

UTC Project Information	
Project Title	Bicycle Safety and Bikesharing (Former title: The Impact of Public Bikesharing on Bicycle Safety in North America)
University	San José State University Mineta National Transit Research Consortium
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Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program \$30,498.50 California Department of Transportation Office of Research—MS42 (\$30,498.50)
Total Project Cost	\$60,997
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	August 2013 – March 2016
Brief Description of Research Project	Public bikesharing systems have proliferated across cities within the United States, Canada, and Mexico in recent years. The result has been transformative on the mobility options available to residents of cities both big and small. People within these cities are bicycling more, often in substitute of all other modes. While the impact dynamics of bikesharing on modal shift are a subject of active study, it is clear that bikesharing is increasing the presence of bicycles on the urban streets of North America. Furthermore, many of the bicycles deployed in bikesharing systems are equipped with lights and brightly marked, increasing their visibility at night. The presence of bikesharing, and its inducement of bicycle travel, may have impacts on the broader safety of bicycling in North America. The increased presence of bicycles and prominence that comes with public bikesharing brings an elevated visibility and awareness of bicyclists on the street. At the same time, it also increases bicyclist exposure to motor vehicles, often without protective gear. What are the overall bicycle safety implications of bikesharing? This study is designed to explore whether there is empirical evidence as to whether bikesharing has had an impact on the broader safety of bicycling within cities across North America. Given the spatial distribution of bikesharing along with the experience now gained over time, this study will evaluate the before-and-after trends

	<p>collision rates involving bicyclists in the cities that have deployed bikesharing over similar time frames. The study will evaluate the degree to which bikesharing increased, decreased, or has not changed bicycle collisions and collision rates within the urban regions in which bikesharing has been deployed.</p> <p>The study will also qualitatively evaluate the special case of the San Francisco Bay Area through focus groups and expert interview. The Bay Area Air Quality Management District is launching a bikesharing system in late 2013, which will be deployed within the city of San Francisco and across the Peninsula connecting cities with the Caltrain system. Four focus groups will be conducted, two with members of the bikesharing system and two with non-bicyclists in the Bay Area. The focus groups would discuss bicycling, bikesharing, and safety. They would gain perspectives on safety from those that experience bikesharing in the Bay Area on bicycles as well as those that experience bikesharing primarily through automobiles. Ten to fifteen expert interviews would also be conducted with staff of municipal agencies within cities that are deploying bikesharing in the Bay Area. The interviews will engage staff directly associated with the program in their jurisdiction and discuss policies and measures being taken with respect to bicycle safety in conjunction with bikesharing.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p>	<p>Research in progress.</p> <p>Martin, Elliot. "Shared-Use Mobility Research." Presentation at the American Public Transportation Association Research & Technology Strategic Plan WebEx Meeting, San Jose, CA, March, 6, 2014.</p> <p>Martin, Elliot. "Bikesharing and Bicycle Safety." Presentation at the 2nd Annual Silicon Valley Bikes! Festival & Bicycle Show BPAC Meeting, San Jose, CA, May 15, 2016</p>
<p>Place Any Photos Here</p>	

Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none">• Reports• Project Website	Final report (MNTRC Website): http://transweb.sjsu.edu/project/1204.html Final report (TRB Website): https://trid.trb.org/view/2016/M/1400830