

01/21/2019

Kristina M. Currans, Ph.D., E.I.

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2702 E Malvern St
Tucson, Arizona 85716

EDUCATION

Portland State University <i>Major: Ph.D. in Civil Engineering; Focus: Transportation</i>	Portland, Oregon 2017
Portland State University <i>Major: M.S. in Civil Engineering; Focus: Transportation</i>	Portland, Oregon 2013
Oregon State University <i>Major: B.S. in Civil Engineering</i>	Corvallis, Oregon 2010

EMPLOYMENT & POSITIONS

2017-Present Assistant Professor, Planning; School of Landscape Architecture and Planning University of Arizona

- Parking Utilization and Site level VMT Database (2019-2021); PI. Kristina Currans; Co-PI: Nicole Iroz-Elardo, Chris McCahill (sponsored by Caltrans)
- LRT/BRT/SCT/CRT Development Outcomes FINAL PHASE (2018-2019); PI. Chris Nelson; Associate PI: Kristina Currans; Nicole Iroz-Elardo (sponsored by the National Institute of Transportation & Communities)
- Updating and Expanding LRT/BRT/SCT/CRT Data and Analysis (2017-Present); PI. Chris Nelson; Associate PI: Arlie Adkins, Kristina Currans (sponsored by the National Institute of Transportation & Communities)
- Economic Performance Metrics to Improve Transportation Investment Decision Making (2017-2018); PI: Chris Nelson; Associate PI: Kristina Currans (sponsored by Smart Growth America)

2017-Present Clifton-Currans LLC, Principal

- Advise and assist in redeveloping impact fee rate schedule for single-family and multifamily dwellings by size (2018-2019)
 - Clackamas County, Oregon (transportation system development charges)
 - City of Bend, Oregon (parks and recreation impact fees)
 - City of Eugene, Oregon (parks and recreation impact fees)
- Fehr & Peers: Advise and assist reconciliation of site-level transportation evaluation data for transportation system development charges (2016-2017)
- City of Portland, Oregon: Trip generation data collection design and analysis to support annual improvements to the transportation system development charge schedule (2017-2018)

2015-Present Consultant Work

- City of Portland, Oregon (through Portland State University):
 - Advise and assist in redeveloping transportation system development charge (TSDC) schedule for single-family dwellings by size (2018-2019);
 - Collect multifamily data to support updating TSDC schedule (2019);
 - Analyze and development update in institutional alternative methods for updating TSDC process (2020).
- Arlington Mobility Lab: Tech-transfer for the Household Travel Surveys Urban Context Adjustment Method (2015)

Kristina M. Currans, Ph.D, E.I.

- Research Consultant on PSU’s “Affordable Housing Trip Generation Strategies and Rates” project (2017-Present)

2016-2017 National Institute of Transportation & Communities Dissertation Fellow

2011-2017 Dwight David Eisenhower Transportation Fellow

2010-2017 Graduate Research Assistant, Oregon Modeling Collaborative

Adviser: Dr. Kelly Clifton, Portland, Oregon

PROJECTS (Principal Investigator: Kelly Clifton):

- Affordable Housing Trip Generation Strategies and Rates (2015-Present)
- Multimodal Trip Generation, Vehicle Ownership and Use: Characterizing the Travel Patterns of Residents of Multifamily Housing (2015-Present)
- Developing the Transportation System Development Charges for Portland, Oregon: Drafting a Request for Proposals and Providing Technical Advice (2015-2017)
- Improving Trip Generation Methods for Livable Communities (2015-2016)
- Understanding Residential Location Choices for Climate Change and Transportation Decision Making (2013-2015)
- Market Segments and Regional Travel Outcomes: Development of a Spreadsheet-based Toolkit for Estimating Travel Outcomes on a Regional Scale (2015)
- Impact analysis survey administration at grocery market with local partner: intercept survey instrument and mobile application development, survey administration design, data processing and analysis (2012-2015)
- Developing a Framework for Incorporating Mitigation Effectiveness into the TPR Process (2013)
- Development of Market Segments for Examining Current and Future Residential Location and Travel Choices (2012-2013)
- Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates (2011-2013)
- Consumer Behavior and Travel Mode Choices (2010-2012)
- Contextual Influences on Trip Generation (2010-2012)

OTHER PROJECTS:

- How Do Stressed Workers Make Travel Mode Choices that are Good for Their Health, Safety, and Productivity? (2016-Present; Principal Investigators: Liu-Qin Yang, Liming Wang, and Brad Wipfli)

2013-2014 Maseeh Graduate Fellow

2010-2011 Engineering Intern: Transportation Planning Analysis Unit, Oregon Department of Transportation

2010 Teacher’s Assistant; School of Civil Engineering, Oregon State University

2010 Engineering Academic Coach; College of Engineering, Oregon State University

2009 Engineering Intern 5; CH2M Hill, Government Facilities, and Infrastructure

2008 Engineering Intern; City of Portland, Transportation Department, Land Surveying

PROFESSIONAL CERTIFICATION

Kristina M. Currans, Ph.D, E.I.

Engineering Intern Certification (E.I), No. 83709EI, Oregon State Board of Registration for Professional Engineers & Land Surveyors (2010)

DISSERTATION & THESIS

Currans, Kristina M. Issues in Urban Trip Generation. *Dissertation*. Summer 2017.

