

# 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

Mark Petrozzi  
Member

Robert Hoyt  
Member

Stanley Judge  
Member

## **11-30-2016 NEW HAMPSHIRE PASSENGER TRAMWAY SAFETY BOARD MEETING MINUTES {DRAFT}**

### Members Present:

Selden Hanna  
Bob Hoyt  
Stanley Judge

### NH DOS:

Nancy Ettelson  
Scott Woolfenden  
Briggs Lockwood

### Industry:

Skytrans  
Rich Combs  
John Pendelton  
Carl Beverly

Waterville Valley  
Ryan Frost

Whaleback  
Gerd Reiss

National Forest Service  
Chris Hanrahan

Selden called the meeting to order at 9:05.

The Board reviewed the minutes from the 10-12-2016 meeting.

Motion to accept the minutes: Stan Judge. Second: Bob Hoyt.

Approved unanimously.

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The Board reviewed the submittals from Waterville Valley for the Green Peaks Triple. Rich Combs was present to provide explanations.

Selden asked about some of the mechanical details that are listed as 'existing' on the application.

Selden asked about bullwheel retention. Rich Combs explained that there is no bullwheel retention on the return terminal; Skytrans is in the process of designing and installing this feature.

Rich listed the outstanding items on application.

- Bullwheel Retention, Return Terminal
- Mechanical Equipment Details
- Chair and Grip Details

Selden asked what is the purpose of these submittals; there does not appear to be enough information for the Board to take any action. Selden asked about the operating/maintenance manual. Rich explained that they have the manual and will review it to see if it needs any updates.

Selden suggested that there will need to be another meeting of the Tramway Board to get the application approved, with the absence of the details.

Stan pointed out that the B.77.1 standard provides for Quality Assurance in section 1.5, and it applies to re-used components as well as new.

Nancy asked if there was any NDT conducted over and above the normal items, such as grips and chairs. Rich explained that all structural components were carefully visually examined. Chris Hanrahan asked if the bullwheels had been examined according to the recent Doppelmayer bulletin. Rich said that they were done visually. Rich indicated that they will be done with mag particle or with dye penetrant before operation.

There was some more discussion; there was no action taken at this time.

The Board reviewed the application from Whaleback for their T-Bar. Rich Combs and Gerd Reiss presented the information.

Selden reviewed the submittals and indicated that they are incomplete and it does not appear that the Board can take any action on the information submitted.

There was some more discussion; there was no action taken at this time.

Briggs filled the Board in on the situation at Tenney. The lifts were prepared for use last fall, but were not used; they were registered, however.

Stan indicated that it would be helpful to have a history of the recent use/non-use periods.

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Nobody from Tenney Mountain was present at this time; no action taken at this time.

Chris Hanrahan updated the Board on bullwheel inspections that were conducted in Vermont. 168 of 179 bullwheels that are affected by the directive from Doppelmayr have been inspected with methods beyond visual. Eight bullwheels were found to have some cracks; one Stadeli bullwheel had significant cracking.

There was more discussion. No action taken.

The Board set the date for the next meeting for Wednesday, December 21, 2016, at 9:00 AM here at the Division of Fire Safety.

Motion to adjourn at 10:00: Bob Hoyt  
Second: Stan Judge  
Approved unanimously.

At approximately 10:40, the Board re-convened to meet with Michael Bouchard from Tenney Mountain.

Michael introduced himself, and explained his situation in regard to the status of some maintenance items on the chairlifts at Tenney. In preparation for last winter, 100% of the chairs and grips on the Stadeli double and the Borvig/Poma triple were subject to magnetic particle examination. One grip on the double had an indication, and it was replaced.

Michael then requested a waiver from the 20% sample inspection for this season; also, he requested a waiver from the requirement to conduct Electro-Magnetic Wire Rope Testing on the double chairlift, TRM 104, as the lift has not operated since it was last tested.

There was some discussion. Michael indicated that he will make sure that the other annual maintenance will be done according to the manufacturer's instructions, such as re-locating chairs, lubricating the haul rope, and doing line work and lubrication.

There was some discussion about terminal foundations. Briggs explained that all chairlifts in New Hampshire have had their terminal foundation plans reviewed, and if a terminal is found to be pinned to rock as part of its design, this connection will be verified. The situation at Tenney Mountain is that these terminal designs will need to be assessed. The top terminal of the double chairlift appears to be pinned, and will need to be reviewed by the design engineer; the Borvig/Poma triple will need to be reviewed also, though the State does not have any drawings for that terminal.

There was some more discussion.

Motion to waive the requirement for NDT for chairs and grips for one season; also,

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to waive the requirement for Electro-Magnetic Wire Rope Testing for the haul rope on the double chairlift, TRM 104, conditional upon the consent of the qualified visual wire rope inspector's recommendation: Bob Hoyt.

Second: Stan Judge.

Scott Woolfenden indicated that Doppelmayr's instructions are to not exceed a five-year interval on any grip or chair inspection.

Stan indicated that this is similar to what was done for Black Mountain, and has been done over the years following poor snow winters in general.

Approved unanimously.

Motion to adjourn at 11:00: Bob Hoyt.

Second: Stan Judge.

Approved unanimously.

The next meeting is scheduled for Wednesday, December 21, 2016, at the Division of Fire Safety at 110 Smokey Bear Boulevard in Concord, at 9:00 AM.