

## Carolyn (Carey) McAndrews

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### Formal Education

<b>2010</b>	Ph.D.	University of California, Berkeley	City and Regional Planning with a Designated Emphasis in Global Metropolitan Studies  <i>Thesis: Road Safety in the Context of Urban Development in Sweden and California</i>
<b>2006</b>	M.C.P	University of California, Berkeley	City and Regional Planning  <i>Thesis: Data and Discretion: Evaluating the Effectiveness of the FAA Safety Oversight System</i>
<b>2006</b>	M.S.	University of California, Berkeley	Civil and Environmental Engineering
<b>2000</b>	B.A.	Brown University	Economics with honors

### Positions Held

<b>2018 –</b>	Associate Professor, Department of Planning and Landscape Architecture 4W Director of Sustainable Transportation, 4W Initiative Faculty Associate, Institute for Research on Poverty University of Wisconsin–Madison
<b>2018</b>	Associate Professor, Department of Urban and Regional Planning University of Colorado Denver
<b>2012 – 2018</b>	Assistant Professor, Department of Urban and Regional Planning University of Colorado Denver
<b>2010 – 2012</b>	Health and Society Scholar, Robert Wood Johnson Foundation Health and Society Scholars Program Department of Population Health Sciences, University of Wisconsin–Madison

## Honors and Awards

- 2020** Leon Epstein Distinguished Faculty Award, College of Letters and Science  
University of Wisconsin–Madison
- 2017** Outstanding Paper Award, Transportation Research Board Bicycle  
Transportation Committee
- 2017, 2013** Outstanding Service Award, Transportation Research Board recognition for  
outstanding service to the Health and Transportation Subcommittee
- 2016** Faculty Excellence Award in Research and Creative Activities, College of  
Architecture and Planning, University of Colorado Denver
- 2008** Frisen Fellow for Outstanding Service in Teaching and Mentoring  
Undergraduates

## Research and Publications

### Peer-Reviewed Journal Articles

Yang, Yicong and Carolyn **McAndrews**. (2020). “A Statewide Analysis of Individuals’  
Exposure to Business Establishments and Active Travel Behavior.” *Transportation Research  
Record*, 2674(4):101–113.

**McAndrews**, Carolyn and Elizabeth Deakin. (2018). “Public Health Advocacy in  
Transportation Planning and Decision-Making: The Case of Health Impact Assessment.” In  
press at *Case Studies on Transport Policy*, <https://doi.org/10.1016/j.cstp.2018.02.002>.

**McAndrews**, Carolyn, Jane Hansberry. (2018). “Facilitation and Dialogue as Methods of  
Reflective Practice in Professional Education.” *Planning Practice and Research*, 33(1), 86–95.

**McAndrews**, Carolyn, Sara Tabatabaie, Jill S. Litt. (2018). “Motivations and Strategies for  
Bicycle Planning in Rural, Suburban, and Low-Density Communities: The Need for Best  
Practices.” *Journal of the American Planning Association*, 84(2), 99–111.

**McAndrews**, Carolyn, Wesley E. Marshall. (2018). “Livable Streets, Livable Arterials?  
Characteristics of Commercial Arterials Associated with Neighborhood Livability.” *Journal of  
the American Planning Association*, 84(1), 33–44.

Rosenlieb, Evan, Carolyn **McAndrews**, Wesley E. Marshall, Austin Troy. (2018). “Urban  
Development Patterns and Exposure to Hazardous and Protective Traffic Environments.”  
*Journal of Transport Geography*, 66, 125–134.

**McAndrews**, Carolyn, Keshia Pollack, David Berrigan, Andrew Dannenberg, Ed Christopher.  
(2017). “Understanding and Improving Arterial Roads to Support Public Health and  
Transportation Goals.” *American Journal of Public Health*, 107(8), 1278–1282.

**McAndrews**, Carolyn, Kenta Okuyama, Jill S. Litt. (2017). “The Reach of Bicycling in Rural, Small, and Low-density Places.” *Transportation Research Record*, 2662, 134–142. Outstanding Paper Award, Transportation Research Board Bicycle Transportation Committee.

**McAndrews**, Carolyn, Kirsten Beyer, Clare E. Guse, Peter Layde. (2017). “Are Rural Places Less Safe for Motorists? Definitions of Urban and Rural to Understand Road Safety Disparities.” *Injury Prevention*, 23(6), 412–415.

**McAndrews**, Carolyn, Kirsten Beyer, Clare E. Guse, Peter Layde. (2017). “Linking Transportation and Population Health to Reduce Racial and Ethnic Disparities in Transportation Injury: Implications for Practice and Policy,” *International Journal of Sustainable Transportation*, 11(3), 197–205.

Marshall, Wesley E., Carolyn **McAndrews**. (2017). “Understanding Livable Streets in the Context of the Arterials that Surround Them,” *Transportation Research Record*, 2605, 1–17.

**McAndrews**, Carolyn, Peter Layde, Kirsten Beyer, Clare E. Guse. (2016). “How Do the Definitions of Urban and Rural Matter for Transportation Safety? Re-interpreting Transportation Fatalities as an Outcome of Regional Development Processes.” *Accident Analysis and Prevention*, 97, 231–241.

**McAndrews**, Carolyn, Justine Marcus. (2015). “The Politics of Collective Public Participation in Transportation Decision-Making” *Transportation Research Part A: Policy and Practice*, 78, 537–550.

