

curriculum vitae

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

Vice Provost for Faculty Success

Professor, Department of Civil and Environmental Engineering

Portland State University

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EXECUTIVE SUMMARY

Dr. Monsere has served in academic leadership positions for the past 10 years, with increasing scope and responsibility at Portland State University. He is currently the Vice Provost for Faculty Success. In the role since Fall 2023, he has made improvements to promotion and tenure dossier management, led leadership development for department chairs and assistant and associate deans, managed employment relations for nearly 2,500 academic employees, and guided the overall strategy for collective bargaining and all grievance responses. Previously, Dr. Monsere served as the Associate Dean for Academic Affairs at the Maseeh College of Engineering and Computer Science from 2021 to 2023, where he oversaw curricular and accreditation standards, managed faculty hiring, promotion, and tenure processes, coordinated faculty development initiatives, and assisted with student success initiatives. Dr. Monsere also served as chair of the Department of Civil and Environmental Engineering from 2014 to 2021, where he led 18 faculty members and four staff members in a department with 400 majors and annual departmental research expenditures of around \$3 million per year.

As a faculty member and scholar, Dr. Monsere's research focuses on improving traffic safety and design, especially for those bicycling and walking. Cumulatively, this body of research has informed changes in national design guidance and provided evidence that cities throughout the U.S. have needed to improve safety and implement new designs. He has collaborated on nearly \$6.6 million in externally funded research as PI or co-PI. He is the author or co-author of 48 peer-reviewed journal articles, 28 peer-reviewed conference papers, and 53 reviewed technical reports. Dr. Monsere is also a dedicated educator and mentor. He was recognized by the Western District of the Institute of Transportation Engineers (ITE) as its Outstanding Transportation Educator in 2020. Many of his former students are leaders in the field, working as transportation engineers or planners at public agencies and private consulting firms or as university faculty. Dr. Monsere has served on many departmental, college, and university committees, including a member of the PSU Faculty Senate from 2015 to 2018. He was recognized with the Branford P. Millar Award for faculty excellence at PSU in June 2022. Professionally, he has been heavily engaged in the Transportation Research Board (TRB), a branch of the National Academies of Sciences. He co-chaired the TRB committee on Safety Data, Analysis, and Evaluation for 6 years and currently serves on the Bicycle Transportation Committee. Dr. Monsere is a licensed professional engineer in the state of Oregon.

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, <i>summa cum laude</i>

ADMINISTRATIVE APPOINTMENTS

2023-present	Interim Vice Provost for Faculty Success, Portland State University. Portland, Oregon
2021-present	Associate Dean for Academic Affairs, Maseeh College of Engineering and Computer Science. Portland State University. Portland, Oregon
2015-2021	Department Chair, Civil and Environmental Engineering. Portland State University. Portland, Oregon
2014-2015	Acting Department Chair, Civil and Environmental Engineering. Portland State University. Portland, Oregon
2013-2014	Associate Department Chair, Civil and Environmental Engineering. Portland State University. Portland, Oregon

FACULTY APPOINTMENTS

2018-present	Professor, Civil and Environmental Engineering. Portland State University. Portland, Oregon
2012-2018	Associate Professor, Civil and Environmental Engineering. Portland State University. Portland, Oregon
2006-2012	Assistant Professor, 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

INDUSTRY APPOINTMENTS

2000-2004	Highway Safety Engineer, Oregon Department of Transportation. Salem, Oregon
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SELECTED HONORS AND AWARDS

- Branford P. Millar Award for Faculty Excellence, Portland State University, June 2022.
- Outstanding Transportation Educator, Western District of ITE, July 2020
- PI on AASHTO's "Sweet Sixteen" High-Value Research Project "Operation Guidance for Bicycle Specific Traffic Signals" (co-PI Miguel Figliozzi), August 2015
- Co-PI on AASHTO's "Sweet Sixteen" High-Value Research Project "Evaluation of Innovative Bicycle Facilities in Washington D.C." (co-PI Jennifer Dill, project lead J. Parks, Kittelson and Associates, Inc.), August 2013.
- Researcher of the Year, Oregon Transportation Research and Education Consortium, September 2011
- Instructor of the Year, Civil and Environmental Engineering (student selection), 2009 and 2011
- Excellence in Community-Based Research Civic Engagement Award (w/ R.L. Bertini), Portland State University, May 2006
- Registered Professional Engineer, Oregon License 74673PE, First Licensed July 13, 2004

ACADEMIC LEADERSHIP

Vice Provost for Faculty Success, Portland State University Interim Fall 2023 – Spring 2025, Spring 2025-present

Portland State University (PSU) is Oregon's largest urban university, enrolling over 22,000 students. PSU's 10 schools and colleges offer 123 undergraduate majors and 117 graduate programs. Key responsibilities for the Vice Provost include developing pathways and support programs for faculty success, including leadership development for department chairs and assistant and associate deans. The VP also coordinates and manages the promotion and tenure process. The VP leads employment relations and overall strategy for collective bargaining and grievance responses for nearly 780 tenure and non-tenure faculty, 380 academic professionals, 680 adjunct faculty, and 490 graduate employees.

Faculty Success & Leadership Development

- Developed plans for cohort-based early faculty training and facilitated teaching skill development. The planned modules, to be implemented starting Winter 2025, will include teaching, research, and promotion and tenure overviews in a year-long program.
- Developed and began delivering a series of training modules for new and returning department chairs: an introductory overview of the chair's roles and responsibilities (September 2024), promotion and tenure (November 2024), leadership and conflict management (March 2025), and performance management (April 2025).
- Led the implementation of the new chair stipend and appointment process to standardize and improve university equity in stipends and create flexibility in summer appointments. Implementation included coordinating review and input by deans, assistant and associate deans, department chairs, and human resources stakeholders and developing all forms.
- Worked with the Associate Vice Provost for Academic Innovation to facilitate continued opportunities to develop teaching skills for faculty.
- Led monthly Assistant and Associate Dean's Meetings and quarterly Academic Professional Supervisors meetings.
- Led completion of "Academic Freedom Resources" posted on the OAA website after incorporating stakeholder comments.

Promotion and Tenure & Governance Documents

- Together with the Associate Vice Provost & Special Advisor to the Provost, standardized the submission of P&T cases to OAA and updated various related files such as Dean's checklists, Faculty Improvement Plans (FIP), and Professional Development Plans (PDP) templates. Ongoing work with the Faculty Senate on updating the University PT Guidelines with the Faculty Senate.
- Completed NTTF promotion reviews annually as the Provost's designee.
- Updated and improved OAA information posted on the website for "Academic Personnel" to enhance the presentation of the material posted, including removing old and outdated material.
- Provided input and consultation on various questions and concerns from departments and Dean's offices.

Academic Employee Labor Relations

- Supervised and managed the Director of Academic Employee Labor Relations, Academic Labor Relations Specialist, and the Special Advisor to the Academic Labor positions.
- Advised the Dean's Council and the Executive Council and labor relations and contract interpretation.
- Attended Labor Management Committee meetings for all three academic unions, established a collaborative problem-solving approach, and resolved numerous issues.
- Coordinated and managed the AELR team's responses to all grievances.

- Served as co-lead for the 2024 GEU limited economic reopener. Reached an agreement in December 2024.
- Serving as co-lead for the AAUP full contract negotiations. Reached an agreement in April 2025.
- Serving as co-lead for the PSUFA full contract negotiations that began in February 2025.
- Serving as co-lead for the GEU full contract negotiations that begin in February 2026.
- Negotiated the Retirement Incentive Offer program and, together with Associate Vice Provost & Special Advisor to the Provost and Human Resources, led the campus-wide implementation of the program.

Other

- Represented the faculty perspective on the Classroom Experience project (a project to develop consistent University student course evaluations that minimize bias), the RGS F&A Task Force, the Presidential Task Force for Improving Dialog, served as co-chair for the academic freedom subcommittee, and as OAA representative on the Incident Management Team (IMT).

Associate Dean for Academic Affairs, Maseeh College of Engineering and Computer Science, Portland State University

Fall 2021- 2023*

The Maseeh College enrolls approximately 2,700 (undergraduate and graduate) in five departments (electrical and computer engineering, mechanical and materials engineering, civil and environmental engineering, computer science, and engineering and technology management) and employs approximately 130 faculty members. Key responsibilities include overseeing curricular and accreditation standards, managing faculty hiring, promotion, and tenure processes, coordinating faculty development initiatives, enrollment management, and student success initiatives.

**in 2023, 0.2 FTE, in 2024 0.1 FTE*

Accreditation & Curriculum Management

- Managed the successful 2023 ABET accreditation cycle for the college, including coordinating, drafting, and completing the common chapters for the self-study report and working with departments to ensure compliance with the Accreditation Policy and Procedures Manual (APPM). Planned and scheduled the in-person visit and 30-day responses for programs.
- Managed the college curriculum committee and made the final review and approval of curricular proposals for the Dean. Processed the CS BS and Minor program change to ensure compliance with the HECC requirement for the Major Transfer Map.

Student Affairs & Recruitment

- Co-led the planning and hosting the annual community college event, which brings together faculty, advisors, and department chairs from Maseeh College units and key community college partners.
- Organized Maseeh College participation in Portland's Engineers Week, organized and arranged EMSA recruiting for interested and admitted students, arranged for all Maseeh College tours this academic year (virtual and in-person), and gave tours to many external groups (Girls Inc, Reynolds Middle School, Clackamas Community College).
- Improved the distribution of remission dollars by re-branding them as the "Dean's Resilience Fund" and coordinating an individualized email to students with the award.
- Programmed and held annual training for all Maseeh College new and returning teaching assistants.
- Supervised the Director of Career Services, who provides many career-related resources and support for students, including the college's internship programs.

Faculty Development & Hiring

- Revised and enhanced the college's tenure track faculty search policy and drafted a non-tenure track faculty search policy.
- Managed the hiring process for eight tenure track and three non-tenure track faculty, including editing search posting and language, HR approval process, drafting and editing of all offer letters, salary negotiations, Dean approval, OAA approval, and candidate signing. Participated in all of the interviews with all candidates.
- Revised the tenure track faculty search policy with the objective of developing diverse pools of candidates and improving consistency and transparency of the search process.
- Organized Maseeh College faculty to participate in OAA Focus Groups on DEI Gaps in Courses and Embedded Tutors.

Promotion and Tenure & Governance Documents

- Developed a consistent P&T, PCAR, and PTR dossier submission process for the Maseeh College for departments and candidates.
- Developed the Dean's Advisory Committee rules and procedures to improve transparency and clarity for faculty under review.
- Managed the P&T, 3rd Year reviews, PTR, and PCAR, including drafting of initial review letters and communications with candidates, OAA, and others in the process.