Currans, Kristina M. Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates. *Masters Thesis*. Paper 987, September 2013. (Available online at: http://pdxscholar.library.pdx.edu/open_access_etds/987/)

PUBLICATIONS

Refereed Journal Articles

1. Currans, Kristina M.; Clifton, Kelly J. (2018). Exploring ITE's *Trip Generation Handbook: Assessing Age of Data and Land-Use Taxonomy in Vehicle Trip Generation for Transportation Impact Analysis*. *Transportation Research Part A: Policy and Practice*. Vol 118, pp. 387-398. (Available online at: <https://doi.org/10.1016/j.tra.2018.09.007>)
2. Gehrke, Steven R.; Currans, Kristina M.; Clifton, Kelly J (2018). Assessing the Importance of Housing, Accessibility, and Transportation Characteristics on Stated Neighborhood Preference. *International Journal of Urban Sciences*, Vol. 23, No. 1. (Available online at: <https://doi-org.ezproxy2.library.arizona.edu/10.1080/12265934.2018.1436983>).
3. Wang, Liming; Currans, Kristina M. (2018). De-Transformation Bias in Non-Linear Trip Generation Models. *Journal of Urban Planning and Development*. Vol. 144 (3), pp. 04018021-1-10
4. Howell, Amanda; Currans, Kristina M.; Gehrke, Steven R.; Norton, Gregory; Clifton, Kelly J. (2018). Informing the Transportation Impact of Affordable Housing Development Using Travel Survey Data for Trip Generation Analysis. *Journal of Transport and Land Use*, Vol. 11, No. 1, pp. 103-118. (Accessible at: <https://jtl.org/index.php/jtlu/article/view/1129>).
5. Currans, Kristina M. (2017). Issues in Trip Generation Methods for Transportation Impact Estimation of Land Use Development: A Review and Discussion of the State-of-the-Art Approaches. *Journal of Planning Literature*, Vol. 32, No. 4, pp. 335-345. (Accessible at: <https://doi-org.ezproxy2.library.arizona.edu/10.1177/0885412217706505>)
6. Clifton, Kelly J.; Currans, Kristina M. and Muhs, Christopher D. (2015). Adjusting ITE's Trip Generation Handbook for Urban Context. *Journal of Transport and Land Use*, Vol. 8, No. 1, pp. 5-29. (Accessible at: <https://jtlu.org/index.php/jtlu/article/view/378>).
7. Currans, Kristina M.; Clifton, Kelly J. (2015). Improving Vehicle Trip Generation Estimations for Urban Contexts: Using Household Travel Surveys as a method to Adjust ITE Trip Generation Rates. *Journal of Transport and Land Use*, Vol. 8, No. 1, pp. 85-119. (Accessible at: <https://jtlu.org/index.php/jtlu/article/view/470>).
8. Clifton, Kelly J; Muhs, Christopher D.; Morrissey, Tomás; Currans, Kristina M. (2014) Consumer Behavior and Travel Mode: An Exploration of Restaurant, Drinking Establishment and Convenience Store Patrons, *International Journal of Sustainable Transportation*, DOI: 10.1080/15568318.2014.897404.
9. Clifton, Kelly J.; Currans, Kristina M.; Muhs, Christopher D. (2013). Evolving the Institute of Transportation Engineers' *Trip Generation Handbook: A Proposal for Collecting Multi-modal, Multi-context, Establishment-level Data*. In *Transportation Research Record: Journal of the Transportation Research Board*, No. 2344 Travel Demand Forecasting, Vol. 2, Transportation

Research Board of the National Academies, Washington, D.C., pp. 107-117. (Accessible at: <https://trid.trb.org/View/1242521>).

10. Clifton, Kelly J.; Currans, Kristina M.; Cutter, April; Schneider, Robert. (2012). Household Travel Surveys in a Context-Based Approach for Adjusting ITE Trip Generation Rates in Urban Contexts. In *Transportation Research Record: Journal of the Transportation Research Board*, No. 2307 Planning, Transportation Research Board of the National Academies, Washington, D.C., 2012, pp. 108-119. (Accessible at: <https://trid.trb.org/View/1130606>).

Refereed Conference Proceedings

1. Currans, Kristina M. Compounding Overestimation of Automobile Traffic in Transportation Impact Studies. Lectern Presentation at the 57th Association of Collegiate Schools of Planning. Denver, Colorado. October 12-15th, 2017.
2. Currans, Kristina M.; Hurtubia, Ricardo; Clifton, Kelly J.; Erath, Alex; van Eggermond, Michael. Using Imagery in Stated Preference Surveys: Lessons Learned from a Review of the Practice. Poster Presentation at the 11th International Conference on Transport Survey Methods. Quebec, Canada. September 24-29, 2017.
3. Howell, Amanda; Currans, Kristina M.; Clifton, Kelly J. Evaluating the Transportation Impacts of Affordable Housing: Informing Development Review with Travel Behavior Analysis. Presented at the World Symposium on Transport and Land Use Research. Brisbane, Queensland, Australia. July 3-6, 2017.
4. Currans, Kristina M. Issues in Trip Generation Methods for Transportation Impact Estimation of Land Use Development: A Review and Discussion of the State-of-the-Art Approaches. Poster presentation at the 96th Annual Meeting of the Transportation Research Board of the National Academies in Washington, D.C. (2017).
5. Currans, Kristina M.; Clifton, Kelly J. Contextual Effects on Overall Activity at Food Retail Establishments in Portland, Oregon: A Count-Based Multilevel Model of Repeated Transaction Count Measures to Improve Transportation Impact Analyses. Poster presentation at the 96th Annual Meeting of the Transportation Research Board of the National Academies in Washington, D.C. (2017).
6. Clifton, Kelly J.; Currans, Kristina M. A Sustainable Multimodal Planning Framework for Transportation Impact Analysis. Poster presentation at the 96th Annual Meeting of the Transportation Research Board of the National Academies in Washington, D.C. (2017).
7. Wang, Liming; Currans, Kristina M. De-Transformation Bias in Non-Linear Trip Generation Models. Poster presentation at the 96th Annual Meeting of the Transportation Research Board of the National Academies in Washington, D.C. (2017).
8. Gehrke, Steven R.; Currans, Kristina M.; Clifton, Kelly J. The Importance of Housing, Accessibility, and Transport Characteristic Ratings on Stated Neighborhood Preference. 95th Annual Meeting of the Transportation Research Board, Washington, D.C. (2016).
9. Currans, Kristina M.; Gehrke, Steven R.; Clifton, Kelly J. The Use of Images in Transportation Surveys: Testing Respondents Perceptions of Housing, Transportation and Built Environment Characteristics. 94th Annual Meeting of the Transportation Research Board, Washington, D.C. (2015).
10. Currans, Kristina M.; Clifton, Kelly J. Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates. 93rd Annual Meeting of the Transportation Research Board, Washington, D.C. (2014).

