MNTRC
MINETA NATIONAL TRANSIT RESEARCH CONSORTIUM

UTC Project Information	
Project Title	An Overview of System Design Issues Related To Safety Aspects of Bicycle Infrastructure (Former titles: Safety Aspects of the Design of Bicycle Transportation Infrastructure AND THEN Design of Bicycle Infrastructure for Safety)
University	San José State University Mineta National Transit Research Consortium
Principal Investigator	Jan L. Botha, Ph.D.
PI Contact Information	Civil & Environmental Engineering San Jose State University One Washington Square San Jose, CA 95192 Jan.Botha@sjsu.edu 408-924-3953
Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program ($9,400) California Department of Transportation Office of Research—MS42 ($9,400)
Total Project Cost	$18,800
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	June 2012 – January 2016
Brief Description of Research Project	Bicycles have been used for personal transportation for a long time. However, bicycling has not played as significant a role in transportation as has traditionally been the case in Asia and Europe. More recently, US federal legislation has placed more emphasis on non-motorized modes of transportation, and cities like Portland and San José are actively promoting bicycling as a substitute for using motorized transportation. Because bicyclists are relatively unprotected in crashes, as opposed to motorists, and because separate bicycle paths and crossing are not ubiquitous, there are concerns about their safety. The aims of this project are to investigate the causes of bicycle crashes, as well as the impacts in terms of death and injury, review current policy regarding bicycling and the justification for providing bicycle-dedicated infrastructure, assess the impact on the other elements of the transportation system, project the outcomes of different strategies and policies that can be considered for bicycling and assess the role that the planning and design of bicycle infrastructure can and cannot play in the safety of bicycling. An important aspect of this project will be to articulate the appropriate questions that should be addressed to

	formulate policies and strategies for bicycling as well as the design and planning for bicycle facilities. It should be noted that safety is only one of the motivations for providing bicycle-dedicated infrastructure, and cannot be evaluated in a vacuum – other considerations have to be considered in tandem. Creating a bicycle design manual is not the objective of the project, but rather the formulation of the issues that should dictate the planning and design of bicycle facilities. Available data and literature will be used and where it is found deficient, it will be pointed out to identify possible future research projects.
Describe Implementation of Research Outcomes (or why not implemented)	Research in progress.
Place Any Photos Here	 http://images.smh.com.au/2012/10/03/3684400/jabike1_20121003140913255963-620x349.jpg
Impacts/Benefits of Implementation (actual, not anticipated)	

Web Links • Reports • Project Website	Final report (MNTRC Website): http://transweb.sjsu.edu/project/1125.html Final report (TRB Website): https://trid.trb.org/view/2016/M/1400022