General Administration

- Managed the David E. Wedge Faculty and Staff Excellence awards to recognize excellence in teaching, staff excellence, and diversity and inclusion activities.
- Helped manage the college submission of ASEE Profiles and US News and World Report rankings data. Improved the quality of the college's responses to many narratives.
- Revised and reorganized the Maseeh College website to improve the information presented to potential students.
- Participated in searches to fully staff the Dean's Office: Dean's Executive Assistant, Communication Manager (Search committee chair), Assistant Dean for Finance (Search committee chair)

University Service

- Represented the department on the University's bargaining team for the limited economic contract reopener for the PSUFA contract (2020).
- Served as the Maseeh College's University Studies (General Education) Council representative.
- Represented the Maseeh College on the Classroom Experience project (a project to develop consistent University student course evaluations that minimize bias).

Department Chair, Civil and Environmental Engineering, Portland State University

Fall 2015- Fall 2021

The department has approximately 400 majors (undergraduate and graduate) in five degree programs, 18 faculty members, and four staff members. The annual departmental research expenditures are around \$3M per year (typically among the highest of the academic units at PSU). Key responsibilities include strategic and leadership planning, assigning faculty teaching, managing undergraduate degree program accreditation, making final decisions on admissions and course substitutions, leading fundraising and community outreach efforts, managing departmental space, presiding over faculty meetings, and overseeing faculty recruitment, hiring, and promotion, and working with the CEE Advisory Council, an external group of professionals and departmental supporters.

Strategic Planning & Leadership

- Worked with faculty to develop a comprehensive strategic vision for the department, aligning with college and university goals.
- Built and maintained strong relationships with colleagues, students, administrators, external partners, and industry stakeholders.
- Fostered a positive and inclusive departmental culture through open communication, collaboration, and recognition of faculty and staff achievements
- Led the successful application and planning to host the ASCE national department heads meeting at Portland State University (the conference was delayed by the pandemic, implemented by the subsequent department chair)
- Created and appointed associate chairs for graduate and undergraduate programs to recognize leadership and service to the department and to delegate authority for more efficient decisions.

Departmental Governance

- Worked with faculty to update the department's P&T Guidelines and Post Tenure Review Guidelines.
- Led a significant update to the department's bylaws (the existing documents were the chair election and a brief membership description). These bylaws have been used as models for other departments in Maseeh College.

Budget & Resource Management

- Effectively managed departmental budgets, ensuring financial sustainability and responsible allocation of resources.
- Prioritized professional development opportunities for staff.
- Participated in external funding requests with the support of the Dean's office.
- Revamped teaching assistant assignment process, securing more academic year appointments, enhancing student certainty, serving as a recruiting tool, and reducing staff hiring burdens.

Faculty Recruitment & Development

- Successfully recruited and hired multiple tenure-track and non-tenure-track faculty.
- Provided mentorship and support to early career faculty through regular meetings and professional development opportunities.
- Prioritized and allocated departmental funds for early career faculty to attend week-long intensive teaching workshops (ASCE ExCEED and ASEE NETI).
- Prepared and submitted nominations for PSU's internal awards including the President's Research Excellence Award (successful), Senior Faculty Research Excellence Award, Branford Price Millar Award (successful), George Hoffmann (successful), Adjunct Faculty Award (successful), NTTF Researcher of the Year, MCECS Researcher of the Year (twice successful).

Curriculum Management & Student Initiatives

- Successfully led the department through the 2018 ABET accreditation process, addressing all concerns and maintaining program accreditation.
- Developed and implemented new courses and modified the environmental engineering program curriculum to address emerging needs and expand the department's offerings.
- Streamlined and improved undergraduate and graduate advising processes.
- Developed and implemented a BS+MS Pathway program (with Associate Chair for Graduate Programs) to enhance student progression.

- Led the planning, design, and construction of departmental space to include a student lounge and a capstone design/team teaching room to improve student satisfaction and sense of belonging.
- Led developing and implementing a new 3+2 program with Pacific University for the civil and environmental engineering programs.
- Development of the JLU international partnership, including course articulations and admissions of the first cohort of students from China.

Maseeh College and University Service

- Developed and led the effort to renew the award process for faculty and staff recognition in the Maseeh College, leading implementation to recognize excellence in teaching and student service and improved departmental culture (the Wedge Awards).
- Represented the department on the University's bargaining team for the first Graduate Employee's Union (GEU) contract (2016-2018). Authored many of the key sections of the contract.
- Represented department chairs on the University's Compensation Committee, which led to the revised chair compensation model at PSU for greater equity across campus.
- Represented the department on the University's bargaining on the full contract reopener for the PSUFA contract (2019).

RESEARCH SUMMARY AND IMPACT

Dr. Monsere's research focuses on improving traffic safety for bicyclists and pedestrians, particularly by studying innovative designs. His work has provided critical evidence supporting the expansion of improved infrastructure across the U.S. and influenced national guidance. As PI or co-PI, he has collaborated on nearly \$6.6 million in research. He is the author or co-author of 48 peer-reviewed journal articles, 28 peer-reviewed conference papers, and 53 reviewed technical reports. He was PI on the first project in the United States to study separated bicycle facilities in six U.S. cities (Chicago, IL; Washington, DC, Austin, TX; Portland, OR; Memphis, TN; and San Francisco, CA). The project used video to evaluate safety and operations and surveyed users (bicyclists, drivers, and pedestrians) to assess attitudes, perceptions, preferences, use, and understanding of the new designs. His prior research on bike boxes and bicycle-specific traffic signals has informed national traffic control guidelines. His research has led to changes in design guidance and has been recognized by the American Association of State Highway and Transportation Officials (AASHTO) as two of his research projects were awarded the AASHTO Sweet Sixteen High-Value Research Projects—“Operational Guidance for Bicycle-Specific Traffic Signals” in August 2015 and “Evaluation of Innovative Bicycle Facilities in Washington DC” in August 2013.

A highlight of research activity measures and awards:

- \$6.6 million in externally funded grants (mostly as PI).
- 48 published peer-reviewed journal articles, 28 peer-reviewed conference papers, and 53 reviewed technical reports.
- h-index=28, 2,803 citations in Google Scholar, 40,414 downloads from across the globe in PDX Scholar, the PSU research archive (two paper items have been downloaded over 5,000 times).
- co-PI on two projects selected as high-value research projects by the American Association of State Highway and Transportation Officials (AASHTO).
- Numerous citations in recent design manuals on bicycle infrastructure (North American Association of City Transportation Officials and the Massachusetts DOT).

Sponsored Research at Portland State University

Year	Project Title	Sponsor	Role	Amount
2024	SPR 888 Evaluation of the Relationship Between Near Misses and Crash Outcomes at Intersections in Oregon (w Hurwitz, OSU)	Oregon DOT	Co-PI (Kothuri)	\$95,000
2023	SPR 877 Developing Guidance on Leading Pedestrian Intervals and Curb Extensions to Improve Pedestrian Safety at Signalized Intersections (w Hurwitz, OSU)	Oregon DOT	PI (co-I Kothuri)	\$90,000
2023	Division Transit Platform Evaluation	TriMet	Co-PI (McNeil)	\$89,000
2022	SPR 870 Evaluation of Placement Options for the R1-6a Sign	Oregon DOT	Co-PI (Kothuri)	\$185,000
2021	SPR 855 Removing Residual Lane Markings to Reduce Driver Confusion (w Hurwitz, OSU)	Oregon DOT	PI (PSU)	\$89,000
2020	Design Options to Reduce Turning Motor Vehicle – Bicycle Conflicts at Controlled Intersections	NCHRP (Prime: Toole Design Group)	PI (PSU)	\$175,000
2020	Safety Evaluation of On-Street Bicycle Facility Design Features	NCHRP (Prime: TTI)	PI (PSU)	\$100,000
2020	Updating the Highway Safety Investigation Manual for the Oregon Department of Transportation	Oregon DOT	PI (PSU)	\$48,277
2020	SPR 840 Safest Placement for Crosswalks at Intersections (w Hurwitz, OSU)	Oregon DOT	PI (PSU)	\$90,000
2020	Effect of Residential Speed Limit Reduction on Driving Speeds in Portland OR	Portland Bureau of Transportation	PI (PSU)	\$15,254
2019	Evaluation of Road User Comprehension and Compliance with Red-colored Transit Priority Lanes	Portland Bureau of Transportation/TriMet/Jacobs	PI (PSU)	\$165,000
2018	SPR 825 Bicycle Detection and Feedback Assessment (with S. Kothuri and D. Hurwitz (OSU)	Oregon DOT	PI (PSU)	\$83,715
2018	Road User Understanding of Bicycle Signal Faces	NCHRP	PI	\$100,000
2018	SPR 828 Reversing Oregon’s Rise in Deaths and Serious Injuries for Senior Drivers and Pedestrians (with S. Kothuri and D. Hurwitz (OSU)	Oregon DOT	PI (PSU)	\$97,103
2018	Update to the Interstate Speed Analysis	Oregon DOT	PI	\$10,000
2017	Bus-Bike Interaction (w/ M. Figliozzi)	National Institute for Transportation and Communities (NITC)	Co-PI	\$125,000
2017	SPR 814: Best Practices for Installation of Rectangular Rapid Flash Beacons (RRFB) With and Without Median Refuge Islands	Oregon DOT	PI (PSU)	\$176,000
2016	Wrong Way Driving in Oregon: Low-Cost Countermeasures and Recommendations	Oregon DOT	PI	\$37,000
2016	SPR 800: Quantifying the Performance of Low-Noise Rumble Strips (with Hurwitz, OSU)	Oregon DOT	PI (PSU)	\$68,000
2016	Contextual Guidance at Intersections for Protected Bicycle Lanes	National Institute for Transportation and Communities (NITC)	PI	\$250,000
2015	TOPR: Safety Reference Tool	FHWA sub-consultant to ICF International	PI (PSU)	\$65,000