11. Gehrke, Steven R.; Currans, Kristina M.; Clifton, Kelly J. The Impact of Residential Location Decisions on Miles Traveled, Trip Frequency, and Automobile Ownership for Households in the Portland Metropolitan Region. 93rd Annual Meeting of the Transportation Research Board, Washington, D.C. (2014).
12. Clifton, Kelly J., Muhs, Christopher D.; Currans, Kristina M.; Ritter, Chloe; Morrissey, Sara; and Roughton, Collin. Consumer Behavior and Travel Choices: A Focus on Cyclists and Pedestrians. 92nd Annual Meeting of the Transportation Research Board, Washington, D.C. (2013).
13. Clifton, Kelly J., Currans, Kristina M.; and Muhs, Christopher D. Evolving the Institute for Transportation Engineers' (ITE) *Trip Generation Handbook: A Proposal for Collecting Multi-modal, Multi-context, Establishment-level Data*. 92nd Annual Meeting of the Transportation Research Board, Washington, D.C. (2013).
14. Clifton, Kelly J.; Currans, Kristina M.; Cutter, April; Schneider, Robert. A Context-based Approach for Adjusting Institute of Transportation Engineers Trip Generation Rates. 91st Annual Meeting of Transportation Research Board. (2012).

Published Reports

1. Currans, Kristina M.; Nelson, Arthur C.; Chambers, Sam (August 2018) Memo on Economic Performance Metrics to Improve Transportation Investment Decision Making Part III: Summary of Initial Analysis, Last-Mile Performance Metric. Sponsored by Smart Growth America.
2. Currans, Kristina M.; Nelson, Arthur C.; Ruff, Alex; Chambers, Sam (August 2018) Economic Performance Metrics to Improve Transportation Investment Decision Making Part II, Supplement: Instruction for the UA "Value Added" GIS Tool. Sponsored by Smart Growth America.
3. Currans, Kristina M.; Nelson, Arthur C.; Chambers, Sam (August 2018) Economic Performance Metrics to Improve Transportation Investment Decision Making Part II: UA GIS Value Added Tool, A Transportation Project-Level Tool for Estimating the Net Impacts on Real Estate Value. Sponsored by Smart Growth America.
4. Currans, Kristina M.; Nelson, Arthur C. (May 2018) Economic Performance Metrics to Improve Transportation Investment Decision Making Part I: Literature Review and Economic Vitality Indicator Concepts. Sponsored by Smart Growth America.
5. Clifton, Kelly J; Currans, Kristina M.; Schneider, Robert; and Handy, Susan with Howell, Amanda; Abou-Zeid, Gabby; Bertini Ruas, Edgar; Roan, Sabina; and Gehrke, Steven R. Affordable Housing Trip Generation Rates and Strategies. Prepared for the California Department of Transportation (Caltrans) (September 2018). Contract: 65A0564; Task ID: 2465.
6. Yang, Liu-Qin; Wipfli, Brad; Wang, Liming; Cyr, Lee; Currans, Kristina. How do Stressed Workers Make Travel Mode Choices that are Good for their Health, Safety, and Productivity? Prepared for the National Institute for Transportation and Communities, (January 2018). Report: NITC-SS-995
7. Clifton, Kelly J.; Nico, Larco; Currans, Kristina; Wettach-Glossere, Jael. Improving Trip Generation Methods for Livable Communities. Prepared for the National Institute for Transportation and Communities, (2017). (Available online at: <http://nitc.trec.pdx.edu/research/project/757/>)
8. Clifton, Kelly J.; Gehrke, Steven R.; Currans, Kristina. Understanding Residential Location Choices for Climate Change and Transportation Decision Making. Phase 2 Project Report prepared for the National Institute for Transportation and Communities, (2015). [*published as a draft*]

