

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

Selden Hannah
Chairman
Term exp. 6/1/20

Mark Petrozzi
Member
Term exp. 6/20/17

Robert Hoyt
Member
Term exp. 6/20/18

Stanley Judge
Member
Term exp. 6/20/19

NEW HAMPSHIRE PASSENGER TRAMWAY SAFETY BOARD MEETING MINUTES 5/30/2018 (Final)

Attendees:

Board Members: Selden Hannah, Chairman
Bob Hoyt
Stan Judge

NH DOS: Nancy Ettelson
Scot Woolfenden
Briggs Lockwood

Industry: Doug Tofflemoyer Bretton Woods Resort
Alexa Bernotavicz Bretton Woods Resort
Andrew Noyes Loon Mtn Resort
Steve Howell Loon Mtn Resort
Brian Heon Wildcat/Attitash
John Ginter Wildcat Ski Resort
Ryan Schraum Ragged Mtn Resort
Tim Smith Waterville Valley Resort
Barry St Cyr Waterville Valley Resort
Tom Sanford Doppelmayr, USA
Ryan Brenenstuhl Doppelmayr, USA

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The meeting was called to order by Chairman Hannah at 9:07 am.

Agenda Item #1:

The board reviewed the minutes of the previous meeting dated 5-8-2018

Motion made by Stan Judge to accept the minutes

Second by Bob Hoyt.

No discussion.

Motion passed. Vote was unanimous.

Agenda Item #2:

Bretton Woods application for construction of a new gondola.

Tom Sanford provided the board with the application and documentation packages dated 5/28/18 and 5/25/18, respectively.

The board reviewed the information.

Chairman Hannah asked if all carriers need to be online prior to loading public. Tom Sanford replied, yes they do.

Briggs Lockwood asked if the design incorporated automatic activation of the rollback device in APU mode. Ryan Brenenstuhl indicated that it would as long as the PLC was active.

Briggs Lockwood inquired about wind speed detectors in the design. Tom Sanford explained there would be wind speed instrumentation on the lift line to slow and/or stop the lift at predetermined speeds. Ryan Brenenstuhl further explained that the settings would be adjustable by the owner to allow for local variation and customization.

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Chairman Hannah asked what "basic tension force" is, as used in the calculations. Tom Sanford will get an explanation.

Chairman Hannah inquired about partial loading calculations and how this would affect tension? This situation does not appear to be spelled out in the calculations. Tom Sanford will have the engineer expand on the calculations to include partial loading situations. Chairman Hannah stated that these calculations should be for both uphill and downhill partial loading cases.

Chairman Hannah asked if the calculations for loading and tension were for 36 carriers or 62 carriers. Tom Sanford indicated that the 62 carrier condition was represented in the calculations. Because the initial operation will be with 36 carriers the calculations for both conditions need to be represented in the document package. Tom Sanford will work on getting these calculations.

Stan Judge asked how they prove torque on the standby engine. He is concerned that over time components could degrade and torque may not be adequate to prevent the lift from rolling back. Without a high speed rollback in place this could become an issue. Ryan Brenenstuhl explained that despite the lack of a high speed rollback the lift will have rollback detection that will activate the rollback brake.

Briggs Lockwood asked about evacuation plans?

Alexa Bernotavicz gave a brief description of tentative plans for evacuation. They still need to see an actual cabin to determine the best method to use. At this time final plans are still in development.

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Stan Judge questioned the terminology used in the application for secondary and tertiary power units. These seem to be confusing as to what the units are actually used for (ex: standby, APU or EVAC). Tom Sanford will try to better explain the use of each power unit in the documentation.

Chairman Hannah asked what Bretton Woods was looking for from the board. Tom Sanford stated they were looking for approval of concrete only.

Motion made by Bob Hoyt to approve the application for construction of concrete only.

Second by Stan Judge

No further discussion

Motion passed. Vote was unanimous.

Tom Sanford explained that Doppelmayer will also be undertaking the shortening of Fabyans Triple TRM 210. The application and calculations for this project will be forthcoming. The board took no action on this project at this time.

Agenda item #3:

Highland Mtn bike park: Application for construction, modification-replacement of high speed rollback device.

Briggs Lockwood presented the application for the high speed rollback for Highland Mtn bike park. He explained they were retro fitting a new rollback due to the unreliability of the existing unit. At this time an engineer had not reviewed the project.

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Chairman Hannah asked if the old rollback would be removed and if not, would it interfere with the operation of the gearbox. This situation should be addressed by the engineer.

Motion made by Stan Judge to approve application for construction of the modification to the high speed rollback on TRM 264. This approval is contingent upon receipt of a stamped design certificate and a drawing /schematic of the rollback changes.

Second by Bob Hoyt

No further discussion

Motion passed. Vote was unanimous.

Agenda item #4:

Loon Mtn: Request for exception regarding operation of rollback device while in evacuation mode.

Steve Howell showed the board a video of their EVAC procedures concerning the operation of the rollback device. This is an operational solution not an automatic solution.

Chairman Hannah stated that the standard calls for the automatic application of the rollback device. He asked if they had consulted Doppelmayr for a solution and/or cost estimate. It would be hard to consider a variance without knowing what is actually involved.

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Stan Judge feels the operation of the EVAC is a standard operation mode. He concurs with Chairman Hannah that the rollback device should apply automatically and not manually. He would like to see the designer/manufacturer respond to this issue.

Tom Sanford stated that he will have Doppelmayr look into the cost and work involved to solve this issue and report back to the board.

Chairman Hannah informed all that the board has asked the ANSI standards committee to provide an interpretation on this issue. The board is waiting for a response at this time.

No action was taken on this request by the board.

Agenda item #5:

Administrative rules:

Chairman Hannah handed out a list of changes that he prepared for the boards review. The changes were discussed and approved with one minor change. These changes will be incorporated in the master copy of the rules and be available at the next meeting.

Next meeting date was tentatively set for June 21st at 110 Smokey bear Blvd, Concord at 9:00 am.

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The board would like to thank Bretton Woods Resort for hosting the Tramway board meeting and provide refreshments for all in attendance. Thank you.

Motion made by Bob Hoyt to adjourn the meeting.
Second by Stan Judge.
No discussion
Motion passed. Vote was unanimous.

Meeting was adjourned at 12:02 pm

Respectfully submitted.

Scot Woolfenden