



Oregon Transportation Research and Education Consortium Year 3 Projects 2008-2009

As governed by our Strategic Plan, and after rigorous peer review of 49 submitted proposals, OTREC has selected the top 28 research, education and technology transfer projects for funding in 2008-2009.

Research

- 09-216: Overlooked Density: Re-Thinking Transportation Options in Suburbia, Phase 2; PI: Larco
- 09-221: Factors for Improved Fish Passage Waterway Construction, Phase 2; Pls: Sillars, Moradkhani, Smith
- 09-224: Healthy Communities and Urban Design: A Multi-Disciplinary National Analysis of Travel Behavior, Residential Preference, and Urban Design; Pls: Greene, Yang, Larco, Schlossberg, Rodriguez, McDonald
- 09-226: Maintaining Safe, Efficient and Sustainable Intermodal Transport through the Port of Portland; Pls: Jay, Pan
- 09-227: Evaluation of Bike Boxes at Signalized Intersections; Pls: Dill, Monsere
- 09-229: Implementation of Active Living Policies by Transportation Agencies and Departments; Pls: Dill, Howe
- 09-230: Exploratory Methods for Truck Re-identification in a Statewide Network Based on Axle Weight and Axle Spacing Data to Enhance Freight Metrics; Pls: Monsere, Cetin, Nichols
- 09-232: Expanding Development of the Oregon Traffic Safety Data Archive, Phase 2; PI: Monsere
- 09-239: The Effectiveness of Vertebrate Passage and Prevention Structures: a Study of Boeckman Road in Wilsonville; PI: de Rivera
- 09-242: Financing Mechanisms for Capacity Improvements at Interchanges; PI: Strathman
- 09-243: A Novel Design Strategy for Integrating Freight Rail Into Urban Settings: A Capping Study; PI: Schnabel
- 09-248: Value of Reliability, Phase 2; Pls: Bertini, Levinson, Harder, Bloomfield
- 09-249: Improving Regional Travel Demand Models for Bicycling; Pls: Gliebe, Dill
- 09-252: Hurricane Wave Forces on Highway Bridge Superstructure: Pseudo-dynamic Testing for Bridge Subassembly; Pls: Cox, Maddux
- 09-255: Calibrating the HSM Predictive Methods for Oregon Highways; Pls: Dixon, van Schalkwyk, Monsere
- 09-256: Advisory Speed Safety Study; Pls: Dixon, van Schalkwyk
- 09-257: Future Flooding Impacts on Transportation Infrastructure and Traffic Patterns Resulting from Climate Change; Pls: Chang, Lafrenz, Figliozi
- 09-261: Combined Seismic plus Live Load Analysis of Highway Bridges; PI: Scott
- 09-269: Exploiting a Next Generation ITS Data Warehouse for Improved System Performance and Congestion Monitoring; Pls: Bertini, Maier, Tufte
- 09-270: Seismic Hazard Assessment of Oregon Highway Truck Routes; Pls: Dusicka, Gliebe
- 09-276: Analyzing and Quantifying the Impact of Congestion on LTL Industry Costs and Performance in the Portland Metropolitan Region; Pls: Figliozi, Monsere
- 09-277: Analysis of Travel Time Reliability for Freight Corridors Connecting the Pacific Northwest; PI: Figliozi

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OTREC is a National University Transportation Center, and is a partnership between Portland State University, the University of Oregon, Oregon State University and the Oregon Institute of Technology

Education

- 09-223: Trail Planning & Community Service Curriculum; Pls: Weigand, Dill
- 09-247: designBridge: Integrating Transportation into Service Learning Design/Build Projects; Pls: Larco, Brode
- 09-254: Rural Young Women Transportation Education Outreach; Pls: Lindgren, Powers
- 09-264: Expanding Service Learning Models in Transportation; Pls: Parker, Johnson
- 09-279: Bicycle and Pedestrian Design Curriculum Expansion Proposal; PI: Weigand

Technology Transfer

- 09-214: Transferring GIS / Community-Based Transportation Assessment Tools Nationwide; Pls: Schlossberg, Larco

OTREC received a total of 49 proposals with a request of \$3.3 million for consideration for the 2008-2009 funding year. There were 54 different investigators; 26 proposals with multiple principal investigators; and 9 were multi-campus. The diversity of the proposals submitted displays impressive breadth of discipline and demonstrates great collaboration between universities and with external agencies. As governed by the OTREC Strategic Plan, all proposals underwent a rigorous peer review process before a funding recommendation was made. Each proposal was reviewed by at least three expert reviewers, including one federal reviewer.

On June 9, 2008, the OTREC Executive Committee selected the top 28 research, education and technology transfer projects. We encourage those with proposals that were not selected but fit well with the OTREC theme of Advanced Technology, Integration of Land Use and Transportation, and Healthy Communities to strengthen the approach and consider resubmitting for the 2009-2010 funding year.

	Awarded	Submitted
Total Proposals	28	49
Research	22	34
Education	5	8
Tech Transfer	1	2
Proposers	41	54
Multi-campus	6	9
Multi-PI	20	26

About OTREC

OTREC is a National University Transportation Center created by Congress in 2005. A partnership between Portland State University, the University of Oregon, Oregon State University, and the Oregon Institute of Technology, OTREC is dedicated to stimulating and conducting collaborative multi-disciplinary **research** on multi-modal surface transportation issues; **educating** a diverse array of current practitioners and future leaders in the transportation field; and encouraging **implementation** of relevant research results. Through collaboration and partnerships with transportation agencies, industry, and other universities in the Northwest, OTREC's theme focuses on advanced technologies; integration of land use and transportation; and healthy communities.

Contact Us

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