Year	Project Title	Sponsor	Role	Amount
2015	SPR 789: Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon (with Hurwitz, OSU)	Oregon DOT	Co-PI	\$70,000
2015	Addressing Bicycle-Vehicle Conflicts with Alternate Signal Control Strategies (with Kothuri, Smaglik, NAU, Nordback)	National Institute for Transportation and Communities (NITC)	Co-PI	\$131,300
2015	Preparing Students for Writing in Civil Engineering Practice: Research-based Materials Development and Assessment	National Science Foundation	Contributor	\$6,645
2015	Improving Walking Conditions at Intersections with Traffic Signal Timing Strategies (with Kothuri and Smaglik, NAU)	NITC	PI	\$109,075
2014	SPR 767: Toward Effective Design Treatments for Right-Turns at Intersections with Bicycle	Oregon DOT	Co-PI	\$72,000
2014	Improving Adaptive Response Signal Control Performance: Implications of Non-Invasive Detection and Legacy Timing Practices (with Kothuri and Smaglik, NAU)	Oregon DOT	Co-PI	\$20,427
2014	SPR 778: Safety Effectiveness for Pedestrian Crossing Enhancements (with Figliozi)	Oregon DOT	Co-PI	\$130,000
2014	Risk Factors for Pedestrian and Bicycle Crashes (with H. Wang, OSU)	Oregon DOT	PI	\$82,984
2012	Bluetooth Validation	Oregon DOT	PI	\$12,000
2012	Lessons from the Green Lane: A Comprehensive Evaluation of Protected Cycling Facilities. Collaborator: J. Dill, K. Clifton, N. McNeil (PSU), M. Berkow (Alta) J. Parks (Consultant)	National Institute for Transportation and Communities (NITC) and Bikes Belong	PI	\$230,000
2012	Modeling and Analyzing the Impact of Advanced Technologies on Livability and Multimodal Transportation Performance Measures in Arterial Corridors. Collaborator: M. Figliozi (PSU)	National Institute for Transportation and Communities (NITC)	Co-PI	\$91,000
2012	Application of Interactive Video Sensing and Management for Pedestrian and Bicycle Safety Studies. Collaborator: M. Figliozi (PSU), W. Chi (PSU)	National Institute for Transportation and Communities (NITC)	Co-PI	\$143,057
2012	Design and Implementation of Pedestrian and Bicycle-Specific Data Collection Methods in Oregon. Collaborator: M. Figliozi (PSU)	Oregon DOT	Co-PI	\$137,000
2012	Developing Signalized Intersection Safety Performance Functions for a Variety of Approach Speeds Configurations	Oregon DOT	Co-PI	\$145,00
2012	Safety Impacts of Intersection Sight Distance	NCHRP (Prime: VHB Engineering)	PI	\$75,000
2011	Permanent Freight Data Collection Infrastructure and Archive System, Collaborator: D. Kim (OSU), D. Porter (OSU), K. Tufte (PSU)	Metro	PI / co-PI	\$179,460
2011	Innovative Bicycle Facility Research and Analysis, with N McNeil and J. Dill	District of Columbia DOT, subconsultant to Kittelson and Associates, Inc.	PI	\$63,783

Year	Project Title	Sponsor	Role	Amount
2011	Clean-up of Existing Data Sets to Support Dynamic Mobility Applications Development, Collaborator: K. Tufte (PSU)	US DOT	Co-PI	\$149,557
2011	Operational Guidance for Bicycle-Specific Traffic Signals, Collaborator: M. Figliozzi (PSU)	Oregon Transportation Research and Education Consortium & ODOT	PI	\$130,624
2011	Improved Pedestrian Safety at Signalized Intersections Operating the Flashing Yellow Arrow, Collaborator: D. Hurwitz (OSU)	Oregon Transportation Research and Education Consortium & Washington County	Co-PI	\$123,798
2010	City of Bend Data Management Plan	City of Bend	Research	\$5,000
2010	Evaluation of Innovative Bicycle Facilities	Portland Bureau of Transportation	PI	\$13,344
2010	Evaluation of Bike Boxes at Signalized Intersections: Phase 2	Oregon Transportation Research and Education Consortium & PBOT	PI	\$89,465
2010	Multimodal Data at Signalized Intersections: Strategies for Archiving Existing and New Data Streams to Support Operations and Planning	Oregon Transportation Research and Education Consortium	PI	\$73,223
2009	An Evaluation of Bike Signal Practices	Portland State University	PI	\$10,873
2009	Building Capacity to Measure and Model the Environmental and Public Health Impacts of Traffic Flows and Traffic Management Policies in Urban Areas, Collaborator: M. Figliozzi and L. George (PSU)	Miller Foundation	Co-PI	\$114,923
2009	Development of a Model to Predict and Mitigate Environmental and Public Health Impacts of Traffic Flows in Urban Microenvironments. Collaborator: M. Figliozzi and L. George (PSU)	Oregon Transportation Research and Education Consortium	Co-PI	\$69,868
2009	Exploratory Methods for Truck Re-identification in a Statewide Network Based on Axle Weight and Axle Spacing Data to Enhance Freight Metrics. Phase 2 Collaborator: A. Nichols (Marshall) and M. Cetin (ODU)	Oregon Transportation Research and Education Consortium	PI	\$105,764
2009	PSU Transportation Student Group (STEP) Support	Oregon Transportation Research and Education Consortium	PI	\$15,019
2009	Expanding Development of the Oregon Traffic Safety Data Archive: Phase 3	Oregon Transportation Research and Education Consortium	PI	\$36,912

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 (PSU), M. Figliozzi (PSU), M. Kyte (University of Idaho-PI)	Federal Highway Administration	PI *assigned PI after Bertini to USDOT	\$229,000
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 Research and Education Consortium	PI	\$98,295
2008	PSU Transportation Student Group (STEP) Support	Oregon Transportation Research and Education Consortium	PI	\$15,019
2008	Expanding Development of the Oregon Traffic Safety Data Archive: Phase 2	Oregon Transportation Research and Education 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 Research and Education 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 Research and Education Consortium	Co-PI	\$69,868
2008	Calibrating the HSM Predictive Methods for Oregon Highways. Collaborator: K Dixon (OSU)	Oregon Transportation Research and Education 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 Research and Education Consortium	PI	\$60,000
2007	Expanding Development of the Oregon Traffic Safety Data Archive	Oregon Transportation Research and Education 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 Research and Education Consortium	PI	\$138,996

Year	Project Title	Sponsor	Role	Amount
2007	Freight Performance Measures: Approach Analysis Collaborator: L. Zhang (OSU)	Oregon Transportation Research and Education 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 Research and Education 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 Research and Education 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 Research and Education 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	PI	\$95,000
2005	Motor Vehicle Crash Fatalities and Injuries: An Analysis of the Relationship of Roadway, Driver, Vehicle, and Emergency Medical Services in Oregon Counties	Foundation for Air Medical Research and Education	PI	\$6,000
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

Year	Project Title	Sponsor	Role	Amount
2005	Highway Safety Manual: Parts 2 and 3 (NCHRP)	National Cooperative Highway Research Program, Subcontractor	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	\$41,790
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
2022	Eisenhower Fellowship: Cam Bennett	Universities and Grants Program, FHWA	PI	\$31,500
2009	Eisenhower Fellowship: Alex Bigazzi	Universities and Grants Program, FHWA	PI	\$62,300
2009	Eisenhower Fellowship: Sirisha Kothuri	Universities and Grants Program, FHWA	PI	\$11,500
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	\$1,000
			Total	\$6,603,647

PUBLICATIONS, REPORTS, AND PRESENTATIONS

Note: Students supervised are underlined (e.g., Yates, E)

Articles Under Review

1. None at this time.

Articles Under Preparation

1. None at this time

Refereed Journal Articles

49. McNeil, N., Kothuri, S., Dill, J. **Monsere, C.**, Yates, E., Plotts, J. (2025) “Evaluation of User Interactions and Preferences of Shared Bicycle and Transit Platforms”. *Accepted for publication in Transportation Research Record*
48. Chai, E, Hurwitz, D., Kothuri, S., **Monsere, C.**, Jashami, H. (2024) “Influence of Curb Return and Crosswalk Setback on Turning Driver Decision Making and Speed Selection” *Journal of Transportation Engineering Part A*. 2024, 150(4): 04024004. doi/10.1061/JTEPBS.TEENG-8093
47. McNeil, N., Dill, J. **Monsere, C.**, (2024) “Evaluation of Red Colored Pavement Markings for Transit Lane Designation” *Transportation Research Record*, 2678(6), 123-137. doi.org/10.1177/036119812311943.
46. Cobb, D. Kothuri, S. **Monsere, C.**, Hurwitz, D. Jashami, H. (2023). “Driver and Bicyclist Comprehension of Blue Light Detection Feedback Systems”, *Transportation Research Record*, 2677(6), 395–408. doi.org/10.1177/03611981221148481.
45. Cobb, D. P., **Monsere, C.**, Hurwitz, D. S., Kothuri, S., Jashami, H. (2023). “User Comprehension of Bicycle Signal Countdown Timers”. *Transportation Research Record*, 2677(6), 129–141. <https://doi.org/10.1177/03611981221144299>.
44. Anderson, J. Kothuri, S. **Monsere, C.**, Hurwitz, D. (2022) “Systemic Opportunities to Improve Older Pedestrian Safety: Findings of Crash Data Analyses and a Targeted Workshop”, *Transportation Research Record*, May 2022. doi:10.1177/03611981221089312
** Paper selected by TRR for inclusion in the TRB Annual Meeting 2026 Transportation Research Record (TRR) Promotional Issue. This special issue showcases TRR’s most influential and top-trending articles from 2022–2024, including those most frequently cited in academic literature as well as featured in news and media outlets.*
43. Anderson, J. Kothuri, S. **Monsere, C.**, (2022) “Findings from 20 mph a Neighborhood Speed Reductions”, *Transport Findings*. January 2022. doi.org/10.32866/001c.31956
42. Kothuri, S. Appiah, F., **Monsere, C.**, (2021) “Driver Yielding and Pedestrian Performance at Midblock Crossings on Three-lane Roadways with Rectangular Rapid Flashing Beacons”, *Transportation Research Record*. April 2021. doi:10.1177/03611981211004962
41. Horne, D., Jashami, H., **Monsere, C.**, Kothuri, S. Hurwitz, D. (2020) “Evaluating the In-Vehicle Alerts During Incursions on Sinusoidal Rumble Strips”. *Transportation Research Record: Journal of the Transportation Research Board*, October 2020. DOI: 10.1177/0361198120967947
40. **Monsere, C.**, Hurwitz, D., Fink, C., Kothuri, S., Cobb, D. (2020) “Bicycle Signals in the United States: An Inventory, Typical Use Cases, and Research Gaps” *ITE Journal*, July 2020
** Paper received the Wayne T. and Patricia Van Wagoner Award for Best Paper in the ITE Journal by Western ITE Member (D. Hurwitz).*
39. **Monsere, C.**, McNeil, N., Sanders, R. (2020) “User-Rated Comfort and Preference of Separated Bike Lane Intersection Designs,” *Transportation Research Record: Journal of the Transportation Research Board*, June 2020. DOI: 10.1177/0361198120927694.
38. Kothuri, S., **Monsere, C.**, Hurwitz, D., Jashami, H. (2020) “An Online Survey of Driver Comprehension of the Flashing Yellow Arrow for Right-Turn Signal Indications” *Journal of Transportation Engineering*, 2020. DOI: 10.1061/JTEPBS.0000376.