**McAndrews**, Carolyn, Justine Marcus. (2014). “Community-Based Advocacy at the Intersection of Public Health and Transportation: The Challenges of Addressing Local Health Impacts within a Regional Policy Process.” *Journal of Planning Education and Research*, 34(2), 190–202.

**McAndrews**, Carolyn, Kirsten Beyer, Clare E. Guse, Peter Layde. (2013). “Revisiting Exposure: Fatal and Non-fatal Traffic Injury Risk Across Different Populations of Travelers in Wisconsin 2001-2009.” *Accident Analysis and Prevention*, 60, 103–112.

**McAndrews**, Carolyn. (2013). “Road Safety as a Shared Responsibility and a Public Problem in Swedish Road Safety Policy.” *Science, Technology, and Human Values*, 38(6), 749–772.

**McAndrews**, Carolyn, Elizabeth Deakin, Lee Schipper. (2013). “Integrating Climate Change Considerations in Latin American Urban Transport Practices and Policy Agendas.” *Journal of Environmental Planning and Management*, 56(5), 674–694.

**McAndrews**, Carolyn. (2011). “Traffic Risks by Travel Mode in the Metropolitan Regions of Stockholm and San Francisco: A Comparison of Safety Indicators.” *Injury Prevention*, 17(3), 204–207.

**McAndrews**, Carolyn, Elizabeth Deakin, Lee Schipper. (2010). “Climate Change and Urban Transportation in Latin America: An Analysis of Recent Projects.” *Transportation Research Record*, 2191, 128–135.

**McAndrews**, Carolyn, Josefina Flórez, Elizabeth Deakin. (2006). “Views of the Street: Using Community Surveys and Focus Groups to Inform Context-Sensitive Design.” *Transportation Research Record*, 1981, 92–99.

Hansen, Mark, Carolyn **McAndrews**. (2005). “The Challenges of Measuring Performance for the FAA Safety Oversight System.” *Transportation Research Record*, 1937, 31–36.

### **Peer-Reviewed Book Chapters**

**McAndrews**, Carolyn. (2020). “Transportation and Land Use as Environmental and Social Determinants of Health,” in *Planning for a More Sustainable Future: The Integration of Transportation, Land Use, and Environmental Planning for Equity, Economic Development, and a Healthy Environment*, Elizabeth Deakin, ed. Elsevier.

**McAndrews**, Carolyn, Ed Christopher, Eloisa Raynault. (2018). “How Practitioners Bring Population Health Ideas into Other Policy Sectors: Lessons from Transportation,” in *Population Health: The Translation of Research to Policy*, Robert Hiatt, ed. Robert Wood Johnson Foundation Health and Society Scholars Program, Case Studies and Commentary. Milbank Memorial Fund.

Cleaves, Rachel, Carolyn **McAndrews**, and Mike Green. (2014). “Residents and Local Groups Organize to Reduce Health Disparities in Westwood,” in *Asset-Based Community Engagement in Higher Education*, John Hamerlinck and Julie Plaut, eds. Minneapolis, MN: Minnesota Campus Compact.

Schipper, Lee, Elizabeth Deakin, and Carolyn **McAndrews**. (2011). “Carbon Dioxide Emissions from Urban Road Transport in Latin America: CO<sub>2</sub> Reduction as a Co-Benefit of Transport Strategies” in *Transport Moving to Climate Intelligence: New Chances for Controlling Climate Impacts of Transport after the Economic Crisis*, Werner Rothengatter, Yoshitsugu Hayashi, and Wolfgang Schade, eds. New York: Springer.

### **Editor-Solicited Articles**

**McAndrews**, Carolyn, Justine Marcus. (2014). “Reducing the Negative Effects of Traffic on Communities: Public Engagement, Planners’ Engagement, and Policy Change.” *Planning & Environmental Law*, 66(9), 6–10.

### **Peer-Reviewed Conference Proceedings**

**McAndrews**, Carolyn, Meghan McCloskey Boydston, Ed Christopher. (2019). “Public Health and Transportation Share an Analytical Framework for Arterial Roads but Contrasting Views of Implementation.” Transportation Research Board 98<sup>th</sup> Annual Meeting.

**McAndrews**, Carolyn, Kenta Okuyama, Jill S. Litt. (2017). “The Reach of Bicycling in Small, Rural, and Low-Density Places.” Transportation Research Board 96<sup>th</sup> Annual Meeting.

Marshall, Wesley E., Carolyn **McAndrews**. (2017). “Understanding Livable Streets in the Context of the Arterials That Surround Them. Transportation Research Board 96<sup>th</sup> Annual Meeting.

**McAndrews**, Carolyn. (2016). “Learning the Art of 'At-Grade' Communication: Facilitation and Dialogue Skills Training in Transportation Education.” Transportation Research Board 95<sup>th</sup> Annual Meeting.

**McAndrews**, Carolyn, Justine Marcus, Melanie Sloan. (2014). “Collective Public Participation: How Organized Communities Participate in Transportation Decision-Making.” Transportation Research Board 93<sup>rd</sup> Annual Meeting.

**McAndrews**, Carolyn. (2012). “A Regional Perspective on the Relative Risk of Travel Modes: Geographic, Demographic, and Infrastructure Characteristics of Road Safety Disparities in the San Francisco Bay Area.” Transportation Research Board 91<sup>st</sup> Annual Meeting.

