|  |  |
| --- | --- |
| **UTC Project Information** | |
| Project Title | Transportation Corridor Resiliency in the Face of a Changing Climate |
| University | University of Alaska |
| Principal Investigator | Keith Cunningham |
| PI Contact Information | kwcunningham@alaska.edu |
| Funding Source(s) and Amounts Provided (by each agency or organization) | University of Washington PacTrans $180,000  Alaska Aviation Proving Ground Inc. $60,000  Oregon Department of Transportation $60,000  University of Washington Department of Civil Engineering $60,000 |
| Total Project Cost | $360,000 |
| Agency ID or Contract Number | DTRT13-G-UTC40 |
| Start and End Dates | December 16, 2016 – January 31, 2018 |
| Brief Description of Research Project | Since 2012, we have been acquiring high-resolution lidar surveys of close to 20 rock-slopes in Alaska in support of Pactrans-supported studies of roadway safety. In this project, we will capitalize on this treasure trove of unique data to quantify how rock fall activity (magnitude-frequency of rock fall events) varies with changes in annual storm intensity from 2012 to 2016.  We will then use this information to in conjunction with a landslide activity forecasting procedure we developed to investigate how the resiliency of transportation corridor may change in the future. |
| Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here |  |
|  |  |
| Impacts/Benefits of Implementation (actual, or anticipated) |  |
| Web Links   * Reports * Project Website |  |