



Contract for Landslide Emergency Response Data Collection

Service Provider: Alaska Avalanche Information Center

Client: Haines Borough

Reference.

This MOU relates to geoscience data collection to be completed by the Service Provider (a federally recognized 501c3) for Client.

Motivation:

While the December emergency event has somewhat stabilized and EOC activities have decreased, we do not yet know the stability of the Beach Road area adjacent to the large landslide, and ongoing winter storm events continue to threaten public safety and peace of mind. In addition, the spring thaw will be a testing period for recent landslide areas which are at elevated risk of enlarging.

The purpose of this proposal is for the Service Provider to assist the Client in continuing its geotechnical monitoring program.

Duration:

This proposal is for a 14-week contract that will be in effect through the spring snowmelt period and until the Beach Road Geotechnical Study is complete (which is anticipated in early-mid Summer).

This Contract begins March 15th, 2021, and ends June 21st, 2021.

Ongoing Deliverables:

1. Monitor and document ground water pressures around Haines to continue the data record that was established during the December Weather Event
2. Monitor for regional earthquake activity and alert the EOC/Borough about seismic events of concern
3. Continue daily photo reconnaissance of the Beach road landslide to look for any changes
4. Monitor snowpack conditions in the new avalanche starting zones at the top of the Beach road landslide and alert the EOC/Borough when conditions are present for significant snow avalanches
5. Maintain and update the Haines Precipitation Tracker website as a community resource. This website helps residents know when rainfall amounts are normal, and when they are abnormal, in real time.
6. Monitor precipitation amounts, temperatures, and snowmelt and alert the EOC/Borough when periods of elevated danger exist for landslides



- 7. Continue ground surveys of the Beach road landslide to monitor for any ground movements, using professional surveyor. (Every two weeks.)
- 8. Host a community outreach forum to keep community members up to date on conditions, ongoing and future projects, and solicit feedback. This forum will also highlight general safety advice for landslides and risk management.

Cost:

The fee for this service shall be \$8,680, billable to the Client upon signing of this contract. The Service Provider is responsible for subcontracting with a professional surveyor to complete the ground survey work described in the previous section (Deliverable 7).

Program Budget:

Expense	Amount
Staffing (2 techs @ 5hr/week, 14 weeks)	\$11,200
Donated staff time	(\$5,600)
Administration	\$680
Liability Insurance	\$1,000
Subcontracted Surveyor Costs	\$1,400
Total	\$8,680

Signed:

AAIC Representative Service
Provider

3/12/21

(Date)

Haines Borough Authorized
Representative

3/12/21

(Date)