Schipper, Lee, Elizabeth Deakin, Carolyn **McAndrews**. (2010). “Carbon Dioxide Emissions from Road Transport in Latin America.” *Climate and Transportation Solutions: Findings from the 2009 Asilomar Conference on Transportation and Energy Policy*, Dan Sperling and James S. Cannon, eds. Davis, CA: Institute of Transportation Studies University of California Davis.

**McAndrews**, Carolyn, Elizabeth Deakin, Alfredo Celis de la Rosa. (2008). “Strategies for Improving Pedestrian Safety: Cases from Jalisco and Michoacán, México.” Transportation Research Board 87<sup>th</sup> Annual Meeting.

### **Research and Evaluation Reports with External Funding**

**McAndrews**, Carolyn, Alexander Allon. (2020). Institutions and Information Technology to Support Service Integration in Multimodal Employment Transportation. Center for Transportation Equity, Decisions, and Dollars.

Allon, Alexander, Carolyn **McAndrews**, Annette Ruth, Bill Carter, Tammie Davis. (2019). “Union Cab of Madison Cooperative Commute to Careers Program Evaluation, 2018–2019. Center for Transportation Equity, Decisions, and Dollars.

**McAndrews**, Carolyn, Evan Rosenlieb, Austin Troy, Wesley E. Marshall. (2017). “Transportation and Land Use as Social Determinants of Health: Analysis of Exposure to Traffic in the Denver Metropolitan Region.” Mountain-Plains Consortium MPC 17-326.

Litt, Jill S., Carolyn **McAndrews**. (2016). “Cross-Site Evaluation of the Kaiser Permanente Walk and Wheel Initiative.” Kaiser Permanente Colorado Community Benefit.

Litt, Jill S., Carolyn **McAndrews**, Mahalia Hopkins. (2016). “Walk and Wheel Evaluation: Worksite Report.” Kaiser Permanente Colorado Community Benefit.

Marshall, Wesley E., Carolyn McAndrews. (2016). “Does the Livability of a Residential Street Depend on the Characteristics of the Neighboring Street Network?” Mountain-Plains Consortium MPC-309.

**McAndrews**, Carolyn, Justine Marcus, Jo Kelley, Kim Neuschel, Pa Vang. (2012). “Turning Highways Into Health Infrastructure.” Research report produced with the Verona Road Justice Coalition and the Department of Public Health Madison Dane County. Robert Wood Johnson Foundation Health and Society Scholars Program.

**McAndrews**, Carolyn, Elizabeth Deakin, and Lee Schipper. (2009). “Considering Climate Change in Latin American and Caribbean Urban Transportation: Concepts, Applications, and Cases.” The World Bank.

Schipper, Lee, Elizabeth Deakin, Carolyn **McAndrews**, and Lynn Scholl. (2009). “Climate Change Considerations in Latin American Cities: Concepts, Applications, and Cases.” The World Bank.

**McAndrews**, Carolyn and Yorgos Voukas. (2007). “Sustainable Transportation Indicators for the *EMBARQ* Network.” Research report for Centro de Transporte Sustentable de México. CTS México.

Hansen, Mark, Carolyn **McAndrews**, Emily Berkeley, Joana Gribko, David Berkey, and Shahab Hasan. (2007). “Understanding and Evaluating the Federal Aviation Administration Safety Oversight System.” Federal Aviation Administration.

**McAndrews**, Carolyn, Mark Hansen and Emily Berkeley. (2005). “Safety Oversight Evaluation Methods in Rail, Nuclear Power, and Aviation.” Federal Aviation Administration.

Hansen, Mark, Carolyn **McAndrews**, and Emily Berkeley. (2004). “History of Aviation Safety in the United States.” Federal Aviation Administration.

### **Outreach Publications for Practitioner and Popular Audiences**

Christopher Ed, David Berrigan, Andrew Dannenberg, Christopher Kochtitzky, Carolyn **McAndrews**, Keshia Pollack Porter, Ken Rose. (2019). “Public Health and Transportation.” Centennial Paper for Transportation Research Board 100<sup>th</sup> Anniversary celebration.

Task Force on Arterials and Public Health. (2019). *Arterial Roadways Research Needs and Concerns: Informing the Planning, Design, and Operation of Arterial Roadways Considering Public Health*. Transportation Research Circular E-C239. Washington, D.C.: National Academies of Sciences, Engineering and Medicine. (**McAndrews**: Secretary of the Task Force.)

Christopher, Ed, Carolyn **McAndrews**. (2018). “Improving Arterial Roads to Support Public Health: How Can We Do This?” *ITE Journal*, May 2018, 13–16.

**McAndrews**, Carolyn. (2016). “Promoting Public Input into a Major Transportation Public Works Project,” in *Knowledge Exchange Experiences from the Health & Society Scholars*

*Program at the University of Wisconsin at Madison*, Kristin Harper, ed.

<https://uwphi.pophealth.wisc.edu/HSS-knowledge-exchange/KnowledgeExchangeFullReport.pdf>

Massachusetts Department of Transportation (with Andrew Dannenberg, Carolyn **McAndrews**, Ed Christopher). (2013). “Quantifying Health Costs and Health Benefits for Transportation Investment Analysis.” Research needs statement, Transportation Research Board.

