

UTC Project Information	
Project Title	Relationships among Worker Gender, Communication Patterns, and Safety Performance in Work Zones
University	University of Washington
Principal Investigator	Jessica Kaminsky
PI Contact Information	jkaminsk@uw.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans \$36,461 University of Washington College of Engineering \$36,461
Total Project Cost	\$72,922
Agency ID or Contract Number	DTRT13-G-UTC40
Start and End Dates	January 15, 2015– September 16, 2016
Brief Description of Research Project	Safety communication, including safety training, is an important and cost effective tool for achieving excellent safety performance during construction (Hallowell 2010). However, recent work has identified that worker demographics has an impact on how safety knowledge is shared. Thus, the proposed research intends to study how worker gender impacts patterns of work crew safety communication on roadway construction in the Pacific Northwest. This project hypothesizes that work crews with both male and female members (or, gender diverse work crews) show different communication patterns and worse safety performance than crews without gender diversity and investigate this hypothesis by various methods in the project.

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<p>We published a paper on research results. As of June 2019, over 300 people have downloaded it and 6 other studies have cited it.</p>
<p>Impacts/Benefits of Implementation (actual, or anticipated)</p>	<p>Implementation benefits include improved safety communication on transportation construction sites. This will mean that female workers experience lower reportable incident rates and thereby supports the diversification of the industry.</p>
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project Website 	<p>https://ascelibrary.org/doi/full/10.1061/%28ASCE%29CO.1943-7862.0001344</p>