** Results of research have been incorporated in ODOT's Traffic Signal Design Handbook*

37. Jannat, M., Tapiro, H., **Monsere, C.**, Hurwitz, D. (2020) "Right-Hook Crash Scenario: Effects of Environmental Factors on Driver's Visual Attention and Crash Risk" *Journal of Transportation Engineering: Part A Systems*, February 2020 DOI: 10.1061/JTEPBS.0000342.
36. Horne, D., Jashami, H., Hurwitz, D., **Monsere, C.**, Kothuri, S. (2019) "Mitigating Roadside Noise Pollution: A Comparison between Rounded and Sinusoidal Milled Rumble Strips" *Transportation Research Part D: Transport and Environment*, Volume 77, 2019, pp. 37-49, ISSN 1361-9209, DOI:10.1016/j.trd.2019.10.006.
35. Jashami, H., Hurwitz, D., **Monsere, C.**, Kothuri, S. (2019) "Do drivers correctly interpret the solid circular green from an exclusive right-turn bay?" *Advances In Transportation Studies, an International Journal*, August 2019.
34. Jashami, H*, Hurwitz, D. **Monsere, C.**, Kothuri, S. (2019) "Evaluation of Driver Comprehension and Visual Attention of the Flashing Yellow Arrow Display for Permissive Right-Turns" *Transportation Research Record: Journal of the Transportation Research Board*, Transportation Research Board of the National Academies, Washington, D.C., 2019. doi.org/10.1177/0361198119843093.
**Paper received Best Young Author Award 2019 for TRB AHB50 Traffic Control Devices Committee*
**Results of research have been incorporated in ODOT's Traffic Signal Design Handbook*
33. Jannat, M., Hurwitz, D., **Monsere, C.** Funk, K. (2018) "The Role of Driver's Situational Awareness on Right-Hook Bicycle-Motor Vehicle Crashes". *Safety Science*, Volume 110, Part A, 2018, pp 92-101, DOI: 10.1016/j.ssci.2018.07.025.
32. Wang, Y., **Monsere, C.** Chen, C. Wang, H. (2018) "Development of a Crash Risk Scoring Tool for Pedestrian and Bicycle Projects in Oregon" *Transportation Research Record: Journal of the Transportation Research Board*, No. 2672, Issue 32, pp 30-39 Washington, D.C., 2018. DOI: 10.1177/0361198118794285.
31. Warner, J, Hurwitz, D., **Monsere, C.**, Fleskes, K. (2017) "A Simulator-Based Analysis of Engineering Treatments for Right-Hook Bicycle Crashes at Signalized Intersections" *Accident Analysis & Prevention*, 2017 <https://doi.org/10.1016/j.aap.2017.04.021>
30. Himes, S. Peach, K., Eccles, K. **Monsere, C.**, Gates, T. (2016) "Estimating the Safety Effects of Intersection Sight Distance at Unsignalized Intersections" *Transportation Research Record: Journal of the Transportation Research Board*, No. 2588, Washington, D.C., 2016. DOI:10.3141/2588-08.
29. Blanc, B., Johnson, P., Figliozzi, M., **Monsere, C.**, Nordback, K. (2015) "Leveraging Signal Infrastructure for Non-Motorized Counts in a Statewide Program: A Pilot Study" *Transportation Research Record: Journal of the Transportation Research Board*, No. 2527, Transportation Research Board of the National Academies, Washington, D.C., 2015. pp 99-77. DOI 10.3141/2527-08
28. Foster, N., **Monsere, C.**, Dill, J., Clifton, K. (2015) "A Level-of-Service Model for Protected Bike Lanes" *Transportation Research Record: Journal of the Transportation Research Board*, No. 2520, Transportation Research Board of the National Academies, Washington, D.C., 2015. pp 90-99. DOI:10.3141/2520-11
** Results of research have been incorporated in ODOT's Transportation Planning and Analysis Unit (TPAU) Analysis and Procedures Manual Level of Service Guidance.*
27. McNeil, N.M., **Monsere, C.**, Dill, J. (2015) "The Influence of Bike Lane Buffer Types on Perceived Comfort and Safety of Bicyclists and Potential Bicyclists" *Transportation Research Record: Journal of the Transportation Research Board*, No. 2520, Transportation Research Board of the National Academies, Washington, D.C., 2015. pp. 132-142 DOI 10.3141/2520-15.
26. **Monsere, C.**, Foster, N., Dill, J., McNeil, N.M. (2015) "User Behaviors and Perceptions at Intersections with Mixing and Turning Zones on Protected Bike Lanes" *Transportation Research Record: Journal of the Transportation Research Board*, No. 2520, Transportation Research Board of the National Academies, Washington, D.C., 2015. pp. 112-122. DOI 10.3141/2520-13
25. Foster, N. **Monsere, C.** Carlos, K. (2014) "Evaluating Driver and Pedestrian Behaviors at Enhanced Multilane Midblock Pedestrian Crossings: Case Study in Portland, Oregon" *Transportation Research Record:*

- Journal of the Transportation Research Board*, No. 2464, Transportation Research Board of the National Academies, Washington, D.C., 2014. pp 59-66.
24. Hurwitz, D., Marnell, P. **Monseré, C.** Paulsen, K. (2014) “Three- or Four-Section Displays for Permissive Left-Turns?” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2463, Transportation Research Board of the National Academies, Washington, D.C., 2014. pp 1-9. DOI 10.3141/2463-01
 23. Figliozzi, M., Johnson, P, **Monseré, C.**, Nord back, K. (2014) “A Methodology to Characterize Ideal Short-term Counting Conditions and Improve AADT Estimation Accuracy Using a Regression-based Correcting Function” *Journal of Transportation Engineering, American Society of Civil Engineers*, Vol 140 (5), May 2014, DOI 10.1061/(ASCE)TE.1943-5436.0000663, 04014014.
 22. Parks, J. Tanaka, A., Ryus, P., **Monseré, C.**, McNeil, N., Goodno, M. (2013) “Evaluating Bicycle Infrastructure: Assessment of Three Alternative Quality-of-Service Metrics” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2387, Transportation Research Board of the National Academies, Washington, D.C., 2013. pp 139-148.
**Results of the research were awarded the AASHTO “Sweet Sixteen” award for high-value research*
 21. Figliozzi, M., Wheeler, N., **Monseré, C.** (2013) “Methodology to Estimate Bicyclists’ Acceleration and Speed Design Values to Calculate Minimum Green Times at Signalized Intersections” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2387, Transportation Research Board of the National Academies, Washington, D.C., 2013. pp 66-75.
 20. Thompson, S., **Monseré, C.** Figliozzi, M., Koonce, P. Obery, G. (2013) “Bicycle-Specific Traffic Signals: Results from State-of-the-Practice Review” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2387, Transportation Research Board of the National Academies, Washington, D.C., 2013. pp 1-9.
**Results of the research were awarded the AASHTO “Sweet Sixteen” award for high-value research*
 19. Gladhill, K., **Monseré, C.**, (2012) “Exploring Traffic Safety and Urban Form in Portland, Oregon” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2318, Transportation Research Board of the National Academies, Washington, D.C., 2012. pp 63-74.
 18. Moore, A, Figliozzi, M., **Monseré, C.** (2012) “Bus Stop Air Quality: An Empirical Analysis of Exposure to Particulate Matter at Bus Stop Shelters” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2270, Transportation Research Board of the National Academies, Washington, D.C., 2012. pp-76-86.
 17. **Monseré, C.**, N. McNeil, J. Dill. (2012) “Multi-User Perspectives on Separated, On-Street Bicycle Infrastructure” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2314, Transportation Research Board of the National Academies, Washington, D.C., 2012, pp. 22–30.
 16. Xie, F., Gladhill, K., Dixon, K. K., **Monseré, C.** (2011) “Calibrating the Highway Safety Manual Predictive Models for Oregon State Highways” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2241, Transportation Research Board of the National Academies, Washington, D.C., 2011. pp 19-28.
 15. Kendrick, C. Moore, A. Haire, A., Bigazzi, A., Figliozzi, M., **Monseré, C.**, George, L. (2011) “Impact of Bicycle Lane Characteristics on Bicyclists’ Exposure to Traffic-Related Particulate Matter” *Transportation Research Record: Journal of the Transportation Research Board*, No. 2247, Transportation Research Board of the National Academies, Washington, D.C., 2011. pp 24-32.
 14. Cetin, M., **Monseré, C.**, Nichols, A., Ustun, I. (2011) “Key Factors Affecting Accuracy of Reidentification of Trucks over Long Distances Based on Axle Measurement Data, *Transportation Research Record: Journal of the Transportation Research Board*, No. 2243, Transportation Research Board of the National Academies, Washington, D.C., 2011. pp 1-8.