**McAndrews**, Carolyn. (2013). “Top Ten Thought Provoking Themes and Questions from the Public Health and Transportation Cross-cutting Session, 2013 TRB Annual Meeting.” Published in the TRB Health and Transportation Subcommittee Spring 2013 Newsletter.

Hartell, Ann, Carolyn **McAndrews**. (2012). “Implementation Strategies for Health Components of Transportation Plans.” Research needs statement, Transportation Research Board.

Hartell, Ann, Carolyn **McAndrews**. (2012). “Data for Health and Transportation Planning and Programs.” Research needs statement, Transportation Research Board.

**McAndrews**, Carolyn, Ann Hartell. (2012). “Improving Access to Healthy Food through Transportation Projects and Policies.” Research needs statement, Transportation Research Board.

**McAndrews**, Carolyn, Justine Marcus, Jo Kelley, and Michael Dean Hebert. (2012). “Verona Road Can Be a Better Neighbor.” Video.

**McAndrews**, Carolyn. (2012). “Rethink the Verona Road Construction Plan.” *Wisconsin State Journal*. 24 May 2012.

### **Publications in Preparation / Under Review / In Revision**

**McAndrews**, Carolyn, Ed Christopher. (2020). “How Can We Implement Healthy Streets Projects? Complete Streets versus Access Management.” In preparation for *Transportation Research Interdisciplinary Perspectives*.

Li, Meng, Shalini Mahanthege, Carolyn **McAndrews**. (2020). “Nobody Can Pay the Right Price for Parking.” In preparation for TBD.

Tabatabaie, Sara, Jill S. Litt, Carolyn **McAndrews**, Fahriye Sancar. (2017). “The Role of Bicycle Master Plans in Advancing Bicycle-Friendly Places at the Municipal Level.” Revise and resubmit (R1) at *Journal of Public Health Management and Practice*.

Hansmann, Kellia, Maggie Grabow, Bruce Barrett, Carolyn **McAndrews**. (2020). “Health Equity and Active Transportation: A Scoping Review.” In preparation for *Journal of Transport and Health*.

**McAndrews**, Carolyn, Bob Schneider, Yicong Yang. (2020). “Gender and Complete Streets: A Multilevel Approach to Social Inclusion.” Submitted to TBD.

Yang, Yicong, Carolyn **McAndrews**. (2020). Social Network Analysis of Public Health Knowledge Domains in the Transportation Research Board. In preparation for TBD.

Yang, Yicong, Carolyn McAndrews. (2020). Gender Gaps in Ride-Hail Use in U.S. Metropolitan Areas. Submitted to *Journal of Planning Education and Research*.

## Research Support

### External Awards

- 2021–2022** Principal Investigator (with Kristine Williams, Tia Boyd, Anurag Pande, Shams Tanvir). “Equitable Transportation Planning Curriculum for Urban Planning and Transportation Programs” Center for Transportation Equity, Decisions, and Dollars (\$94,000, excluding internal match).
- 2020–2021** Principal Investigator (with Lingqian Hu, Bob Schneider, Catherine Ross, Yu Zhang). “Gender Analysis Tool for Complete Streets Implementation: Mobility, Families, and Emerging Technologies” Center for Transportation Equity, Decisions, and Dollars (\$168,000, excluding internal match).
- 2019–2020** Principal Investigator. “Integrated Taxi and Transit Demonstration Project: Transportation for Low-Income Workers in Dane County, WI”, Center for Transportation Equity, Decisions, and Dollars (\$58,000, excluding internal match).
- 2019** Principal Investigator. “Mobilize Dane: Connecting People by Removing Transportation Barriers to Jobs”, Schmidt Futures with DreamUp Wisconsin (\$20,000).
- 2018–2019** Principal Investigator. “Union Rides: Harnessing the Shared Value of Commute Travel” Center for Transportation Equity, Decisions, and Dollars (\$50,000, excluding internal match and \$134,000 Wisconsin Department of Workforce Development grant awarded to Union Cab).
- 2017–2018** Co-Principal Investigator (with Meng Li), “Testing Irrationality in Metered Parking Payment Compliance” Mountain Plains Consortium University Transportation Center (\$60,000, excluding internal match).
- 2015–2017** Principal Investigator, “Effects of Infill Development and Regional Growth on At-Risk Populations’ Exposure to Traffic Density” Mountain Plains Consortium University Transportation Center (\$60,000, excluding internal match).
- 2014–2017** Co-Principal Investigator (with Wesley Marshall, Krista Nordback, and Bruce Janson), “Why Are Bike-Friendly Cities Safer for All Road Users?” Mountain Plains Consortium University Transportation Center (\$146,991 excluding internal match).



- 2014–2015** Co-Principal Investigator (with Jill Litt), “Walk and Wheel Initiative Evaluation.” Kaiser Permanente Colorado Community Benefit (\$99,174).
- 2013–2015** Co-Principal Investigator (with Wesley Marshall), “Livable Arterials” Mountain Plains Consortium University Transportation Center Grant, (\$80,916, excluding internal match).
- 2012–2013** Principal Investigator, Colorado Center for Community Development, LiveWell Colorado project in the Westwood neighborhood in Denver, Colorado, (\$178,891); Lois Brink PI (2009-2011).
- 2012–2013** Principal Investigator, Colorado Center for Community Development, LiveWell Colorado project in the Globeville-Elyria-Swansea neighborhood in Denver, Colorado, (\$183,418).

