

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 – December 2016
Brief Description of Research Project	Federal, state and local governments allocate billions of dollars in transportation funds each year. Among the tools available to help decide which projects are the best investment is Benefit-Cost Analysis (BCA). Ideally, BCA takes into account all impacts of an investment, and provides a way of selecting investments that maximize social welfare. However, even the best BCAs only measure select impacts. This project will develop methods of better integrating highway and transit data into BCA, and will evaluate the extent to which the results of the analysis depend on data integration. BCA is used for both academic and practical purposes, and methods for data integration will be developed in both cases. In addition, an organizational analysis of state Departments of Transportation (DOTs) including Caltrans will be carried out. This study will also explore the multidivisional forms of state DOTs, and take inventory of planning tools used by various offices. This exploration of state DOTs will be embedded into the broader planning process and comment on the ways in which organizational and institutional constraints impede transportation investment planning.

<p>Describe Implementation of Research Outcomes (or why not implemented)</p>	<p>Research in progress.</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>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	

Web Links <ul style="list-style-type: none">• Reports• Project Website	Final report (MNTRC Website): Final report (TRB Website):