***Final Report***

**MOUNTAINEERS @ STAMPEDE PASS**

**% CHUCK WELTER, CHAIR of MEANY TOW COMMITTEE:**

**3209 Gay Road E.**

**Tacoma, Washington  98443**

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**PRE-OPERATIONAL SKI LIFT INSPECTION**

**AND REPORT**

**IN ACCORDANCE WITH**

**WASHINGTON STATE PARKS and RECREATION COMMISSION**

**PERSONAL SERVICES CONTRACT # AE 517-002**

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**Contact person for Washington State Parks & Recreation Commission**

"Nata Hurst." <nata.hurst@parks.wa.gov>

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**PERFORMED BY**

**HOWARD R. ANDERSON, P.E.**

**SPECIALIZED ENGINEERING & ILLUSRATION, PLLC**

**P. O. BOX 535**

**HAMILTON, MT. 59840**

**406.961.3523**

**INSPECTION DATE>>November 02, 2019**

**REPORT DATE>>November 03, 2019**

**19-20--PO-MTNEERS**

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**MOUNTAINEERS @ STAMPEDE PASS>>November of 2019:**

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**2.0 CERTIFICATION:   CONTRACT AE 709-003**

On the Dates listed in this report, I personally inspected the aforementioned Recreational

Devices as listed within this report in accordance with the Terms of Engagement between

WASHINGTON STATE PARKS AND RECREATION COMMISSION, and MYSELF,

Dated, June 29, 2015; and Certify that the recreational devices as listed within this report

Conform to applicable State Statues, Administrative Codes and ANSI B77.1-2017.

A CERTIFICATE TO OPERATE MUST BE OBTAINED BEFORE OPENING TO THE PUBLIC

THE CERTIFICATE MUST BE PLACED WHERE IT CAN BE SEEN BY THE PUBLIC.

THIS INSPECTION PERFORMED AND REPORT PREPARED AND SUBMITTED BY;

HOWARD R. ANDERSON, P.E

SPECIALIZED ENGINEERING& ILLUSTRATION, PLLC. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE:\_\_\_\_\_\_\_

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**3.0 PURPOSE OF THIS VISUAL INSPECTION:**

The purpose of this visual Inspection is to evaluate the condition of the Ski Lift Equipment at The Mountaineers Ski Lodge @ Stampede Pass for Operational Certification, in accordance with the current codes, The State of Washington Statues and Administrative Codes, The American National Standards Per ANSI B77.1-2017.

**4.0 LIFTS INSPECTED:**

All of the three (3) surface lifts, “Fiber Rope Tows” @ the Mountaineers Ski Lodge @ Stampede Pass were inspected on the dates as listed within this inspection report.

**5.0 CONDUCT OF THE INSPECTION:**

All Three (3) Surface Lifts, “fiber rope tows”, were under various modes of construction on this visit.

My focus was to review the incoming power supply to the main building that houses all the drive controls

For all three fiber rope tows, review the building for potential lift problems, review the logs and maintenance records.  And discuss future inspections, ANSI code changes and other items of this nature.

No inspections were made of welds, bearings, internal clearances, or other non visible items other than the audible means of detection that may indicate a situation.   No components were disassembled.

**6.0 PERSONS CONTACTED FOR THIS INSPECTION:**

Chuck Welter was contacted for the inspection by e-mail and arranged the Inspection.   Many others as always assisted with the inspection including Jim Fahey and his wife Julie who is now the Operations

Manager of the fiber rope tows were present as well as two electrical engineers.

**7.0 WEATHER DURING THIS INSPECTION:**

Weather during this inspection was clear skies, temps in the high 40’s, beautiful fall colors, and a day that you should be in the mountains.

**8.0 FINDINGS AND COMMENTS;**

Following is a list for each Fiber Rope Tow and the items noted for servicing and or corrections.

**INTERMEDIATE FIBER ROPE TOW:  *WORM TOW:***

1.\* A new wood driver sheave is being installed.  Not fully completed.

2.\* Rope twist will need to be checked when completed.

3.\* The service brake always needs cleaning on this tow.

4.\* check stopping distances when all done.

**SMALL FIBER ROPE TOW:  *TURTLE TOW:***

1.\* Tighten up the stop gate chain and remove the piece of wire.

2.\* Drive belt is loose.  Tighten a bit.

3.\* The main power disconnect at the drive cannot start the tow.  Just make certain that if the power\

       is turned on at the drive that the Normal Stop or E. Stop is engaged.

4.    Rope twist is OK.

**BIG FIBER ROPE TOW>>MACH TOW:**

**Mach Tow drive and operators for all three (3) tows comes from the building that houses the drive**

**For the Mach tow.**

1.\*  Rope was surging vertically in the lower areas when tow was stopped.  Need to monitor this item

       as the fiber rope should not hit an up going skier.

2.\*  Make certain counterweigh tis free.

3.    Rope twst was OK

4.    Stopping distances looked  OK

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**9.0 OTHER INSPECTION COMMENTS:**

The following general comments are noted that pertain to all lifts.

1.\*    Complete all annual required maintenance.

2.\*    Install all operational items before opening to the general public.

3.\*    Install all required signs before operation.  (*note that all new signs have been ordered as per ansi*

4.\*    Install all rope mazes and ramp control devices.

5.\*    Complete all operator training and certification.

6.\*    Obtain a copy of the 2017 new ANSI code, and review sign requirements.(*done)*

7\*    You may need to revise the daily operational log to get on the sign requirements.  One sheet    `for all three tows is no problem.  Just don’t clutter it.    . (*done and looks good)*

**10.0 LIFT IMPROVEMENTS SINCE THE LAST INSPECTION:**

Just a lot of heavy maintenance like new diver and driven sheaves and new control panels boxes.

Typical of the Mountaineers.

**11.0 INSPECTION REPORT COMPLETION REQUIREMENTS:**

All of the items marked with an   \* need to be completed before operation. To obtain your operating permit, Take a copy of this report, and on each item listed for each lift, write in the date the work was done and The person who did the work is to initial each item indicating that this person did the work.

Send a copy of this report to the State of Washington, and a copy to myself.  If I or the state have

Any questions I or they will give you a call.

After I review the report showing the work completed, I am to call the state and tell them to process with the operating certificates.

**12.0 THE INSPECTORS STATEMENT:**

Proper Lift Maintenance, Lift Operations, and Area Lift Inspections by the Owner of this Ski Area is the direct responsibility of the Ski Area.  [Ref Sec. 4.1.1.11.1] The visual inspection just completed was conducted using the knowledge and experience from years of Tramway Inspections and reviews, and is merely an additional set of eyes and ears to assist the owner of this Ski Area.

This Report is submitted by;

HOWARD R. ANDERSON, P.E.

SPECIALIZED ENGINEERING & ILLUSTRATION, PLLC.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE:\_\_\_\_\_\_\_\_

Report Distribution:    Mountaineers>>            One Copy (1) and an e-mail copy to Chuck

            State of Washington        Original in the mail and e-mail.

            File                One Copy.

***PS.   Have a good Snow WINTER – Stay safe.***

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