### **Internal Awards**

- 2019–2020** Co-Principal Investigator (with Bob Schneider), “Gender analysis and global learning for safe and healthy streets: Implementing a complete streets policy in Milwaukee, WI.” Global Health Institute Seed Grant, University of Wisconsin–Madison (\$20,000)
- 2017–2018** Co-Principal Investigator (with Meng Li), “CRC (Creative Research Collaborative) Faculty Interdisciplinary Fellowship,” University of Colorado Denver Office of Research Services (\$4,000)
- 2016–2017** Principal Investigator, “The Effectiveness of Activism in Addressing Transportation’s Public Health Impacts,” University of Colorado YUMPS/Departmental. (\$1,000)
- 2015–2016** Principal Investigator, “Denver Federal Boulevard as a Model for Denver Corridor Planning,” University of Colorado YUMPS/Departmental. (\$1,000)
- 2015–2016** Principal Investigator, “A Moving Target: How Rural, Small, and Low-Density Communities in Colorado Are Redefining Walking and Bicycling and Challenging Stereotypes of Physical Activity and Health,” University of Colorado YUMPS/Office of Research Services/Departmental, (\$1,000)
- 2014–2015** Principal Investigator, “Does Training in Facilitation Increase Students’ Professional Self-Awareness,” President’s Teaching and Learning Collaborative: Scholarship of Teaching and Learning, University of Colorado, (\$1,550)
- 2013–2014** Co-Principal Investigator (with Wesley Marshall), “Does the livability of a residential street depend on the characteristics of the neighboring street network?” UC Denver Faculty Development Grant, (\$9,670)

**2013–2014** Principal Investigator, “Social and Demographic Differences in Traffic Injury Risk and Exposure in Wisconsin,” University of Colorado YUMPS/Departmental, 2013-2014 (\$1,000)

**2013–2014** Colorado Center for Community Development affiliate award, (\$3,500)

### **Grants Awarded as a Postdoc or Graduate Student**

**2011–2012** Robert Wood Johnson Foundation, Health and Society Scholars Competitive Grant, 2011–2012, (\$11,000)

**2010–2011** Robert Wood Johnson Foundation, Health and Society Scholars Competitive Grant, 2010–2011, (\$25,000)

**2008–2009** University of California Transportation Center Dissertation Grant, (\$15,000)

**2008–2009** Swedish Women’s Educational Association Scholar, (\$5,000)

**2007–2009** Eisenhower Transportation Fellow, (varied from \$3,000 to \$15,000)

**2006** University of California Institute for Mexico and the United States, Small Grant, (\$3,000)

**2005** University of California Institute for Mexico and the United States, Small Grant, (\$3,000)

**2003–2009** University of California Transportation Center Fellowship, (varied from \$2,500 to \$10,000)

### **Presentations**

#### **Peer-Reviewed Presentations at Meetings and Conferences**

**2021** Yang, Yicong and Carolyn **McAndrews**. (2021). Social Network Analysis of Public Health Knowledge Domains in the Transportation Research Board. Transportation Research Board Annual Meeting. Virtual, Jan. 2021.

**2020** Allon, Alexander, Carolyn **McAndrews**, Annette Ruth, Bill Carter, Tammie Davis. (2020). “Cabs to Careers: Lessons from a Traditional Taxicab Firm’s Implementation of a Ride Service for Low-Income Workers.” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2020.

**2020** Yang, Yicong and Carolyn **McAndrews**. (2020). “A Statewide Analysis of Individuals’ Exposure to Business Establishments and Active Travel Behavior.” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2020.

**2019** **McAndrews**, Carolyn, Meghan McCloskey Boydston, Ed Christopher. (2019). “Public Health and Transportation Share an Analytical Framework for Arterial Roads

- but Contrasting Views of Implementation.” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2019.
- 2018** **McAndrews**, Carolyn. (2018). “Implementing Mobility Justice with Vision Zero.” Association of Collegiate Schools of Planning Annual Meeting. Buffalo, NY, Oct. 2018.
- 2017** **McAndrews**, Carolyn, Elizabeth Deakin, Sarah Turnbach. (2017). “Effective Activism in Transportation: Cases from the Grassroots.” Association of Collegiate Schools of Planning Annual Meeting. Denver, CO, Oct. 2017.
- 2017** **McAndrews**, Carolyn, Kenta Okuyama, Jill S. Litt. (2017). “The Reach of Bicycling in Rural, Small, and Low-Density Places.” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2017.
- 2016** **McAndrews**, Carolyn. (2016). “Bicycling out of Bounds: Models of Bicycling in Rural, Small, and Low-density Places.” Association of Collegiate Schools of Planning Annual Meeting. Portland, OR, Nov. 2016.
- 2016** **McAndrews**, Carolyn. (2016). “Learning the Art of ‘At-Grade’ Communication: Facilitation and Dialogue Skills Training in Transportation Education.” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2016.
- 2015** **McAndrews**, Carolyn. (2015). “The Politics of Collective Participation in Transportation Decision-Making,” Association of Collegiate Schools of Planning Annual Meeting, Houston, TX, Oct. 2015.
- 2015** **McAndrews**, Carolyn, Kara Silbernagel, Kirsten Beyer, Clare E. Guse, Peter Layde. (2015). “Pedestrian and Motor Vehicle Occupant Safety in Rural and Urban Communities: Comparison of Fatality Risk per Trip,” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2015.
- 2014** **McAndrews**, Carolyn, Wesley E. Marshall, Laia Mitchell, Craig Fisher. (2014). “Livable Streets. Livable Arterials?” Association of Collegiate Schools of Planning Annual Meeting, Philadelphia, PA, Nov. 2014.
- 2014** Tabatabaie, Sara, Jill S. Litt, Carolyn **McAndrews**. (2014). “Are We Getting to Bicycle-Friendly Communities? The Role of the Plan in Advancing Built-Environment Change: Lessons from Cities in Colorado,” Association of Collegiate Schools of Planning Annual Meeting, Philadelphia, PA, Nov. 2014.
- 2014** **McAndrews**, Carolyn, Kirsten Beyer, Clare E. Guse, Peter Layde. (2014). “Targets for Reducing Disparities in Road Safety Across Travel Modes and Populations,” New Partners for Smart Growth: Beyond Silos, Denver, CO, Feb. 2014.
- 2014** **McAndrews**, Carolyn, Kirsten Beyer, Clare E. Guse, Peter Layde. (2014). “Techniques for Using Hospital, Police, and Travel Survey Data to Analyze