9. Contributor to the *Trip Generation Handbook, 3rd Edition: An ITE Proposed Recommended Practice*. Principal Editor: Kevin G. Hooper; Institute of Transportation Engineers, (2014). (Available at: <http://ecommerce.ite.org/IMIS/ItemDetail?iProductCode=RP-028C.>)
10. Clifton, Kelly J.; Gehrke, Steven R.; Currans, Kristina; Liu, Jenny H.; Chen, Roger B. Understanding Residential Location Choices for Climate Change and Transportation Decision Making. Phase 1 Project Reports prepared for the Oregon Department of Transportation, (2013). [*published as a draft*]
11. Clifton, Kelly J.; Harris, Ashley; Currans, Kristina; Wagner, Zef. A Multimodal Framework for the Transportation Planning Rule Process. Report prepared for the Oregon Department of Transportation, (2013). [*draft*]
12. Currans, Kristina M. Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates. *Dissertations and Theses*. Paper 987, (2013). (Available online at: http://pdxscholar.library.pdx.edu/open_access_etds/987/)
13. Clifton, Kelly J.; Muhs, Christopher D; Morrissey, Sara; Morrissey, Tomás; Currans, Kristina M.; Ritter, Chloe. Consumer Behavior and Travel Mode Choices. Oregon Transportation Research and Education Consortium (OTREC) Research Report Draft [OTREC-RR], (2012). (Available online at: <http://otrec.us/project/411/>)
14. Clifton, Kelly J.; Currans, Kristina M.; Muhs, Christopher D. Contextual Influences on Trip Generation. Oregon Transportation Research and Education Consortium (OTREC) Research Report [OTREC-RR-12-13], (2012). (Available online at: <http://otrec.us/project/407/>)

Professional and White Papers (not refereed)

1. Bochner, Brian S.; Currans, Kristina M.; Dock, Stephanie P.; Clifton, Kelly J.; Gibson, Patrick A.; Hardy, Daniel K.; Hooper, Kevin, G.; Kim, Lee-Jung; McCourt, Ransford, S.; Samdahl, Donald R.; Sokolow, Gary, H.; Tierney, Lisa F. *Advances in Urban Trip Generation Estimation*. Institute of Transportation Engineer's Journal, (2016).
2. Institute of Transportation Engineer's Expert Panel on Urban Trip Generation. *Urban and Person Trip Generation*. White Paper published by Institute of Transportation Engineers, (2017).

Scholarly Works in Progress

1. **Currans, Kristina M.**; Nelson, Arthur C.; Chambers, Sam. A Framework to operationalize a Deep and Vast Literature for Practice: Translating Land Value Uplift Literature to Estimate Economic Impacts of Multimodal Transportation System Projects. *Under Review at the Transportation Research Record: Journal of the Transportation Research Board of the National Academies*. Washington, D.C.
2. Clifton, Kelly J.; Currans, Kristina M. Multimodal Trip Generation, Vehicle Ownership and Use: Characterizing the Travel Patterns of Residents of Multifamily Housing. Working Research Report for the National Institute of Transportation and Communities. *In Development*.
3. Deakin, Elizabeth; Nelson, Arthur C.; Currans, Kristina M.; Lee, David. Centennial Paper for the ADD30 Standing Committee on Transportation and Land Development of the Transportation Research Board of the National Academies. White Paper. *In development*.
4. Currans, Kristina M.; Abou-Zeid, Gabriella; Clifton, Kelly J.; Howell, Amanda; Schneider, Robert; Handy, Susan. Improving Transportation Impact Analyses for Affordable Housing Developments: A Data Collection and Analysis of Trip Generation Data. *In development*.
5. Currans, Kristina M.; Nelson, Arthur C.; Chambers, Sam. Real Estate Value for Last-Mile Freight Distribution Centers. *In development*.

6. Currans, Kristina M. Defining Peak Hour Traffic. *In development.*
7. Currans, Kristina M.; Clifton, Kelly J. Multimodal Variations in Site-Level “Peak Hour” of the Generator Traffic. *In development.*
8. Currans, Kristina M.; Gehrke, Steven R. Associations of development-level multimodal trip generation with mixed-use configuration and composition. *In development.*
9. Currans, Kristina M. Contextual Effects on Overall Activity at Food Retail Establishments in Portland, Oregon: A Count-Based Multilevel Model of Repeated Transaction Count Measures to Improve Transportation Impact Analyses. *In development.*
10. Clifton, Kelly J.; Currans, Kristina M. A Sustainable Multimodal Planning Framework for Transportation Impact Analysis. *In development.*
11. Wang, Liming; Currans, Kristina M. Aggregation Bias in Trip Generation Model Application. *In development.*
12. Currans, Kristina M. Revising the Definition of Pass-by and Diverted Link Trips: An Application of Household Travel Survey Data. *In development.*
13. Currans, Kristina M. Strategies and Issues for Implementing Dwelling-Size-Specific Residential Transportation System or Impact Fees or Charges. *In development.*

PRESENTATIONS (bold: presenter)¹

Presentations at Professional Meetings and Conferences

1. **Abou-Zeid, Gabriella;** Currans, Kristina M.; Clifton, Kelly J.; Howell, Amanda; Schneider, Robert. Improving Transportation Impact Analyses for Affordable Housing Developments: A Data Collection and Analysis of Trip Generation Data. *Lectern Presentation at the 98th Annual Meeting of the Transportation Research Board of the National Academies.* Washington, D.C. (January 14, 2019). *Won “Best Paper Award” from ADD30*
2. **Currans, Kristina M.;** Nelson, Arthur C.; Chambers, Sam. A Framework to operationalize a Deep and Vast Literature for Practice: Translating Land Value Uplift Literature to Estimate Economic Impacts of Multimodal Transportation System Projects. *Lectern Presentation at the 98th Annual Meeting of the Transportation Research Board of the National Academies.* Washington, D.C. (January 14, 2019).
3. **Hibberd, Robert;** Currans, Kristina M.; Nelson, Arthur C. Functional Form in Hedonic Regression: Determining the End of Significance of Transit Proximity Effects on Property Value Uplift. *Poster Presentation at the 98th Annual Meeting of the Transportation Research Board of the National Academies.* Washington, D.C. (January 15, 2019).
4. **Currans, Kristina M.;** Abou-Zeid, Gabriella; Clifton, Kelly J.; Howell, Amanda; Schneider, Robert; Handy, Susan. Trip Generation Data and Methods for Affordable Housing Developments. *Lectern Presentation at the 2018 Annual Association of the Collegiate Schools of Planning.* Buffalo, NY. October 27th, 2018.
5. **Howell, Amanda;** Currans, Kristina M.; Norton, Gregory; Clifton, Kelly J. Informing the Transportation Impact of Affordable Housing Development Using Travel Survey Data for Trip Generation Analysis. *Poster presentation at the 97th Annual Meeting of the Transportation Research Board of the National Academies.* Washington, D.C. (2018).

