

MARLON G. BOARNET

Sol Price School of Public Policy

University of Southern California, Los Angeles, CA

phone: 213-740-3696; email: boarnet@usc.edu

ACADEMIC EMPLOYMENT

University of Southern California, 2012 – present:

Chair, Dept. of Urban Planning and Spatial Analysis, Jan. 1, 2016 – present

Vice Dean for Academic Affairs, Price School of Public Policy, July – Dec., 2015

Senior Associate Dean for Academic Affairs, Price School of Public Policy, 2014-2015

Director of Graduate Programs in Planning, 2012 – 2015

Professor of Public Policy, 2012 - present

University of California, Irvine, 1991 – 2011

Professor of Planning, Policy, and Design and of Economics, 2004 – 2011

Director of Master of Urban and Regional Planning Program, 2009 – 2011

School of Social Ecology Faculty Chair, 2009 - 2011

Department Chair, Department of Planning, Policy, and Design, Jan., 2003 – Dec., 2006

Associate Professor of Planning, Policy, and Design and Economics, 1998-2004

Director of Masters and Ph.D. Programs in Urban and Regional Planning, 1999-2002

Assistant Professor (acting asst. prof., 1991) Urban and Regional Planning, 1991-1998

EDUCATION

Princeton University, Woodrow Wilson School of Public and International Affairs:

Ph.D. (Public Affairs), 1992, Master of Arts, 1990, Master in Public Affairs, 1988

Ph.D. Dissertation: *"Intra-Metropolitan Growth Patterns: The Nature and Causes of Population and Employment Changes within an Urban Area"*

Fields: Public Economics, Labor Economics

Rice University, Bachelor of Arts (physics), cum laude, 1984

HONORS

Fellow of the Weimer School of the Homer Hoyt Institute of Real Estate, 2014

David Boyce award for outstanding lifetime service, North American Regional Science Association, 2013

Fannie Mae Foundation Prize for Best Paper in Housing and Community Development, 2000
Association of Collegiate Schools of Planning conference

Honorable Mention, Graduate Student Faculty Mentor Award (one of three UC-Irvine faculty members recognized in 1999-2000)

Best of ACSP Award, 1997 Association of Collegiate Schools of Planning conference

EDITORIAL BOARDS

Managing Co-Editor, *Journal of Regional Science*, 2002 – 2010, co-editor, 2010 – 2014

Editorial Board Member: *Journal of Regional Science*, 1998 – 2002 and 2015 – present; *Papers in Regional Science*, 1999 – 2010; *Journal of the American Planning Association*, 2004 – present (associate editor since 2005); *Journal of Planning Literature*, 2005 – present; *Journal of Transport and Land Use*, 2007 – present; *Transport Policy*, 2011 – present

NATIONALLY NOTABLE SERVICE

Western Regional Representative, Association of Collegiate Schools of Planning Governing Board (elected), Jan. 1, 2012 – Dec. 31, 2015

National Academy of Sciences/National Research Council Committee on Relationships Among Development Patterns, Vehicle Miles Traveled, and Energy Consumption, 2007 – 2009

Guest Editor, *Journal of American Planning Association*, special issue on health and planning, Winter, 2006

Elected Councilor, North American Regional Science Association, 1999-2001

CITATION METRICS**Google Scholar**

(as of Jan. 3, 2017)

Citations: 7,567

h-index: 39

i10-index: 68

Google Scholar category

rank (as of Jan. 3, 2017)

Real Estate: 3rd

Regional Science: 8th

Urban Economics: 11th

Urban Planning: 15th

Transportation: 32nd

ISI Web of Science

(as of Jan. 3, 2017)

Citations: 2,214

h-index: 24

i10-index: 44

BOOKS

Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO₂ Emissions. Washington, D.C.: National Academy of Sciences / National Research Council, August, 2009. (Note: NAS/NRC reports are authored by study committees. Boarnet was a member of the authoring committee on “Relationships Among Development Patterns, Vehicle Miles Traveled, and Energy Consumption.”)

M. Boarnet (ed.), *Transportation Infrastructure: The Challenge of Rebuilding America.* Chicago, IL: The American Planning Association (Planning Advisory Service report number 557), 2009.

M. Boarnet and R. Crane, *Travel by Design: The Influence of Urban Form on Travel.* Oxford University Press, 2001.

JOURNAL ARTICLES

A. Hong, M. Boarnet, and D. Houston, “New Light Rail and Active Travel: A Longitudinal Study,” *Transportation Research Part A*, 2016, vol. 92, pp. 131-144.

S. Spears, M. Boarnet, and D. Houston, “Driving Reduction after the Introduction of Light Rail Transit: Evidence from an Experimental-Control Group Evaluation of the Los Angeles Expo Line,” *Urban Studies*, forthcoming (online as of July, 2016)

<https://doi.org/10.1177/0042098016657261>.

JOURNAL ARTICLES (continued)

M. Boarnet, X. Wang, and D. Houston, "Can New Light Rail Reduce Personal Vehicle Carbon Emissions? A Before-After, Experimental-Control Evaluation in Los Angeles," *Journal of Regional Science*, forthcoming (online as of May, 2016) DOI: 10.1111/jors.12275.

H. Dillon, J.D. Saphores, and M. Boarnet, "The Impact of Urban Form and Gasoline Prices on Vehicle Usage: Evidence from the 2009 National Household Travel Survey," *Research in Transportation Economics*, 2015, vol. 52, pp. 23-33.

K. Joh, S. Chakrabarti, M. Boarnet, and A. Woo, "The Walking Renaissance: A Longitudinal Analysis of Walking Travel in the Greater Los Angeles Area, USA," *Sustainability*, 2015, vol. 7, pp. 8985-9011.

M. Boarnet and H-P Hsu, "The Gender Gap in Non-Work Travel: The Relative Roles of Income Earning Potential and Land Use," *Journal of Urban Economics*, 2015, vol. 86, pp. 111-127.

D. Houston, M. Boarnet, G. Ferguson, and S. Spears, "Can Compact Rail Transit Corridors Transform the Automobile City? Planning for More Sustainable Travel in Los Angeles," *Urban Studies*, 2015, vol. 52, number 5, pp. 938-959.

D. Houston, T.T. Luong, and M. Boarnet, "Tracking Daily Travel: Assessing Discrepancies Between GPS-Derived and Self-Reported Travel Patterns," *Transportation Research Part C*, vol. 48, 2014, pp. 97-108.

B. van Wee and M. Boarnet, "Reaction to the paper 'Tempest in a Teapot: The Exaggerated Problem of Transport-Related Residential Self-Selection as a Source of Error in Empirical Studies,'" *Journal of Transport and Land Use*, 2014, vol. 7, no. 3.

M. Boarnet, "National Transportation Planning: Lessons from the U.S. Interstate Highways," *Transport Policy*, 2014, vol. 31, pp. 73-82.

A Chen, M. Boarnet, and M. Partridge, "Introduction to the RUSE Workshop 2012 Symposium Issue: Regional Competition, Agglomeration and Housing Markets in China," *Journal of Regional Science*, 2014, vol. 54, no. 4, pp. 547-549.

S. Spears, D. Houston, M. Boarnet, "Illuminating the unseen in transit use: A framework for examining the effect of attitudes and perceptions on travel behavior," *Transportation Research Part A*, vol. 58, 2013, pp. 40-53.

M. Boarnet, "The Transportation Transformation of our Cities Will be More Important than Density Changes," *Cityscape*, 2013, vol. 15, no. 3, pp. 175-177.

JOURNAL ARTICLES (continued)

H. Pan, C. Bartolome, E. Gutierrez, M. Princevac, R. Edwards, M. Boarnet, and D. Houston, "Investigation of Roadside Fine Particulate Matter Concentration Surrounding Major Arterials in Five Southern Californian Cities," *Journal of the Air & Waste Management Association*, vol. 63, issue 4, April, 2013, pp. 482-498.

M. Boarnet, "The Declining Role of the Automobile and the Re-emergence of Place in Urban Transportation: The Past will be Prologue," *Regional Science Policy and Practice*, vol. 5, no. 2, 2013, pp. 237-254.

M. Partridge, M. Boarnet, S. Brakman, and G. Ottaviano, "Introduction: Whither Spatial Econometrics," *Journal of Regional Science*, 2012, vol. 52, no. 2, pp. 167-171.

D. Salon, M. Boarnet, S. Handy, S. Spears, G. Tal, "How Do Local Actions Affect VMT? A Critical Review of the Empirical Evidence," *Transportation Research Part D*, volume 17, issue 7, October, 2012, pp. 495-508 (lead article.)

