
- b) Allison Hamilton, ODOT
Solar Highways (Title TBA)

1B. Freight Movement within Urban Areas

Moderator: TBA

- a) Anne Goodchild and Felipe Sandoval, University of Washington
Evaluating Emission Reductions and Trade-offs in Urban Delivery Systems
- b) Ryan Conrad, Portland State University
Quantifying the Impacts of Congestion on Freight Distribution Systems in Portland
- c) Nikki Wheeler, Portland State University
Analysis of the Impacts of Congestion on Freight Corridors using GPS and Traffic Sensor Data

1C. Public Transit Operations

Moderator: Dinah Van Der Hyde, ODOT

- a) Dave Crout, TriMet
Improving Customer Service with Transit Technology
- b) Wei Feng, Portland State University
Data Mining and Analysis of Transit Data Operations to Improve Schedule Adherence
- c) Joe McCormack and Charles Simmons, LTD
Bus Rapid Transit: A Comprehensive and Flexible Solution

1D. Innovations in Planning

Moderator: Amanda Pietz, ODOT

- a) Shelly Alexander, Joshan Rohani and Jerry Wolcott, David Evans and Associates.
Embracing Project Evolution: A Corvallis Case Study
- b) Mike Baker, David Evans and Associates
Large Project Application of Least Cost Planning Principles
- c) Jim Strathman, Portland State University
Financing Mechanisms for Capital Improvements

Tuesday, February 9, 3:30pm-5:00pm

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2A. Green Highways

Moderator: Margie Lifsey, ODOT

- a) Matt Butts and Dan Jenkins, Group Mackenzie.
Sustainable Infrastructure and Return on Investment

- b) Peter Hurley, Portland Bureau of Transportation and Susie Serres, North American Sustainable Transportation Council
STARS – Sustainable Transportation Access Rating System a National Framework to Improve Access, Benefit-Cost and Climate & Energy Performance of Transportation Plans, Projects and Employer Programs
- c) Steve Muench, University of Washington
Greenroads: A Sustainability Performance Metric for Roadways
- d) Rob Shogren, Lafarge North America
Recycled Content in Concrete and Cement

2B. Multimodal Safety and Mobility

Moderator: June Ross, ODOT

- a) Christopher Monsere, Portland State University
Bike Boxes at Signalized Intersections - Do they Work?
- b) Hermanus Steyn, Kittelson & Associates, Inc. and Susanne D’Agnese, ODOT
Road Safety Audit (RSA) MT. Hood Highway, Mile Post 47.0-54.3 Clackamas County, Oregon
- c) Nick Foster, Kittelson & Associates.
Applying the HSM to the Alternative Selection Process: A Case Study in Missoula, Montana
- d) Ed Fischer, ODOT
Bicycle and Pedestrian Safety and Mobility in Europe, Summary of Findings from a 2009 Scan Trip

2C. Tolling

Moderator: Amanda Pietz, ODOT

- a) Starr McMullen, Oregon State University
Developments in Congestion Pricing Research
- b) Jim Whitty, Oregon Department of Transportation
Congestion Pricing Considerations in Oregon

2D. Context Sensitive Design

Moderator: Mark Joerger, ODOT

- c) Speakers TBA

Wednesday, February 10, 8:30am-10am

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3A. Integrating Planning and Operations

Moderator: John Stutesman, David Evans and Associates

- a) Jim Peters, DKS Associates and Deena Platman, Metro
Case Study - Planning for Regional Transportation System Management and Operations in the Portland Metropolitan Area
- b) 2 Speakers TBA

3B. Structures

Moderator: Steve Soltesz, ODOT

- a) Chris Higgins, Oregon State University

(Title TBA)

b) David Trejo, Oregon State University

(Title TBA)

c) Speaker TBA

3C. Climate Change

Moderator: John MacArthur, OTREC

a) Heejun Chang, Portland State University

Climate Change Impacts on Urban Transportation System: A Case Study of the Portland Metro Area

b) Lindsay Walker, Portland State University

A Critical Review and Synthesis of the Climate Change and Transportation Literature

c) Brian Gregor, ODOT

GreenSTEP: A Statewide Model for Estimating and Forecasting Greenhouse Gas Emissions from the Transportation Sector.

