

UTC Project Information	
Project Title	MPC-579 – Where the Sidewalk Ends: Equity Disparities with Respect to Municipal Maintenance Policy
University	University of Colorado Denver
Principal Investigator	Wesley Marshall, PhD, PE Bruce Janson, PhD
PI Contact Information	<p>Wesley Marshall, PhD, PE Associate Professor University of Colorado Denver Phone: (303) 315-7568 Email: wesley.marshall@ucdenver.edu ORCID: 0000-0002-3106-7342</p> <p>Bruce Janson, PhD Professor University of Colorado Denver Phone: (303) 315-7569 Email: bruce.janson@ucdenver.edu ORCID: 0000-0003-2901-8506</p>
Funding Source(s) and Amounts Provided (by each agency or organization)	<p>USDOT, Research and Innovative Technology Administration \$129,156.60</p> <p>University of Colorado Denver \$129,156.60</p>
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Agency ID or Contract Number	69A3551747108
Start and End Dates	December 14, 2018 to July 31, 2022
Brief Description of Research Project	<p>Sidewalks are a fundamental component of urban transportation networks. Yet unlike the rest of the right-of-way, many cities place the financial onus for the maintenance and replacement of sidewalks on the adjacent property owner. The resulting sidewalks can often be inconsistent and the means to fix them inefficient. Moreover, there may be disparities in the provision and quality of sidewalk infrastructure based on race, ethnicity, and/or income.</p> <p>This issue, unfortunately, remains an under-researched topic, primarily due to a lack of comprehensive sidewalk data. However, some cities are now beginning to collect planimetric spatial data from high resolution aerial imagery. This research project will conduct a comprehensive spatial analysis of the sidewalk infrastructure of two cities that take on the responsibility of sidewalks, and two that put that responsibility onto the abutting property owners.</p> <p>We will first ask whether variation in sidewalk maintenance policy impacts how sidewalks are being supplied and maintained in cities as</p>

	<p>well as if there are differences in the provision and condition of sidewalks based on income, race, or ethnicity in neighborhoods across these cities. If we find disparities, we will then seek to see if these are related to differences in pedestrian safety outcomes. This work will account for sidewalk supply, quality, state of disrepair, urban design, street design, and connectivity as well as potentially confounding factors such as land use. Beyond the direct policy implications of this research, this work will also speak to environmental justice as well as ADA accessibility.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project Website 	