K. Joh, M. Nguyen, and M. Boarnet, "Can Built and Social Environmental Factors Encourage Walking Among Individuals with Negative Walking Attitudes?" *Journal of Planning Education and Research*, volume 32, issue 2, June 2012, pp. 219-236.

M. Boarnet, "Longer View: A Broader Context for Land Use and Travel Behavior, and a Research Agenda." *Journal of the American Planning Association*, volume 77, number 3, Summer, 2011, pp. 197-213.

M. Boarnet, D. Houston, R. Edwards, M. Princevac, G. Ferguson, H. Pan, and C. Bartolome, "Fine Particulate Concentrations on Sidewalks in Five Southern California Cities," *Atmospheric Environment*, volume 45, issue 24, August 2011, Pages 4025-4033.

M. Boarnet, R. McLaughlin, and J. Carruthers, "Does State Growth Management Change the Pattern of Urban Growth? Evidence from Florida," *Regional Science and Urban Economics*, volume 41, issue 3, May, 2011, pp. 236-252.

M. Boarnet, A. Forsyth, K. Day, and M. Oakes, "The Street Level Built Environment and Physical Activity and Walking: Results of a Predictive Validity Study for the Irvine Minnesota Inventory," *Environment and Behavior*, volume 43, issue 6, November 2011, pp. 735-775 (lead article.)

M. Boarnet, K. Joh, W. Siembab, W. Fulton, and M. Nguyen, "Retrofitting the Suburbs to Increase Walking: Evidence from a Land Use – Travel Study," *Urban Studies*, volume 48, issue 1, January 2011, pp. 129-159.

JOURNAL ARTICLES (continued)

M. Boarnet, "Planning, Climate Change, and Transportation: Thoughts on Policy Analysis," *Transportation Research A*, volume 44, issue 8, October, 2010, pp. 587-595.

R. Funderburg, H. Nixon, M. Boarnet, and G. Ferguson, "New Highways and Land Use Change: Results From a Quasi-Experimental Research Design," *Transportation Research A*, volume 44, issue 2, February, 2010, pp. 76-98.

K. Joh, M. Boarnet, M. Nguyen, W. Fulton, W. Siembab, and S. Weaver, "Accessibility, Travel Behavior, and New Urbanism: Case Study of Mixed-Use Centers and Auto-Oriented Corridors in the South Bay Region of Los Angeles, California," *Transportation Research Record: The Journal of the Transportation Research Board*, volume 2082, 2009, pp. 81-89.

M. Boarnet, M. Greenwald, and T. McMillan, "Walking, Urban Design, and Health: Toward a Cost-Benefit Analysis Framework," *Journal of Planning Education and Research*, volume 27, 2008, pp. 341-358.

R. Funderburg, and M. Boarnet, "Agglomeration Potential: The Spatial Scale of Industry Linkages in the Southern California Economy," *Growth and Change*, volume 39, number 1, March, 2008, pp. 24-57.

M. Alfonzo, M. Boarnet, K. Day, T. McMillan, and C. Anderson, "The Relationship of Neighborhood Built Environment Features and Adult Parents' Walking," *Journal of Urban Design*, volume 13, number 1, February, 2008, pp. 29-51.

M. Boarnet, "Planning's Role in Building Healthy Cities: An Introduction to the Special Issue," *Journal of the American Planning Association*, volume 72, number 1, Winter, 2006.

T. McMillan, K. Day, M. Boarnet, M. Alfonzo, and C. Anderson, "Johnny Walks to School – Does Jane? Sex Differences in Children's Active Travel to School." *Children, Youth, and Environments*, volume 16, issue 1, 2006.

K. Day, M. Boarnet, M. Alfonzo, and A. Forsyth, "The Irvine Minnesota Inventory to Measure Built Environments: Development," *American Journal of Preventive Medicine*, volume 30, issue 2, Feb., 2006, pp. 144-152

M. Boarnet, K. Day, M. Alfonzo, A. Forsyth, and M. Oakes, "The Irvine Minnesota Inventory to Measure Built Environments: Reliability Tests," *American Journal of Preventive Medicine*, volume 30, issue 2, Feb., 2006, pp. 153-159.

JOURNAL ARTICLES (continued)

J.D. Saphores and M. Boarnet, "Uncertainty and the Timing of an Urban Congestion Relief Investment: The No-Land Case," *Journal of Urban Economics*, volume 59, issue 2, March, 2006, pp. 189-208.

M. Boarnet, R. Crane, D. Chatman, and M. Manville, "Emerging Planning Challenges in Retail: The Case of Wal-Mart," *Journal of the American Planning Association*, volume 71, issue 4, Fall, 2005.

M. Boarnet, K. Day, C. Anderson, T. McMillan, and M. Alfonzo, "California's Safe Routes to School Program: Impacts on Walking, Bicycling, and Pedestrian Safety," *Journal of the American Planning Association*, volume 71, issue 3, Summer, 2005, pp. 301-317.

M. Boarnet, S. Chalermpong, and E. Geho, "Specification Issues in Models of Population and Employment Growth," *Papers in Regional Science: The Journal of the RSAI*, volume 84, number 1, March, 2005 pp. 21-46.

M. Boarnet, C. Anderson, K. Day, T. McMillan, and M. Alfonzo, "Evaluation of the California Safe Routes to School Legislation: Urban Form Changes and Children's Active Transportation To School," *American Journal of Preventive Medicine*, volume 28, issue 2, supplement 2, February, 2005, pp. 134-140.

P.O. Plaut and M. Boarnet, "New Urbanism and the Value of Neighborhood Design," *Journal of Architectural and Planning Research*, volume 20, number 3, pp. 254-265, Fall, 2003.

S. Handy, M. Boarnet, R. Ewing, and R. Killingsworth, "The Built Environment and Physical Activity: Contributions from the Field of Urban Planning," *American Journal of Preventive Medicine*, vol. 23, no. 2, pp. 64-73, August, 2002.

M. Boarnet and A. Glazer, "Federal Grants and Yardstick Competition," *Journal of Urban Economics*, volume 52, issue 1, pp. 53-64, July, 2002.

M. Greenwald and M. Boarnet, "The Built Environment as a Determinant of Walking Behavior: Analyzing Non-Work Pedestrian Travel in Portland, Oregon," *Transportation Research Record*, number 1780, pp. 33-42, 2002.

M. Boarnet and S. Chalermpong, "New Highways, House Prices, and Urban Development: A Case Study of Toll Roads in Orange County, California," *Housing Policy Debate*, volume 12, issue 3, pp. 575-605, 2001.

M. Boarnet and M. Greenwald, "Land Use, Urban Design, and Non-Work Travel: Reproducing for Portland, Oregon Empirical Tests from Other Urban Areas," *Transportation Research Record*, number 1722, pp. 27-37, 2001.

JOURNAL ARTICLES (continued)

M. Boarnet and R. Crane, "The Influence of Land Use on Travel Behavior: Empirical Strategies," *Transportation Research, A*, volume 35, number 9, pp. 823-845, Nov., 2001.

M. Boarnet, "Enterprise Zones and Economic Development: How Can We Learn More?" *Economic Development Quarterly*, volume 15, number 3, pp. 242-254, August, 2001.

M. Boarnet, "Road Infrastructure, Economic Productivity, and the Need for Highway Finance Reform," *Public Works Management and Policy*, volume 3, number 4, pp. 289-303, April, 1999.

M. Boarnet, E. Kim, and E. Parkany, "Measuring Traffic Congestion," *Transportation Research Record*, number 1634, pp. 93-99, 1999.

M. Boarnet and N. Compin, "Transit-Oriented Development in San Diego County: The Incremental Implementation of a Planning Idea," *Journal of the American Planning Association*, volume 65, number 1, pp. 80-95, Winter, 1999.

M. Boarnet, "Spillovers and the Locational Effects of Public Infrastructure," *Journal of Regional Science*, volume 38, number 3, pp. 381-400, August, 1998 (lead article.)

M. Boarnet and S. Sarmiento, "Can Land Use Policy Really Affect Travel Behaviour? A Study of the Link Between Non-Work Travel and Land Use Characteristics," *Urban Studies*, volume 35, number 7, pp. 1155-1169, June, 1998.

Above reprinted in "The Automobile," Lars Lundqvist, Kenneth Button, and Peter Nijkamp (eds.), Edward Elgar Publishing, Ltd., 2002.

M. Boarnet, "Business Losses, Transportation Damage, and the Northridge Earthquake," *Journal of Transportation and Statistics*, volume 1, number 2, pp. 49-63, May, 1998.

M. Boarnet and R. Crane, "Public Finance and Transit-Oriented Planning: Evidence from Southern California," *Journal of Planning Education and Research*, volume 17, number 3, pp. 206-219, Spring, 1998.