13. Warden, C., Duh, J., Lafrenz, M., Chang, H. **Monsere, C.** (2011) "Geographical Analysis of Commercial Motor Vehicle Hazardous Materials Crashes on the Oregon State" *International Journal of Health Geographics*. Volume 10 Issue 2, 171, June 2011. doi:10.1080/17477891.2011.578207
12. Dill, J. **Monsere, C.**, N. McNeil. (2010) "Evaluation of Bike Boxes at Signalized Intersections. Accident Analysis and Prevention, Special Issue from International Conference on Safety and Mobility of Vulnerable Road Users: Pedestrians, Motorcyclists and Bicyclists. *Accident Analysis and Prevention*. doi:10.1016/j.aap.2010.10.030 |
11. Zheng, Z., Ahn, S. and **Monsere, C.** (2009) "Impact of Traffic Oscillations on Freeway Crash Occurrences" *Accident Analysis Prevention*. 10.1016/j.aap.2009.10.009
10. Cetin, M., **Monsere, C.**, Nichols, A. "Bayesian Models for Re-identification of Trucks over Long Distances Based on Axle Measurement Data". *Journal of Intelligent Transportation Systems*. Volume 15, Number 1, January 2011, pp. 1-12(12).
9. Berkow, M., **Monsere, C.**, Koonce, P., Bertini, R.L., and Wolfe, M. (2009) "Prototype for Data Fusion Using Stationary and Mobile Data Sources for Improved Arterial Performance Measurement" *Transportation Research Record: Journal of the Transportation Research Board, No. 2099*, Transportation Research Board of the National Academies, Washington, D.C., 2009, pp. 102-112.
8. **Monsere, C.**, Fischer, E.L., (2008) Safety effects of reducing freeway illumination for energy conservation. *Accident Analysis Prevention*. , doi:10.1016/j.aap.2008.06.018
7. **Monsere, C.**, P. Bosa, R.L. Bertini. (2008) "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
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5. **Monsere, C.**, A. Breakstone, Bertini, R.L., D. Deeter, G. McGill. (2006) "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.
4. Grile, C., **Monsere, C.**, Hunter Zaworski, K. (2005) "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.
3. **Monsere, C.**, Nolan, C., Bertini, R.L., Anderson, A. and El-Seoud, T. (2005) "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.
2. Bertini, R.L., **Monsere, C.**, Byrd, A., Rose, M. and El-Seoud, T. (2005) "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.
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Reviewed Proceedings (by full paper)

28. Russo, B. Lemcke, D. James, E., Smaglik, E. Wang, Y, **Monsere, C.**, "An Exploratory Parameter Sensitivity Analysis of Bicycle-Vehicle Conflicts Using the Surrogate Safety Assessment Model",

Submitted to *Transportation Research Record: Journal of the Transportation Research Board*, August 2019 Paper 20-05024

27. **Monseré, C.**, Kothuri, S., Figliozzi, M., Razmpa, A. “An Analysis of the Safety Effectiveness of Pedestrian Crossing Enhancements in Oregon”. Paper 18-0737. *Proceedings of the 98th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2018.
26. Dill, J., McNeil, N.M., **Monseré, C.** “A Comparison of Survey Methods for Bicycle Research” Paper 16-6268. *Proceedings of the 96th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2016.
25. Dixon, K., Avelar, R., **Monseré, C.** “Oregon Signalized Intersection Safety Performance Functions and the Effect of Speed” Paper 16-5889. *Proceedings of the 96th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2016.
24. Goddard, T., Dill, J., **Monseré, C.** “Driver Attitudes about Bicyclists: Negative Evaluations of Rule-Following and Predictability” Paper 16-2573. *Proceedings of the 96th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2016.
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22. Bussey, S., **Monseré, C.**, Koonce, P. “Does the Bicycle Detector Symbol Change Cyclist Queuing Position at Signalized Intersections?” Paper 15-2501. *Proceedings of the 94th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2015
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19. Marnell, P., Tuss, H., Hurwitz, D., Paulsen, K., **Monseré, C.** “Permissive Left-Turn Behavior at the Flashing Yellow Arrow in the Presence of Pedestrians”. 7th International Driving Assessment Conference Compendium. 2013
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16. Olson, C., Kothuri, S., **Monseré, C.**, Koonce, P. Tufte, K. “A Framework for Multimodal Arterial Data Archiving” Paper 12-1750, *Proceedings of the 91th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2012.
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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.” *Proceedings of the 88th Annual Meeting of the Transportation Research Board*, Washington, D.C., 2009.
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Textbooks and Handbooks

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2. **Monsere, C.**, Foster, N., Borkowitz, T., Downey, M. Kothuri, S. Bertini, R.L. “Chapter 10: Bicycle Transportation. *Handbook of Transportation Engineering*”. Taylor and Francis. 2015, pp 143-164
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Reports

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54. Hurwitz, D. S., Jashami, H., Moreno Rangel, E. A., **Monseré, C.**, Kothuri, S., & Semensky, S. (2026). Developing guidance on leading pedestrian intervals and curb extensions to improve pedestrian safety at signalized intersections (Report No. SPR 877). Oregon Department of Transportation.
53. Dadashova, B., Dixon, K., Gurbuz, O., Dzinyela, R., Dai, B., Turner, S., Hintze, M., Sawyer, K., Schultheiss, B., Passmore, D., Chrzan, J., Wong, T., Sublett, C., Brodie, S., **Monseré, C.**, Kothuri, S., McNeil, N., Sanders, R., Schoner, J. (2024) *NCHRP 15-74. Safety Evaluation of On-Street Bicycle Facility Design Features*. National Cooperative Highway Research Program, Washington, DC: The National Academies Press. <https://doi.org/10.17226/28854>.
52. Fink, C, Chrzan, J., Schultheiss, J., **Monseré, C.**, McNeil, N., Kothuri, S., Anderson, J., Sanders, R., Schoner, J., Hurwitz, D., Jashami, H., and Breuer, H. (2024) “*NCHRP 15-73. Reducing Conflicts Between Turning Motor Vehicles and Bicycles: Decision Tool and Design Guidelines*”. National Cooperative Highway Research Program, Transportation Research Board.
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49. **Monseré, C.**, Hurwitz, D., Anderson, J., Kothuri, S., Milacek, M. (2021) “*Highway Safety Investigations Manual for Oregon Department of Transportation*”. Oregon Department of Transportation, December 2021.
48. Hurwitz, D., Chai, E., Kothuri, S., **Monseré, C.**, Jashami, H., Appiah, F., (2022). “Safest Placement for Crosswalk at Intersections.” Oregon Department of Transportation, SPR 840, August 2022.
47. McNeil, N., Dill, J., **Monseré, C.** (2022) Evaluation of Red Colored Pavement in Transit Lanes. Final Report for TriMet, Portland Bureau of Transportation.
47. Monseré, C., Hurwitz, D., Cobb, D., Kothuri, S. Jashami, H. “*Assessment Of Bicycle Detection Confirmation and Countdown Devices*”. Oregon Department of Transportation, SPR 825, June 2021.
46. Dill, J. McNeil, N., **Monseré, C.** Kothuri, S., MacArthur, J., Brodie, S., Schoner, J., Chrzan, J., Elliot, J., Fink, T., Jacobson, T., Judelman, B. Proulx, F. (2021) AASHTO Council on Active Transportation Research Roadmap and Research Review, National Cooperative Highway Research Program, Transportation Research Board.
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44. **Monseré, C.**, Kothuri, S., Hurwitz, D., Anderson, J. “*Addressing Oregon’s Rise in Deaths and Serious Injuries for Senior Drivers and Pedestrians*”. Oregon Department of Transportation, SPR 828, April 2020.
43. **Monseré, C.**, Kothuri, S., Anderson, J. “*Best Practices for Installation of Rectangular Rapid Flash Beacons (RRFB)*”. Oregon Department of Transportation, SPR 814, February 2020.
42. **Monseré, C.**, Hurwitz, D., Fink, C., Schultheiss, B., Hillman, T., Shaw, G., Boudart, J., Cobb, D. “Road User Understanding of Bicycle Signal Faces on Traffic Signals” NCHRP Web-Only Document 273. January 2020.
41. Hurwitz, **Monseré, C.**, Kothuri, S., H. Jashami, K. Buker, A. Kading. “*Improved Safety and Efficiency of Protected/Permitted Right-Turns in Oregon*”. Oregon Department of Transportation, SPR 789, May 2018.
40. **Monseré, C.**, Kothuri, S., Razmpa, A. “*Wrong Way Driving Analysis and Recommendations*”. Oregon Department of Transportation, September 2017.

39. **Monsere, C.**, Kothuri, S., Razmpa, A. “*An Update to Issues Report for Interstate Speed Changes*”. Oregon Department of Transportation, June 2017.
38. **Monsere, C.**, Figliozzi, M, Kothuri, S., Razmpa, A. “*Safety Effectiveness of Pedestrian Crossing Enhancements*”. Oregon Department of Transportation SPR Project No. 778, October 2016.
37. **Monsere, C.**, Wang, H. Wang, Y., Chen, C. “*Risk Factors for Pedestrian and Bicycle Crashes*”. Oregon Department of Transportation SPR Project No. 779, April 2017.
36. Hurwitz, D., **Monsere, C.**, Jannat, M., Warner, J, Razmpa, A. “*Towards Effective Design Treatment for Right Turns at Intersections with Bicycle Traffic*”. Oregon Department of Transportation SPR Project No. 767, June 2015.
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33. **Monsere, C.**, J. Dill, N. McNeil, K. Clifton, N. Foster, T. Goddard, M. Berkow, Gilpin, K. Voros, D. van Hengel, J. Parks. *Lessons From the Green Lanes: Evaluating Protected Bike Lanes in The U.S.* Final Report, National Institute for Transportation and Communities (NITC), NITC-RR-583, June 2014.
33. Figliozzi, M., **Monsere, C.**, Nordback, K., Johnson, P. and Blanc, B. “*Design and Implementation of Pedestrian and Bicycle-Specific Data Collection Methods in Oregon*”. Final Report, Oregon Department of Transportation SPR Project No. 754, June 2014.
32. Figliozzi, M., **Monsere, C.**, Nordback, K., Johnson, P. and Blanc, B. “*Design and Implementation of Pedestrian and Bicycle-Specific Data Collection Methods in Oregon*”. Final Report, Oregon Department of Transportation SPR Project No. 754, June 2014.
31. **Monsere, C.** Figliozzi, M., Thompson, S., Paulsen, K. “*Operational Guidance for Bicycle-Specific Traffic Signals in the United States*”. Final Report, Oregon DOT and Oregon Transportation Research and Education Consortium, SPR 747, September 2013.
30. Hurwitz, D., **Monsere, C.** “*Improved Pedestrian Safety at Signalized Intersections Operating the Flashing Yellow Arrow*”. Final Report, Oregon Transportation Research and Education Consortium, OTREC-RR-13-01, April 2013.
29. Tufte, K. **Monsere, C.**, “*Multimodal Data at Signalized Intersections: Strategies for Archiving Existing and New Data Streams to Support Operations and Planning & Fusion and Integration of Arterial Performance Data?*” Final Report, Oregon Transportation Research and Education Consortium, OTREC-RR-430, September 2012.
28. **Monsere, C.**, Cetin, M., and Nichols, A. “*Exploratory Methods for Truck Re-Identification in A Statewide Network Based on Axle Weight and Axle Spacing Data to Enhance Freight Metrics Phase 2*” Final Report, Oregon Transportation Research and Education Consortium, OTREC-RR-12-04, May 2012.
27. **Monsere, C.**, Limm, M., Dai, C., Wu, X. “*Expanding Development of the Oregon Traffic Safety Data Archive, Phase 2*” Final Report, Oregon Transportation Research and Education Consortium, OTREC-RR-11-28, March 2012.
26. Dixon, K., **Monsere, C.**, Xie, F., Gladhill, K., *Calibrating the Highway Safety Manual Predictive Models for Oregon State Highways*, Final Report, Oregon Department of Transportation SPR Project No. 6XX, September 2011.
25. **Monsere, C.**, *An Independent Analysis of a Traffic Separator on OR99W*, ODOT Region 1. Final Report, Oregon Department of Transportation Region 1, June 2011.
24. **Monsere, C.**, Johnson, T., Dixon, K., Zheng, J, Van Schalkwyk, I. *An Assessment of Statewide Intersection Safety*, Final Report, Oregon Department of Transportation SPR Project No. 667, June 2011.

