

curriculum vitae

Christopher Michael Monsere, Ph.D., P.E.

Assistant Professor

Department of Civil and Environmental Engineering

Portland State University

P.O. Box 751, Portland, Oregon USA 97207-0751

Phone 503 725 9746 • Fax 503 725 5950 • monsere@pdx.edu • www.cee.pdx.edu/~monserec

Last update March 6, 2009

EDUCATION

- Ph.D. 2001 Civil Engineering, Iowa State University, Concentration: Transportation
M.S. 1997 Civil Engineering, Iowa State University, Concentration: Transportation
B.C.E. 1995 Civil Engineering, University of Detroit Mercy, *summa cum laude*

EMPLOYMENT

- 2006- present Assistant Professor, Civil and Environmental Engineering, Portland State University, Portland, Oregon
2005- present Research Associate, Center for Transportation Studies, Portland State University, Portland, Oregon
2004- present Assistant Director, Intelligent Transportation Systems Laboratory, Civil and Environmental Engineering, Portland State University, Portland, Oregon
2004-2006 Research Assistant Professor, Civil and Environmental Engineering, Portland State University, Portland, Oregon
2003-2003 Adjunct Instructor, Civil and Environmental Engineering, Portland State University, Portland, Oregon
2000-2004 Highway Safety Engineer, Oregon Department of Transportation, Salem, Oregon
1996-2000 Dwight D. Eisenhower Research Fellow, Iowa State University, Ames, Iowa
1995-2000 Research Assistant, Iowa State University, Ames, Iowa
1994-1995 Assistant Project Manager, Angelo Iafrate Construction Company, Warren, Michigan
1993-1994 Assistant Estimator, Albert Kahn Associates, Inc. Detroit, Michigan
1991-1993 Engineering Assistant, Hubbell, Roth and Clark, Bloomfield Hills, Michigan

PROFESSIONAL REGISTRATION

Registered Professional Engineer, Oregon License 74673PE

DISSERTATION

“A GIS-based multi-commodity freight model: Typology, model refinement and field validation”, Iowa State University, Ames, Iowa. August 2001. Advisors: R. Souleyrette and T.H. Maze. Committee: M. Crum, E. Kannell, and K. Knapp

REFEREED PUBLICATIONS

Refereed Journal Articles

8. Berkow, M., Monsere, C., Koonce, P., Bertini, R.L., and Wolfe, M. “Prototype for Data Fusion Using Stationary and Mobile Data Sources for Improved Arterial Performance Measurement”

- Transportation Research Record: Journal of the Transportation Research Board, Transportation Research Board of the National Academies, Washington, D.C., 2009. (Accepted for publication)
7. Monsere, C.M., Fischer, E.L., Safety effects of reducing freeway illumination for energy conservation. *Accid. Anal. Prev.* (2008), doi:10.1016/j.aap.2008.06.018
 6. Monsere, C., P. Bosa., R.L. Bertini. “Combining Climate, Crash, and Highway Data for Improved Ranking of Speed and Winter-Weather Related Crash Locations in Oregon.” *Journal of Transportation Engineering, American Society of Civil Engineers*, Vol 134 (7), 2008, pp 287-296
 5. Monsere, C., A. Breakstone, Bertini, R.L., D. Bish. “Developing an Online Tool for Delivering Research Results: An Update to the Oregon Department of Transportation’s Crash Reduction Factor Database.” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2009, Transportation Research Board of the National Academies, Washington, D.C., 2007, pp. 113-120.
 4. Monsere, C., A. Breakstone, Bertini, R.L., D. Deeter, G. McGill. “Validating Dynamic Message Sign Freeway Travel Time Messages Using Ground Truth Geospatial Data.” *Transportation Research Record: Journal of the Transportation Research Board* No. 1959, Transportation Research Board of the National Academies, Washington, D.C., 2006, pp. 19-27.
 3. Grile, C., Monsere, C., Hunter Zaworski, K. “Programming Safety Improvements on Pavement Resurfacing, Restoration, and Rehabilitation Projects.” *Transportation Research Record: Journal of the Transportation Research Board* No. 1922, Transportation Research Board of the National Academies, Washington, D.C., 2005, pp. 73-78.
 2. Monsere, C., Nolan, C., Bertini, R.L., Anderson, A. and El-Seoud, T. “Measuring the Impacts of Speed Reduction Technologies: A Dynamic Advanced Curve Warning System Evaluation.” *Transportation Research Record: Journal of the Transportation Research Board* No. 1918, Transportation Research Board of the National Academies, Washington, D.C., 2005. pp. 98-107.
 1. Bertini, R.L., Monsere, C., Byrd, A., Rose, M. and El-Seoud, T. “Using Custom Transportation Data Collection Software with Handheld Computers for Education, Research, and Practice.” *Transportation Research Record: Journal of the Transportation Research Board* No. 1924, Washington, D.C., 2005, pp. 37-45.

REVIEWED PUBLICATIONS

Reviewed Journal Articles

1. Maze, T.H., C. Monsere, M. Hancock, D. Plazak, B. McCall. Electronic Screening in the I-35 Corridor. In *Transportation Quarterly, Volume 52, Number 1*. Eno Transportation Foundation, Landsdowne, Virginia. Winter 1998.

Reviewed Proceedings (by full paper)

9. Chi, D., Dill, J., Monsere, C. “An Observational Evaluation of the Safety Effectiveness of Marked and Unmarked Crosswalks at Unsignalized Intersections” *Transportation Research Record: Journal of the Transportation Research Board*, Transportation Research Board of the National Academies, Washington, D.C., 2009.
8. Monsere, C., Eshel, O., and Bertini, R.L. “Empirical Evaluation of Freeway Corridor Performance Before and After System-Wide Adaptive Ramp Metering System Implementation.” *Transportation Research Record: Journal of the Transportation Research Board*, Transportation Research Board of the National Academies, Washington, D.C., 2009.
7. Tasnim, S., Monsere, C. and Bertini, R.L. “Toward an Automated Incident Analysis Process Using Archived Data on the Portland Oregon Freeway System.” 10th International Conference on Application of Advanced Technologies in Transportation, Athens, Greece, May 27– 31, 2008.
6. Peters, J., C. Monsere, H. Li, M. Mahmud, S. Boice. “Field-Based Evaluation of Corridor Performance After Deployment of an Adaptive Signal Control System in Gresham, Oregon”. *Proceedings of the 87th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2008.

5. Berkow, M., M. Wolfe, C. Monsere, R.L. Bertini. "Using Signal System Data and Buses as Probe Vehicles to Define the Congested Regime on Arterials". *Proceedings of the 87th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2008.
4. Auffray, B., C. Monsere, R.L. Bertini. "An Empirical Investigation of the Impacts of Sun-Related Glare on Traffic Flow". *Proceedings of the 87th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2008.
3. Tufte, K., P. Chavan, C. Monsere, M. Stephens, R.L. Bertini. "Extending the Use of Archived ITS Data As a Potential Management Tool to Evaluate Traveler Information on Dynamic Message Signs". *Proceedings of the 87th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2008.
2. Wolfe, M., Monsere, C., and Bertini, R.L. "Arterial Performance Measurement Using Traffic Signal System Data." 10th International IEEE Conference on Intelligent Transportation Systems, Seattle, Washington, September 30-October 3, 2007. (Accepted)
1. Kamyab, A., C. Monsere, M. Nelson. "Feasibility Study of a Ramp Bypass Lane as an Interim Solution to Weigh Station Capacity Problems" *Proceedings of the 78th Annual Meeting of the Transportation Research Board*. Washington D.C. January 1999.