M. Boarnet, "Highways and Economic Productivity: Interpreting Recent Evidence," *Journal of Planning Literature*, volume 11, number 4, pp. 476-486, May, 1997.

JOURNAL ARTICLES (continued)

M. Boarnet, "Infrastructure Services and the Productivity of Public Capital: The Case of Streets and Highways," *National Tax Journal*, volume 50, number 1, pp. 39-57, March, 1997.

Above reprinted in (1) "Readings in Urban Economics : Issues and Public Policy," Robert W. Wassmer (ed.), Blackwell Publishers, 2000, and (2) "Transport Infrastructure," Roger Stough, Roger Vickerman, Kenneth Button, and Peter Nijkamp (eds.), Edward Elgar Publishing, Ltd., 2002.

M. Boarnet and R. Crane, "L.A. Story: A Reality Check for Transit-Based Housing," *Journal of the American Planning Association*, volume 63, number 2, Spring, 1997.

M. Boarnet and W.T. Bogart, "Enterprise Zones and Employment: Evidence From New Jersey," *Journal of Urban Economics*, volume 40, number 2, pp. 198-215, September, 1996.

M. Boarnet, "The Monocentric Model and Employment Location," *Journal of Urban Economics*, volume 36, number 1, pp. 79-97, July, 1994.

Above reprinted in, "Recent Developments in Urban and Regional Economics," Paul C. Cheshire and Gilles Duranton (eds.), Edward Elgar Publishing Ltd., 2004.

M. Boarnet, "An Empirical Model of Intrametropolitan Population and Employment Growth," *Papers in Regional Science, The Journal of the RSAI*, volume 73, number 2, pp. 135-152, April, 1994.

BOOK CHAPTERS, REFEREED REPORTS, OTHER PUBLICATIONS

M. Boarnet, "Land Use, Travel Behavior, and Disaggregate Travel Data," in *Geography of Urban Transportation*, 4th Edition, edited by Genevieve and Giuliano and Susan Hanson, Guilford Press, forthcoming.

M. Boarnet and R. Green, "How Should Cities Manage Economic Development? Highlights from Theory and Practice," in *Cities as Seedbeds for Responsible Innovation*, edited by Karima Kourtit, Peter Nijkamp, and Roger Stough, Edward Elgar, forthcoming.

M. Boarnet, "Land Use and Travel Behavior: Moving from Hypothesis Tests and Forecasts to Evaluation and Context," in *Oxford Handbook of Urban Planning*, edited by Randall Crane and Rachel Webber, New York: Oxford University Press, 2012.

M. Boarnet, "Metropolitan Los Angeles and Transportation Planning: Back to the Future," in *Planning Los Angeles*, edited by David Sloane, Chicago: American Planning Association Press, April 2012.

BOOK CHAPTERS, REFEREED REPORTS, OTHER PUBLICATIONS (continued)

M. Boarnet, K. Joh, W. Siembab, F. Fulton, and M. Nguyen, "Retrofitting the Suburbs to Increase Walking," (a reduced version of Urban Studies article by the same name, for a policy audience), ACCESS magazine, University of California Transportation Center, volume 39, Fall, 2011. Available at http://www.uctc.net/access/39/access39_suburbwalking.shtml.

M. Boarnet, D. Houston, G. Ferguson, and S. Spears, "Land Use and Vehicle Miles of Travel in the Climate Change Debate: Getting Smarter than Your Average Bear," in *Climate Change and Land Policies*, edited by Yu-Hung Hong and Gregory Ingram, Cambridge, Massachusetts: Lincoln Institute of Land Policy, May, 2011, ISBN 978-1-55844-217.

M. Boarnet and L. Takahashi, "Will the Past be Prologue? Interactions Between Urban Design and Public Health," in *Urban Design: Roots, Influences, and Trends, The Routledge Companion to Urban Design*, edited by Anastasia Loukaitou-Sideris and Tridib Banerjee, New York: Routledge, 2011.

M. Boarnet, "Planning's Moment," Viewpoint column in *Planning Magazine* (circulated to all members of the American Planning Association), December, 2009, p. 48.

M. Boarnet, "Transportation Planning: Crisis and Opportunity," in *Transportation Infrastructure: The Challenges of Rebuilding America*, edited by Marlon G. Boarnet, Chicago, American Planning Association, 2009.

M. Boarnet, L. Marsh, C. Lunghino, and L. Olmos, "Sustainable Goods Movement in Southern California: The Promise of Collaborative Planning," in *Transportation Infrastructure: The Challenges of Rebuilding America*, edited by Marlon G. Boarnet, Chicago, American Planning Association, 2009.

M. Boarnet, "Transportation Infrastructure and Sustainable Development: New Planning Approaches for Urban Growth," ACCESS, number 33. Berkeley, California: University of California Transportation Center. Fall, 2008.

J. Carruthers, M. Boarnet, and R. McLaughlin, "Growth Management and the Spatial Outcome of Regional Development in Florida, 1982 – 1997," in *Growth Management in Florida: Planning for Paradise*, edited by Timothy S. Chapin, Charles E. Connerly and Harrison T. Higgins. Ashgate, 2007.

M. Boarnet, "Conducting Impact Evaluations in Urban Transport," Paper Number 5 in the Doing Impact Evaluation Series, The World Bank (Thematic Group on Poverty Analysis, Monitoring, and Impact Evaluation), 2007, available at < http://siteresources.worldbank.org/INTISPMA/Resources/383704-1146752240884/Doing_ie_series_05.pdf>.

BOOK CHAPTERS, REFEREED REPORTS, OTHER PUBLICATIONS (continued)

M. Boarnet and L. Takahashi, "Bridging the Divide Between Urban Health and Urban Planning," in *Handbook of Urban Health*, edited by Sandro Galea and David Vlahov. Kluwer Academic Publishers, forthcoming, 2005.

F. Medda and M. Boarnet, "An Analysis of the Effects of Urban Land Use on Transportation," in *Social Dimensions of Sustainable Transport: Transatlantic Perspectives*, edited by Kieran Donaghy, Stefan Poppelreuter, and Georg Rudinger. Ashgate Press, 2005.

M. Boarnet and J. DiMento, "The Private Sector's Role in Highway Finance: Lessons from California's State Route 91," *ACCESS*, number 25. Berkeley, California: University of California Transportation Center. Fall, 2004.

S. Rey and M. Boarnet, "A Taxonomy of Spatial Econometric Models for Simultaneous Equations Systems," in *Advances in Spatial Econometrics*, edited by Luc Anselin and Raymond Florax, Springer-Verlag, 2004.

M. Boarnet, "The Built Environment and Physical Activity: Empirical Methods and Data Resources," refereed background paper prepared for the Transportation Research Board – Institute of Medicine panel on *Does the Built Environment Influence Physical Activity? Examining the Evidence*, Washington, D.C.: Transportation Research Board of the National Academies, 2004. <http://trb.org/downloads/sr282papers/sr282Boarnet.pdf>.

M. Boarnet, chapter 9, "Economic Development" in *Effective Methods for Environmental Justice Assessment*, by D. Forkenbrock and J. Sheeley, NCHRP Report # 532, Washington, D.C.: Transportation Research Board of the National Academies, 2004. http://gulliver.trb.org/publications/nchrp/nchrp_rpt_532.pdf.

M. Boarnet, chapter 12 "Land Prices and Property Values" in *Effective Methods for Environmental Justice Assessment*, by D. Forkenbrock and J. Sheeley, NCHRP Report # 532, Washington, D.C.: Transportation Research Board of the National Academies, 2004. http://gulliver.trb.org/publications/nchrp/nchrp_rpt_532.pdf.

M. Boarnet, J. DiMento, and G. Macey, "*Toll Highway Finance in California: Lessons from Orange County*," Final Report on California Policy Research Center project, April, 2002. www.ucop.edu/cprc/tollroadrpt.pdf.

M. Boarnet and A. Haughwout, "Do Highways Matter? Evidence and Policy Implications of Highways' Influence on Metropolitan Development," refereed discussion paper of the Brookings Institution Center on Urban and Metropolitan Policy, August, 2000. <http://brookings.edu/es/urban/boarnet.pdf>.

BOOK CHAPTERS, REFEREED REPORTS, OTHER PUBLICATIONS (continued)

M. Boarnet, review of *Industrial Incentives: Competition Among American States and Cities* by Peter Fisher and Alan Peters, *Regional Science and Urban Economics*, volume 29, number 6, pp. 787-791, November, 1999.

M. Boarnet, "What Role for Transit Villages?," review of *Transit Villages in the 21st Century* by Michael Bernick and Robert Cervero, *Journal of Architectural and Planning Research*, volume 15, number 4, pp. 358-360, Winter, 1998.

