UTC Project Information	
Project Title	Modeling and Analysis of Walkability in Suburban Neighborhoods in Las Vegas (Former title: Enhancing Walkability in Las Vegas)
University	University of Nevada, Las Vegas Mineta National Transit Research Consortium
Principal Investigator	Mohamed Kaseko, 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 ($52,458)
Total Project Cost	$52,458
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	January 2014 – May 2017
Brief Description of Research Project	Walking has sound health benefits and can be a pleasurable experience requiring neither fuel, fare, license, nor registration. Society also benefits by the associated reduction of motorized vehicle travel. The objective of this study was to quantify the walking environment by developing a comprehensive walkability index that (1) reflects resident perceptions of their neighborhoods' walking environment; (2) reflects the suitability and adequacy of the pedestrian facilities in the neighborhood infrastructure and built environment, and (3) incorporates a pedestrian crash index, which measures the pedestrian crash experience. Eleven neighborhoods in the Las Vegas, NV, metropolitan area were selected as a case study for this research. The study methodology involved surveying a sample of neighborhood residents to document perceptions of their walking environment, conducting field audits of the neighborhood infrastructure and land use related to walking, and collection of pedestrian crash data to develop crash indices to be incorporated into the walkability index. Using survey results, cross-classification tables were developed to identify infrastructure, land use and other neighborhood features that influence walking. Statistical models were also calibrated to determine relationships between residents' walking

	frequency and some key infrastructure and neighborhood features. Furthermore, the data was used to develop comprehensive walkability indices and identify features that may need improvement in order to encourage more walking.
Describe Implementation of Research Outcomes (or why not implemented)	Kaseko, Mohamed. "Enhancing Walkability in Las Vegas." Presentation at the 23rd Fall Transportation Conference, Las Vegas, NV, October 9, 2014. Kaseko, Mohamed. "Enhancing Walkability in Las Vegas." Presentation at the Nevada Chapter America Planning Association Annual Meeting, October 15, 2014. Kaseko, Mohamed. "Enhancing Walkability in Las Vegas." Presentation at the 24th Fall Transportation Conference, Las Vegas, NV, October 8, 2015. Kaseko, Mohamed. "Integration of Crash Index in Evaluation of Walkability." Presentation at the 95th Annual Meeting of the Transportation Research Board, Washington, DC, January 10-14, 2016.
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links • Reports • Project Website	Final report (MNTRC Website): http://transweb.sjsu.edu/project/1249.html