

Safehold Special Risks, Inc.  
Lift Survey Report



|                                |  |              |                   |
|--------------------------------|--|--------------|-------------------|
| Resort:                        | Eaglecrest   | Survey Date: | November 14, 2023 |
| Location:                      | Juneau (Douglas Island), Alaska  | Report Date: | November 16, 2023 |
| Accompanied by:<br>NAME/Title: | Greg Hudon-Director of Mountain Operations; Joel Hughes-Lift Maintenance Technician;<br>Steve Smugg-Lift Maintenance Manager; Justin Spurrier-Ski Patrol Manager                               |              |                   |
| Email:                         | Greg Hudson: <a href="mailto:Greg.Hudson@skieaglecrest.com">Greg.Hudson@skieaglecrest.com</a> Dave Scanlan: <a href="mailto:Dave.Scanlan@skieaglecrest.com">Dave.Scanlan@skieaglecrest.com</a> |              |                   |
| Cell Phone:                    | Greg 907 723-5650 Dave 907 360-7366  |              |                   |

A visual field survey of the above area was performed by: Tom Scully using the ANSI B77.1 2022 as a guide.

**ALL ITEMS BELOW REQUIRE CORRECTION PRIOR TO PUBLIC OPERATION UNLESS NOTED**

**RESPOND IN WRITING OF THE STATUS OF THESE NON-COMPLIANCE ITEMS BY: December 17, 2023**

| Item No  | ANSI B77 /<br>Other<br>Reference | Description  | Yes | No | Date<br>Completed | Initials |
|--|----------------------------------|--|-----|----|-------------------|----------|
| <b>All Lifts/General</b>                                 |                                  |  |     |    |                   |          |
|  | Safehold                         | Complete the "Items To be Completed" list which is attached as page 3 of this report.  |     |    |                   |          |
| 1.   | F.6.2.2                          | Confirm all lifts have ABC Dry Chemical Fire Extinguishers appropriately sized (20 lbs. Drive Terminals, 10lbs. lift shacks) which have been inspected and certified with current tags                       |     |    |                   |          |
| 2.   | Annex D,<br>Table D-1(e)         | Post loading seat height on all ramp height signs & confirm ramps match posted height during the season  |     |    |                   |          |
| <b>Hooter - (Riblet Fixed Grip Double Chairlift)</b>     |                                  |  |     |    |                   |          |
| 3.   | 4.1.3.1                          | Install tower numbers on all towers  |     |    |                   |          |
| 4.   | 4.2.3.3                          | Repair/replace counterweight limit switch wiring and confirm proper position to monitor travel & function  |     |    |                   |          |
| 5.   | 4.1.1.4                          | Trim trees and branches near LST#1 to provide 5' clearing envelope   |     |    |                   |          |
| 6.   | 4.3.3.1                          | Inspect drive bull wheel flange bolts & confirm torque   |     |    |                   |          |
| <b>Ptarmigan - (Riblet Fixed Grip Double Chairlift)</b>  |                                  |  |     |    |                   |          |
| 7.   | 4.1.1.5.2.2                      | Replace tower tip deflector on Tower 8 & 18  |     |    |                   |          |
| 8.   | 4.3.2.4.3                        | Confirm proper APU/EPU procedures, train, post in drive terminal.  |     |    |                   |          |
| 9.   | 4.1.1.4;<br>Safehold             | Inspect & treat possible hazard trees near HST# 5 (multiple dead tops and forked top)  |     |    |                   |          |
| 10.  | 4.3.4.4                          | Complete dynamic load test with emphasis on confirming carriage and counterweight freedom of movement, position of counterweight for the season and position and function of all tension monitoring switches |     |    |                   |          |
| 11.  | 4.3.3.1                          | Recommend planning on drive bull wheel liner replacement, haul rope shortening, counterweight raising (if not required now) (for summer 2024)  |     |    |                   |          |
| <b>Black Bear - (Riblet Fixed Grip Double Chairlift)</b> |                                  |  |     |    |                   |          |
| 12.  | 4.2.3.2                          | Re-install bottom station LS stop gate to prevent downloaded passengers from going past unload ramp  |     |    |                   |          |
| 13.  | 4.3.4.5                          | Test all brakes for proper holding torque, rate of   |     |    |                   |          |

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|---|----------------------------------|--|-----|----|-------------------|----------|
|   |                                  | deceleration (stopping distance and time) and line dynamics. Adjust as needed and document work  |     |    |                   |          |
| 14.   | 4.3.3.1                          | Inspect alignment LST# 10, adjust and change sheave liners as needed #1 Dep. & B.O. appear worn  |     |    |                   |          |
| 15.   | 4.2.3.3                          | Confirm tension travel limit switches are positioned properly to monitor overtravel. Test functions  |     |    |                   |          |
| 16.   | 4.3.3.1;<br>Safehold<br>Rec.     | Recommend considering building access platform and ladders for tension system adjustment and maintenance as well as improving ventilation in drive terminal during APU/EPU use and running |     |    |                   |          |
| <b>Porcupine – (Hall Fixed Grip Double Chairlift)</b> |                                  |  |     |    |                   |          |
| 17.   | 4.3.2.4.3;<br>4.3.3.1            | Make repairs to Wisconsin (EPU engine and test all functions while running lift in EPU mode (E. shutdown)  |     |    |                   |          |
| 18.   | 4.2.3.3                          | Repair carriage limit switch, confirm proper position and function   |     |    |                   |          |
| 19.   | 4.3.3.1                          | Test all brakes and confirm proper torque holding and deceleration rates (stopping distance and time)  |     |    |                   |          |
|   |                                  |  |     |    |                   |          |
|   |                                  |  |     |    |                   |          |
|   |                                  |  |     |    |                   |          |
|   |                                  |  |     |    |                   |          |