M. Boarnet, "New Highways and Economic Growth: Rethinking the Link," *ACCESS*, number 7. Berkeley, California: University of California Transportation Center. Fall, 1995.

PUBLIC SCHOLARSHIP

Note: This section includes selected refereed articles, opinion pieces, and other writings, many of which appear elsewhere in this c.v. All the works in this section are written for outlets that are circulated to broad audiences with intent to communicate research findings to policy communities and to inform public debate.

M. Boarnet and Susan Handy (co-principal investigators) with various co-authors, policy briefs to inform the implementation of California Senate Bill 375 (Steinberg, 2008). Briefs were written for the California Air Resources Board, and posted on the Air Resources Board's web site as policy resources for metropolitan planning organizations, local governments, state agencies, and the public. Each brief canvasses the best available empirical literature to assess the effect of changes in policies on vehicle miles of travel and greenhouse gas emissions. Each brief includes an assessment of the magnitude of the policy impact and the state of the empirical knowledge, including caveats and shortcomings in the knowledge base as appropriate. The briefs are written in lay terms, condensing large literatures into short, five to seven page documents which are accessible to the public. See <http://arb.ca.gov/cc/sb375/policies/policies.htm>.

Editorial, Los Angeles Times, "How L.A. Can Improve Its Return on Our Multi-Billion Dollar Transit Investment," with Gary Painter, May 16, 2016.

M. Boarnet, "Planning, climate change, and transportation: Thoughts on policy analysis," *Transportation Research A*, forthcoming, doi:10.1016/j.tra.2010.03.001.

This peer-reviewed article critically assesses two opposing policy perspectives on the role of land use and transportation in climate change policy. The article relates land use – transportation theory and evidence to the climate change debate and makes policy recommendations based on the literature.

M. Boarnet, "Planning's Moment," Viewpoint column in *Planning Magazine* (circulated to all members of the American Planning Association), December, 2009, p. 48.

PUBLIC SCHOLARSHIP (continued)

Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO₂ Emissions. Washington, D.C.: National Academy of Sciences / National Research Council, August, 2009. (Note: NAS/NRC reports are authored by study committees. Boarnet was a member of the authoring committee on “Relationships Among Development Patterns, Vehicle Miles Traveled, and Energy Consumption.”)

Toll Lanes: Which Way? Letter to the Editor, Los Angeles Times, in response to editorial on equity impacts of toll roads, June 14, 2009.

M. Boarnet (ed.), *Transportation Infrastructure: The Challenge of Rebuilding America.* Chicago, IL: The American Planning Association (Planning Advisory Service report number 557), 2009.

This monograph was compiled with an eye to the urgency and severity of the transportation challenges in the United States in early 2009, timed to be available in the early days of the Obama administration. Leading researchers, scholars, and practitioners in transportation planning were solicited to offer best practices and visionary ideas, with a special focus on the issues of economic stimulus and greenhouse gas emissions which dominated transportation policy debate during the transition from the Bush to the Obama administration. The American Planning Association (APA) used this monograph to articulate planning’s voice in national debates about transportation policy. The work was circulated to all subscribers to the APA’s Planners Advisory Service and offered for sale by the APA.

UNPUBLISHED WORKING PAPERS

M. Boarnet, K. Nesamani, and C. Smith, “Comparing the Influence of Land Use on Nonwork Trip Generation and Vehicle Distance Traveled: An Analysis Using Travel Diary Data,” Nov., 2003.

SELECTED WORKING PAPERS AND RESEARCH REPORTS (not listed above)

M. Boarnet, R. Edwards, M. Princevac, J. Wu, H. Pan, C. Bartolome, G. Ferguson, A. Fazl, and R. Lejano, “*Near-Source Modeling of Transportation Emissions in Built Environments Surrounding Major Arterials,*” final report to the University of California Transportation Center, August, 2009.

M. Boarnet, R. Crane, D. Chatman, and M. Manville, “*Supercenters and the Transformation of the Bay Area Grocery Industry,*” San Francisco: Bay Area Economic Forum. January, 2004. <http://www.bayeconfor.org/pdf/PPRSCscreen11.2.pdf>

M. Boarnet, C. Anderson, K. Day, T. McMillan, and M. Alfonzo. “*Safe Routes to School,*” volumes 1 and 2. Sacramento, California: California Department of Transportation, December. December, 2003. Available on-line at <http://www.dot.ca.gov/hq/LocalPrograms/saferoute2.htm>.

SELECTED WORKING PAPERS AND RESEARCH REPORTS (continued)

M. Boarnet and S. Chalermpong, "*New Highways, Induced Travel, and Urban Growth Patterns: A 'Before and After' Test*," Final report submitted to the U.S. Environmental Protection Agency, September, 2002. www.uctc.net/paper/559.pdf

R. Wassmer and M. Boarnet, "*The Benefits of Growth*," Washington, D.C.: The Urban Land Institute. 2001. http://research.uli.org/Content/Reports/PolicyPapers/WP_664.pdf

M. Boarnet "*Transportation Infrastructure, Economic Productivity, and Geographic Scale: Aggregate Growth versus Spatial Redistribution*," Department of Urban and Regional Planning working paper number 1995-21, University of California, Irvine, February, 1995; also University of California Transportation Center working paper number 255.

M. Boarnet, "*Economic Impacts of the Northridge Earthquake's Transportation Damage: Results from a Survey of Firms*," final report on Federal Highway Administration contract number NRS-3041(251)-1, September, 1995.

M. Boarnet and R. Crane, "*Rail Transit and Land Use in Southern California: An Assessment of Local Land Use Policy in Relation to Regional Transit Goals*," final report on California Department of Transportation contract number RTA-65V311, October, 1994.

M. Boarnet, "*Metropolitan Transportation Infrastructure and the Distribution of Jobs: Empirical Approaches*," paper presented at research symposium on Transportation Infrastructure as Public Investment Strategy, University of Minnesota, October 1-2, 1992.

M. Boarnet, "*Transportation Access, Urban Problems, and Intrametropolitan Population and Employment Changes*," UC-Irvine Institute for Transportation Studies working paper number 92-7, July, 1992.

M. Boarnet, "*Decentralized Employment and Suburban Sub-Centers*," presented at 38th North American Meetings of the Regional Science Association, New Orleans, Louisiana, November 7-10, 1991.

FUNDED RESEARCH

Principal Investigator or co-Principal Investigator on 31 research grants totaling \$2,068,507.

Urban Spatial Structure, Employment Sub-Centers, and Passenger and Freight Travel, funded by METRANS Transportation Center, August, 2014 – August, 2015. Amount = \$100,000

Urban Spatial Structure and GHG Emissions, funded by METRANS Transportation Center as part of National Center for Sustainable Transportation, Jan., 2015 – Dec., 2015. Amount = \$75,000.

FUNDED RESEARCH (continued)

Evaluating the Benefits of Light Rail Transit, funded by the California Air Resources Board through a sub-contract with UC Irvine, July, 2013 – May, 2015. USC sub-contract amount = \$50,000.

Transportation and Access to Employment in City Heights, funded by USC Sol Price Center for Social Innovation, July, 2013 – June, 2014. Amount = \$54,000.

Analysis of Baseline Data for Evaluating the Expo Light Rail Line, funded by the Southern California Association of Governments, Dec. 15, 2012 – Feb. 28, 2013. Amount = \$48,872.

Changes in Transit Use near a New Light Rail Transit Line; Applications of Market Research Methods to Understand Travel Behavior Change, funded by Mineta Transportation Institute of San Jose State University, Jan. 1, 2013- Dec. 31 – 2013, sub-contract to USC amount = \$20,876

Update to Policy Briefs, VMT and GHG Reduction and Policies and Practices, funded by California Air Resources Board through a sub-contract from UC Davis, June, 2012 – Dec., 2014. USC sub-contract amount = \$15,000.

The Expo Light Rail Line: A Context to Examine How the Urban Environment is Associated with Physical Activity, funded by the USC Lusk Center for Real Estate, June 1, 2012 – May 31, 2013. Amount = \$18,729.

Evaluating the Exposition Corridor (Expo) Light Rail Line, funded by The John Randolph Haynes and Dora Haynes Foundation, May 1, 2012 – August 31, 2013. Amount = \$116,208.

Spatially Focused Travel Survey Data Collection and Analysis, funded by the California Department of Transportation, December 1, 2011 – December 31, 2013. Amount = \$200,000. (PI is Doug Houston, UC Irvine, Co-PI is Boarnet, funds are to conduct surveys and analyze data as follow up to pilot test funded by UCTC.)