- Transportation Injury Risk. Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2014.
- 2014** **McAndrews**, Carolyn, Justine Marcus, Melanie Sloan. (2014). “Collective Public Participation: How Organized Communities Participate in Transportation Decision-Making.” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2014.
- 2012** **McAndrews**, Carolyn. (2012). “Arterial Roads and Health Disparities: A Case Study.” Association of Collegiate Schools of Planning, Cincinnati, OH. Oct. 2012.
- 2011** **McAndrews**, Carolyn. (2011). “Reframing Road Safety as a Population Health Issue: Disparities and Social Factors.” Association of Collegiate Schools of Planning Annual Meeting, Salt Lake City, UT. Oct. 2011.
- 2011** **McAndrews**, Carolyn. (2011). “Road Safety as a Shared Responsibility and a Public Problem: Revisiting Vision Zero.” Society for the Study of Social Problems Annual Meeting, Las Vegas, NV. Aug. 2011 & Society for Social Studies of Science Annual Meeting, Cleveland OH, Nov. 2011.
- 2011** **McAndrews**, Carolyn. (2011). “The Swedish Model of Road Safety: Multimodalism and Its Implications for Organizing Transportation and Land Use Professionals.” Midwest Political Science Association Conference, Chicago, IL. Apr. 2011.
- 2010** **McAndrews**, Carolyn. (2010). “Safety Ideas in Land Use Planning and Street Design in California and Sweden.” 2010 World Conference in Transportation Research, Lisbon. Jul. 2010.
- 2010** **McAndrews**, Carolyn, Elizabeth Deakin, Lee Schipper. (2010). “Institutional and Organizational Factors in Transportation’s Responses to Climate Change Mitigation: Perspectives from Latin America.” 2010 World Conference in Transportation Research, Lisbon. Jul. 2010.
- 2010** **McAndrews**, Carolyn, Elizabeth Deakin, Lee Schipper. (2010). “Climate Change and Urban Transportation in Latin America: An Analysis of Recent Projects.” Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2010.
- 2009** **McAndrews**, Carolyn. (2009). “Safety Ideas and Adaptation in Swedish Street Design Guidelines, 1968-2009.” Associated Collegiate Schools of Planning Conference, Crystal City, VA, Oct. 2009.
- 2008** **McAndrews**, Carolyn. (2008). “Strategies for Improving Pedestrian Safety: Cases from Guadalajara, Jalisco and Morelia, Michoacán.” Transportation Research Board Annual Meeting, Washington D.C., Jan. 2008.
- 2005** **McAndrews**, Carolyn, Elizabeth Deakin, Alfredo Celis de la Rosa. (2005). “Pedestrian Safety at the Urban Fringe: A Case Study of Guadalajara, Jalisco,

Mexico.” Association of Collegiate Schools of Planning Conference, Kansas City, Nov. 2005.

- 2005** **McAndrews**, Carolyn, Mark Hansen. (2005). “Challenges of Measuring the Performance of FAA’s Safety Oversight System.” Transportation Research Board Annual Meeting, January 2005; FAA Centers of Excellence Conference, Mar. 2005.

