


UTC Project Information	
Project Title	Intermodal Bus and Bicycle Transportation in Southern Nevada
University	University of Nevada, Las Vegas Mineta National Transit Research Consortium
Principal Investigator	Alexander Paz, Ph.D.
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Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program (\$64,086)
Total Project Cost	\$64,086
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	January 2014 – December 2016
Brief Description of Research Project	<p>There are numerous environmental, health, and economic benefits to utilizing both active and public transportation over traveling in a private vehicle. Both the millennial generation and the baby boomer generation wish to reside in urban or suburban areas which offer a variety of transportation choices. For the Las Vegas metro area to remain competitive with other western regions at attracting these populations, investments into the transportation system to support various transit options are necessary.</p> <p>The primary objective of this research is to gain a better understanding of how to make bicycling and transit a more viable transportation option in Las Vegas. Surveys will be created and implemented to gauge knowledge and perceptions about existing bicycle infrastructure. Individuals who will be surveyed include cyclists, bus drivers, bus passengers, and automobile drivers. The survey will measure preferences for bicycling infrastructure (i.e. where cyclists should ride, effect on travel speed, on-street versus off-street, etc.), the safety perception and likelihood of use for numerous bicycle facilities, and what infrastructure investments would result in more cycling or mode share transit use. Additionally, the study will examine the legal issues involved in current standards. For example, the viability of shared bike lanes will be investigated because the standard 14 foot outside lanes may create conflict with NRS state laws. 'Share the road' may mandate illegal behavior in that state law requires that</p>

	<p>vehicles pass bicycles with at least a 3 foot space between them. This means that they have to change lanes to go around the bicyclist, which obviates the idea of the wider shared right lane.</p> <p>Count models will be used to estimate the probability of use for each infrastructure choice. After analysis of the results, recommendations will be made for future infrastructure investments which have the potential to increase the viability of biking and other active modes of transportation. These data can be used to make well-informed decisions for current and future bicycle and transit infrastructure planning based on stakeholders knowledge, attitudes, behaviors, and expectations.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p>	<p>Research in progress.</p> <p>Paz, Alexander. "Intermodal Bus and Bicycle Transportation in Southern Nevada." Presentation at the 23rd Fall Transportation Conference, Las Vegas, NV, October 9, 2014.</p> <p>Paz, Alexander. "Intermodal Bus and Bicycle Transportation in Southern Nevada." Presentation at Nevada Chapter America Planning Association Annual Meeting, October 15, 2014.</p> <p>Paz, Alexander. "Intermodal Bus and Bicycle Transportation in Southern Nevada." Presentation at the 24th Fall Transportation Conference, Las Vegas, NV, October 8, 2015.</p> <p>Coughenour, C., Paz, A., Singh, A., Kathleen, L., & de la Fuente, H. (2015). Evaluation of Bicyclist Perceptions Of Current And Future Infrastructure to Increase the Viability of Intermodal Transportation In Las Vegas, NV. Journal of Urbanism. (Scopus)</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	<p>Final report (MNTRC Website):</p> <p>Final report (TRB Website):</p>
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