¹ Except for those listed previously in “conference proceedings”.

6. **Currans, Kristina M;** Clifton, Kelly J. Exploring ITE's Trip Generation Handbook: Assessing Age of Data and Land-Use Taxonomy in Vehicle Trip Generation for Transportation Impact Analyses. *Poster presentation at the 97th Annual Meeting of the Transportation Research Board of the National Academies.* Washington, D.C. (2018).
7. Currans, Kristina M.; Breiland, Kendra; Somers, David. Moderator: Kelly J. Clifton. Incorporating Innovations in Trip Generation into Practice: Advancing the Evaluation of Transportation Demand for Land Use Development. *Roundtable Presentation at the National Institute of Transportation and Communities Transportation and Communities Summit.* Portland, Oregon. September 11, 2017.
8. Currans, Kristina M. Issues in Urban Trip Generation. *Presented at the World Symposium on Transport and Land Use Research.* Brisbane, Queensland, Australia. July 3-6, 2017.
9. **Clifton, Kelly J.;** Howell, Amanda; Currans, Kristina M.; Holden, Olivia. Evaluating the transportation impacts of multifamily housing. *Presented at the 16th Transportation Research Board Planning Applications Conference.* Raleigh, North Carolina. May 14-18, 2017.
10. **Cyr, Lee;** Currans, Kristina M.; **Yang, Liu-Qin;** Wang, Liming. Influences of Commuter, Work, and Family Stress on Mode Choice. *Presented at the Work, Stress, and Health: Contemporary Challenges and Opportunities Conference.* Minneapolis, Minnesota. June 7-10, 2017.
11. **Clifton, Kelly J.;** Currans, Kristina M.; de Abreu e Silva, João. Satisfaction with Commute and Residential Environment: Explaining Dissonance Between Revealed and Stated Preferences for Neighborhoods. *Lectern presentation at the XIX Pan-American Conference of Traffic and Transportation Logistics in Mexico City, Mexico.* September 28, 2016.
12. **Currans, Kristina M. (moderator); Clifton, Kelly J.; Larco, Nico; Bell, Adrian.** Next Urbanism: Livable Communities in a World with Driverless Vehicles. Roundtable discussion at the Pro-Walk/Pro-Bike/Pro-Place Conference in Vancouver, B.C., Canada. September 13, 2016.
13. **Currans, Kristina M.;** Clifton, Kelly J.; Larco, Nico. Improving Multimodal Transportation Impact Methods for Livable Communities. *Lectern presentation at the Pro-Walk/Pro-Bike/Pro-Place Conference in Vancouver, B.C., Canada.* September 15, 2016.
14. Gehrke, Steven R.; **Currans, Kristina M.;** Clifton, Kelly J. The Importance of Housing, Accessibility, and Transport Characteristic Ratings on Stated Neighbourhood Preference. *Lectern presentation at the International Conference on Travel Behaviour Research, London, United Kingdom.* July 18, 2015.
15. **Currans, Kristina M.** Traffic Impact Analysis and Multimodal Estimation Using Household Travel Surveys. *Poster presentations at the Pro-Walk/Pro-Bike/Pro-Place conference, Pittsburgh, Pennsylvania,* September 10, 2014.
16. **Currans, Kristina M.;** Clifton, Kelly J. Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates. *Lectern presentation at the Transportation Research Board Innovations in Travel Modeling, Baltimore, Maryland,* April 29, 2014.
17. **Gehrke, Steven R.;** Currans, Kristina M.; Liu, Jenny H.; Clifton, Kelly J. Modeling the Travel Outcomes of Residents in the Portland Metropolitan Region in Regard to Residential Location Decisions. *Lectern presentation at the 53rd Annual Conference of the Association of Collegiate Schools of Planning.* Dublin, Ireland. July 18, 2013.
18. **Clifton, Kelly J.;** Muhs, Christopher D.; Morrissey, Tomás; Currans, Kristina M. Consumer Behavior and Travel Choices. *Lectern presentation at the Oregon Active Transportation Summit.* Salem, Oregon. April 24, 2013.

19. **Clifton, Kelly J.**; Currans, Kristina M.; Schneider, Robert; Steiner, Ruth. New Approaches to Estimating Trip Generation (Roundtable Session). Lectern presentation at the 53rd Annual Conference of the Association of Collegiate Schools of Planning. Cincinnati, Ohio. November 1, 2012.
20. **Currans, Kristina M.**; Muhs, Christopher D.; Clifton, Kelly J. Adjusting ITE's Trip Generation Handbook for Urban Context. Poster presentation at the Oregon Transportation Summit. Portland, Oregon. September 10, 2012.
21. **Muhs, Christopher**; Clifton, Kelly J.; Currans, Kristina M.; Morrissey, Sara; Ritter, Chloe; Lim, Myeonwoo. Handheld Tablet Technology in an Establishment-Intercept Survey. Lectern presentation at Western District Institute of Transportation Engineers Annual Meeting. Santa Barbara, California. June 25, 2012.
22. **Currans, Kristina, M.**; Clifton, Kelly J. Contextual Influences on Trip Generation. Lectern presentation at Western District Institute of Transportation Engineers Annual Meeting. Anchorage, Alaska. July 13, 2011.