Reviewed Proceedings (by abstract)

23. Peters, J., C. Monsere, S. Boice. "A Comprehensive Evaluation of Corridor Performance After Deploying the SCATS Adaptive Signal Control System in Gresham, Oregon". *Proceedings of the 2008 ITE Annual Meeting*, Anaheim, CA, August 17-20, 2008.
22. Dierksen, L., Monsere, C., Bertini, R.L. "A Second Look at the Effectiveness of the Myrtle Creek Dynamic Advanced Curve Warning System" 15th World Congress on Intelligent Transport Systems, New York, NY, November 16-20, 2008. (Accepted)
21. Eshel, O., Bertini, R.L., and Monsere, C. "Empirical Evaluation of Adaptive Ramp Metering Along Two Freeway Corridors in Portland, Oregon." 15th World Congress on Intelligent Transport Systems, New York, NY, November 16-20, 2008. (Accepted)
20. Monsere, C. and A. Nichols, "Building a WIM Data Archive for Improved Modeling, Design, and Rating", Presented at North American Travel Monitoring Exposition and Conference, Washington D.C., August 6-8, 2008
19. Bertini, R.L. and Monsere, C. "Techniques for Establishing and Measuring Data Quality in an Archived Data User Service." North American Travel Monitoring Exhibition & Conference (NATMEC), Washington, D.C., August 6-8, 2008.
18. Bertini, R.L. and Monsere, C. "Towards Incorporating Arterial Performance Quality in the PORTAL Archived Data User Service." North American Travel Monitoring Exhibition & Conference (NATMEC), Washington, D.C., August 6-8, 2008.
17. Eshel, O., Monsere, C., and Bertini, R.L. "Empirical Evaluation of Oregon's System-wide Adaptive Ramp Metering System." 2008 TRB/IBTTA Joint Conference on Freeway and Tollway Operations, Fort Lauderdale, Florida, June 15-19, 2008
16. Bertini, R.L., Monsere, C., Berkow, M., and Wolfe, M. "Using Automatic Vehicle Location Data to Determine Detector Placement." CITE Annual Meeting and Quad Conference, Victoria, B.C. April 26-30, 2008.
15. Bertini, R.L., Fernandez, R., Li, H., and Wiczorek, J. "Bottleneck Identification and Forecasting in Traveler Information Systems." CITE Annual Meeting and Quad Conference, Victoria, B.C. April 26-30, 2008.
14. Chavan, P., Tufte, K., Bertini, R.L., and Monsere, C. "Extending the Use of Archived ITS Data As a Potential Management Tool to Evaluate Traveler Information on Dynamic Message Signs." CITE Annual Meeting and Quad Conference, Victoria, B.C. April 26-30, 2008.

13. Wolfe, M., Monsere, C., Koonce, P., and Bertini, R.L., "Improving Arterial Performance Measurement Using Traffic Signal System Data," Compendium of Technical Papers, Institute of Transportation Engineers, District 6 Annual Meeting, Portland, Oregon, July 15-18, 2007.
12. Berkow, M., Chee, J., Bertini, R.L., and Monsere, C., "Transit Performance Measurement and Arterial Travel Time Estimation Using Archived AVL Data," Compendium of Technical Papers, Institute of Transportation Engineers, District 6 Annual Meeting, Portland, Oregon, July 15-18, 2007.
11. Kloos, B., P. Koonce, C. Monsere, P. Zabell. "Providing Priority for Trucks at Signalized Urban Intersections." Institute of Transportation Engineers Technical Conference, San Diego, California, March 25-28, 2007.
10. Coffman, M. and C. Monsere. "Enhancing Targeted Traffic Enforcement in Portland, Oregon." Institute of Transportation Engineers, District 6 Annual Meeting, Honolulu, Hawaii, June 25-27, 2006.
9. Bertini, R.L., M. Lasky, and C. Monsere. "Validating Predicted Rural Corridor Travel Times from an Automated License Plate Recognition System: Oregon's Frontier Project." 8th International IEEE Conference on Intelligent Transportation Systems, Vienna, Austria, September 13-16, 2005.
8. Monsere, C., E. Wilson, E., A. Springberg. "Enhancing the Oregon Crash Reporting Process: A Feasibility Assessment." Institute of Transportation Engineers, District 6 Annual Meeting, Kalispell, Montana, July 10-13, 2005.
7. Monsere, C., R.L. Bertini, P. Bosa, and D. de la Houssaye. "Improving the Highway Safety Process: An Update and Enhancement to the Oregon DOT's Crash Reduction Factors List." Institute of Transportation Engineers, District 6 Annual Meeting, Kalispell, Montana, July 10-13, 2005.
6. Monsere, C., R.L. Bertini and T. Moes. "Exploring Spatial and Temporal Performance Measurement In Metropolitan Transportation Safety Improvement Program" Proceedings of the 9th International Conference on Computers in Urban Planning and Urban Management, London, United Kingdom, June 29, 2005.
5. Bertini, R.L., C. Nolan, C. Bonner, T. El-Seoud, and C. Monsere, "Examination of the Impact of Speed Upon Highway Safety: An Oregon Perspective." Institute of Transportation Engineers, District 6 Annual Meeting, Sacramento, California, June 20-23, 2004.
4. Monsere, C., B. Sposito, S. Johnston. "Safety Effectiveness and Operating Performance of Three-Cable Median Barrier on Interstate 5 in Oregon." Compendium of Technical Papers, Institute of Transportation Engineers 2003 Annual Meeting, Seattle, Washington, August 2003.
3. Malik, S., R.L. Bertini, and C. Monsere. "Crash Data Reporting And Analysis – An Oregon Pilot Study." Compendium of Technical Papers, Institute of Transportation Engineers 2003 Annual Meeting, Seattle, Washington, 2003.
2. Monsere, C., T.H. Maze. "Analysis of a Multi-state Corridor Deployment of Intelligent Transportation Systems for Commercial Vehicle Operations". Proceedings of the 6th World Congress on Intelligent Transportation Systems. Toronto, Ontario. November 1999.
1. Monsere, C., T.H. Maze. "Summary of an Economic Analysis Concerning the Application of Intelligent Transportation Systems/Commercial Vehicle Operations (ITS/CVO) to the Mid-Continent Corridor" Proceedings of the Crossroads 2000 Conference. Center for Transportation Research and Education, Iowa State University, Ames, Iowa. August 1998.

Industry Publications

1. Bertini, R.L., Eshel, O., Monsere, C., and Hagedorn, Hau "Rating Ramps: Evaluating Portland, Oregon's Adaptive Ramp Metering System". Traffic Technology International, Surrey, U.K. 2009, pp 33-41.

