

UTC Project Information	
Project Title	Measuring the Benefits of Transit-Oriented Development (Former title: Evaluating the Impacts of Transit-oriented Development in New Jersey: Economic, Environmental, Public Health, and Overall Community Cohesion)
University	Rutgers, The State University of New Jersey Mineta National Transit Research Consortium
Principal Investigator	Robert Noland, 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 (\$60,000) New Jersey Department of Transportation (\$318,615)
Total Project Cost	\$378,615
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	June 2012 – October 2014
Brief Description of Research Project	Transit-oriented development (TOD) in New Jersey is evaluated using a variety of methods and different outcome measures. Data was gathered from respondents residing around eight train stations in New Jersey and up to two miles away from those stations. Additional data was gathered from four focus groups of those living near various train stations with some development and interviews with stakeholders engaged with the land development process. Three areas were also selected for a detailed case study analysis. Qualitative analysis focused on the perceptions of the benefits of TOD and any shortcomings that are seen. Analytical work included an analysis of travel behavior, including frequency of walking, driving and using transit; potential health benefits associated with living in proximity to a train station; social capital or civic engagement in areas proximate to the train station; traffic safety associated with proximity to the train station and other built environmental measures; residential property valuation associated with train station access and TOD amenities; benefits to users of rail transit for commute access to New York City and other destinations; and, an analysis of regional impacts using a regional travel demand model to examine changes in train usage and highway congestion. Beneficial effects of TOD and development near train stations is

	found in most of our results.
Describe Implementation of Research Outcomes (or why not implemented)	<p>Final report published:</p> <p>Noland, Robert B., Kann Ozbay, Stephanie DiPetrillo and Shri Iyer, Measuring Benefits of Transit Oriented Development, Report #FHWA-NJ-2014-014, for the New Jersey Department of Transportation, June 2013, also published as Mineta National Transit Research Consortium report 12-18, Sept 2014.</p> <p>Papers presented at conferences:</p> <p>Noland, Robert B., Stephanie DiPetrillo, and Nicholas K. Tulach, The Impact of Transit-Oriented Development on Social Capital, Physical Activity, and Environmental Conditions, presented at the <i>Annual Meeting of the Association of Collegiate Schools of Planning</i>, Cincinnati, Nov. 2012.</p> <p>Kay, Andrew I., Robert B. Noland, and Stephanie DiPetrillo. "Residential Property Valuations near Transit Stations with Transit-oriented Development." Presentation at the <i>93rd Annual Meeting of the Transportation Research Board</i>, Washington, DC, 2014.</p> <p>Mudigonda, Sandeep, Kaan Ozbay, Ozgur Ozturk, Shrisan Iyer, and Robert B. Noland. "Quantifying Transportation Benefits of Transit-oriented Development in New Jersey." Presentation at the <i>93rd Annual Meeting of the Transportation Research Board</i>, Washington, DC, 2014.</p> <p>Noland, Robert B., Stephanie DiPetrillo, and Nicholas K. Tulach, The Impact of Transit-Oriented Development on Social Capital, Physical Activity, and Environmental Conditions, presented at the <i>World Conference on Transport Research</i>, Rio de Janeiro, July. 2013.</p> <p>Noland, Robert B. and Stephanie D. Petrillo, Transit-oriented Development and the Frequency of Modal Use, presented at the <i>World Symposium on Transport and Land Use Research</i>, Delft, June 2014.</p> <p>Noland, Robert B. and Stephanie D. Petrillo, Transit-oriented Development and the Frequency of Modal Use, presented at the <i>Annual Meeting of the Association of Collegiate Schools of Planning</i>, Philadelphia, Oct. 2014.</p> <p>Published papers:</p>

	<p>Kay, Andrew I., Robert B. Noland, and Stephanie DiPetrillo, Residential Property Valuations near Transit Stations with Transit-oriented Development, <i>Journal of Transport Geography</i>, 39 (2014), 131–140.</p> <p>Mudigonda, Sandeep, Kaan Ozbay, Ozgur Ozturk, Shrisan Iyer, and Robert B. Noland, Quantifying Transportation Benefits of Transit-oriented Development in New Jersey, <i>Transportation Research Record: the Journal of the Transportation Research Board</i>, 2417 (2014), 111-120.</p> <p>Noland, Robert B. and Stephanie D. Petrillo, Transit-oriented Development and the Frequency of Modal Use, <i>Journal of Transport and Land Use</i>, 8(2), (2015), 21-44.</p>
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project Website 	<p>Final report (MNTRC Website): http://transweb.sjsu.edu/project/1142.html</p> <p>Final report (TRB Website): http://trid.trb.org/view/2014/M/1328568</p>