Guest Course Lectures (not including studio reviews)

1. Transportation impact analyses. Course: Transportation Planning (PLG 468/568 Arlie Adkins). University of Arizona. Tucson, Arizona. Fall 2018.
2. Brief intro into transit planning and engineering topics. Course: Design Studio III: Tectonic Assembly (ARC 301, IOR: Michael Kothke), University of Arizona. Tucson, Arizona. Fall 2017.
3. Guest Reviewer for Course Project. Course: Design Studio I (PLG 515, IOR: Gina Chorover), University of Arizona. Tucson, Arizona. Fall 2017.
4. Intro to Transportation Demand Modeling. Course: Transportation Planning (PLG 568, IOR: Arlie Adkins), University of Arizona. Tucson, Arizona. Fall 2017.
5. Issues in Urban Trip Generation. Course: Urban Transportation Planning (USP 544, IOR: John Makler), Portland State University. Portland, Oregon. Fall 2015.
6. Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates. Course: Travel Demand Modeling (USP 587, IOR: Liming Wang), Portland State University. Portland, Oregon. Winter 2014.

Invited Talks, Workshops, and Webinars

1. **Currans, Kristina M.**; Abou-Zeid, Gabriella; Clifton, Kelly J.; Howell, Amanda; Schneider, Robert; Handy, Susan. An Original Data Collection of Person and Vehicle Trip Generation at Affordable Housing Developments. *Webinar for the Transportation Research Board of the National Academies*. Washington, D.C. (2019 forthcoming).
2. **Currans, Kristina M.**; Nelson, Arthur C. Impacts of Transportation Investment on Real Estate Value for Last-Mile Freight Distribution Center Locations. Arizona Board of Regents. Phoenix, Arizona. Video presentation November 12, 2018.
3. **Currans, Kristina M.**; Abou-Zeid, Gabriella; Clifton, Kelly J.; Howell, Amanda; Schneider, Robert; Handy, Susan. Trip Generation Data and Methods for Affordable Housing Developments. *Invited Brownbag Lectern for the Pima County Development Services*. Tucson, AZ. November 5th, 2018.
4. **Clifton, Kelly J.**; Currans, Kristina M.; Abou-Zeid, Gabriella; Howell, Amanda; Schneider, Robert; Handy, Susan. Affordable Housing Trip Generation Rates and Strategies. *Webinar for the California Department of Transportation (Caltrans)*. September 13th, 2018. Available online at: <http://www.dot.ca.gov/hq/tpp/offices/owd/horizons.html>

5. **Currans, Kristina M.**; Nelson, Arthur C. *Impacts of Transportation Investment on Real Estate Value*. Washington state. March 26, 2018.
6. **Currans, Kristina M.** *Exploring Issues in ITE's Trip Generation Handbook Vehicle Trip Generation Data*. Lectern presentation for the Pima Area Government Lecture Series. Tucson, Arizona. November 11th, 2017.
7. **Currans, Kristina M.** *Getting to Know the Data: Understanding Assumptions, Sensitivities, Uncertainty, and Being "Conservative" While Using ITE's Trip Generation Data in the Land Development Process*. Lectern presentation for Friday Transportation Seminar. Portland, Oregon. April 14th, 2017. (Available online at: <http://trec.pdx.edu/events/professional-development/getting-know-data-understanding-assumptions-sensitivities>.)
8. **Clifton, Kelly J.; Currans, Kristina M.** (2016). *Transforming Transportation Impact Analysis: A New Vision for Coordinating Transportation and Land Use*. Workshop for Transportation & Communities Summit, Portland, Oregon. September 8, 2016.
9. Gehrke, Steven R.; **Currans, Kristina M.**; Clifton, Kelly J. The Importance of Housing, Accessibility, and Transport Characteristic Ratings on Stated Neighbourhood Preference. Lectern presentation for Friday Transportation Seminar. Portland, Oregon. January 8, 2016. (Available online at: <http://trec.pdx.edu/events/professional-development/student-presentations-trb-week-1-0>.)
10. **Currans, Kristina M.** Trip Generation: Moving the State of the Practice into the Future. Lectern and discussant to the Initiative for Bicycle & Pedestrian Innovation Workshop 2.0: Comprehensive Bicycle Design & Engineering. Portland, Oregon. August 20, 2015.
11. **Currans, Kristina M.** Understanding Where We Live and How We Travel: The Development of an Online Visual Survey Tool and Pilot Studies Evaluating Preferences in Residential Neighborhood Choice and Commute. Lectern presentation for Friday Transportation Seminar. Portland, Oregon. October 17th, 2015. (Available online at: <http://www.pdx.edu/events/friday-transportation-seminar-understanding-where-we-live-and-how-we-travel?delta=0>.)
12. **Currans, Kristina M.** Thinking About People: An Urban-Context Adjustment to ITE's Trip Generation Handbook Using Household Travel Surveys. Workshop presentation for the Institute of Transportation Engineers Annual Meeting, Seattle, Washington, August 13, 2014.
13. **Currans, Kristina M.** Advances in Estimating the Transportation Impact of Development for Urban Locations. Workshop and webinar for the Initiative for Bicycle & Pedestrian Innovation (IBPI). Portland, Oregon. May 22nd, 2014. (Available online at: <http://www.pdx.edu/ibpi/trip-generation-webinar>.)
14. **Currans, Kristina M.** Improving Vehicle Trip Generation Estimations for Urban Contexts: A Method Using Household Travel Surveys to Adjust ITE Trip Generation Rates. Lectern presentation and discussion to the Urban Studies and Planning Travel Demand Modeling Class (USP 587), Portland State University. Portland, Oregon. January 30, 2014.
15. **Clifton, Kelly J.**; Muhs, Christopher D.; Morrissey, Tomás; Currans, Kristina M. Consumer Behavior and Travel Choices. Lectern presentation to Portland Development Commission. Portland, Oregon. April 11, 2013.
16. **Clifton, Kelly J.**; Muhs, Christopher D.; Currans, Kristina M. Contextual Influences on Trip Generation & Links between Mode Choice and Consumer Behavior. Lectern presentation to local businesses. Portland, Oregon. September 13, 2012.