Reports

16. Monsere, C., Eshel, O., Ahn, S., and Bertini, R.L. "Using Archived ITS Data to Measure the Operational Benefits of a System-wide Adaptive Ramp Metering System," Final Report, Oregon Department of Transportation SPR Project No. 645, and Oregon Transportation Research and Education Consortium, OTREC-RR-08-190, July 2008.
15. Monsere, C. and Chi. D. , "A Strategy for Reducing the Impact of Driving Under Influence of Intoxicants in Portland, Oregon.", Portland State University, Intelligent Transportation Systems Lab, Research Report CSTSP 08-01, March 2008
14. Monsere, C.M., T. Yin, and M. Wolfe "Understanding the Safety Effects of Roadway Illumination Reductions", 05-02FINAL, Portland State University, Intelligent Transportation Systems Lab, August 2007.
13. Monsere, C., Wilson, E., Springberg, A. "Enhancing the Oregon Crash Reporting Process: A Feasibility Assessment", Portland State University, Center for Transportation Studies, Research Report, April 2006.
12. Monsere, C., Springberg, A, Lyman, K. "Electronic Communications from Oregon Courts to the Driver & Motor Vehicle Services Division: A Feasibility Assessment" Portland State University, Center for Transportation Studies, Research Report, March 2006.
11. Monsere, C. Bertini, R.L., Breakstone, A. "Update and Enhancement of Oregon Department of Transportation's Crash Reduction Factors." Oregon Department of Transportation, FHWA-OR-RD-06-11, Salem Oregon, June 2006.
10. Monsere, C. Bertini, R.L., Bosa, P., Chi, Delia. "Comparison of Identification and Ranking Methodologies for Speed-Related Crash Locations" Oregon Department of Transportation, FHWA-OR-RD-06-14, Salem Oregon, June 2006.
9. Monsere, C. Bertini, R.L., Bosa, P. "Field Evaluation of the Myrtle Creek Advanced Curve Warning System." Portland State University, Center for Transportation Studies, Research Report, February 2006.
8. Monsere, C., Bertini, R.L. and Breakstone, A. "Evaluation of Freeway Travel Times" Portland State University, Center for Transportation Studies, with Final Report prepared by Castle Rock, Inc. Research Report, July 2005.
7. Monsere, C., Tasnim, S. "Results of the 2004 Clackamas County Traffic Safety Commission Citizen Survey" Portland State University, Center for Transportation Studies, Research Report, June 2005.
6. Bertini, R.L., Monsere, C. and Yin, T. "Benefits of Intelligent Transportation Systems Technologies in Urban Areas: A Literature Review" Portland State University, Center for Transportation Studies, Research Report, April 2005.
5. Bertini, R.L., Endo, S., Monsere, C. and Dill, J. "First Annual Portland Metropolitan Region Transportation System Performance Report." Portland State University, Center for Transportation Studies, Research Report, September 2004.
4. Monsere, C., Dill, J., Newgard, C., Rufolo, T., Wemple, E., Milliken, C. and Bertini, R.L. "Impacts and Issues Related to Proposed Changes in Oregon's Interstate Speed Limits." Portland State University, Center for Transportation Studies, Research Report, September 2004.
3. Monsere, C., T.H. Maze. "Report on a Traveler Information System for the Quad-Cities Mississippi River Bridges: Descriptions and Alternatives". Center for Transportation Research and Education, Iowa State University, Ames, Iowa. April 1998.
2. Monsere, C. "Economic analysis of the application of Intelligent Transportation Systems technologies for commercial vehicle operations to the mid-continent corridor". Master's Thesis, Iowa State University, Ames, Iowa. December 1997

1. Smith, D., T. Simodynes, C. Monsere. "Concept Highway Maintenance Vehicle Final Report: Phase One". Center for Transportation Research and Education, Iowa State University, Ames, Iowa. April 1997.

PRESENTATIONS AND INVITED TALKS

46. Monsere, C. "TMIP Webinar: Using Visualization Techniques to Communicate Transportation Planning Data" FHWA TMIP Webinar, November 13, 2008.
45. Monsere, C. "An Update on the Oregon Traffic Safety Data Archive", Oregon Transportation Safety Conference, Canyonville, OR, October 21, 2008.
44. Monsere, C. "Using Archived ITS Data to Measure the Operational Benefits of a System-Wide Adaptive Ramp Metering System (SWARM)", Portland State University Transportation Seminar, October 10, 2008.
43. Monsere, C. and A. Nichols, "Building a WIM Data Archive for Improved Modeling, Design, and Rating", Presented at North American Travel Monitoring Exposition and Conference, Washington D.C., August 6-8, 2008
42. Bertini, R.L. and Monsere, C. "Techniques for Establishing and Measuring Data Quality in an Archived Data User Service." North American Travel Monitoring Exhibition & Conference (NATMEC), Washington, D.C., August 6-8, 2008.
41. Bertini, R.L. and Monsere, C. "Towards Incorporating Arterial Performance Quality in the PORTAL Archived Data User Service." North American Travel Monitoring Exhibition & Conference (NATMEC), Washington, D.C., August 6-8, 2008.
40. Monsere, C. "Safety Effects of Roadway Illumination Reduction", University of Washington Seminar Series, Seattle, Washington, April 2008.
39. Monsere, C. Wemple, B. Ooms, A. "Taking the City of Portland's High Crash intersection identification to the next level" Northwest Transportation Conference, February 7, 2008
38. Monsere, C. "An Update on ITS Lab Projects - "Evaluation of SWARM Ramp Metering Algorithm", "Arterial Performance Measurement", "Update on Crash Reduction Factors Database" and "Using Existing ITS Commercial Vehicle Operation (ITS/CVO) Data to Develop Truck Travel Time Estimates and Other Freight Measures". ASCE Capital Branch, Salem OR, October 25, 2007.
37. Monsere, C. "Safety Effects of Roadway Illumination Reduction", Institute of Transportation Engineers, District 6 Annual Meeting, Portland, Oregon, July 15-18, 2007.
36. Monsere, C. and D. Chi., "Impact of Driving Under the Influence of Intoxicants", Institute of Transportation Engineers, District 6 Annual Meeting, Portland, Oregon, July 15-18, 2007.
35. Monsere, C. J. Anad. "Motor Vehicle Crash Fatalities and Injuries: An Analysis of the Relationship of Roadway, Driver, Vehicle", Institute of Transportation Engineers, District 6 Annual Meeting, Portland, Oregon, July 15-18, 2007.
34. Monsere, C. "Estimating Safety Performance: Current and Future Tools" *Technical Workshop: Oregon ITE*, Portland, Oregon, January 30, 2007.
33. Monsere, C., A. Breakstone, Bertini, R.L., D. Bish. "Developing an Online Tool for Delivering Research Results: An Update to the Oregon Department of Transportation's Crash Reduction Factor Database." *Transportation Research Board Annual Meeting*, Washington, D.C., January 23, 2007.
32. Monsere, C. "Monsere, C., P. Bosa. "Exploring Methods for Ranking Speed and Winter-Weather Related Crash Locations in Oregon by Combining Climate, Crash, and Highway Data." *Transportation Research Board Annual Meeting*, Washington, D.C., January 24, 2007.
31. Monsere, C. "Monsere, C., P. Bosa. "A Methodology for Evaluating the Feasibility of Enhancing Traffic Records Processing in Oregon with Electronic Automation" *International Forum on Traffic Records and Highway Safety Systems*. Palm Desert, California, August 1, 2006
30. Monsere, C. Kothuri, S, C., Bertini, R.L., Kothuri, S. and Breakstone, A. "Comparative Analysis of Various Travel Time Estimation Algorithms to Ground Truth Data Using Archived Data." *North*

