


<b>UTC Project Information</b>	
Project Title	Transit and Rail Security: A Critical Assessment of What Works
University	San José State University Mineta National Transit Research Consortium
Principal Investigator	Brian Michael Jenkins
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Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program (\$32,469)  California Department of Transportation Office of Research—MS42 (\$32,469)
Total Project Cost	\$64,938
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	June 2012 – December 2016
Brief Description of Research Project	It is difficult to assess the effectiveness of security against terrorism. Unlike ordinary crime, terrorist attacks are statistically rare events, although a successful terrorist attack can have enormous consequences. Strict cost-benefit analysis, therefore, is not easily applied. Yet we now have several decades of security experience documented in detailed case studies of terrorist attacks and campaigns—enough to discern trends, analyses of terrorist plots and failed attempts (including in some cases what terrorists themselves have said), and a detailed database recording thousands of terrorist attacks coded in detail—enough for statistical confidence. This empirical data can be analyzed to provide evidence-based insights into what works and how it works, directly and indirectly. Any assessment must be realistic. A preliminary review suggests that security measures may not prevent determined terrorists from carrying out attacks, but that they can complicate terrorist planning, increase the terrorists' operational difficulties, and sometimes deflect them from the most lucrative targets, thereby saving lives.

<p>Describe Implementation of Research Outcomes (or why not implemented)</p>	<p>Research in progress.</p> <p>Jenkins, Brian. "Transit and Passenger Rail Security: A Critical Assessment of What Works." Presentation at the Conference of Minority Transportation Officials Transit Executives, Jacksonville, FL, July 15, 2013.</p> <p>Jenkins, Brian. "How Safe is America Today?" Presentation at the California Commonwealth Club, San Francisco, CA, June, 2013.</p> <p>Jenkins, Brian. "Coping with Terrorism in Transportation: The Role of Human Factors." Presentation at the International Union of Railways Workshop, Paris, France, June 16, 2015.</p> <p>Jenkins, Brian. "Mass Transit and Passenger Rail Security." Presentation at the 2016 Security and Emergency Management Roundtable, Phoenix, AZ, June 17, 2016.</p>
<p>Place Any Photos Here</p>	 <p><a href="http://www.metro-magazine.com/images/articles/M-MET7Rail-LAMetro.jpg">http://www.metro-magazine.com/images/articles/M-MET7Rail-LAMetro.jpg</a></p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	

Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project Website</li></ul>	Final report (MNTRC Website):  Final report (TRB Website): <a href="https://trid.trb.org/view/2012/P/1318464">https://trid.trb.org/view/2012/P/1318464</a>