

UTC Project Information	
Project Title	Transportation Construction Work Zone Safety Impact on Time-related Incentive Contracting Projects
University	San José State University Mineta National Transit Research Consortium
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Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program (\$5,000)
Total Project Cost	\$5,000.00
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	August 2013 – December 2016
Brief Description of Research Project	<p>The Federal Highway Administration (FHWA) strives to improve work zone safety. At the same time, the FHWA endeavors to enhance our transportation system by continuously improving the early delivery of highway construction projects encouraging State Transportation Agencies (STAs) to implement time related incentive contracting for early completion of time-sensitive highway construction projects, including urban rehabilitation and reconstruction. In many states, including California, the STAs have successfully implemented incentive contracting methods. While there have been numerous studies published regarding time performance of the incentive contracting projects, as yet there has been no quantitative research effort made to measure the safety performance of expedited incentive construction projects. It is unknown whether or not a contractor's accelerated work schedule under incentive contracting has a positive or negative impact on work zone safety performance.</p> <p>This study will focus on investigating the statistical relationship between time related incentive road construction projects and the frequency of vehicle crashes in the State of California. Using statistical analyses, the researcher will compare the frequency and characteristics of crashes at incentive project sites with those at non-inventive project sites, as well as provide detailed insights into impacts on construction work zone safety of current project incentive contracting.</p>

	<p>In conclusion, the outcome of this research will provide a better understanding of the trends of crashes at construction work zones and their relationship to the current time-related incentive contracting system. Eventually, this study is trying to contribute to developing a framework of a safety-oriented incentive policy for the nation's highway system.</p>
Describe Implementation of Research Outcomes (or why not implemented)	Research in progress.
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	

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