- American Travel Monitoring Exhibition & Conference (NATMEC)*, Minneapolis, Minnesota, June 5, 2006.
29. Monsere, C., Bertini, R.L., Horowitz, Z. and Tuft, K. "Incorporating Freight Performance Measures in an Archived Data User Service." *North American Travel Monitoring Exhibition & Conference (NATMEC)*, Minneapolis, Minnesota, June 7, 2006.
 28. Monsere, C., "Developing New Identification and Ranking Methods for Speed-Related Crashes in Oregon" *Institute of Transportation Engineers Quad Conference*, Bellevue, Washington. April 17, 2006.
 27. Monsere, C., K Srinivas. "The Effects of Highway Illumination Reduction on Safety Performance: An Interim Report" *Institute of Transportation Engineers Quad Conference*, Bellevue, Washington. April 17, 2006.
 26. Monsere, C. Bertini. R.L. "Introduction to Intelligent Transportation Systems" University of Portland, Traffic Engineering, Portland, Oregon, December 6, 2005.
 25. Monsere, C., "Impacts and Issues Related to Proposed Changes in Oregon's Interstate Speed Limits" *Transportation Safety Conference*. Glenden, Oregon. September 21, 2005
 24. Monsere, C., "2nd Annual Oregon Crash Data Users' Forum" *Transportation Safety Conference*. Wilsonville, Oregon. September 20, 2005
 23. Monsere, C., Bertini. R.L., Byrd, A. "Using Custom Transportation Data Collection Software with Handheld Computers for Education, Research, and Practice." *American Society of Engineering Education Annual Meeting*, Portland, Oregon., June 14, 2005
 22. Monsere, C., Moes, T. "Community and School Traffic Safety Partnership (CSTSP) – Measuring Traffic Safety Performance In Portland, Oregon" *Institute of Transportation Engineers Quad Conference*, Vancouver, British Columbia. April 9, 2005.
 21. Monsere, C., Bertini. R.L., Byrd, A. "Using Custom Transportation Data Collection Software with Handheld Computers for Education, Research, and Practice." *Transportation Research Board Annual Meeting*, Washington, D.C., January 10, 2005
 20. Monsere, C. "Impacts and Issues Related to Proposed Changes in Oregon's Interstate Speed Limits" *Transportation Seminar Series*, Portland State University, January 7, 2005.
 19. Monsere, C. Nolan, C. Bertini, R.L. "Measuring the Impacts of Speed Reduction Technologies: A Dynamic Advanced Curve Warning System Evaluation" *Joint Meeting of the Oregon Section of ITE and IMA*, Portland, Oregon. October 25, 2004.
 18. Monsere, C., "Oregon Crash Data Users' Forum" *Transportation Safety Conference*. Wilsonville, Oregon. September 24, 2004
 17. Monsere, C., Wemple, E. Marek, J. Inyoswan, D. "Roadway Safety: Trends and Challenges." *Institute of Transportation Engineers Quad Conference*. Portland, Oregon. April 24, 2004.
 16. Monsere, C., "Using the AASHTO Strategic Highway Safety Plan: The Oregon DOT's Effort to Address Run-off-the-road Crashes" *Institute of Transportation Engineers Quad Conference*, Portland, Oregon. April 23, 2004.
 15. Monsere, C, "Highway Safety: Data, Designs, Decisions" *Highway Design for Capacity*. Portland State University. Portland, Oregon, January 26, 2004
 14. Monsere, C, "Highway Safety Engineering" *Introduction to Transportation Engineering*, Oregon State University. Corvallis, Oregon, October 17, 2003
 13. Monsere, C., "Understanding Older Drivers and Improving Safety". *Transportation Safety Conference*, Eugene, Oregon. October 16, 2003
 12. Monsere, C., Sposito, B., Johnston, S. "Safety Effectiveness and Operating Performance of Three-Cable Median Barrier on Interstate 5 in Oregon". *Institute of Transportation Engineers Annual Meeting*, Seattle, Washington. August 27, 2003.

11. Monsere, C, “How We Think About Highway Safety” Introduction to Transportation Engineering. Portland State University. Portland, Oregon, March 5, 2003
10. Monsere, C, “Highway Safety at the Oregon DOT” Technical Session, Kittelson and Associates, Inc., Portland, Oregon. September 24, 2002.
9. Monsere, C, “How We Think About Highway Safety” Introduction to Transportation Engineering, Oregon State University. Corvallis, Oregon, May 23, 2002
8. Monsere, C., “Preliminary Evaluation of the Safety Effectiveness of Centerline (Median) Rumble Strips in Oregon”. *Institute of Transportation Engineers Quad Conference*, Seattle, Washington. April 9, 2002.
7. Monsere, C., “Highway Safety – The State of the Practice”, ASCE Student Meeting, Oregon State University. Corvallis, Oregon. February 27, 2002.
6. Monsere, C., “A Statewide Freight Demand Forecasting Model: An Iowa Case Study” Portland State University, Portland, Oregon. November 16, 2001.
5. Monsere, C., Souleyrette R. “The Development of a Policy Sensitive Multimodal, Multicommodity Statewide Freight Transportation Planning Model.” ” Mid-continent Transportation Symposium., Iowa State University, Ames, Iowa. May 16, 2000
4. Monsere, C. “Analysis of a Multi-State Corridor Deployment of Intelligent Transportation Systems for Commercial Vehicle Operations (ITS/CVO)” George Mason University, Fairfax, Virginia. March 29, 2000
3. Monsere, C. “A Survey of Urban Rail Transit” Transportation Student Association, Iowa State University, Ames, Iowa. September 29, 1999
2. Monsere, C. Maze. T.H. “Summary of an Economic Analysis Concerning the Application of Intelligent Transportation Systems/Commercial Vehicle Operations (ITS/CVO) to the Mid-Continent Corridor” Crossroads 2000 Conference. Center for Transportation Research and Education, Iowa State University, Ames, Iowa. August 19, 1998.
1. Monsere, C. “Estimating the Value of Commercial Vehicle Time Savings”. Transportation Scholars Conference, Midwest Transportation Center, Iowa State University, Ames, Iowa. November 17, 1996

GRANTS, HONORS AND FELLOWSHIPS

Sponsored Research at Portland State University

Year	Project Title	Sponsor	Role	Amount
2009	Development, Deployment, and Assessment of a New Educational Paradigm for Transportation Professionals and University Students: A Collaboration of the Region X Transportation Consortium Collaborator: R.L. Bertini (PI-PSU), M. Figliozzi (PSU), M. Kyte (University of Idaho-PI)	Federal Highway Administration	Research Associate. PSU Subcontract is \$229K	\$56,462
2008	Exploratory Methods for Truck Re-identification in a Statewide Network Based on Axle Weight and Axle Spacing Data to Enhance Freight Metrics. Collaborator: A. Nichols (Marshall) and M.Cetin (ODU)	Oregon Transportation Education and Research Consortium	PI	\$98,295
2008	PSU Transportation Student Group (STEP) Support	Oregon Transportation Education and Research Consortium	PI	\$15,019
2008	Expanding Development of the Oregon Traffic Safety Data Archive: Phase 2	Oregon Transportation Education and Research Consortium	PI	\$36,912