### **Non Peer-Reviewed Presentations: Meetings, Conferences, and Invited Talks**

- 2021** **McAndrews**, Carolyn. (2021). “Tying It All Together: Transportation as a Social Determinant of Health,” Transportation Research Board Annual Meeting, Jan. 2021.
- 2021** **McAndrews**, Carolyn. (2021). “The High Stakes of Arterial Roads for Health, Safety, and Accessibility: Research Needs for Future Arterial Roads.” TRB Workshop on Improving Pedestrian Crossing Safety along Major Arterials: Issues and Innovations, Jan. 2021.
- 2020** **McAndrews**, Carolyn, Bob Schneider, Yicong Yang. (2020). “Gender and Complete Streets: A Multilevel Approach to Social Inclusion.” TRB webinar, Walk the Walk: Gender Differences in Pedestrian Planning, Dec. 2020.
- 2020** **McAndrews**, Carolyn. (2020). “Implementation of a Taxi-Vanpool Service to Remove Transportation Barriers to Work. Invited talk at University of Massachusetts Amherst Transportation Seminar, Nov. 2020, and CTEDD webinar Dec. 2020.
- 2020** **McAndrews**, Carolyn. (2020). “Who Are Non-Drivers in Wisconsin?” Wisconsin Non-Driver Advisory Committee, Jun. 2020.
- 2020** **McAndrews**, Carolyn. (2020). “Learning from My Peers in a Successful Writing Group,” UW Dept. of Family Medicine and Community Health, Madison, WI, Jan. 2020.
- 2019** **McAndrews**, Carolyn. (2019). “Cabs to Careers?” WARF Crossroads of Ideas, Madison, WI, Nov. 2019.
- 2019** Hansmann, Kellia, Maggie Grabow, Bruce Barrett, Carolyn **McAndrews**. (2019). “Health Equity and Active Transportation: A Scoping Review in Progress” North American Primary Care Research Group Annual Meeting, Toronto, ON, Nov. 2019.
- 2019** Leopold, Cassandra, Bob Schneider, Carolyn **McAndrews**. (2019). “Gender Analysis for Safe and Healthy Streets: Lessons for Inclusive Complete Streets Implementation.” Healthy People on a Healthy Planet, UW–Milwaukee, Milwaukee, WI, Sep. 2019.
- 2019** Ruth, Annette, Alexander Allon, Carolyn **McAndrews**. (2019). “Health Co-benefits of Eliminating Transportation Barriers to Jobs.” Wisconsin Public Health Association, Wisconsin Dells, May 2019.

- 2019** **McAndrews**, Carolyn. (2019). “Implementing Safe and Healthy Streets.” Population Health Seminar, Madison, WI, Feb. 2019.
- 2019** **McAndrews**, Carolyn. (2019). “Arterial Roads and Public Health.” Task Force Panel Member Perspectives, Advancing Public Health in Transportation is Critical for a Smart, Sustainable, and Equitable Future, Part 2. TRB Annual Meeting, Washington, D.C., Jan. 2019.
- 2018** **McAndrews**, Carolyn. (2018). “Overview of Transportation Cooperatives in the U.S.” Brazilian Cooperatives Leadership Seminar, Madison, WI, Sep. 2018.
- 2018** **McAndrews**, Carolyn. (2018). “Bicycle Planning Across the Urban-Rural Continuum.” TRB Annual Meeting, Washington, D.C., Jan. 2018.
- 2017** **McAndrews**, Carolyn. (2017). “Transportation as a Social Determinant of Health.” University of Colorado Denver Creative Research Collaborative. Denver, CO, Sep. 2017.
- 2017** **McAndrews**, Carolyn. (2017). “Urban Transportation Research.” University of Colorado Foundation, Board of Trustees Quarterly Meeting. Denver, CO, Aug. 2017.
- 2016** **McAndrews**, Carolyn. (2016). “Transportation and Land Use as Social Determinants of Health.” Planning for a More Sustainable Future: Symposium on the Integration of Transportation, Land Use, and Environmental Planning for Equity, Economic Development, and a Healthy Environment. Berkeley, CA, Oct. 2016.
- 2016** **McAndrews**, Carolyn. (2016). Research update at the 2016 University of Wisconsin-Madison Scholarpalooza, Madison, WI, Jun. 2016.
- 2012** **McAndrews**, Carolyn. (2012). “Overview of Motorization Trends in the Latin America and Caribbean Region.” Urban Transport Pathways: Do the Experiences of the US and the EU Offer Lessons for the Developing World, Berkeley, CA, Sep. 2012.
- 2012** **McAndrews**, Carolyn. (2012). “Transforming Highways into Health Infrastructure: Integrating Transportation and Health Policy.” Population Health Sciences Seminar, University of Wisconsin-Madison, Madison, WI, Apr. 2012.
- 2012** **McAndrews**, Carolyn. (2012). “Transforming Highways into Health Infrastructure: Integrating Transportation and Health Policy.” Robert Wood Johnson Foundation Annual Meeting, Bethesda, MD, Apr. 2012.
- 2011** **McAndrews**, Carolyn. (2011). “Road Safety Disparities: Do Some Travelers Have Higher Exposure to Hazardous or Protective Environments?” Robert Wood Johnson Foundation Health and Society Scholars Program Annual Meeting, Bethesda, MD. May 2011.

- 2008** **McAndrews**, Carolyn. (2008). “Urban Transportation, Urban Development, and Motorization in Mexico.” Presentation to the Latin American and Caribbean transport group of the World Bank. Berkeley, CA, Sep. 2008.
- 2007** **McAndrews**, Carolyn. (2007). “Sistemas urbanos y la seguridad peatonal: el caso del Periférico de la Zona Metropolitana de Guadalajara.” First Annual International Accident Prevention Conference of Jalisco, Puerto Vallarta, Nov. 2007.
- 2005** Armstrong, K., C. Cherry, J. Day, E. Deakin, J. Flórez, C. **McAndrews**, L. Mejias, G. Newmark, J. Rubin, and J. Stagi. (2005). “The Revitalization of San Pablo Avenue – A Multimodal Urban Corridor.” U.S. Environmental Protection Agency’s P3 – People, Planet, and Prosperity – Student Design Competition. Apr. 2005.