23. **Monseré, C.**, N. McNeil, J. Dill. *Evaluation of Innovative Bicycle Facilities: SW Broadway Cycle Track & SW Stark/Oak Street Buffered Bike Lanes*, Portland State University, Portland, OR, 2011.
22. McMullen S., **Monseré, C.**, *Freight Performance Measures: Approach Analysis*, ODOT / OTREC Research Report, SPR 664 OTREC-RR-10-04.
21. **Monseré, C.**, Cetin, M., and Nichols, A. “*Exploratory Methods for Truck Re-Identification in A Statewide Network Based on Axle Weight and Axle Spacing Data to Enhance Freight Metrics*” Final Report, Oregon Transportation Research and Education Consortium, OTREC-RR-09-, December 2009.
20. **Monseré, C.**, Ahn, S., and Zheng, Z. “*Empirical Observation of the Impact of Traffic Oscillations on Freeway Safety*” Final Report, Oregon Transportation Research and Education Consortium, OTREC-RR-08-190, November 2009.
19. Copeland, B., Crain, J., **Monseré, C.**, “*Collision Diagramming Tools Evaluation*”. Final Report. DKS Associates. Portland, OR, December 2008
18. **Monseré, C.**, Dixon, K., Diercksen, L., and Liebler, M. “*Evaluating The Effectiveness of the Safety Investment Program (SIP) Policies for Oregon*” Final Report, Oregon Department of Transportation SPR Project No. 651, August 2009.
17. **Monseré, C.** Wolfe, M. Alawakiel, H., Stephens, M. “*Developing Corridor Level Truck Travel Time Estimates and Other Freight Performance Measures from Archived ITS Data*” Final Report, Oregon Department of Transportation SPR Project No. 304-361, and Oregon Transportation Research and Education Consortium, OTREC-RR-09-10, August 2009.
16. **Monseré, 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, December 2008.
15. **Monseré, 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. **Monseré, C.**, Yin, T., and M. Wolfe “*Understanding the Safety Effects of Roadway Illumination Reductions*”, 05-02FINAL, Portland State University, Intelligent Transportation Systems Lab, August 2007.
13. **Monseré, 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. **Monseré, 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. **Monseré, 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. **Monseré, C.** Bertini, R.L., Bosa, P., Chi, D. “*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. **Monseré, 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. **Monseré, 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. **Monseré, 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., **Monseré, 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., **Monseré, 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. **Monseré, 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. **Monseré, 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. **Monseré, 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, **Monseré, C.** “*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

98. **Monseré, C.** *Results of Speed Limit Changes in Eastern Oregon*, Oregon DOT Technical Services Conference, Nov 9, 2022.
97. **Monseré, C.** *Speed Management*, UBC International Safety Conference. Vancouver BC, Oct 31-Nov 1, 2022. (Invited)
96. **Monseré, C.** *Safety and Comfort for Everyone*, Sustainable Transportation Education Session. Bainbridge Island City Council (Virtual), January 21, 2021.
95. **Monseré, C.** *NCHRP Web Only Document: Road User Understanding of Bicycle Traffic Signals*, MassDOT Moving Together Conference , Amherst MA. (Virtual), November 19, 2020.
94. **Monseré, C.** *User-Rated Comfort and Preference of Separated Bike Lane Intersection Designs*, University of British Columbia Transportation Seminar, Vancouver, B.C. (Virtual), October 21, 2020.
93. **Monseré, C.** *Effects of Island & RRFB Placement on Midblock Driver Yielding on Three Lane Roads*, METRO Transport Meeting, Portland, OR (Virtual), October 14, 2020.
92. **Monseré, C.** *Effects of Island & RRFB Placement on Midblock Driver Yielding on Three Lane Roads*, Wester ITE Annual Meeting, Honolulu, HI (Virtual) June 30, 2020.
91. **Monseré, C.** *Protecting Cyclists at Intersections Workshop*, TRB Annual Conference, Washington D.C., January 12, 2020.
90. **Monseré, C.** *User-Rated Comfort and Preference of Separated Bike Lane Intersection Designs*, TRB Annual Conference, Washington D.C., January 12, 2020.
89. **Monseré, C.** *Pedestrian Safety*, Law Enforcement Training Conference, Eugene, October 28, 2019.
88. **Monseré, C.** N. McNeil. *Contextual Guidance at Intersections for Protected Bicycle Lanes*, NITC Webinar, October 8, 2019.
87. **Monseré, C.** N. McNeil. *Contextual Guidance at Intersections for Protected Bicycle Lanes*, NITC Transportation Summit Conference, Portland OR, Sept 19, 2019.
86. **Monseré, C.** N. McNeil. *Protected bike lane intersections: Selecting designs to maximize cyclist comfort and attract riders*, APBP Conference, Portland OR, August 27, 2019.
85. **Monseré, C.** Hurwitz, D. *Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon*, PSU Friday Transportation Seminar Series, October 26, 2018.

84. **Monsere, C.,** Hurwitz, D. *Driver Response at Signalized Intersections Operating the Flashing Yellow Arrow: Results from a Driving Simulator Experiment*, National Webinar Series: PBIC Crash Types Series - Left Turn Crashes Involving Pedestrians. October 25, 2018
83. **Monsere, C.** Kothuri, S., Hurwitz, D. *Recommendations from FYA for Right Turns Research*, Oregon Traffic Control Devices Committee, July 20, 2018.
82. **Monsere, C.,** Kothuri, S. *Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon*, ITE Quad Conference, Portland Oregon, May 7, 2018.
81. **Monsere, C.** *The Rectangular Rapid Flashing Beacon (RRFB) Rollercoaster Part 2: Research Findings*, ODOT Traffic Engineering Conference, Salem OR, April, 25, 2018.
80. **Monsere, C.** *A Simulator Based Analysis of Right Hook Crashes at Signalized Intersections*. International Cooperation on Theories and Concepts in Traffic Safety, extra workshop. Vancouver, B.C. March 9, 2018.
79. **Monsere, C.** *Safety Effectiveness of Pedestrian Crossings*. PSU Friday Transportation Seminar, October 13, 2017
78. **Monsere, C.** *Safety Effectiveness of Pedestrian Crossings*. Oregon DOT Transportation Safety Division Annual Conference, October 23, 2017.
77. **Monsere, C.** *Safety Effectiveness of Pedestrian Crossings*. TRB UTC Spotlight on Pedestrian and Bicycle Safety, Washington DC, Dec 1-2, 2016.
76. **Monsere, C.** *Safety Effectiveness of Pedestrian Crossings in Oregon*. ProWalk ProBike Conference, Vancouver B.C., September 12-15, 2016.
75. **Monsere, C.** *Highway Safety Manual Overview*. Oregon DOT Transportation Safety Division Annual Conference, October 23, 2016.
74. **Monsere, C.** (Invited) *Washington State DOT – Safer Streets, Safer People Kick Off Meeting*, Olympia, WA, Nov 7, 2014
73. **Monsere, C.** (Invited) *Oregon Tech / NITC Civil Engineering Professional Lecture Series - Current Trends in Transportation Safety Research*, Klamath Falls, OR, November 8, 2013
72. **Monsere, C.** “*Some Recent Safety Related Results from Bicycle-Pedestrian Research*” Oregon Transportation Summit. Portland, OR September 2013
71. **Monsere, C.** (Invited) “*Panel Discussion: Information Sharing Challenges for Researchers*” Better Safety Results Through Information Sharing: A Workshop, Irvine, CA July 12-13, 2012.
70. **Monsere, C.** “*Evaluating Innovative Bicycle Infrastructure: Some Comparisons of Portland, OR and Washington, DC (USA)*” Velo-city Global, Vancouver B.C., June 26-29, 2012
69. **Monsere, C.** “*A Framework for a Multimodal Regional Data Archive*” North American Travel Monitoring Exhibition and Conference (NATMEC), Dallas, TX, June 4-7, 2012
68. **Monsere, C.** “*Towards Automated Pedestrian and Bicycle Counts*” North American Travel Monitoring Exhibition and Conference (NATMEC), Dallas, TX, June 4-7, 2012
67. **Monsere, C.** “*Effective Graphics: Some Simple Principles to Avoid Creating Junk*” Presented to ASCE-PSU, Lunch and Learn, February 8, 2012.
66. **Monsere, C.,** “*Multi-User Perspectives on Separated, On-Street Bicycle Infrastructure*” Presented at the presentation at the 91th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2012.
65. **Monsere, C.,** “*Data Visualization and Exploration Techniques Using R and Postgres.*” Portland Postgres User Group (pdxPUG), July 21, 2011
64. **Monsere, C.,** “*An Evaluation of Innovative Bicycle Facilities in Portland, OR.*” Presented at the ITE District 6 Annual Meeting, Anchorage, AK, July 11-12, 2011
63. **Monsere, C.,** “*PORTAL: The Portland-Vancouver Multimodal Transportation Data Archive.*” Presented at the Oregon SAE Chapter Monthly Meeting, Portland, OR, March 18, 2011

