

STATE OF NEW HAMPSHIRE

Passenger Tramway Safety Board



Office: c/o N.H. State Fire Marshal's Office
110 Smokey Bear Blvd., Concord, NH
Mailing Address: 33 Hazen Drive, Concord, NH 03305
603-223-4289, FAX 603-223-4294

Table with 3 columns: Brian Heon, Mark Petrozzi, Robert. Subtext: Hoyt, Stanley Judge.

NEW HAMPSHIRE PASSENGER TRAMWAY SAFETY BOARD MEETING MINUTES 01/31/2020 (Draft)

Attendees:

Board Members: Mark Petrozzi, Chairman
Stan Judge
Bob Hoyt
Brian Heon

NH DOS: Briggs Lockwood Chief inspector
Scot Woolfenden Inspector
Nancy Ettelson Inspector

Industry: Josh Moreau Highlands Mtn Bike Park
Brian Norton Loon Mtn Resort
Steve Howell Loon Mtn Resort
Tom Sanford Doppelmayr, USA

AHJ Joe Gill US Forest Service

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The meeting was called to order by Chairman Petrozzi at 8:36 AM.

Chairman Petrozzi welcomed Brian Heon as the newest board member. In addition, Chairman Petrozzi commended Stan Judge who has served continuously on the Tramway board since 1959.

Agenda item #1:

The board reviewed the minutes of the previous meeting dated 12-20-2019

Motion made by Stan Judge: To accept the minutes as presented.

Second by Bob Hoyt.

Chairman Petrozzi would like to correct middle paragraph page 2 by Capitalizing governor and council. He would also like to change page 3 paragraph 3 under agenda item #3 to read "Brian Heon thought as we take monies, we should have a DUNS number".

Motion passed with the changes. Vote was unanimous.

Agenda item #2:

Briggs Lockwood ask the board if this item could be deferred until later in the agenda to see if any Whaleback personnel would attend. The board allowed the change in the agenda.

Agenda item #3:

Application for construction, modification, Highlands Mtn Bike Park, added capacity TRM 264 Borvig Triple Chairlift.

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Josh Moreau reviewed the application and document package presented to the board. He explained the modification was the addition of 40 chairs to the existing number bringing the total to 120 chairs. This would be 60 triple chairs and 60 bike carriers. The engineering for this modification was done by Stevens engineering.

Briggs Lockwood explained to the board the style of the chairs being added was different than those currently in use. Furthermore, this style of chairs has never been used in NH. Therefore, Stevens Engineering subjected the chairs to a stress analysis to confirm compliance with the ANSI B77.1 standard.

Chairman Petrozzi asked about loading interval with the additional chairs. Josh Moreau explained the loading interval would be shorter by about 5 seconds but this should not be a concern as the current loading time is much too long.

Stan Judge asked if there were any changes to the drive line. Josh Moreau explained the lift was originally designed for 120 chairs so the drive line did not need to be changed.

Motion made by Stan Judge: to approve the application for the modification of TRM 264.

Second by Brian Heon.
No further discussion.

Motion passed. Vote was unanimous.

Agenda item #4:

Application for construction, King Pine ski area, replacement drives for TRM 14, C-Tec Triple Chairlift and TRM 15, C-Tec Triple Chairlift (to replace Sabina drives).

Bob Hoyt explained that the Powder bear lift TRM 14 had a drive issue recently. As a result, they felt it wise to purchase new drives for TRM 14 and TRM 15 as a precaution against possible issues. There hope is that the current drives will last the winter and the new drives can be installed in the off season. They want to get the applications approved to expedite the process in the event of another drive issue this winter.

Briggs Lockwood recommended to the board that a conditional approval may be

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in order due to the fact that no design or engineering documents have been received.

Bob Hoyt informed the board that the drive documentation package would be available shortly (within a week or so).

