

UTC Project Information	
Project Title	Exploring Bicycle and Public Transit Use by Low-Income Latino Immigrants: A Mixed-Methods Study in the San Francisco Bay Area (Former Title: Bicycling and Access to Transit by Low-Income Immigrants)
University	San José State University Mineta National Transit Research Consortium
Principal Investigator	Jesus Barajas
PI Contact Information	Mineta Transportation Institute San José State University 210 N. 4 th St., 4 th Floor San José, CA 95112 jmbarajas@berkeley.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program (\$30,500) California Department of Transportation Office of Research—MS42 (\$30,500)
Total Project Cost	\$61,000
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	August 2013 – May 2016
Brief Description of Research Project	Latin American immigrants will continue to make up a large share of transit ridership, bicycling and walking in the United States for the foreseeable future, but there is relatively little research about them. This mixed-methods study compares the travel patterns of low-income immigrants living in the San Francisco Bay Area with that of other groups and investigates the barriers and constraints faced by low-income immigrants when taking transit and bicycling. Much of the previous work on immigrant travel has relied on national surveys and qualitative analysis, which underrepresent disadvantaged population groups and slower modes of travel, or are unable to speak to broader patterns in the population. We conducted interviews with 14 low-income immigrants and a paper-based intercept survey of 2,078 adults. Interviewees revealed five major barriers that made public transit use difficult for them, including safety, transit fare affordability, discrimination, system legibility, and reliability. Although crime was the most prominent issue in interviews, the survey results suggest transit cost is the most pressing concern for low-income immigrants. Low-income immigrants were less likely than those with higher-incomes to have access to a motor vehicle, and were less likely than higher-income immigrants or the U.S.-born of any income to have access to a bicycle or bus pass. Finally, although most barriers to public transit use were the same regardless of

	<p>nativity or household income, low-income immigrants were much less willing to take public transit when they had the option to drive and less willing to bicycle for any purpose. The prevalence of concerns about transit affordability, crime, and reliability suggest transit agencies should consider income-based fare reductions, coordinated crime prevention with local law enforcement, and improved scheduling.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p>	<p>Chatman, Dan. "Barriers to Travel: The Stories of Low-Income Latino Immigrants." Presentation at the Association of Collegiate Schools of Planning Annual Conference, Philadelphia, PA, 2014</p> <p>Chatman, Dan. "Low-income Immigrant Travel Behavior in the San Francisco Bay Area: Findings from an Intercept Survey." Presentation at the Association of Collegiate Schools of Planning Annual Conference, Houston, TX, October 24, 2015</p> <p>Barajas, Jesus. "Relative Influences of Immigrant Perceptions and Attitudes on Travel Choice." Presentation at the 14th World Conference on Transport Research, Shanghai, China, July 10, 2016. [No UTC funds used to support international travel.]</p> <p>Barajas, Jesus. "What Motivates Bicycling? Relative Influences of the Individual, Social, and Build Environments among Immigrants and Non-Immigrants" Presentation at the 56th Association of Collegiate Schools of Planning Annual Conference, Portland, OR, November 3, 2016.</p> <p>Barajas, Jesus. "Bicycling is Freedom: A Qualitative Analysis of Latino Immigrant Cycling Experiences." Presentation at the 96th Annual Meeting of the Transportation Research Board, Washington, DC, January 8-12, 2017.</p> <p>Barajas, Jesus. "Immigration, Income, and Public Transit Perceptions: Findings from an Intercept Survey." Presentation at the 96th Annual Meeting of the Transportation Research Board, Washington, DC, January 8-12, 2017.</p> <p>Barajas, Jesus. "Exploring Bicycle and Public Transit Use by Low-Income Latino Immigrants: A Mixed-Methods Study in the San Francisco Bay Area." Presented at the 2017 CALCOG Leadership Forum, Monterey, CA, March 31, 2017.</p>

<p>Place Any Photos Here</p>	 <p>http://www.tcdailyplanet.net/sites/tcdailyplanet.net/files/imagecache/HugeColorbox/bike_0.jpg</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project Website 	<p>Final report (MNTRC Website): http://transweb.sjsu.edu/project/1202.html</p>