17. **Currans, Kristina M.**; Clifton, Kelly J.; Cutter, April; Schneider, Robert. A Context-based Approach for Adjusting Institute of Transportation Engineers Trip Generation Rates. Lectern presentation at Portland State University, Friday Transportation Seminar. January 20, 2012.
18. **Clifton, Kelly J.**; Currans, Kristina M.; Muhs, Christopher D; Cutter, April; Morrissey, Sara; Ritter, Chloe; Lim, Myeonwoo. Contextual Influences on Trip Generation. Presented at the Transportation Policy Alternatives Committee. Portland, Oregon. August 31, 2012.
19. **Clifton, Kelly J.**; Currans, Kristina M.; Muhs, Christopher D; Cutter, April; Morrissey, Sara; Ritter, Chloe; Lim, Myeonwoo. Contextual Influences on Trip Generation. Presented at the Metro Technical Advisory Committee. Portland, Oregon. June 6, 2012.

TOOLS, TOOLKITS, OR OTHER PACKAGED APPLICATIONS

1. Clifton, Kelly J; Currans, Kristina M.; Schneider, Robert; and Handy, Susan with Howell, Amanda; Abou-Zeid, Gabby; Bertini Ruas, Edgar; Roan, Sabina; and Gehrke, Steven R. (September 2018). *CAT Tool: Caltrans Affordable Housing Trip Generation Tool*. Sponsored by the California Department of Transportation (Caltrans). Contract: 65A0564; Task ID: 2465.
2. Currans, Kristina; Nelson, Arthur C.; Chambers, Sam; Ruff, Alex. (August 2018). *UA "Value Added" GIS Tool*. Sponsored by Smart Growth America. Hosted and available through Smart Growth America.
3. Currans, Kristina. (2015). *Household Travel Surveys Urban Context Adjustment Method (HTS UCA) Tool*. Tech transfer sponsored by the Arlington Mobility Lab.

HONORS, GRANTS AND FELLOWSHIPS

Fellowships

1. *Student Fellow for the Institute for Sustainable Solutions*, Portland State University, Portland, Oregon (2016)
2. *National Institute for Transportation & Communities (NITC) Dissertation Fellowship*, NITC, Portland, Oregon (2016)
3. *Dwight David Eisenhower Transportation Graduate Fellowship*, United States Department of Transportation Fellowship Program Federal Highway Administration (2016)
4. *Maseeh Graduate Fellowship*, Maseeh College of Engineering and Computer Science (2013)
5. *Dwight David Eisenhower Transportation Graduate Fellowship*, United States Department of Transportation Fellowship Program Federal Highway Administration (2013)
6. *Dwight David Eisenhower Transportation Graduate Fellowship*, United States Department of Transportation Fellowship Program Federal Highway Administration (2012)
7. *Dwight David Eisenhower Transportation Graduate Fellowship*, United States Department of Transportation Fellowship Program Federal Highway Administration (2011)

Scholarships, Honors and Awards

1. *Best Paper Award* for the paper "Improving Transportation Impact Analyses for Affordable Housing Developments: A Data Collection and Analysis of Trip Generation Data", ADD30 Standing Committee on Transport and Development at the 2019 Annual Meeting of the Transportation Research Board of the National Academies (January 14th, 2019). Washington, D.C.
2. *Best Thesis Award*, World Society for Transport and Land Use Research (WSTLUR), Brisbane, Australia (2017).
3. *PhD Community Engagement Award*, Civil and Environmental Engineering, Portland State University (2017)

4. *OTREC/NITC Scholar Awards* (2011; 2012; 2013; 2014; 2015; 2016; 2017)
5. Ranked #1, *Dwight David Eisenhower Transportation Graduate Fellowship*, United States Department of Transportation Fellowship Program Federal Highway Administration (2013)
6. *Oregon Institute of Transportation Engineering Graduate Scholarship* (2012-2013)
7. 1st Place: *PORTAL Data Challenge—Communicating a Major Accident on the Marquam Bridge using Visualization of PORTAL Data*, Oregon Transportation Research & Education Consortium (2013)
8. *Michael Kyte Outstanding Student of the Year*, Region X University Transportation Centers (2012)
9. *Dean’s Lottery Award*, Department of Civil and Environmental Engineering, Maseeh College of Engineering & Computer Science, Portland State University (2012)
10. *Student of the Year*, Oregon Transportation Research and Education Consortium (2012)
11. *Outstanding Female Engineering Student*, Denice Dee Denton Women Engineers Hall of Fame, Maseeh College of Engineering & Computer Science, Portland State University (2012)
12. *Outstanding Graduate Student*, Department of Civil and Environmental Engineering, Maseeh College of Engineering & Computer Science, Portland State University (2012)
13. *Women in Transportation Scholarship*, WTS Portland Chapter (2011)
14. *Civil Engineering Student of the Year*, Oregon State University (2010)
15. 4th Place: “*Ethics in Civil Engineering in 2025*” Technical Paper/Presentation Northwest Regional Competition: ASCE (2010)
16. 1st Place: “*Sustainability and Civil Engineering*” Technical Paper/Presentation Northwest Regional Competition: ASCE (2009)