2008	Collision Diagram Tool Evaluation Project	Oregon Department of Transportation	PI	\$7,748
2008	Evaluation of Bike Boxes at Signalized Intersections Collaborator: J. Dill (PSU)	Oregon Transportation Education and Research Consortium & ODOT	Co-PI	\$144,273
2008	Analyzing and Quantifying the Impact of Congestion on LTL Industry Costs and Performance in the Portland Metropolitan Region. Collaborator: M. Figliozzi (PSU)	Oregon Transportation Education and Research Consortium	Co-PI	\$69,868
2008	Calibrating the HSM Predictive Methods for Oregon Highways. Collaborator: K Dixon (OSU)	Oregon Transportation Education and Research Consortium	Co-PI	\$126,081
2007	Empirical Observation of the Impact of Stop-and-go Driving on Freeway Safety Collaborator: S. Ahn (ASU)	Oregon Transportation Education and Research Consortium	Co-PI	\$60,000
2007	Expanding Development of the Oregon Traffic Safety Data Archive	Oregon Transportation Education and Research Consortium	PI	\$20,000
2007	Application of WIM Data for Improved Modeling, Design, and Rating Collaborator: A. Nichols (Marshall) and C. Higgins (OSU)	Oregon Transportation Education and Research Consortium	Co-PI	\$138,996
2007	Freight Performance Measures: Approach Analysis Collaborator: L Zhang (OSU)	Oregon Transportation Education and Research Consortium & ODOT	Co-PI	\$105,000
2007	Using Existing ITS Commercial Vehicle Operation (ITS/CVO) Data to Develop Statewide (and Bi-state) Truck Travel Time Estimates and Other Freight Measures Collaborator: R.L. Bertini	Oregon Transportation Education and Research Consortium & ODOT	PI	\$85,299
2007	Assessment of Statewide Intersection Safety Performance	Oregon Department of Transportation	PI	\$120,000
2007	Developing a Safety Investigations Manual for the Oregon Department of Transportation. Collaborator: K Dixon (OSU)	Oregon Department of Transportation	Co-PI	\$75,000
2007	Support for Portland State University Students in Transportation Engineering and Planning (STEP) Group (OTREC 07-08)	Oregon Transportation Education and Research Consortium	PI	\$15,000
2007	Vehicle Safety Improvements at High Accident Locations (Phase 1 and 2)	City of Portland, Office of Transportation, Prime Contractor: Kittelson & Assoc.	Research Associate	\$12,000
2007	Community and School Traffic Safety Partnership Research and Evaluation (Year 2 - extension)	City of Portland, Office of Transportation	PI	\$28,000
2007	Support for Portland State University Students in Transportation Engineering and Planning (STEP) Group (OTREC 06-07)	Oregon Transportation Education and Research Consortium	PI	\$15,000
2007	Preliminary Development of the Oregon Traffic Safety Data Archive	PSU Provost's Foundation Faculty Development Awards	PI	\$1,000
2006	Evaluating the Effectiveness of the Safety Investment Program (SIP) Policies. Collaborator: K Dixon (OSU)	Oregon Department of Transportation	Co-PI	\$95,000
2005	Motor Vehicle Crash Fatalities and Injuries: An Analysis of the Relationship of Roadway, Driver,	Foundation for Air Medical Research and Education	PI	\$6,000

	Vehicle, and Emergency Medical Services in Oregon Counties			
2005	Community and School Traffic Safety Partnership Research and Evaluation (Year 2)	City of Portland, Office of Transportation	PI	\$52,000
2005	Evaluating Traffic Signal Improvements for Freight Mobility	City of Portland, Office of Transportation (Signals and Lighting)	PI	\$15,000
2005	Highway Safety Manual: Parts 2 and 3 (NCHRP)	National Cooperative Highway Research Program, Subcontractor, Prime Contractor: Kittelson & Assoc.	Research Associate	\$5,192
2005	Understanding the Safety Effects of Roadway Illumination Reductions	Oregon Department of Transportation	PI	\$47,960
2005	A Comprehensive Assessment of Electronic Communications from Oregon Courts to the DMV	Oregon Department of Transportation	PI	\$49,480
2005	Clackamas County Traffic Safety Commission Safety Survey	Clackamas County	PI	\$3,000
2004	Evaluation of Freeway Travel Time Estimates	Oregon Department of Transportation, Subcontractor, Prime Contractor: Castle Rock	Research Associate	\$15,000
2004	Motor Carrier Enforcement's Role in Fuel Tax Evasion (NCHRP 19-06) Collaborator: T. Rufulo	National Cooperative Highway Research Program, Subcontractor, Prime Contractor: Battelle	Research Associate	\$3,650
2004	Region 1 Intelligent Transportation System Implementation Plan Benefits Collaborator: R.L. Bertini	Oregon Department of Transportation, Subcontractor, Prime Contractor: Parametrix	Co-PI	\$6,000
2004	Enhancing the Oregon Crash Reporting Process: A Feasibility Assessment Collaborator: R.L. Bertini	TransNow University Transportation Center and Oregon Department of Transportation	Co-PI	\$62,000
2004	Impacts and Issues Related to Changes in Interstate Speed Limits Collaborator: R.L. Bertini	Oregon Department of Transportation	Co-PI	\$41,791
2004-2005	Community and School Traffic Safety Partnership Research and Evaluation Collaborator: R.L. Bertini	City of Portland, Office of Transportation	Co-PI	\$40,589
2008	Eisenhower Fellowship: Lisa Dierksen	Universities and Grants Program, FHWA	PI	\$6,000
2006	PSU Faculty Travel Grant	Portland State University	PI	\$600
2006	PSU Faculty Travel Grant	Portland State University	PI	\$1000
2005	PSU Faculty Travel Grant	Portland State University	PI	\$600
			Total	\$1,680,815

Unfunded Proposals

- C. Monsere, P. Koonce, Development of a Real-Time Arterial Performance Diagnostic System at Traffic Signals for Dissemination of Traveler Information, System Operations, and Maintenance: A Testbed Approach, \$111,525, March 2008, (Unfunded)
- C. Monsere, E. Wemple, “Assessment of Statewide Intersection Safety Performance”, Oregon Transportation Research and Education Consortium, \$61,950, May 2007, (Unfunded)
- C. Monsere, P. Koonce, “Evaluating Traffic Signal Operational Improvements for Freight Mobility”, Oregon Transportation Research and Education Consortium, \$98,879, May 2007, (Unfunded)
- Leyshock, P. C. Monsere, “Policy Options and Implications for Motorcycle Lane-Sharing in Oregon”, Oregon Transportation Research and Education Consortium, \$15,000, May 2007, (Unfunded)
- Dill, J. and C. Monsere. “Establishing the Link between Urban Form, Street Connectivity, Roadway Design, and Pedestrian Safety” TransNow University Transportation Center and Oregon Department of Transportation. (Funded, then forwarded to OTREC where it was not funded), \$59,535
- Maier, D., Bertini, R.L., and Monsere, C. “SEI: Data Stream Querying for Intelligent Traffic Systems,” proposal submitted to the National Science Foundation, \$415,758, December 2004. (Unfunded)

Honors

- Best Section Website, Oregon Section of ITE, 2007 (webmaster for section)
- Excellence in Community-Based Research Civic Engagement Award (w/ R.L. Bertini), PSU, May 2006
- Young Professional Achievement Award, District 6 ITE (Western United States), 2005
- Young Transportation Engineer of the Year, Oregon Section of ITE, 2005
- Excellence Award, Oregon Department of Transportation, 2001
- Trailblazer Award, American Association of State Highway and Transportation Officials, 2000
- Student of the Year, Region 7, University Transportation Centers Program, 1999
- Tau Beta Pi, Engineering Honor Society, 1997
- Graduate Student of the Year, Mid-America Transportation Center, 1996
- Premium for Academic Excellence Award, Iowa State University, 1995
- Engineering and Science Key Award, University of Detroit Mercy, 1995
- Elihu Geer Scholastic Achievement Award, University of Detroit Mercy, 1995
- Chi Epsilon, Civil Engineering Honor Society, 1993
- Insignis Academic Scholarship, University of Detroit Mercy, 1991-1995

Fellowships

- Eno Foundation Fellow, Eno Center for Transportation Leadership Development, 1997
- Dwight David Eisenhower Graduate Fellowship (\$70,000), National Highway Institute, U.S. Department of Transportation, 1998–2000
- Dwight David Eisenhower Graduate Fellowship (\$40,000), National Highway Institute, U.S. Department of Transportation, 1996-1998

OTHER RESEARCH AND CREATIVE ACHIEVEMENTS

- Monsere, C., M. Mahmud. “Brief Study of Crashes on Shoulders of Portland Area Freeways” April 2007. (Unfunded)
- Monsere, C. E. Qureshi, J. Baglien. “Identifying Truck Rollover Locations” Portland State University, Center for Transportation Studies, Research Memo, October 2004. (Unfunded work for DaimlerChrysler Freightliner).