Motion made by Brian Heon: To approve the application for modification of TRM 14, contingent upon receiving a stamped and signed design certificate, an acceptance test procedure and an updated dynamic test procedure.

Second by Stan Judge.
No further discussion.

Motion passed. Vote was unanimous.

Motion made by Brian Heon: To approve the application for modification of TRM 15, contingent upon receiving a stamped and signed design certificate, an acceptance test procedure and an updated dynamic test procedure.

Second by Stan Judge.
No further discussion.

Motion passed. Vote was unanimous.

The board chose to take up agenda item #2 at this time.

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Agenda item #2:

Application for construction, modification, Whaleback, new service brake on TRM 39 Poma Double Chairlift.

Briggs Lockwood explained to the board the situation on TRM 39. At a recent dynamic test, it was determined the service brake was in need of repair. Whaleback decided to replace the service brake with complete new unit. Stevens engineering provided the engineering for the new unit and Tim Pfister did the installation.

Motion made by Bob Hoyt: To approve the application for modification to TRM 39, contingent upon receiving an updated dynamic test procedure which incorporates the acceptance test procedures for the new brake unit.

Second by Stan Judge.
No further discussion.

Motion passed. Vote was unanimous.

Agenda item #5:

Consultation, new 8 passenger chairlift, direct drive, Loon Mtn.

Brian Norton provided the board with an overview of their new lift project an 8 passenger chairlift. The lift will be manufactured by Doppelmayr, USA and will replace the Kancamangus Quad. The bottom terminal will be moved slightly to accommodate the larger terminal and clearance to existing infrastructure.

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The lift will feature:

- A loading conveyor and loading platform.
- 90 Deg. Loading (winter use).
- Direct drive technology.
- Bottom drive/bottom tension.
- Automatic bubble/restraint bars
- Heated seats.
- Bike carriers for summer use.
- Diesel EVAC motor w/ring and pinion gear on Bullwheel.
- Fully automated parking garage.

Tom Sanford provided the board with an explanation on the direct drive technology and the bubble/restraint bar system.

Brian Norton provided the board with a profile of the new lift.

Brian Heon asked about how the chairs would handle disabled skiers. Brian Norton explained they had discussed this and had an individual with disabilities working with them to address these issues. They visited the 8 passenger chair at Big Sky and noted the modifications they have made to accommodate these skiers.

Briggs Lockwood brought up an issue with the braking system of the lift. All the brakes act on the same braking surface. ANSI B77.1 states that the service brake cannot act on the same surface as the emergency brake. There is a provision in the standard for exceptions and he felt this may be the way to address the situation.

The board thanked Loon Mtn for attending the meeting and the information provided.

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Agenda item #6:

MOU, USDA National Forest.

Chairman Petrozzi has been in contact with John Kamb from the US Forest Service and Mike Lane from NSAA. As a result of these discussions some small changes were made to the MOU. Chairman Petrozzi walked the board through the changes and is ready to provide these to the Forest Service for their review.

Motion made by Bob Hoyt: To accept the MOU with the changes made at the 1/31/20 board meeting and submit them to the US Forest Service for their review.

Second by Brian Heon.
No further discussion.

Motion passed. Vote was unanimous.

Agenda item #7:

Final approval proposed rules Pas 100-300.

Chairman Petrozzi signed the final version of Pas 100-300.

This is the culmination of 2 years of work to update Pas 100-300 rules and becomes effective upon filing. This makes ANSI.B77.1 2017 ver. as amended the tramway standard for the state of NH .

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Next meeting date was set for Thursday March 5th, 2020, at 10:00 am. Loon Mtn.

The board thanked Attitash Ski Resort for hosting the NH Tramway Board Meeting.

Motion made by Bob Hoyt: To adjourn the meeting.
Second by Brian Heon.
No further discussion.

Motion passed. Vote was unanimous.

Meeting was adjourned at 10:34 am.

Respectfully submitted,

Scot Woolfenden.

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