TEACHING & MENTORING

University of Arizona, College of Architecture, Planning, and Architecture

- PLG 511. *Women & the City* (2019)*
- PLG/GEOG/PA/PLG 514. *Analytic Methods in Planning and Strategic Management* (2018-2019) *
- PLG 469/569. *Transportation & Land Use* (2018-2019) *
- PLG 211. *Sex & the City* (2017-2018)
- MRED 415/515. *Construction and Project Management* (2017-2018) *

Portland State University, College of Engineering, undergraduate courses

- *Introduction to Transportation Engineering: Instructor* (2016)
- *Applied Statistics for Civil and Environmental Engineers: Substitute Lecturer* (2015)

Oregon State University, College of Engineering, undergraduate courses

- *Advanced Geographic Information Systems: Teacher’s Assistant* (2010)
- *Geographic Information Systems: Teacher’s Assistant* (2010)

Outreach and Mentoring

- Curriculum development and organizer for Portland State ChickTech Workshop for local high school girls (2016)
- Engineering Academic Coach (2010)

* *Developed original course material.*

MEMBERSHIPS, SERVICE, & LEADERSHIP ROLES

Journal Review Activity

- *Journal of Transport and Land Use*
- *Journal of the American Planning Association*
- *Transportation Research Record: Journal of the Transportation Research Board*
- *Open Transportation Journal*
- *Transportation Letters: International Journal of Transportation Research*
- *International Association for Travel Behaviour Research*
- *Sustainable Cities and Society*
- *Cities*
- *Journal of Urban Planning and Development*
- *Research in Transportation Business & Management*
- *Transportation Research Part D: Transport and Environment*
- *South African Geographical Journal*

National Service; Participation on Expert or Technical Panels

1. Editorial Board, *Journal of Urban Planning and Development* (2018-2019).
2. Committee Member, ADD30 Transportation and Land Development, Standing Committee of the Transportation Research Board of the National Academies (2018-2021)
3. High-Volume Review Coordinator, ADD30 Transportation and Land Development, Standing Committee of the Transportation Research Board of the National Academies (2018-2019)
4. Transportation and Affordable Housing, Track Chair, World Society for Transport and Land Use Research (WSTLUR), Brisbane, Australia (2019-2020)
5. Student Award Review Panel, Council for University Transportation Centers (2018)
6. The Institute of Transportation Engineer's Expert Panel on Parking Generation, *Panel Member* (2018-2019).
7. The Institute of Transportation Engineer's Expert Panel on Urban Trip Generation: *Panel Member* (2015-2017).
8. Project panels or technical advisory and review (* participation through my advisor):
 - Stakeholder Working Group Member; Ryan Airfield Master Plan Update (2018). Tucson, Arizona.
 - Hawaii Innovation Project Expert Review Panel (2018).
 - California Air Resource Board Project "Assessing the Travel Demand and Co-Benefit Impacts of Affordable Transit-Oriented Development (2017-2018)
 - Caltrans' Smart Growth Trip Generation Phase II (2015-2017) *
 - City of Los Angeles' Affordable Housing and Trip Generation (2014-2017) *
 - Virginia Department of Transportation's Survey on States' Use of Non-ITE Trip Generation Estimation Methods (2015)
9. Involvement in sub-committees to revise ITE Trip Generation Handbook for the 3rd edition (2012-2014).
10. Student Research Advisory Committee, Portland State University; *Member* (2012-2013).

Institutional Service – University of Arizona (UA)

1. Constitutional & Bylaws Committee, College of Architecture, Planning and Landscape Architecture (2019)
2. Member of the Steering Committee, Transportation Research Institute, University of Arizona (2018-2019)
3. Drachman Institute Task Force, College of Architecture, Planning, and Landscape Architecture (2018)
4. Research Subcommittee, Strategic Plan Task Force, College of Architecture, Planning, and Landscape Architecture (2018)
5. UA National Institute for Transportation & Communities Student Award Committee Member (2017-Present).

Kristina M. Currans, Ph.D, E.I.

Thesis/Dissertation Committees

1. Kyle Titlow, Geography, *committee member* (expected graduation: May 2018).
 - a. *Title*: “‘De Alguna Manera, Llegas,’ A Geographic Information Systems Study of Public Transit Accessibility for Precarious Settlements in Buenos Aires, Argentina”
 - b. *Award*: Wootan Master Thesis Award from the Council of University Transportation Centers (National, United States)

Current Memberships

1. Association of the Collegiate Schools of Planning
2. American Planning Association
3. World Society of Transport and Land Use Research

MEDIA OUTREACH

1. Highlighted in Fast Forward Newsletter; University of Nebraska-Lincoln Nebraska Transportation Center (2013). (Available online at: <http://fastforward.unl.edu/issues/issue1/kristinacurrans.html>)