Spatially Focused Travel Survey Data Collection and Analysis: Closing Data Gaps for SB 375 Implementation, funded by the University of California Transportation Center, August 1, 2010 – July 31, 2011. Amount = \$89,018. (Funded pilot test.)

Policies and Practices Related to Passenger Vehicle Greenhouse Gas Reduction – Evidence and Assessment, funded by the California Air Resources Board, Co-Principal Investigators M. Boarnet (UC Irvine) and S. Handy (UC Davis), 2010, UC Irvine funding = \$39,995.

Greenhouse Gas Emissions: Transport Sector Policies and Practices, funded by the University of California Multi-Campus Research Program on Sustainable Transportation. Co-Principal Investigators M. Boarnet (UC Irvine) and S. Handy (UC Davis), 2010, UC Irvine funding = \$57,739.

FUNDED RESEARCH (continued)

50th Anniversary Symposium, Journal of Regional Science, Request for Workshop Funding, funded by the U.S. National Science Foundation, 2009. Amount = \$26,580.

Near Source Modeling of Transportation Emissions in Built Environments Surrounding Major Arterials, funded by the University of California Transportation Center, 2007-2008 (co-principal investigators Rufus Edwards and Marko Princevac.) Amount = \$196,619.

Assessing Built Environment Features Linked to Physical Activity, funded by the Robert Wood Johnson Foundation, 2003-2004 (co-principal investigator: Kristen Day). Amount = \$99,987.

Expanded Evaluation of the California Safe Routes to School Program, funded by the University of California Transportation Center, 2002-2003 (co-principal investigators: Craig Anderson and Kristen Day). Amount = 62,960.

Evaluation of the California Safe Routes to School Program, funded by the California Department of Transportation, 2002-2004 (co-PI's: C. Anderson, K. Day). Amount = 118,500.

Evaluation of the California Safe Routes to School Program, funded by the University of California Transportation Center, 2001-2002 (co-principal investigators: Craig Anderson, Kristen Day). Amount = 99,654.

New Highways, Induced Travel, and Urban Growth Patterns: A "Before and After" Test, funded by the U.S. Environmental Protection Agency, 1999-2000. Amount = \$105,266.

New Highways and Urban Growth Patterns: Using Locally Weighted Regression to Analyze the Development Impact of the Orange County Toll Roads, funded by the University of California Transportation Center, 1999-2000. Amount = \$59,781.

The Feasibility and Fairness of Alternative Highway Finance: Lessons from California's Toll Roads, funded by the California Policy Seminar of the University of California, 1998-'99 (co-principal investigator: Joe DiMento.) Amount = \$40,017.

Understanding How Land Use Affects Travel Behavior: A Revealed Preference/Stated Preference Approach, funded by the University of California Transportation Center, 1997-'98 (co-principal investigator: Randall Crane.) Amount = \$103,164.

Econometric Modelling for Intrametropolitan Transportation Analysis, funded by the University of California Transportation Center, 1996-'97. Amount = \$45,465.

Economic Gains and Losses from Highway Corridors: A Multiple Sales Price Study, funded by the University of California Transportation Center, 1995-'96. Amount = \$67,124.

FUNDED RESEARCH (continued)

Local Land Use, Rail Station Siting, and Regional Transit Goals: An Integrated Approach to Resolving Local Planning Conflicts, University of California Transportation Center, November 1994 - December 1995 (co-principal investigator: Randall Crane.) Amount = \$41,890. (Grant was awarded in June of 1994, but funding was eliminated when the sponsoring agency disbanded its entire transit research program due to budget cuts that were unrelated to this project.)

The Economic Impacts of Transportation Policy: Using Highway Damage from the Northridge Earthquake to Estimate the Effect of Accessibility on Economic Activity, funded by the U.S. Federal Highway Administration, June 1994 - June 1995. Amount = \$70,533.

Social Ecology Faculty Research Fellowship, September 1993 - June 1994. Amount = \$1,000.

Public and Private Land Development Incentives Near Light Rail Stations: Conflicts and Opportunities, funded by the University of California Transportation Center, 1993-'94 (co-principal investigator: with Randall Crane.) Amount = \$35,158.

Transportation Infrastructure and Economic Productivity in Southern California, funded by the University of California Transportation Center, 1993-'94. Amount = \$53,372.

University of California, Irvine Faculty Research Fellowship, 1992-'93, awarded in the amount of \$10,000 to study relationship between highways and intrametropolitan employment growth.

Ph.D. STUDENTS SUPERVISED (primary advisor)

Currently Enrolled USC Students: Yue Dou, Andy Eisenlohr, Seva Rodnyansky, Raul Santiago-Bartolomei, Xize Wang

Graduated Students:

E-Sok (Andy) Hong. Dissertation: *Healthy Mobility: Untangling the relationships between the built environment, travel behavior, and environmental health.* Current Position: Post-doctoral researcher, University of British Columbia.

Kenneth Joh. Dissertation: *Unraveling the Complexity of Land Use and Travel Behavior Relationships: A Four-Part Quantitative Case Study of the South Bay Area of Los Angeles*, June, 2009. Current Position: National Capital Region Transportation Planning Board. Most Recent University Position: Assistant Professor of Urban and Regional Planning, Texas A&M University.

Ralph McLaughlin. Dissertation: *Land Use Regulations and Housing Supply: Impacts on Local, State, and U.S. Markets*, June, 2009. Current Position: Chief Economist, Trulia. Most Recent Academic Position: Assistant Professor of Urban Planning, San Jose State University.

Ph.D. STUDENTS SUPERVISED (primary advisor, continued)

Richard Funderburg. Dissertation: Agglomeration, Production Externalities, and the Firm Location Decision, December, 2005. Current Position: Assistant Professor, University of Illinois, Springfield.

Tracy McMillan. Dissertation: Walking and Urban Form: Modeling and Testing Parental Decisions about Children's Travel, July, 2003. Most Recent Academic Position: Assistant Professor of Urban Planning, University of Texas, Austin. (Co-Advised with Kristen Day.)

Saksith (Tan) Chalermpong. Dissertation: Economic Spillovers of Highway Investment, December, 2002. Current Position: Associate Professor of Civil Engineering, Chulalongkorn University, Bangkok, Thailand.

Roxanne Ezzet-Lofstrom. Dissertation: Intermetropolitan Migration: The Role of Labor Markets, Land Markets and Quality-of-Life, August, 2002. Most Recent Academic Position: Assistant Professor of Urban Political Economy, School of Social Sciences, Univ. of Texas, Dallas.

Michael J. Greenwald. Dissertation: The Road Less Traveled: Land Use and Non-Work Travel Relationships in Portland, Oregon, June, 2001. Most Recent Academic Position: Assistant Professor of Urban Planning, University of Wisconsin, Milwaukee.

Nicholas S. Compin. Dissertation: The Four Dimensions of Rail Transit Performance: How Administration, Finance, Demographics, and Politics Affect Outcomes, December, 1999. Current Position: Office of Performance Measures and Data Analysis, California Department of Transportation.

Note: I served as primary advisor for **Hsin-Ping Hsu** (2007-2011), **Steven Spears** (2008-2011), and **Gavin Ferguson** (2008-2011) while at UC Irvine, but upon my departure from UC Irvine each had to obtain a new primary advisor. I continued as a committee member for each student.

TEACHING

Graduate Classes: Microeconomic Analysis for Urban Planning; Economics for Policy, Planning, and Development; Land Use and Transportation Planning; Transportation Planning; Advanced Statistical Methods; Quantitative Analysis for Urban Planning; Regional Leadership in Air Quality; Ph.D. Research Seminar; Transportation Science Colloquium; Economic Development; State and Local Public Finance; Poverty and Social Policy.

Undergraduate Classes: Urban and Regional Economics, Statistical Analysis in Social Ecology; Cities and Transportation; Urban Economic Development Policy; Field Study.

SELECTED CONSULTING

California Strategic Growth Council, Aug. 2016 – Nov., 2016. Advised on methods for reducing vehicle miles traveled and greenhouse gas emissions through state level policies.

Southern California Association of Governments (via sub-contract to Orange County Business Council), April, 2015 – April, 2016. Advised on the economic impact of the 2016 Regional Transportation Plan's program of transportation investments.

World Bank, May – June, 2014, July 2015, April 2016 – Oct. 2016. Consulted on travel data collection and methods to measure the environmental impact of transportation projects in China.

Southern California Association of Governments (via sub-contract to Orange County Business Council), Oct., 2011 – March, 2012. Advised on the economic impact of the 2012 Regional Transportation Plan's program of transportation investments.

World Bank, May, 2011 – Nov. 2011. Assessed institutional history of U.S. Interstate Highway System, with lessons for developing countries.

