

UTC Project Information	
Project Title	Benefit-Cost Analysis for Transportation Planning and Public Policy: Towards Multimodal Demand Modeling (Former title: Integrating Highway and Transit Data into Benefit-Cost Analysis)
University	San José State University Mineta National Transit Research Consortium
Principal Investigator	Matthew Holian, 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 (\$19,998.50) California Department of Transportation Office of Research—MS42 (\$19,998.50)
Total Project Cost	\$39,997
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	August 2013 – August 2016
Brief Description of Research Project	This report examines existing methods of benefit-cost analysis (BCA) in two areas, transportation policy and transportation planning, and suggests ways of modifying these methods to account for travel within a multimodal system. Although the planning and policy contexts differ substantially, this report shows how important multimodal impacts can be incorporated into both by using basic econometric techniques and even simpler rule-of-thumb methods. Case studies in transportation planning focus on the California Department of Transportation (Caltrans), but benchmark California's competencies by exploring methods used by other states and local governments. The report concludes with a list and discussion of recommendations for improving transportation planning models and methods. These will have immediate use to decision makers at Caltrans and other state DOTs as they consider directions for developing new planning capabilities. This project also identifies areas, and lays groundwork, for future research. Finally, by fitting the planning models into the broader context of transportation policy, this report will serve as a resource for students and others who wish to better understand BCA and its use in practice.

<p>Describe Implementation of Research Outcomes (or why not implemented)</p>	<p>Holian, Matthew. "Benefit Cost Analysis at the California Department of Transportation." Presentation at the Public Choice Society Conference, Charleston, SC, March 6-9, 2014.</p> <p>Holian, Matthew. "Benefit Cost Analysis at the California Department of Transportation." Presentation at the Transportation Research Forum Annual Meeting, San Jose, CA, March 2014.</p> <p>Holian, Matthew. "Light, Heavy, or High-Speed? Evaluating Passenger Rail Investments in San Jose." Presentation at the David S. Saurman Provocative Lecture Series, San Jose, CA, November 18, 2014.</p> <p>Holian, Matthew. "Integrating Multimodal Data into Benefit-Cost Analysis for Transportation Planning Policy." Presentation at the Economics Department seminar at CSU Long Beach, Long Beach, CA, March 13, 2015.</p> <p>Holian, Matthew. "Transportation and a Vibrant Economy: Economic Assessment's Role in Transportation Investments and Economic Development." Presentation at the 2017 California Transportation Planning Conference, Walnut Creek, CA, May 3, 2017.</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): http://transweb.sjsu.edu/project/1203.html</p>