## **MANDATORY ITEMS TO BE COMPLETED PRIOR TO OPENING**

During the annual inspection, all of the following items may or may not be in place for the inspector to observe. It is understood that you remove many of these items when the lift is not being operated for public operation. **It is the responsibility of the owner to have all required items in place prior to operating each lift for public use. Please use this list as a checklist to assure that pre-season items have been completed.**

- X.1.1.5.1**     **Vertical clearances:** Install appropriate barriers where there is inadequate clearance under the lift line.
- X.1.1.9**       **Loading and unloading areas:** Properly prepare the snow surface at loading and unloading areas. Mark the "wait here", "load here" and "unload here" points.
- X.1.2.6**       **Brakes and rollback devices:** Torque test all brakes according to the approved torque test procedures. Brake testing shall be done monthly and documented during the operating season.
- X.1.2.10.2**   **Counterweights:** Install appropriate fencing around counterweights to prevent unauthorized persons from coming in contact with or passing under the counterweight.
- X.2.3.2**       **Provisions for automatic stop devices:** Where appropriate, properly install all removable stop gate wands and equipment.
- F.6.1;2,3**     **Fire Extinguishers:** Provide properly tagged and certified fire extinguishers that are correctly hung in all operator stations, attendant stations, and machine rooms, sized and appropriate type for the location.
- X.1.5**          **Provisions for operating personnel:** Supply operating instructions and emergency procedures in all operator and attendant stations. Make sure permanently installed communications are in place and operating properly.
- X.2.12.4**      **Emergency lighting:** For those lifts that operate at night, verify that the emergency lighting is properly installed and functional to permit unloading of the lift, emergency evacuation and operation of the evacuation drive.
- X.3.1.2**       **Signs:** Post all required as detailed in ANSI B-77.1-2022 Annex D.
- X.3.2.4.1**     **Control of passengers:** Install appropriate fencing and gates at the loading area for the marshaling of passengers.
- X.3.2.5.7**     **Evacuation:** Review your evacuation plan and update as necessary. Conduct and document training in Operation Log including estimated time to completely evacuate a fully loaded lift.
- X.3.3.1**       **Maintenance:** Complete and document all ropeway maintenance defined in the maintenance schedule.
- 7.1.2.7.1**     **Conveyor lift barrier:** Provisions shall be made to keep the public away from the returning belt and moving components other than the up-going belt. This may be accomplished by providing a barrier around the perimeter of the conveyor or other means including snow grading.
- 7.1.1.4.2**     **Conveyor Lift slope grading:** The slope grading from the outer edge of the decking to 5 feet shall not exceed 2 horizontal to 1 vertical. A fence or other structure may be used in lieu of slope grading.

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The following additions and/or changes to the uphill transportation equipment have been made since the last survey:

N/A

This periodic survey consisted of a visual and audible examination of structures and equipment in terminals or stations and such review of the towers, trackage, clearances, and conditions of clearings as was possible by riding or walking full length of each tramway.

No examination was made of such detail parts of the equipment as bolts, bearings, welds, axles, shafts, castings, rope grips, hangers, anchorages, etc., since such components must be examined periodically during the operations and maintenance program by the owner to ensure the safety of the public. While some aspects of your lifts, such as foundations and grounding may not be inspected in detail, evaluations contained in this report are based upon the general appearance of each transportation device and statements of operation and/or supervisory personnel. Also, no attempt was made to check the physical requirements of the various components from a design standpoint, as responsibility for the design belongs to the owner.

This is a report of the audio/visual field survey of your tramway/tow utilizing the ANSI B77.1-2022

While this report was made to provide information to insurance underwriters, you may provide copies to other organizations or agencies with which you are involved. If so provided, also provide such entities with copies of your responses to any items of non-conformance.

This survey is not intended to provide engineering information, advice or consultation to the ski area, beyond that required by the General Inspection provisions of the standard, as they have been interpreted by the ANSI B77 Committee.

## Notes or Comments:

N/A

## **Please send notification of compliance by Mail or E-Mail to:**

**Inspector & address:** Tom Scully  
PO Box 245  
Mt Hood Parkdale, OR 97041

**Safehold:** [tom.scully@safehold.com](mailto:tom.scully@safehold.com)  
[lc.response@safehold.com](mailto:lc.response@safehold.com)



Signature: \_\_\_\_\_

## **Report Emailed to:**

Client Name: [Dave.Scanlan@skieaglecrest.com](mailto:Dave.Scanlan@skieaglecrest.com)  
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