

UTC Project Information	
Project Title	Unmanned Aircraft System Assessments of Landslide Safety for Transportation Corridors
University	University of Alaska
Principal Investigator Co-Investigator	Keith Cunningham Michael Olsen (OSU), Joseph Wartman (UW)
PI Contact Information	Department of Civil and Environmental Engineering University of Alaska - Fairbanks Fairbanks AK 99775 Phone: (907) 474-6958 E-mail: kwcunningham@alaska.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	
Total Project Cost	\$179887.00
Agency ID or Contract Number	
Start and End Dates	Start: 01/15/2015 End: 06/15/2016
Brief Description of Research Project	The proposed research addresses Pacific Northwest Transportation Consortium (PACTRANS) research priority of using new data-driven technologies to improve the safety of transportation systems in the Northwest United States. Landslides pose significant threats to the safety of motorists throughout the mountainous terrain of the Pacific Northwest. The research will advance landslide safety assessment for transportation corridors by capitalizing on recent advances in unmanned aircraft systems (UAS) and new low-cost Structure from Motion (SfM) photogrammetry techniques. The resulting improved hazard assessment techniques will facilitate cost-effective evaluation of landslide safety across the broadly distributed transportation networks of the Pacific Northwest.

Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none">• Reports• Project Website	
Project Type (basic, applied, advanced, etc)	Applied