Orange County Business Council, Feb., 2011 – Oct., 2012. Implemented a detailed economic impact analysis to assess the effect of freeway expansion on roadside businesses.

Urban Land Institute, July, 2006. pro bono Advisory Services Panel.

World Bank, March – June, 2005. Assess methods to evaluate the poverty alleviation impact of urban transport projects.

Bay Area Economic Forum. July, 2003 – February, 2004. Co-authored analysis of the economic impacts of changes in the food retailing business, available at < <http://www.bayeconfor.org/pdf/PPRSCscreen11.2.pdf>>

Maui Chamber of Commerce. July, 2002 – November, 2002. Authored analyses of the impacts of development in Maui, Hawaii.

URS Corpotation. May, 2001- March, 2003. Advised on analytical methods for studying environmental justice implications of transportation projects.

World Bank, September, 2000 - 2002. Consulting on research techniques to analyze the effectiveness of the World Bank's transport privatization programs.

Orange County Business Council, June, 1999-August, 1999: Co-authored an analysis of the economic impacts of changes in retailing business.

HNTB Design/Build, Inc., July, 1998-August, 1998: Benefit-cost analysis of road concession.

INVITED SYMPOSIA AND UNIVERSITY SEMINARS:

“Measuring Rail Transit’s Sustainability Goals: A Before-After, Experimental-Control Evaluation of Los Angeles’ Expo Light Rail Line,” presented at: California Air Resources Board, Free University of Amsterdam, Homer Hoyt Institute for Real Estate, Hongik University, Korea Research Institute for Human Settlements, Los Angeles Metro, Peking University, Southern California Association of Governments, UCLA, University of Seoul, University of Southern California, World Bank (Beijing office), 2013 – 2015.

George Washington University, biannual research symposium of the Sustainable Urban Planning Program, *“Sustainable Transportation Planning and Program Evaluation: The Future of Transportation Planning,”* Washington, D.C., November, 2012.

University of Southern California School of Policy, Planning, and Development, *“Land Use and Vehicle Miles of Travel in the Climate Change Debate: Getting Smarter than Your Average Bear,”* March, 2011.

UC-Irvine/UCLA/USC Urban Research Symposium, *“Land Use and Vehicle Miles of Travel in the Climate Change Debate: Getting Smarter than Your Average Bear,”* USC, October, 2010.

French Development Agency, workshop on Urban Form and Urban Transport for Sustainable Development, *“Urban Form and Transportation: Lessons from the U.S. Experience,”* Paris, France, June 10-11, 2010.

Lincoln Institute of Land Policy, 5th annual Land Policy Conference on The Environment, Climate Change, and Land Policy, *“Land Use and Vehicle Miles of Travel in the Climate Change Debate: Getting Smarter than Your Average Bear,”* Cambridge, Massachusetts, May 24-24, 2010.

USC Metropolitan Transportation Institute (METRANS) seminar, *“Retrofitting the Suburbs to Increase Walking: Evidence from a Land Use – Travel Study,”* Los Angeles, California, March 9, 2010.

Symposium on Measuring Progress Toward Transportation and GHG Goals, Sponsored by UCLA and the University of California Institute of Transportation Studies Multi-Campus Research Program Initiative on Sustainable Transportation, invited presentation on *“Program Evaluation in Transportation: Can We Do What Other Policy Fields Do? Hint: First, We Need the Data,”* Los Angeles, California, March 5, 2010.

INVITED SYMPOSIA AND UNIVERSITY SEMINARS (continued)

Transportation Research Board annual meeting, workshop on Understanding the Link Between Transportation and Public Health: Measuring Travel Behavior, the Built Environment, and Physical Activity Outcomes (sponsored by the Robert Wood Johnson Foundation), invited presentation on “*Data Sources for Physical Activity and Active Travel*,” Washington, D.C., January 10, 2010.

American Association of State Highway and Transportation Officials annual meeting, Transportation Research Board invitational luncheon address, “*Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO₂ Emissions*,” Palm Desert, California, October 26, 2009.

UCLA Lake Arrowhead Symposium, “*Transportation and the Economy: Stimulus or Something More?*” October, 2009.

U.S. Department of Housing and Urban Development, Policy Development and Research Division, “*Retrofitting the Suburbs to Increase Walking: Evidence from a Land Use – Travel Study*,” Washington, D.C., October, 2009.

RAND Corporation, Division of Transportation, Space, and Technology colloquium, “*Highways and Metropolitan Economic Development: Impacts in Growing, Declining and Steady State Regions*,” Los Angeles, California, June, 2009.

American Planning Association National Conference, “*Highways and Metropolitan Development*,” April, 2009.

University of Maryland, National Center for Smart Growth Policy and Research and Department of Urban Planning colloquium, “*Transportation Planning in an Era of Expensive Mobility*,” College Park, Maryland, March, 2009.

USC Lusk Center for Real Estate / Metropolitan Transportation Center 9th Annual Rena Sivanidou Research Symposium, “*Highways and Metropolitan Economic Development: Impacts in Growing, Declining and Steady State Regions*,” February, 2009.

UCLA Ziman Center for Real Estate colloquium, “*Transportation Planning in an Era of Expensive Mobility*,” December, 2008.

University of Iowa, inaugural Forkenbrock Series on Public Policy, “*Highways and Metropolitan Economic Development: Impacts in Growing, Declining and Steady State Regions*,” presented at the two-day symposium on Transportation Finance and Economics: Policies for the Future, September 11-12, 2008.

University of Colorado, Department of Urban Planning and Urban Design, October, 2007, “Land Use Regulation: Rethinking Planning’s Forgotten Center.”

INVITED SYMPOSIA AND UNIVERSITY SEMINARS (continued)

UCLA Lake Arrowhead Symposium, October, 2007, “The role of regulation in affecting housing supply and prices: Part of the solution, part of the problem, or both?”

California Partners for Advanced Transit and Highways – University Transportation Centers Conference, Berkeley, California, October, 2007, “Can Auto-Oriented Communities be Redesigned for Walking: The South Bay Area of Los Angeles County.”

The World Bank, July, 2007. “Conducting Impact Evaluations in Urban Transport.”

University of Illinois, February, 2007, “Does State Growth Management Change the Pattern of Urban Growth? Evidence from Florida.”

University of Pennsylvania, January, 2007. “Does State Growth Management Change the Pattern of Urban Growth? Evidence from Florida.”

University of Southern California, March, 2006. “The Obesity Epidemic: What Role for Planning?”

UCLA, March, 2006. “Does State Growth Management Change the Pattern of Urban Growth? Evidence from Florida”

UCLA Lake Arrowhead Symposium on Transportation, Land Use, and the Environment. October 16, 2005. “Analyzing and Measuring the Public Health Costs/Benefits of Transport and the Built Environment.”

California Planning Roundtable. July, 2005. “The Obesity Epidemic: What Role for Planning?”

Caltech, Environment and Society Seminar. April, 2005. “The Obesity Epidemic: What Role for Planning?”

Southern California Planning Congress. February, 2005. “The Obesity Epidemic: What Role for Planning?”

Clemson University. January, 2005. “Evaluating the California Safe Routes to School Construction Program.”

University of California, Berkeley, September, 2003. “Urban Growth and Highway Infrastructure: A Before and After Test of the Influence of Highways on Metropolitan Growth Patterns.”

Georgia Tech, April, 2003, “Metropolitan Growth: Roles for Planning Scholarship and Practice.”

INVITED SYMPOSIA AND UNIVERSITY SEMINARS (continued)

University of Texas, Austin, April, 2003, "Urban Growth and Highway Infrastructure: A Before and After Test of the Influence of Highways on Metropolitan Growth Patterns."

UCLA, February, 2003, "Highways and Urban Development Patterns: Insights from a Quasi-Experiment in Orange County, California."

U.S. Environmental Protection Agency, January, 2003, "Highways and Urban Development Patterns: Insights from a Quasi-Experiment in Orange County, California."

University of Texas, Austin, April, 2002, "Highways and Urban Development Patterns: Evidence and Implications."

Symposium on Cities and Transportation: Choices and Consequences, Simon Fraser University, February, 2002, "Science and Land Use-Travel Behavior Interactions."

Cooper Institute Conference on Public Health Interventions to Promote Physical Activity, October 2001, "Analytical Methods and Data for Understanding Walking Behavior."

Centers for Disease Control, October, 2000. "Urban Design, Transportation, and Public Health: The Need for New Approaches," (joint with Craig Anderson, Kristen Day, and Tracy McMillan).

The World Bank, October, 2000. "Do Highways Matter? Evidence and Policy Implications of Highways' Influence on Metropolitan Development."

UC-Berkeley Symposium on Induced Travel, "New Highways, Urban Development, and Induced Travel," June, 2000.