62. **Monsere, C.**, “*An Evaluation of Innovative Bicycle Facilities in Portland, OR.*” Presented at the ITE Quad Conference, Lynwood WA, April 19, 2011
61. **Monsere, C.**, “*Bike Boxes at Signalized Intersections: The Portland Experience.*” Presented to APBP Webinar Series (Invited), December 15, 2010
60. **Monsere, C.**, “*Categorizing the Safety Performance of Oregon’s Intersections.*” Presented to ACEC Brown Bag, ODOT Region 2, Salem OR, August 2010
59. **Monsere, C.** “*A Framework for a Multimodal Regional Data Archive*” North American Travel Monitoring Exhibition and Conference (NATMEC), Seattle, Washington, June 21-24, 2010
58. **Monsere, C.** “*Developing Corridor-Level Truck Travel Time Estimates and Other Freight Performance Measures from Archived ITS Data*” North American Travel Monitoring Exhibition and Conference (NATMEC), Seattle, Washington, June 21-24, 2010
57. **Monsere, C.** and K. Dixon, “*Overview of Oregon DOT Safety Investigations Manual*”. ODOT Traffic Engineering Day, Salem, OR, May 27, 2010
56. **Monsere, C.** and J. Dill, “*Bike Boxes at Signalized Intersections*”. Invited speaker at Tom Maze Transportation Seminar at Iowa State University's Institute for Transportation (InTrans), April 16, 2010
55. **Monsere, C.**, “*Bike Boxes at Signalized Intersections: Do They Work?*”. Northwest Transportation Conference, Corvallis, Oregon, February 9, 2010
54. **Monsere, C.** and J. Dill, “*Initial Assessment of Portland's Green Bike Boxes*”. PBOT Brown Bag Seminars, Portland State University, January 25, 2010
53. **Monsere, C.** and J. Dill, “*Initial Assessment of Portland's Green Bike Boxes*”. Friday Transportation Seminars, Portland State University, Dec 4, 2009
52. **Monsere, C.**, “*Oregon Traffic Safety Data Archive*”. Metro Regional Safety Workgroup, Portland, OR, December 2, 2009
51. **Monsere, C.** “*Congestion Monitoring Innovations in Oregon*”, Presented at Congestion Monitoring Workshop, Beijing China, October 28, 2009
50. **Monsere, C.** and K. Dixon, “*An Overview of the ODOT Safety Investigations Manual*”. Presented at Traffic Day, Eugene, OR October 20, 2009
49. **Monsere, C.**, “*Safety Smackdown- Data as the Hammer*”. OTREC Summit, Portland, OR, September 11, 2009
48. **Monsere, C.**, “*Estimating Freight Corridor Performance from WIM Data*”. ITE District 6 2009, Denver Colorado
47. Gladhill, K and **Monsere, C.**, “*Highway Safety Manual Predictive Methods: Calibration for Oregon Highways*”. Presented at the ITE District 6 Annual Meeting, Denver, Colorado, July 2009
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.**, 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.**, 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 Tufte, 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. Gleneden, 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 IMSA, 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.

TEACHING AND MENTORING SUMMARY

Dr. Monsere has taught 12 unique courses at the 100, 300, 400, and 500 levels. His teaching experience includes over 116 sections, teaching 2,328 students in lecture and lab courses. In addition, he has advised an additional 231 students in thesis, internship, research and reading and conference courses. Dr. Monsere’s courses included an intentional direct connection between his research. Dr. Monsere first taught *Transportation Safety Analysis* as an adjunct to PSU in 2003. It is a popular undergraduate senior elective and a required graduate class. As a feature of the course, students do actual safety evaluations for local jurisdictions, including final poster sessions presented to professionals. Most recently, he created a new course on “*Design and Operation of Bicycle and Pedestrian Infrastructure*” to help bring his research expertise into the classroom. Lastly, based on his work with multimodal transportation data, he created a data-intensive course for our first-year graduate students titled *Introduction to Transportation Engineering Research Methods*. The course is unique – combining programming, graphical analysis, database, and statistics and has drawn interest from outside the department. Dr. Monsere also created two other courses, *Freight Transportation* and *Civil Engineering Drawing & Spatial Analysis* that are now taught by others.

Dr. Monsere was recognized by the Western District of the Institute of Transportation Engineers (ITE) as its Outstanding Transportation Educator in 2020. Nearly all publications include student co-authors. Many of his former students are leaders in the field, working as transportation engineers or planners at public agencies and private consulting firms or as university faculty. Dr. Monsere’s teaching evaluations are positive, with numerical teaching scores above the departmental average. When the CEE department gave a teaching award, the undergraduate students (through the officers of the student groups) selected Dr. Monsere as “Instructor of the Year” in 2009 and 2011.

Teaching Improvement Workshops

Participated in the American Society of Civil Engineers' Mini-ExCEED (Excellence in Civil Engineering Education) Teaching Workshop held at Portland State University, June 24 2009

Attended National Transportation Education Conference, Portland, OR, June 22-24 2009

Teaching

Portland State University

Course Title	Credits	Type	Sections Taught	Total Enrollment
CE 111 Intro to Civil and Environmental Engineering	3	Required	1	20
CE 112 Civil and Environmental Engineering Computations	3	Required	1	57
CE 115 Civil Engineering Drawing and Spatial Analysis	3	Required	3	154
CE 315 Civil Engineering Professions	1	Required	7	612
CE 351 Introduction to Transportation Engineering	4	Required	1	28

CE 454 Urban Transportation Systems	4	Required	10	535
CE 453/553 Freight Transportation and Logistics	4	Elective	6	37
CE 450/550 Transportation Safety Analysis	4	Elective	28	380
CE493/593 Design and Operation of Bicycle and Pedestrian Infrastructure	4	Elective	10	180
CE 407/507 Benefit-Cost Analysis for Transportation Projects	1	Elective	8	30
CE 407/507 Transportation Seminar	1	Elective	32	202
CE 554 Introduction to Multimodal Transportation Engineering Data Analysis	2-4	Elective	9	93
Total			116	2,328

Graduate Committees

Ph.D. Dissertation Advisor

1. Yi Wang, “Using microsimulation to estimate bicyclist safety for urban bikeway intersection design options”, 2015-2020 (ABD)
2. Sirisha Kothuri, “Exploring Pedestrian Responsive Traffic Signal Timing Strategies in Urban Areas”, 2014

Ph.D. Dissertation Committee Member

1. Kyu Ri Kim, “The Central Role of Perceived Safety in Connecting Crash Risk Factors and Walking Behavior”, 2024
2. Jaime Pablo Orrego-Oñate, “Reconceiving the Relationship Between the Built Environment and Walking Behavior: Examining the Samples, Scales, and Methods in Travel Behavior Research”, 2022
3. Chawalit Tipagornwong, “Optimizing On-Street Parking Supply with Analytical Models”, 2019
4. Travis Glick, “Utilizing High-Resolution Archived Transit Data to Study Before-and-After Travel-Speed and Travel-Time Study Before-and-After Travel-Speed and Travel-Time Conditions”, 2017
5. Kristi Currans, “Issues in Urban Trip Generation”, 2017
6. Tara Goddard, “Drivers' Attitudes and Behaviors Toward Bicyclists: Intermodal Interactions and Implications for Road Safety”, 2017
7. Steven Gehrke, “Land Use Mix and Pedestrian Travel Behavior: Advancements in Conceptualization and Measurement”, 2017
8. Wei Feng, “Analyses of Bus Travel Time Reliability and Transit Signal Priority at the Stop-To-Stop Segment Level”, 2014
9. Patrick Singleton, “A Theory of Travel Decision-Making with Applications for Modeling Active Travel Demand”, 2013
10. Rafael Fernandez-Montezuma, Computer Science, “A Data-Descriptive Feedback Framework for Data Stream Management Systems”, 2012 **GO Representative*
11. Kathryn Mohor, Computer Science, “Scalable Event Tracing on High-End Parallel Systems,” 2010 **GO Representative*
12. Paul Wachana, Urban Studies and Planning, “Analysis of Bus Operator Data for Safety”, 2010 **GO Representative*

13. Roger Lindgren, Civil and Environmental Engineering, “Analysis of Flow Features in Queued Traffic on a German Freeway,” 2005

M.S. Thesis Advisor

1. Cameron Bennett, “A Survey of North American Electric Bicycle Owners”. 2024
2. Apy Das, “Determinant Factors of Bicyclist Injury Severity at Signalized and Unsignalized Intersections”. 2021
3. Frank Boteng-Appiah, “Improving Bicycle -Crossings at Unsignalized Intersections through Pavement Markings: Analysis of the City of Portland Innovative Strategy”, 2021
4. Kirk Paulsen, “Cyclists' Queue Discharge Characteristics at Signalized Intersections”, 2017
5. Ali Razmpa, “An Assessment of Post-Encroachment Times for Bicycle-Vehicle Interactions Observed in the Field, a Driving Simulator, and in Traffic Simulation Models”, 2016
6. Matthew Blake Downey, “Evaluating the Effects of a Congestion and Weather Responsive Advisory Variable Speed Limit System in Portland, Oregon”, 2015
7. Joel Stephen Barnett, “On the Estimation of Volumes of Roadways: An Investigation of Stop-Controlled Minor Legs”, 2015
8. Todd Robert Johnson, “Safety at Half-Signal Intersections in Portland, Oregon”, 2015
 - * *Results of work cited in Portland City Directive allowing half-signals*
9. Samson Ray Riley Thompson, “Bicyclist Compliance at Signalized Intersections”, 2015
10. Nicholas Foster, “Predicting Bicyclist Comfort in Protected Bike Lanes”, 2014
 - * *Results of work cited ODOT TPAU Level of Service for bicycles.*
11. William Robert Farley. “An Analysis of Bicycle-Vehicle Interactions at Signalized Intersections with Bicycle Boxes”, 2014
12. Chengxin Dai, “Exploring Data Quality of Weigh-In-Motion Systems”, 2013
13. Carl Olson, “Safety Effectiveness of Red Light Treatments for Red Light Running”, 2012
14. Heba Alawakiel, “Leveraging Weigh-In-Motion (WIM) Data to Estimate Link-Based Heavy-Duty Vehicle Emissions”, 2011
15. Kristie Gladhill, “Exploring Traffic Safety and Urban Form in Portland, Oregon”, 2011
16. Chengyu Dai, “Exploration of Weather Impacts on Freeway Traffic Operations and Safety Using High-Resolution Weather Data”, 2011.

Undergraduate Honor's Thesis Advisor

1. Xiaowei Wu, “Exploratory Safety Performance Measures for the Portland, Oregon Region” M.S. Thesis, 2010

M.S. Thesis Committee

1. Michael McQueen, “Comparing the Promise and Reality of E-Scooters: A Critical Assessment of Equity Improvements and Mode-Shift” 2020
2. Jaclyn Sue Schafer, “Examining Bicycle and Motorized Vehicle Speeds and Their Relationships in the Context of Urban Roadways”, 2020
3. Alvaro Alfonso Caviades Combita “Exploring the determinants of vulnerable road users' crash severity in State roads” 2017
4. Travis Glick “High Resolution Transit Data”, 2017
5. Brian Blanc, “An Exploration of Bicyclist Comfort Levels Utilizing Crowdsourced Data”, 2015
6. Katherine Bell, “Identification and Characterization of Fine Particulate Matter Hot Spots on an Urban Arterial Corridor Integrating Probe Vehicle, Traffic and Land Use Data”, 2013.