d) Philip Mote, ODOT

(Title TBA)

Wednesday, February 10, 10:30am-12:00pm

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4A. Innovations in Measuring Arterial Performance

Moderator: TBA

a) Speakers: TBA

4B. Continuing and Emerging Issues for Managing Low Volume Roads

Moderator: Marv Pyles, Oregon State University

a) Mike Long, ODOT

Transportation Research Board (TRB) Expertise and Resources

b) John Oshel, Association of Oregon Counties

Rural Road Finance

c) Peter Bolander, United States Forest Service

Dust Management Practice and Options

d) John Matthews, Trenchless Technology Center

Trenchless Pipe Replacement Technology

4C. Traffic Calming

Moderator: Myra Sperley, ODOT

a) Michael J. Cunneen, Kittelson & Associates, Inc

Converting One-Way Streets to Two-Way: What Can Be Learned from Albuquerque's Downtown Conversion & Others Regarding Public Safety

b) David Roth, City of Eugene

Road Diets – A Transformation of Space

c) Speaker TBA

Wednesday, February 10, 1:30pm-3:00pm

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5A. Improving Multi-Agency Operations and Communication

Moderator: David Crout, TriMet

- a) Jennifer Danziger, David Evans Associates and Joesph Marek, Clackamas County
OR-99E Incident Route Plan

5B. Roadway Safety

Moderator: Bob Raths, ODOT

- a) Mark Joerger, ODOT
Photo Radar Speed Enforcement in Work Zones
- b) Doug Bish, ODOT
Development of an All Road Safety Priority Index System
- c) Mojtaba Takallou, Oregon State University
Traffic Practices Handbook for Local Roads and Streets in Oregon

5C. Active Transportation

Moderator: Sheila Lyons, ODOT

- a) Nikki Wheeler, Portland State University
Statistical Analysis of Bicycle Rider Performance: The Impact of Age and Gender on Performance at Signalized Intersections
- b) Ashley Haire, Portland State University
Measuring the Links between Traffic Flows and Emissions in Urban Areas
- c) Nico Larco, University of Oregon
Fringe Urbanism: Overlooked Density, Travel Patterns, and Connectivity in Suburban Multifamily Housing
- d) Sumi Malik and Kristen Pennington, CH2M Hill
Using Census-Based Greenhouse Gas Estimation for Decision-Making – Lougheed Bicycle Corridor, B.C. Canada

Wednesday, February 10, 3:30pm-5:00pm

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6A. Innovations Operations: Looking Ahead

Moderator: Nathaniel Price, FHWA

- a) Speakers TBA

6B. Innovations in Preservation

Moderator: Norris Shippen, ODOT

- a) Dennis Hughes, City of Gresham and Cody Worden, Intermountain Slurry Seal
Microsurfacing
- b) James Anspach, 2010 Chair – ASCE Board Committee for Codes & Standards
The Future of Utility Data Management in Highway Rights-of-Way
- c) Bob Townsend, ODOT
Hot Oil Chip Seals

6C. Communication between Tribal Communities and Transportation Agencies

Moderator: Giovanni Migliaccio, University of New Mexico

- a) Speakers TBA

Thursday, February 11, 8:30am-10:00am

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7A. Intercity Passenger Rail

Moderator: Lyn Cornell, ODOT

- a) Bill Burgel, HDR, Inc.

The Implementation of High Speed Rail on the Nation's Existing Freight Rail Corridors: Can These Two Transportation Modes Be Combined?

- b) Franklin Sherkow, Oregon State University

Blueprint for a Maglev Transportation System in Oregon along the Interstate 5 Corridor in the Willamette Valley

- c) Betsy Imholt, ODOT and Scott Witt, WsDOT

Portland – Seattle High Speed Rail Project

7B. Vulnerability of Oregon Coastal Infrastructure to Tsunami

Moderator: TBA

- a) Dan Cox, Oregon State University

Title TBA

- b) Solomon Yim, Oregon State University

Title TBA

- c) Harry Yeh, Oregon State University

Title TBA