University of Arizona, November, 1999, "Infrastructure and Urban Growth Patterns." Briefing to legislative and agency staff, Sacramento, California, "Economic Impacts of Highways," as part of a series organized by the Institute of Government Studies, UC-Berkeley.

University of California, Davis, April, 1999, "Road Infrastructure, Economic Productivity, and the Need for Highway Finance Reform."

Above also presented at:

University of California, Berkeley (November, 1998)

Brookings Institution and Surface Transportation Policy Project (co-sponsored talk, December, 1999)

Federal Highway Administration (December, 1999)

U.S. Environmental Protection Agency (December, 1999)

INVITED SYMPOSIA AND UNIVERSITY SEMINARS (continued)

Case Western Reserve University Symposium on Land Use and the Metropolitan Economy, “Land Use and Transportation: What Do We Know?” March, 1999.

Symposium on Analytical Economic Geography and Regional Change, sponsored by the National Science Foundation, Storrs, Connecticut, 1998, “Spillovers and the Locational Effects of Public Infrastructure.”

UCLA Lake Arrowhead Symposium on Transportation, December, 1997 “Highways, Economic Impacts, and System Efficiency: Interpreting the Evidence.”

University of Southern California, School of Planning and Development, October, 1997, “Can Land Use Policy Really Affect Non-Work Travel?”

Rutgers University, Bloustein School of Public Policy, February, 1997, "Enterprise Zones and Economic Development: How Can We Learn More?"

Lincoln Institute of Land Policy TRED conference on Land Use and Transportation, October, 1996, “Can Land Use Policy Really Affect Non-Work Travel?”

University of Southern California, School of Urban Planning, February, 1996, "Geography and Public Infrastructure.”

Portland State University, School of Urban Studies and Planning, April, 1995, "Rail Transit and Land Use in Southern California.”

Symposium on Transportation Infrastructure as Public Investment Strategy, Univ. of Minnesota, October, 1992.

CONFERENCE PAPERS PRESENTED AT:

Association of Collegiate Schools of Planning annual meetings, 1994, 1995, 1997, 1998, 1999, 2000, 2002, 2004, 2005, 2006, 2008, 2009, 2010, 2012, 2014, 2015, 2016.

Active Living Research Conference, 2003, 2004, 2005.

North American Meetings of the Regional Science Association, 1991, 1993, 1994, 1998, 1999, 2000, 2001, 2002, 2003, 2006, 2008, 2011, 2014, 2015, 2016.

Pacific Regional Science Conference, 2001.

Western Regional Science Association annual meetings, 1997, 1998, 1999, 2000, 2004, 2007, 2012, 2014, 2015, 2016.

Transportation Research Board annual meetings, 1995, 1996, 1998, 2000, 2001, 2004, 2008, 2015, 2016, 2017.

Western Economic Association annual meetings, 1997.

Public Choice Society annual meetings, 1996.

Southern Economic Association annual meetings, 1993.

CONFERENCE PAPERS PRESENTED AT (continued):

Association for Public Policy Analysis and Management (APPAM) annual meetings, 1992, 1993.
Symposium of the Commission on Mathematical Models of the International Geographical Union, Princeton, New Jersey, August, 1992.

Annual Meetings of the Association of American Geographers, San Diego, California, April, 1992.

SELECTED PUBLIC PRESENTATIONS AND SEMINARS (not listed above)

Los Angeles Chapter of the American Planning Association, Wednesdays at the Mercado, "Urban Transportation: The Opposite of Back to the Future," May, 2012.

American Planning Association annual conference, "Urban Transportation: The Opposite of Back to the Future," April, 2012.

Building Industries Association of Southern California, "SB375 in the SCAG Region: Matching Travel, Policies, and Context," October, 2010.

California State University San Bernardino, Leonard Transportation Center, "Financing and Regional Solutions for Environmentally Sustainable Infrastructure," presented at Fourth Annual Leonard Transportation Center Forum on The Implementation of Visions for Regional Economic and Environmental Sustainability, Ontario, California, May 14, 2010.

Orange County Urban Land Institute, "Financing and Regional Solutions for Environmentally Sustainable Infrastructure," symposium on air quality, land use, environment, and transportation in Southern California, May 11, 2010.

Irvine Chamber of Commerce, Transportation Forum, May 1, 2003.

California High Occupancy Vehicle Summit, Irvine, California, May 3, 2002.

Orange County Transportation Authority, Public Debate on Light Rail in Orange County, August, 1999, "*Introduction to Rail Transit Policy Issues.*"

Orange County Transportation Authority, *Fast Forward to the Future* public symposium on long-range transportation planning in Orange County, California, May, 1998 (invited panelist).

Orange County Transportation Coalition, "*The Economic Impacts of Highways,*" March, 1998.

Orange County Urban Land Institute forum, "*Highway Policy and Economic Development,*" June, 1996.

SELECTED PUBLIC PRESENTATIONS AND SEMINARS (continued)

Symposium on "What can Phoenix Learn from L.A.," sponsored by the Morrison Institute for Public Policy, Arizona State University. Spoke on "*Transportation Policy in Orange County*". Irvine, California, June, 1996.

Conference on Earthquake Hazards and Transportation, University of California Transportation Center and UCLA Extension, "*Businesses Losses, Transportation Damage, and the Northridge Earthquake*," April, 1996.

Orange County Chapter of the American Planning Association, "*Prospects for Housing Development Near Southern California Rail Transit Stations*," invited presentation, February, 1995.

California Chapter of the American Planning Association 1994 Annual Meetings, "*Local Economic Development and the Growth of the California Economy*," invited presentation, San Diego, California, October 23, 1994.

Orange County Chapter of the American Planning Association 1994 Nuts and Bolts Conference "*Transit Oriented Development in Southern California*," invited presentation, Anaheim, California, March 21, 1994.

Project HI G.E.A.R., a group of Orange County, California business and government leaders, "*Local Government Diversity, Efficiency, and Scope: A Study of Service Consolidation in Orange County*," (joint with Randall Crane) invited presentation, Dec. 13, 1993.

Chase Manhattan Roundtable, Chase Manhattan of New Jersey, "*High Growth Markets in Central New Jersey: Historical Perspectives and Future Prospects*," invited presentation, Princeton, New Jersey, October 2, 1991.

UC-IRVINE SEMINARS (1991-2011) and USC SEMINARS (2012 – present)

USC Sol Price School of Public Policy Urban Growth Seminar, "*Measuring Rail Transit's Sustainability Goals: A Before-Active Experimental-Control Group Evaluation of the Los Angeles Expo Light Rail Line*," Oct., 2014.

USC Department of Preventive Medicine, "*Results from the Expo Line Light Rail Study*," Oct., 2013.

USC Metropolitan Transportation Center (MeTrans), "*Illuminating the Unseen in Neighborhood Travel: A Framework for Examining the Influence of Attitudes, Norms, and Perceptions on Travel Behavior*," October, 2012.

USC Dept. of Preventive Medicine, "*The Influence of the Built Environment on Travel*," February, 2012.

UC-IRVINE SEMINARS (1991-2011) and USC SEMINARS (2012 – present), continued

UC-Irvine, Transportation Lunch Colloquium, "*Transportation Planning in an Era of Expensive Mobility*," December, 2008.

UC-Irvine Department of Planning, Policy, and Design seminar, "*Can Auto-Oriented Communities be Redesigned for Walking: The South Bay Area of Los Angeles County*," May, 2007.

UC-Irvine Department of Urban and Regional Planning seminar, "*Road Infrastructure, Economic Productivity, and the Need for Highway Finance Reform*," January, 1999.

UC-Irvine Institute of Transportation Studies seminar, "*Transportation Infrastructure, Economic Productivity, and Geographic Scale*," December, 1994.

UC-Irvine Economics Department Seminar, "*Enterprise Zones and Employment*," April, 1994.

UC-Irvine Institute of Transportation Studies seminar, "*The Monocentric Model and Employment Location*," June, 1993.

UC-Irvine Department of Urban and Regional Planning seminar, "*Highways and Intrametropolitan Employment Location*," October, 1992.

DEPARTMENT, UNIVERSITY, AND COMMUNITY SERVICE (USC 2012 – present)

Founding Chair, Department of Urban Planning and Spatial Analysis, Sol Price School of Public Policy, Jan. 1, 2016 – present. As chair of this new department, I coordinated all aspects of strategic and day-to-day planning. That included the launch of a new undergraduate degree in Urban Studies and Planning, the development of executive education degrees, and revising the Master of Planning degree.