Souleyrette, R. Monsere. C. Federal Transportation Data Workbooks for Transportation Planning.
 Center for Transportation Research and Education, Iowa State University, Ames, Iowa. July 1999.
 Proposal. (Unfunded)

TEACHING, MENTORING AND CURRICULAR ACHIEVEMENTS

Teaching

Portland State University

- Urban Transportation Systems (CE454 – required undergraduate)
 - Fall 2007 (49 students)
 - Fall 2006 (43 students)
 - Fall 2005 (33 students)
- Transportation Safety Analysis (CE 450/550), formerly CE410/510
 - Spring 2008 (17 students)
 - Spring 2007 (14 students)
 - Fall 2005 (8 students)
 - Fall 2004 (11 students)
 - Spring 2003 (12 students)
- Freight Transportation and Logistics (CE 453/553), formerly CE410/510
 - Winter 2007 (18 students)
 - Winter 2006 (10 students)
 - Winter 2005 (12 students)
 - Spring 2004 (4 students), co-taught with R. Bertini
- Benefit Cost Analysis for Transportation Projects (CE 407/507)
 - Spring 2007 (11 students)
 - Spring 2006 (8 students)
 - Spring 2005 (8 students)
 - Spring 2004 (8 students)
- Transportation Seminar (CE 407/507)
 - Spring 2007 (6 CEE students), typical attendance 30+ including professionals
 - Winter 2007 (6 CEE students)

Iowa State University

- Introduction to Transportation Engineering (CE 352)
 - Spring 1997 (Teaching Assistant, 43 students)
 - Spring 1998 (Teaching Assistant, 37 students)
 - Spring 1999 (Teaching Assistant, 38 students)

Evaluations (scale 1-5, 1 being “best”)

Course	Students	Evaluations	Stimulates my interest	Helpful attitude	Overall teaching effectiveness
<i>Urban Transportation Systems (CE454 – required undergraduate)</i>					
Fall 2007	44	39	1.95	1.38	1.82
Fall 2006	42	28	1.78	1.26	1.44
Fall 2005	33	23	2.17	1.43	1.87

<i>Transportation Safety Analysis (CE 450/550), formerly CE410/510</i>					
Spring 2008	17	13	1.88	1.13	1.63
Spring 2007	14	14	1.15	1.15	1.08
Fall 2005	8	3	1.33	1.00	1.33
Fall 2004	11	9	1.20	1.00	1.30
Spring 2003	12	6	2.50	1.50	2.00
<i>Freight Transportation and Logistics (CE 453/553), formerly CE410/510</i>					
Winter 2007	18	14	1.13	1.07	1.07
Winter 2006	10	9	1.50	1.22	1.50
Winter 2005	12	1	1.00	1.00	1.00
Spring 2004, co-taught with R. Bertini	4	3	1.67	1.67	1.33
<i>Benefit Cost Analysis for Transportation Projects (CE 407/507)</i>					
Spring 2007	8	8	1.00	1.00	1.00
Spring 2006	8	0	-	-	-
Spring 2005	8	4	1.25	1.25	1.25
Spring 2004	8	3	1.00	1.67	1.67
Average			1.47	1.26	1.40

Graduate Committees

Ph.D. Dissertation Advisor

Nick Fortey, Oregon State University (Co-advisor with Karen Dixon, OSU)

Ph.D. Dissertation Committee Member

Roger Lindgren, Ph.D. Candidate, Civil and Environmental Engineering, “Analysis of Flow Features in Queued Traffic on a German Freeway,” (added in Summer 2004)

M.S. Thesis Committee

Michael Wolfe, “The Effects of Data Aggregation on Measuring Arterial Performance” M.S. Thesis, Portland State University, 2009

Craig Warden, “Geographic Analysis of Hazardous Material Road Accidents in Oregon” M.S. Geography, Portland State University, 2007

Lynn Peterson, Ph.D. Student, Civil and Environmental Engineering, “Sub-Area Transportation System/ Land Use Scenario Modeling,” 2004–present

Field Area Paper (Master’s in Urban and Regional Planning), Second Reader

Delia Chi, “Safety Effectiveness of Marked Crosswalks”, Portland State University, August 2007

M.S. Project Supervisor

Maisha Mahmud, Civil and Environmental Engineering, Portland State University, “VISSIM Analysis of Truck Priority” March 2007

Jaspreet Anad, Civil and Environmental Engineering, Portland State University, “WIM Overweight Analysis” March 2007

Zach Horowitz, Civil and Environmental Engineering, Portland State University, “Directional Running in the Columbia Corridor” June 2007

****MS Project won the 2008 Council of University Transportation Center’s (CUTC) Parker Award for Outstanding Non-thesis Masters Degree Paper in Policy and Planning.

Suman Tasnim, Civil and Environmental Engineering, Portland State University, “Incident Data Analysis” March 2007

Thareth Yin, Civil and Environmental Engineering, Portland State University, “Effects of Highway Illumination Reduction On Highway Safety Performance” June 2005

M.S Project Committee Member

Cam Grile, Civil, Construction, and Environmental Engineering, Oregon State University, “Programming Safety Improvements on Pavement Resurfacing, Restoration, and Rehabilitation Projects” June 2003

Mentoring and Advising

Research Supervisor

Lisa Dierksen, M.S., Civil and Environmental Engineering, 2007–present
*Rolando Melgozza, M.S., Civil and Environmental Engineering, 2008–present
Heba Alwakiel, M.S., Civil and Environmental Engineering, 2008–present
*Alex Bigazzi, B.S., Civil Engineering, 2007–2008
*Josh Crain, B.S., Civil Engineering, 2007–present
Chengyu Dai, B.S., Civil Engineering, 2007–2008
+Myeonwoo Lim, M.S., Computer Science, 2008–present
*Benjamin Auffray, Visiting Scholar, L'école nationale des travaux publics d'Etat (ENTPE), France, 2006–present
*Max Stephens, B.S., Civil Engineering, 2006–2007
*Michael Wolfe, M.S., Civil and Environmental Engineering, 2006–present
*Oren Eshel, MURP, Urban Studies and Planning, 2006–present
Maisha Mahmud, M.S., Civil and Environmental Engineering, 2006–present
Sandeep Puppala, M.S., Civil and Environmental Engineering, 2006–present
*Enas Fayed, M.S., Civil and Environmental Engineering, 2007–present
*Huan Li, M.S., Civil and Environmental Engineering, 2007–present
Delia Chi, MURP, Urban Studies and Planning, 2005–2007
Kartik Srinavas, MURP, Urban Studies and Planning, 2005–2006
Suman Tasnim, M.S., Civil Engineering, 2005–2007 (*Washington DOT, Vancouver*)
*Zach Horowitz, M.S., Civil Engineering, 2005–2007 (*David Evans and Associates*)
Kate Lyman, MURP, Urban Studies and Planning, 2005–2007 (*URS Corp, Portland OR*)
*Max Coffman, MURP, Urban Studies and Planning, 2005–2007 (*USDOT, Washington D.C*)
*Matthew Dorado, B.S., Civil Engineering, 2004–2007 (*Group MacKenzie, Portland, OR*)
*Aaron Breakstone, MURP, Urban Studies and Planning, 2005–2006 (*Metro, Portland, OR*)
Thareth Yin, M.S., Civil Engineering, 2004–2005 (*City of Portland, PDOT, Portland, OR*)
David DeLaHoussye, MURP, Urban Studies and Planning, 2004
Peter Bosa, MURP, Urban Studies and Planning, 2004–2006 (*Metro, Portland, OR*)
Erin Wilson, MURP, Urban Studies and Planning, 2004–2006 (*Parsons Brinkerhoff, Portland OR*)
Amber Springberg, MURP, Urban Studies and Planning, 2004–2006 (*Bureau of Development Services, Portland OR*)
Erin Quershi, B.S., Civil Engineering, 2004–2007 (*New York City*)
Tom Moes, MURP, Urban Studies and Planning, 2004–2005
Casey Nolan, MURP, Urban Studies and Planning, 2004–2005
Jacob Baglien, B.S., Civil Engineering, 2004–2005