7. Kristina Currans “Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates”, 2013
8. Courtney Slavin The Relationship Between Traffic Signals and Pedestrian, Bicyclist and Transit User Exposure in Urban Areas,
9. Christopher Muhs, , “Understanding Travel Modes to Non-work Destinations: Analysis of an Establishment Survey in Portland, Oregon”, 2013
10. Josh Roll, “Bicycle Traffic Count Factoring: An Examination of National, State and Locally Derived Daily Extrapolation Factors”, 2013
11. Adam Moore, “An Empirical Study of Particulate Matter Exposure for Transit Users at Bus Stop Shelters”, 2011
12. Jesse Boudart, “Bus Replacement Modeling and the Impacts of Budget Constraints, Fleet Cost Variability, and Market Changes on Fleet Costs and Optimal Bus Replacement Age, A Case Study”, 2011
13. Alex Bigazzi, “Traffic Congestion Mitigation as an Emissions Reduction Strategy”, 2011
14. Nicole Wheeler, “Multi-Criteria Trucking Freeway Performance Measures for Congested Corridors” 2010
15. Meead Saberi, “Investigating Freeway Speed-Flow Relationship for Traffic Assignment Applications” 2010
16. Michael Wolfe, “The Effects of Data Aggregation on Measuring Arterial Performance” M.S Thesis, Portland State University, 2009
17. Craig Warden, “Geographic Analysis of Hazardous Material Road Accidents in Oregon” M.S Geography, Portland State University, 2007
18. Lynn Peterson, Civil and Environmental Engineering, “Sub-Area Transportation System/ Land Use Scenario Modeling,” 2006

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

1. Delia Chi, “Safety Effectiveness of Marked Crosswalks”, August 2007

M.S Project Supervisor

1. Kelly White, “The Gouda, the Bad, and the Ugly: Prioritizing Intersections for Pedestrian Safety in Tillamook, OR with Different Risk Estimation Methods”, 2019
2. Joseph Totten, “Travel Behaviors of Persons with Intellectual and Developmental Disabilities”, 2019
3. Andrew Vosper, “Impact of Speed on Vehicle Safety on Urban Arterial Roadways”, 2017
4. Byad Ahmed, “Length Based Data Analysis for Freight Performance Measures, 2016
5. Andrew Kading, “Performance Implications of Bicycle Specific Treatments at Signalized Intersections”, 2016
6. Daniel R. Hazel. “Safety at Intersections in Oregon – A Preliminary Update of Statewide Intersection Crash Rates”, 2015
7. Rolando Melgozza, An Evaluation of the Neighborhood Traffic Management Program of Centennial, Colorado, 2015
8. Sina Vadaei, Impacts of Replacing a Tight Diamond Interchange with a SPUI – A Wilsonville Interchange Study, 2015
9. Aman K. Woldetinsae, A Microsimulation of Novel Intersection Designs, 2015
10. Fahad Alhajri, A Comparative Assessment of Crowded Source Travel Time Estimates: A Case Study of Bluetooth vs INRIX on a Suburban Arterial, 2014
11. Saad Nayef AlMutairi, “Geospatial Analysis of Rural Motor Vehicle Traffic Crashes in Oregon”, 2014
12. Kouros Monsef, “Bicycle Crash Analysis” M.S. Project, 2013

13. Bryan Hangartner, “An Independent Evaluation of a Traffic Separator on OR99W”, 2012
14. Sandeep Puppala, “A Preliminary Investigation of the Effects of Traffic Oscillations on Freeway Safety”, 2009
15. Maisha Mahmud, “Evaluation of Truck Signal Priority at N Columbia Blvd and Martin Luther King Jr. Blvd Intersection” 2014
16. Zach Horowitz, “Directional Running in the Columbia Corridor” 2007.
**MS Project won the 2008 Council of University Transportation Center’s (CUTC) Parker Award for Outstanding Non-thesis Master’s Degree Paper in Policy and Planning.*
17. Suman Tasnim, “Incident Data Analysis” 2007
18. Thareth Yin, “Effects of Highway Illumination Reduction on Highway Safety Performance” 2005

M.S Project Committee Member

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

SIGNIFICANT PROFESSIONAL DEVELOPMENT ACTIVITIES

Transportation Research Board, Annual Meetings, Washington, D.C., 1997–present (missed 2011, family reasons, 2021 due to COVID)

Oregon LERA Annual Conference, Salem, OR, May 2024

ABET Symposium, Nashville, TN, April 2023

Lime E-Scooter Education and Safety Summit (invited), San Francisco, CA, July 2019

ASCE Department Chairs Meeting, Dallas, TX, June 2019

ASCE Civil Engineering Education Conference, Dallas, TX, June 2019

NACTO Designing Cities Conference, Chicago IL, October 2017

Mid-Year Meeting, Transportation Research Board Highway Safety Performance, Irvine, California. June 2017.

ASCE Department Chairs Meeting, Provo, Utah, June 2017

UTC Spotlight Conference on Pedestrian and Bicyclist Safety, Washington D.C. December 2016

ASCE Department Chairs Meeting, Fayetteville, Arkansas, June 2016.

North American Travel Monitoring and Exhibition Conference, Miami, Florida, May 2016

ASCE Department Chairs Meeting, Blacksburg, Virginia, June 2015.

Mid-Year Meeting, Transportation Research Board Joint Meeting of Highway Safety Performance and Safety Data Analysis and Evaluation, Irvine, California. June 2015.

NACTO Designing Cities Conference, San Francisco, CA, October 2014

Pro Walk Pro Bike Conference, Pittsburgh PA, September 2014

Mid-Year Meeting, Transportation Research Board Joint Meeting of Highway Safety Performance and Safety Data Analysis and Evaluation, Irvine, California. June 2015.

ASCE Department Chairs Meeting, Las Vegas, Nevada, July 2013.

Velo-city Global, Vancouver B.C., June 26-29, 2012

North American Travel Monitoring and Exhibition Conference, Dallas, Texas, June 4-7, 2012.

Oregon Traffic Safety Conference, Annual Meetings, 2000-2006, 2008, 2010

Institute of Transportation Engineers Annual Meeting, Anchorage, Alaska. July 10-13, 2011

North American Travel Monitoring and Exhibition Conference, Seattle, Washington, June 21-24, 2010.

Institute of Transportation Engineers Annual Meeting, Denver, Colorado. July 12-15, 2009

Second conference on traffic management, FHWA, Office of Research and Development and USDOT Research and Innovative Technology Administration (RITA). May 2009

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

Eno Foundation Leadership Development Conference, Washington, D.C. May 1998

UNIVERSITY SERVICE

University

Chair, Search Committee for Director of Academic Labor Relations, 2024

Member, Vice Provost for Student Success Search Committee, 2022

Member, UNST Council, 2022-2023

Member, Research and Graduate Studies F&A Task Force, 2023-2024

Co-chair, Academic Freedom and Title VI Subcommittee, President's Building Communities Through Dialog Task Force, 2023-2024.

Bargaining Team Member for the University, PSUFA, March 2020-September 2023.

Bargaining Team Member for the University, Graduate Employee Union (GEU), August 2016-2018.

Faculty Senator, 2015-2018, elected.

Research Advisory Council, 2013-2016, appointed by J. Fink

Excess Credit Committee, Oregon University System, chair: Melody Rose, 2012-13
Intercollegiate Athletics Board, 2008-2011
Traffic Appeals Board, Chair, 2006-2007, 2007-2008
Traffic Appeals Board, Faculty Member, September 2005-2006

College

MCECS David E. Wedge Faculty and Staff Award Committee, Chair 2016-2024
Chair, Curriculum Committee, 2021-2023
Member, Search committee for Student Success Coordinator, 2023
Chair, Search committee for Assistant Dean for Finance, 2023
Chair, Search committee for Communications Director, 2022
Search committee for Communications Director, Chair: Marcia Fischer. 2012

Department

Associate Chair, Civil and Environmental Engineering, 2013-2014
Chair of search committee for Assistant Professor (Geotechnical), 2015
Search committee for Instructor, Chair: Peter Dusicka. 2015
Search committee for Instructor, Chair: Franz Rad. 2012
Teller's Committee, 2008-09
Chi Epsilon, National Civil Engineering Honor Society, Faculty Advisor, 2008-2018
Civil Engineering Honor Society, Faculty Advisor, 2006-2008
Transportation Faculty Search Committee, Spring 2006.
Institute of Transportation Engineers (ITE) Student Chapter Advisor, 2004–2009

PROFESSIONAL SERVICE

Professional Continuing Education Courses

Highway Safety Manual 101, Instructor, (Oregon State University Traffic Safety Series) November 2020
Institute for Bicycle and Pedestrian Innovation, Faculty Development Workshop, August 2014, June 2015, June 2016, June 2017, June 2018, June 2019, June 2022
Highway Safety Manual Training, Instructor (at Oregon State University with Karen Dixon) August 2012, July 2013, June 2014, March 2015, March 2016
Highway Safety Manual Overview, Instructor (Oregon State Short Course), December 2020, November 2021
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)

Journal Review Boards

Journal of Cycling and Micromobility Research, Editorial Board, 2023-present
Transportation Safety and Security, Editorial Board, 2007–2016

Committee Membership and Activities

ACEC Oregon Project of the Year Selection Panel, 2015 and 2018.

City of Portland, Vision Zero Task Force, 2015-present (appointed by Commissioner Steve Novick)

Oregon Department of Transportation, Research Advisory Council, 2013-present (appointed by M. Buffalino)

Community and School Traffic Safety Partnership, Coordination Council, 2005-2008

Portland Freight Committee, 2005-2007

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, 2004-2010
- 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

- ACS20 – Safety Performance and Analysis
Member (April 2022-2024)
- ANF20 – Bicycle Transportation
Member (April 2018 – April 2027)
- ANB20 - Safety Data, Analysis, and Evaluation
Co-Chair (April 2010 – April 2016)
Paper Review Subcommittee (2009-2016)
Member (April 2005 – April 2016)
- ANB25T -Task Force for the Development of Highway Safety Manual
Task Group Chair, Chapter 6 Special Geometric Facilities, (October 2006-2010)
Young Member (May 2005 – April 14, 2008)
Member (April 2003 – May 2005)
Local Arrangements Chair, Mid-Year Meeting, Portland, Oregon, June 28-30, 2004
- ABJ25T - Task Force on the Traffic Monitoring Conferences (Miami, FL)
 - Planning Committee Member (9/1/2014 – 4/14/2016)
- ABJ25T- Task Force on the Traffic Monitoring Conferences (Seattle, WA)
 - Planning Committee Member (9/3/2009 – 4/14/2010)
- Independent Review Group for Chapter 9 of the Highway Safety Manual (1 of 3 members requested by TRB, National Academy of Sciences)