Senior Associate Dean and Vice-Dean for Academic Affairs, Sol Price School of Public Policy, USC, Aug. 15, 2014 – Dec. 31, 2015. The Senior Associate Dean (Vice Dean as of July, 2015) is responsible for academic affairs in the Price School's thirteen degree programs, which enroll approximately 1,700 students, and for coordinating new degree development and long-term strategic planning and implementation of degree programs.

DEPARTMENT, UNIVERSITY, AND COMMUNITY SERVICE (USC 2012 – present, continued)

Director Graduate Programs in Urban Planning and Development, USC, Jan., 2012 – Dec., 2015.

The director of graduate planning programs is responsible for all curricular elements of the master of planning degree (which enrolls approximately 150 students) and the Ph.D. degree (which enrolls approximately 30 students.) This includes strategic planning, developing a vision for the program, and communicating the role of the program within the Price School and USC. Responsibilities also include reviewing and hiring the planning program’s extensive complement of adjunct faculty members, reviewing the curriculum and convening the faculty to review curricular changes and engage in long-range planning as needed, and maintaining contact with internal and external communities that include students, faculty, professionals, alumni, and an external advisory board. As director of graduate planning programs, I chair the faculty committee that oversees the Master of Planning program and I co-chair the faculty committee that oversees the School’s two Ph.D. programs.

USC Graduate School Advisory Committee (appointed to this committee by vice-provost for graduate programs), and a member of the graduate fellowship task force of same committee, 2012-2013.

USC Sol Price School of Public Policy Faculty Council (elected by vote of the faculty), 2012-2013. The faculty council advises the dean on governance questions as the voice of the faculty.

USC Sol Price School of Public Policy Academic Affairs Committee, 2012-2013. The academic affairs committee provides faculty oversight of the Price School’s 12 degree programs.

USC Sol Price School of Public Policy Appointments Committee, 2012-2013. The appointments committee is the primary faculty voice for review of faculty searches, including job ads, short-list candidates, and recommendation to the dean.

DEPARTMENT, UNIVERSITY, AND COMMUNITY SERVICE (UC Irvine, 1991-2011)

School of Social Ecology Faculty Chair (elected by the faculty), 2009-2010, 2010-2011.

Master of Urban and Regional Planning Director, Department of Planning, Policy, and Design, 2009-2011.

UC System-Wide Institute for Transportation Studies Multi-Campus Research Program Initiative (MRPI) in Sustainable Transportation, Executive Committee member and co-director of “land use and mobility” track, July 2009 – present.

Chair, Search Committee for Assistant Professor in Urban Planning, 2008-2009.

Chair, Search Committee for Department Chair/Full Professor, 2006-2007.

DEPARTMENT, UNIVERSITY, AND COMMUNITY SERVICE (UC Irvine, 1991-2011, continued)

Department Chair, Department of Planning, Policy, and Design, January, 2003 – December, 2006. The Chair is the lead administrative officer for the department, responsible for long-term strategic planning, budget, faculty merit and promotion review, space allocation, teaching, and service assignments for a department with 19 faculty members, two graduate degree programs, one minor, and approximately \$1 - \$2 million annually in extra-mural funded research. During my term as chair, I organized an external advisory board for the department, institutionalized outside fundraising efforts resulting in the largest donation in the department's history at the time, established planning efforts for a Masters of Public Policy degree and an Urban Studies B.A., initiated the development of joint degrees between the Master of Urban and Regional Planning degree and other campus programs, and greatly enhanced the department's outreach to the southern California planning community. The Department's graduate enrollment and application pool both tripled during my combined term as Graduate Advisor (1999-2002) and Department Chair (2003-2006).

Graduate Advisor, Department of Urban and Regional Planning, UC-Irvine, 1999-2002. The graduate advisor has lead responsibility for all educational aspects of the Masters and Ph.D. programs, including student recruiting, admission, departmental financial aid decisions, academic advising, administering comprehensive exams, and tracking academic progress.

Chair, Ph.D. Degree Redesign Committee, Department of Urban and Regional Planning, 2000-2001.

Member, Executive Committee, University of California Transportation Center, 1999-2003.

Chair, Faculty Search Committee, Department of Urban and Regional Planning, 1999-'00.

Member, School of Social Ecology Executive Committee, 1998-'99.

Judge, American Planning Association (Orange County chapter) annual awards, 1998.

Member, UC-Irvine Academic Senate Committee on Land Use and the Environment, 1996 - 1998.

Member, Coordinating Committee, Transportation Science Ph.D. Program, 1993-present.

Member, Department of Urban and Regional Planning Long-Range Planning Committee, Spring 1995.

Member, School of Social Ecology Computer Committee, 1992-1994.

Coordinator, Department of Urban and Regional Planning lunch seminar series, 1992-1994.

PROFESSIONAL SERVICE AND ORGANIZATIONS

Referee for the following journals: *Growth and Change*, *Journal of the American Planning Association*, *Journal of Econometrics*, *Journal of Planning Literature*, *Journal of Public Economics*, *Journal of Policy Analysis and Management*, *Journal of Regional Science*, *Journal of Urban Affairs*, *Journal of Urban Economics*, *National Tax Journal*, *Papers in Regional Science: The Journal of the RSAI*, *Planning and Markets*, *Regional Science and Urban Economics*, *Review of Regional Studies*, *Transportation Research*, *Transport Policy*, *Transportation Research Record*, *Urban Studies*, and *World Bank Economic Review*.

Member, external review committee: Real Estate Department, National University of Singapore (2015); Sociology Department, USC (USC member, 2015); California Policy Research Center of the University of California (2006).

Associate Director, METRANS Transportation Center, 2013 – present.

Member, Executive Committee, National Center for Sustainable Transportation, 2014 – present.

Member, Executive Board, Association of Collegiate Schools of Planning, 2012-2016.

Member, Urban Land Use and Transportation Center (ULTRANS) of University of California, Davis advisory board, 2010 – 2011.

Outside reviewer, promotion and tenure: two cases in 2006, one case in 2007, two cases in 2008, one case in 2009, three cases in 2012, two cases in 2013, two cases in 2014; three cases in 2015.

Member, National Academy of Sciences/National Research Council Committee on Relationships Among Development Patterns, Vehicle Miles Traveled, and Energy Consumption, 2007 – 2008.

Member, Steering Committee for UCLA – Lake Arrowhead annual Transportation, Land Use, Air Quality Connection conference, 2008 – 2010.

Member, Editorial Board, *InTransition: Transportation Planning, Practice, and Progress*, a magazine published by the North New Jersey Transportation Planning Authority in cooperation with the New Jersey Institute of Technology, 2007 – present.

Member, Executive Committee, University of California Transportation Center, 2000 – 2003 and 2007 – present.

Member, review committee for Univ. of California California Policy Research Center, 2006.

Member, Committee on Transportation and Economic Development, Transportation Research Board, National Research Council, 2000-2002.

PROFESSIONAL SERVICE AND ORGANIZATIONS (continued)

Member, review panel, Transportation Research Board National Highway Cooperative Research Program (NCHRP) project number 25-19, on the economic and social impacts of highways.

Book reviewer for Kluwer Academic Publishers and Prentice-Hall Books.

Abstract reviewer, American Collegiate Schools of Planning annual meeting (transportation and infrastructure planning track and economic development track), 1997, 1998, 1999, 2000.

Proposal reviewer for University of California Transportation Center, 1994, 1995, 1996, 1999.

Reviewer for California Policy Seminar, 1993, 1996.

Member, program committee, 1993, 2000, 2003 North American Regional Science Association meetings.

Member, program committee, 2001 Pacific Regional Science meetings.

SELECTED MEDIA APPEARANCES OR INTERVIEWS

Editorial, Los Angeles Times, "How L.A. Can Improve Its Return on Our Multi-Billion Dollar Transit Investment," with Gary Painter, May 16, 2016.

KNBC, Los Angeles, Channel 4 News Extra, television

KDOC, Los Angeles/Orange County, television

CNBC, national cable television

KFWB, Los Angeles, radio

KPCC, Los Angeles, National Public Radio affiliate

San Francisco Chronicle

San Diego Union Tribune

Los Angeles Times (numerous)

Orange County Register (numerous)

OTHER PROFESSIONAL EXPERIENCE

Office of United States Senator Daniel Patrick Moynihan (D-NY), intern, Summer, 1987.

Provided background research for the Family Support Act of 1988.

Office of the Assistant Commissioner, New Jersey Department of Human Services, intern, Feb., 1987 - Sept., 1988. Analyzed policy issues related to REACH, New Jersey's AFDC reform.

NASA Johnson Space Center, Artificial Intelligence Section, aerospace engineer, May, 1984 - Aug., 1986. Responsibilities included programming artificial intelligence (AI) applications, developing and maintaining industry contacts, and evaluating AI technology.

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