## UTC Project Information

<table>
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<th>Project Title</th>
<th>Integrating Multimodal Data into Benefit-Cost Analysis for Transportation Planning and Public Policy (Former title: Integrating Highway and Transit Data into Benefit-Cost Analysis)</th>
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</table>
| 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 – June 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.
| Describe Implementation of Research Outcomes (or why not implemented) | Research in progress.  
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<td>Impacts/Benefits of Implementation (actual, not anticipated)</td>
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| Web Links  
• Reports  
• Project Website | Final report (MNTRC Website):  
Final report (TRB Website): |