### **Seminar and Workshop Presentations**

- 2020** **McAndrews**, Carolyn. (2020). “Cities and the Built Environment.” Guest lecture in Global Environmental Health, University of Wisconsin–Madison, Apr. 2020.
- 2020** **McAndrews**, Carolyn. (2020). “Active Transportation.” Guest lecture in Designing Healthy Communities, University of Wisconsin–Madison, Mar. 2020.
- 2014** **McAndrews**, Carolyn. (2014). “Transportation and Land Use.” Guest lecture in Built Environment and Behavior, Environmental Studies Program, University of Colorado Boulder, Oct. 2014.
- 2012** **McAndrews**, Carolyn. (2012). “Our Transportation Environments Can Be Better Neighbors and Support Healthier Communities.” Institute for Health and Society, Medical College of Wisconsin, Apr. 2012.
- 2011** **McAndrews**, Carolyn. (2011). “Land Use and Transportation Systems: Their Governance and How They Influence Behavior and Health Outcomes” University of Wisconsin-Madison, URPL 590: Urban Design—Theory and Practice, Dec. 2011.
- 2011** **McAndrews**, Carolyn. (2011). “Safety and the Organization of Transportation and Land Use Professionals.” Department of Urban and Regional Planning, University of Wisconsin-Madison. Feb. 2011.
- 2010** **McAndrews**, Carolyn. (2010). “Swedish Urbanism and Global Road Safety Expertise.” Swedish Women’s Educational Association, San Francisco, CA, Mar. 2010.
- 2009** Deakin, Elizabeth and Carolyn **McAndrews**. (2009). “Challenges of Managing the Multi-Use Arterial.” American Planning Association, California Chapter Conference, Squaw Valley, CA, Sep. 2009.

- 2007** Deakin, Elizabeth, Carolyn **McAndrews**, and Dhyana Quintanar. (2007). “Transit-Oriented Development in the Mexican Context.” Workshop held at the 3er Congreso Internacional de Transporte Sustentable, Mexico City, Sep. 2007

## **Membership in Professional Organizations**

- 2019–** Network on European Communications and Transport Activities Research
- 2016–present** Interdisciplinary Association for Population Health Science, Member
- 2012–present** American Planning Association, Member
- 2012–present** Association of Collegiate Schools of Planning, Member
- 2010–present** Women’s Transportation Seminar (WTS), Member
- 2005–present** Transportation Research Board, Member

## **Other Professional Activities**

- Jun. 2007 – Aug. 2007** Practicante, Centro de Transporte Sustentable México (EMBARQ México), Coyoacán, México
- Jun. 2000 – Jun. 2003** Research Analyst/Research Associate, Charles River Associates, Oakland, CA

## **Teaching**

### **Courses Taught at University of Wisconsin–Madison**

Introduction to Planning	Land Use Policy and Planning
Transportation and the Built Environment	Climate Action Planning: Sustainable Transportation
Transportation Policy and Planning	
Mobility and the Future City	

## **University & Department Service**

- 2020–** Member, Global Health Institute Advisory Board, University of Wisconsin–Madison
- 2019–present** Chair, Master of Urban and Regional Planning Program Committee, Department of Planning and Landscape Architecture University of Wisconsin–Madison (previously member until 2020)
- 2018–present** Chair, Campus Transportation Committee, University of Wisconsin–Madison (previously member until 2019)



**2018–2020** Chair (co-Chair with Shira Hand 2018–2019), Committee on Diversity, Equity, and Inclusion, Department of Planning and Landscape Architecture University of Wisconsin–Madison

## **Professional Service**

**2011–present** Member (2011–present), Communications Coordinator (2011–2014, 2020–) Research Needs Co-Coordinator (2011–2016), Secretary (2014–2016), Paper Review Coordinator (2015), National Academies of Sciences, Engineering, and Medicine Transportation Research Board Health and Transportation Committee (previously Subcommittee)

**2018–present** Member Institute of Transportation Engineering and the ITE Transportation Health Committee (previously Working Group)

**2017–2019** Member National Academies of Sciences, Engineering, and Medicine, National Cooperative Highway Research Program (NCHRP) Project Panel, *A Guidebook for Communications between Transportation and Public Health Communities*

**2016–2019** Member National Academies of Sciences, Engineering, and Medicine, National Cooperative Highway Research Program (NCHRP) Project Panel, *Research Roadmap – Public Health and Transportation*

**2015–2019** Secretary and Paper Review Coordinator National Academies of Sciences, Engineering, and Medicine Transportation Research Board Task Force on Arterials and Public Health

**2012–2020** Member National Academies of Science, Engineering, and Medicine Transportation Research Board Committee on Social and Economic Factors of Transportation

**2014–2015** Member North Denver Cornerstone Collaborative Urban Design Peer Review Committee, City of Denver

Reviewer for journals:

- *Transportation; Transport Policy; Transportation Research Record; Transport Geography; Accident Analysis and Prevention; Injury Prevention; American Journal of Public Health; American Journal of Epidemiology; Journal of Epidemiology and Community Health; PLOS One; Journal of the American Planning Association; Journal of Planning Education and Research; Environment and Behavior; Science, Technology, and Human Values; Environmental Science and Technology; Journal of Transportation Science and Technology; Regulation & Governance*

Reviewer for grants:

- National Institute for Transportation and Communities; University of North Carolina Highway Safety Research Center; Transportation Research Center for Livable Communities; Center for Transportation Equity, Decisions, and Dollars; Xi'an Jiaotong-Liverpool University; Mountain-Plains Consortium University Transportation Center

Reviewer for prizes: American Association of Geographers Health and Medical Geography  
Jacques May Thesis Prize