Matt Lasky, MURP, Urban Studies and Planning, 2004–2005

Carolyn Bonner, MURP, Urban Studies and Planning, 2004 (*Bend, OR*)

* Jointly with R.L. Bertini

+ Joint with M. Figliozzi

Student Organization

Advisor, Chi Epsilon National Civil Engineering Honor Society Student Chapter, 2008–present

Advisor, Civil Engineering Honor Society Student Chapter, 2006–2008

Advisor, Institute of Transportation Engineers (ITE), Student Chapter, 2004–present

- Traffic Bowl, Troutdale, Oregon (8 students) November 18, 2004
- Data collection RFP competition winner (\$2,000), January, 2005
- Data collection RFP competition winner (\$1,000), November, 2005
- Data collection RFP competition winner (\$1,000), January, 2006

Student Chapter Committee Chair, Institute of Transportation Engineers (ITE), Oregon Section, 2000-2004

Continuing Education

Light Rail Transit Systems Contracting and Constructability Short Course, Portland, October 17–19, 2005

Light Rail Transit Systems Design Short Course, Portland, May 16–18, 2005 (37 participants, Course Organizer)

Light Rail Transit Facility Design Short Course, Portland, September 13–15, 2004 (34 participants, Course Organizer)

Safety Analysis and Evaluation, Oregon State University, Corvallis, Oregon, May 25-26, 2004 (16 participants, Instructor)

Curriculum Development

New Courses

Transportation Case Histories

Introduction to Transportation Research Methods

Transportation Safety Analysis

Freight transportation and logistics (w/ R.L. Bertini first year)

Seminar: Benefit Cost Analysis

Other

Developed co-seminar with the University of Idaho via teleconference in Fall 2006. Alternated seminars between campuses

Lab Development

Traffic Signal lab – Secured donations for equipment, funding from PSU ORSP to integrate technology, and wrote proposal to Dean’s office for new hardware.

COMMUNITY OUTREACH ACHIEVEMENTS

Co-organizer of Friday Transportation Seminar, weekly presentations on topics from outside speakers.

Typical attendance includes students, professionals and faculty. 2003-present.

Meetings with various Congressional staff members as requested. 2003-present.

Bertini, R.L., Berkow, M., Wolfe, M., Monsere, C. “*Arterial Performance*” Webinar with City of Chicago and Chicago Transit Authority, March 6, 2009.

Panel reviewer “Teen Triple Threat” for Sheriff Roberts and the Board of County Commissioners. March 13, 2008.

Hosted tour of “Intern Jamboree”, 15 students, July 27, 2007

Hosted Oregon Urban Leadership Program Students from Catlin Gabel School (w/ R.L. Bertini), July 2007

Hosted ITS Lab Tour for ITE District 6 Annual Meeting, 50 attendees (w/ R.L. Bertini), July 16, 2007

Hosted Oregon Section of ITE in ITS Lab, 40 attendees, February 27, 2007

Presentation to APWA Annual Meeting, Pendleton, OR on “New University Transportation Center”, October 2006

Hosted Northwest Academic Forum Meeting Tour of ITS Lab and OTREC (w/ R.L. Bertini), April 27, 2007

Presentation to 3rd grade class, “Portland Bridges and Transportation”, McKinley Elementary, Beaverton, Oregon, June 1, 2006

Hosted Women's Transportation Seminar (WTS) Members tour of new ITS Lab, (w/ R.L. Bertini), April 27 2006

Session Moderator, “Main Streets with Relatively High Crash Rates”, Transportation Safety Summit, City of Portland, October 3, 2005.

Presentation to first grade class, “Understanding mapping and navigation”, McKinley Elementary, Beaverton, Oregon, March 17, 2005

Innovation Celebration, Exhibit and Research Display, Portland Business Alliance and Sense Northwest, November 17, 2004

Attendance and representation of University at Metro Joint Policy Advisory Committee on Transportation (JPACT) and Transportation Policy Alternatives Committee (TPAC), 2004–present

Guest Lecturer, Technical Session, Oregon Department of Transportation Region 1 Design, Portland, Oregon, September 1, 2004

Open Meadow Alternative High School, program, Corps Restoring Urban Environments (C.R.U.E.) Program, transportation lab and field data collection, April 6, 2004.

Quoted in *Streetwise*, Kittelson and Associates, Inc. Company Newsletter, Winter 2004

Media Outreach

Quoted in Gresham Outlook / Portland Tribune “Can you drive 55?” Portland, Oregon, July 22, 2008

Quoted in Portland Tribune “City wants faster tows” Portland, Oregon, April 24, 2007

Featured in news story “High rate of car crashes” KATU-TV Channel 2 Portland, Oregon, May 10, 2006

Quoted in Portland Tribune “Crash stats stump transit experts” Portland, Oregon, May 9, 2006

Quoted in the Oregonian, “Wreck ripples into mass traffic jam,” December 9, 2004.

Quoted in the Oregonian, “Going Slow on Speed Change,” September 8, 2004.

Interviewed by KINK 102 FM Radio, September 7, 2004. (primary interviewee R. L. Bertini)

SCHOLARLY WORKS IN PROGRESS

Horowitz, Z., C. Monsere. “Freight Railroad Capacity Alternatives in the Pacific Northwest: An Analysis of Class I Cooperation in the Columbia River Corridor”

Berkow, M., Chee, J., Bertini, R.L. and Monsere, C., “Transit Performance Measurement and Arterial Travel Time Estimation and Using Archived AVL Data.”

- Monsere, C., A. El-Geneidy, M. Coffman, R.L. Bertini “Measuring the Effectiveness of Automated Speed Enforcement in Portland, Oregon.”
- Monsere, C., K. Lyman, J. Wish. “Motor Vehicle Crash Fatalities and Injuries: An Analysis of the Relationship of Roadway, Driver, Vehicle, and Emergency Medical Services in Oregon Counties.”
- Monsere, C., K. Lyman, E. Wilson. “A Methodology for Evaluating the Feasibility of Enhancing Traffic Records Processing in Oregon with Electronic Automation.”
- Monsere, C., Souleyrette, R. and T.H. Maze. “Field Validation of a GIS-based multi-commodity freight model”

SIGNIFICANT PROFESSIONAL DEVELOPMENT ACTIVITIES

- Transportation Research Board, Annual Meetings, Washington, D.C., 1997–present
- Oregon Traffic Safety Conference, Annual Meetings, 2000, 2001, 2002, 2003, 2004, 2005
- Mid-Year Meeting, Transportation Research Board Task Force for the Development of the Highway Safety Manual, Irvine, California. August 20-22, 2008
- Institute of Transportation Engineers Annual Meeting, Anaheim, California. August 17-20, 2008
- North American Travel Monitoring and Exhibition Conference, Washington D.C., August 6-8, 2008.
- Mid-Year Meeting, Transportation Research Board Task Force for the Development of the Highway Safety Manual, Irvine, California. August 19-22, 2007
- Institute of Transportation Engineers District 6 Annual Meeting, Portland, Oregon. July 15-18, 2007
- International Forum on Traffic Records and Highway Safety Systems. Palm Desert, California, July 31-August 3, 2006.
- North American Travel Monitoring and Exhibition Conference, Minneapolis, Minnesota, June 4-7, 2006.
- Institute of Transportation Engineers, Quad Conference, Bellevue, WA. April 17-18, 2006
- Institute of Transportation Engineers District 6 Annual Meeting, Kalispell, Montana. July 10-13, 2005
- Mid-Year Meeting, Transportation Research Board Task Force for the Development of the Highway Safety Manual, Chicago, Illinois. June 26-29, 2005
- Institute of Transportation Engineers, Quad Conference, Vancouver, B.C. April 8-9, 2005
- Mid-Year Meeting, Transportation Research Board Task Force for the Development of the Highway Safety Manual, Portland, Oregon. June 28-30, 2004
- Institute of Transportation Engineers, Quad Conference, Portland, Oregon. April 23-24, 2004
- Institute of Transportation Engineers Annual Meeting, Seattle, Washington. August 24-27, 2003
- Mid-Year Meeting, Transportation Research Board Task Force for the Development of the Highway Safety Manual, Woods Hole, Massachusetts. June 2-4, 2003
- Northwest Transportation Training and Education and Training Alliance (NWTTEA) Traffic Operations Workshop, Portland, Oregon. September 12, 2002.
- Traffic Records Forum, Orlando, Florida. August 4-7, 2002
- Moving Forward, Taking Action Conference, Hood River, Oregon, May 2-3, 2002
- Institute of Transportation Engineers, Quad Conference, Seattle, Washington, April 8-9, 2002
- Mid-Year Meeting, Transportation Research Board Geometric Design Committees, Portland, Oregon, July 26-28, 2001
- Mid-continent Transportation Symposium, Iowa State University, Ames, Iowa. May 15-16, 2000
- Crossroads 2000 Transportation Conference, Ames, Iowa. August 19-20, 1998
- Eno Foundation Leadership Development Conference, Washington, D.C.. May 1998
- Intelligent Transportation Society of America 8th Annual Meeting, Detroit, Michigan. May 4-6, 1998

Semi-sesquicentennial Transportation Conference, Ames, Iowa. May 13-14, 1996

GOVERNANCE AND OTHER SERVICE FOR THE UNIVERSITY, COLLEGE AND DEPARTMENT

University

Intercollegiate Athletics Board, 2008-09 Academic Year
Traffic Appeals Board, Chair, 2006-07, 2007-2008 Academic Years
School of Urban Studies and Planning, Portland State University, Transportation Faculty Member search, active participant, March 2006
Traffic Appeals Board, Faculty Member, September 2005-2006
Affiliate Faculty Status, School of Urban Studies and Planning, Portland State University, Approved by faculty vote May 2005.
School of Business Administration, Supply and Logistics Management Faculty Search, Informal meetings with 4 candidates, February 2005.
Review of Freeway Destination Signing for Portland State University, submitted to Cassie McVeety, Vice President University Relations (with R.L. Bertini and J. Baglien)
ITS Lab Tours, President's Reception for Close of "Building Our Future", September 20, 2006
Host Fall Preview Day, Prospective Engineering Students, Nov 8, 2008
Spring Commencement Marshal, 2008
Spring Commencement Marshal, 2007
Spring Commencement Marshal, 2006
Spring Commencement Marshal, 2005
Spring Commencement Marshal, 2004
Transportation Policy Advisor, 2004-present

College

Maseeh College of Engineering and Computer Science held the first annual Engineering Discovery Showcase on Friday May 19, 2008
Open House for Prospective Undergraduate Students, Laboratory Tours, 2006
Open House for Prospective Undergraduate Students, Laboratory Tours, 2004

Department

Host Fall Preview Day, Prospective Engineering Students, Nov 8, 2008
Supervise and assist with revisions to departmental website, 2007-2008
Organizing Member, First Annual Departmental Awards Dinner, May 22, 2008
Chi Epsilon, National Civil Engineering Honor Society, Faculty Advisor, 2008-present
Transportation Graduate Admissions Chair, 2006-07 Academic Year
Civil and Environmental Engineering, Transportation Faculty Search Committee, Spring 2006.
Civil Engineering Honor Society, Faculty Advisor, 2006-2008
Curriculum Subcommittee, 2006
Transportation Graduate Program Reviewer, 2004-present
Institute of Transportation Engineers (ITE) Student Chapter Advisor, 2004-present
Civil Engineering Honor Society Advisor, 2006-present

PROFESSIONAL SERVICE

Committee Membership and Activities

Community and Scholl Traffic Safety Partnership, Coordination Council, 2005-present

Portland Freight Committee, 2005-present (limited activity)

Oregon Highway Cost Allocation Study, Review Team Panel Member, 2004-2005

Institute of Transportation Engineers

- Publicity Chair, Local Arrangement Committee District 6 2007 Meeting, 2004-2007
- Faculty Advisor, Portland State University Student Chapter, 2004-present
- Webmaster, Oregon Section, 2000-2007
- Student Chapter Committee Chair, Oregon Section, 2000-2004
- Vice-President, Iowa State University Student Chapter, 1997-1999

Transportation Research Board

- Independent Review Group for Chapter 9 of the Highway Safety Manual (1 of 3 members requested by TRB, National Academy of Sciences)
- ANB25T -Task Force for the Development of Highway Safety Manual
 - Task Group Chair, Chapter 6 Special Geometric Facilities, (October 2006-present)
 - Young Member (May 2005 – April 14, 2008)
 - Member (April 2003 – May 2005)
 - Local Arrangements Chair, Mid-Year Meeting, Portland, Oregon, June 28-30, 2004
- ANB20 - Transportation Safety Data
 - Member (April 2005 – April 14, 2008)
- ABJ35 – Highway Traffic Monitoring Weigh-in-Motion Subcommittee
 - Friend of committee
- ABJ90 - Freight Transportation Data
 - Friend of committee
- ATO15 -Freight Transportation Planning
 - Friend of committee

Oregon Department of Transportation, Research Selection – Expert Task Group

- Traffic Safety and ITS, 2006-present

Oregon Department of Transportation, Research Technical Advisory Committee

- Update to Oregon DOT Crash Reduction Factors, 2003-2004
- Performance Measures, 2003-present
- Speed Countermeasures, 2003-2004

National Highway Cooperative Research Program

- Panel Member, Project 20-58 (2), Detailed Planning for Research on Making a Significant Improvement in Highway Safety, 2002-2003
- Member of Lead State Review Team, Project 17-18(3), Guidance for Implementation of the AASHTO Strategic Highway Safety Plan, 2001-2002
- Lead State Representative, Project 17-18(3), Guidance for Implementation of the AASHTO Strategic Highway Safety Plan, 2003

Journal Article and Paper Review

Transportation Safety and Security, Editorial Board, 2007–present

Transportation Research Record, Journal of the Transportation Research Board (34 papers), 1997–present

Natural Sciences and Engineering Research Council of Canada, Strategic Projects Program, Grant Proposal Review, August 2005

8th International IEEE Conference on Intelligent Transportation Systems Submission (1 paper), March 2005

Northwest Journal of Business and Economics (1 paper), May 2005

Other Service

Oregon Department of Transportation, Traffic Safety Scan for Missouri DOT, June 2006

Oregon Department of Transportation, Traffic Records Assessment Interview, April 5, 2006

City of Portland, Review Team Member, Willamette River Ferry Feasibility Study, January 2006

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Institute of Transportation Engineers (inactive)

Tau Beta Pi, Engineering Honor Society

Chi Epsilon, Civil Engineering Honor Society

American Society of Civil Engineers (inactive)