

File No.: 04-1000-20-2023-724

March 18, 2024

s.22(1)

Dear s.22(1)

Re: **Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")**

I am responding to your request of November 21, 2023 under the ***Freedom of Information and Protection of Privacy Act*** for:

**Record of correspondence between the Vancouver Board of Parks and Recreation and Technical Safety B.C. regarding the Stanley Park Train. Date range: September 1, 2023 to November 20, 2023.**

All responsive records are attached. Some information in the records has been severed (blacked out) under s.15(1)(l) of the Act. You can read or download this section here: [http://www.bclaws.ca/EPLibraries/bclaws\\_new/document/ID/freeside/96165\\_00](http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/96165_00).

Under section 52 of the Act, and within 30 business days of receipt of this letter, you may ask the Information & Privacy Commissioner to review any matter related to the City's response to your FOI request by writing to: Office of the Information & Privacy Commissioner, [info@oipc.bc.ca](mailto:info@oipc.bc.ca) or by phoning 250-387-5629.

If you request a review, please provide the Commissioner's office with: 1) the request number (#04-1000-20-2023-724); 2) a copy of this letter; 3) a copy of your original request; and 4) detailed reasons why you are seeking the review.

Yours truly,

*[Signed by Cobi Falconer]*

**Cobi Falconer, MAS, MLIS, CIPP/C**  
**Director, Access to Information & Privacy**  
[cobi.falconer@vancouver.ca](mailto:cobi.falconer@vancouver.ca)  
453 W. 12th Avenue Vancouver BC V5Y 1V4

If you have any questions, please email us at [foi@vancouver.ca](mailto:foi@vancouver.ca) and we will respond to you as soon as possible. Alternatively, you can call the FOI Case Manager at 604-871-6584.

Encl. (Response Package)

:ma

**From:** [Dave Lywak](#)  
**To:** [Yip, Rosemary](#)  
**Subject:** Follow up to site meeting Oct.30.23  
**Date:** Tuesday, October 31, 2023 9:51:26 AM  
**Attachments:** [Stanley park train site visit oct.30.23.docx](#)

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Hi Rosemary,

Please see attached list from yesterday's site meeting in regards issues that need to be addressed.

Please let me know if you need. Any clarification or have any other questions.

Best,

Regards,

**Dave Lywak** | Safety Officer, Elevating Devices, Passenger Ropeways & Amusement Devices

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## Technical safety BC

Stanley Park Train site visit Oct.30.2023

With Hedgehog Technologies INC.

List of track deficiency observed during on-site meeting.

1. Repair/ ensure track gauge tool is operational to ensure that monthly track gauge check can be completed as per manufactures requirements.
2. Inspected/ ensure that track ballast meets manufactures minimum requirements.
3. Check / verify that track gauge meets manufacturers operating parameters. Multiple areas identified to gauge issues at time of assessment. Second corner from loading platform. All three track switches.
4. Ensure that all track switch weld repairs, have corrosion protection to prevent cracking and fatigue.
5. Ensure that Fleet services inspected and check all hardware and fasteners that were involved in train major component overhaul. As well all major components on the carriages.
6. Ensure that all track rail joints meet manufacture min and maximum operating tolerances.

Please ensure that the following have be checked and repaired as required prior to the final inspection on November.27.2023.

From: "Yip, Rosemary" <rosemary.yip@vancouver.ca>  
To: "Dave Lywak" <Dave.Lywak@technicalsafteybc.ca>  
CC: "Derek Puzzuoli" <derek.puzzuoli@hedgehogtech.com>  
"Brodie, John" <John.Brodie@vancouver.ca>  
Date: 10/20/2023 8:36:00 AM  
Subject: FW: Stanley Park Miniature Railway - Final Inspection Report  
Attachments: DPHN0217.JPG  
dcr\_1-spmr\_20231018\_sealed.pdf

Hi Dave,

Forwarding the documentation from the consultant re: trestle repairs.  
Thanks very much.

**Rosemary Yip**  
Train Operations Team Lead  
Vancouver Park Board | City of Vancouver  
[rosemary.yip@vancouver.ca](mailto:rosemary.yip@vancouver.ca)  
Tel: 604-257-8465  
Cel: **s.15(1)(l)**  
Pronouns: she/her

*I acknowledge that we are on the unceded territories of the Coast Salish Nation, the x<sup>w</sup>məθk<sup>w</sup>əyəm (Musqueam),  
skwxwú7mesh (Squamish) and səlilwətaʔ (Tsleil-Waututh)*

From: Tse, Jean <Jean.Tse@vancouver.ca>  
Sent: Thursday, October 19, 2023 2:35 PM  
To: Yip, Rosemary <rosemary.yip@vancouver.ca>  
Cc: Seeton, Andrew <Andrew.Seeton@vancouver.ca>; Moys, Krista <Krista.Moys@vancouver.ca>;  
Falkenhagen, Warren <Warren.Falkenhagen@vancouver.ca>  
Subject: FW: Stanley Park Miniature Railway - Final Inspection Report

Hi Rosemary,

Here's the sealed engineering inspection report confirming the repairs were completed, and both structures are capable of supporting the miniature train. When AE first talked to me they said there are no deficiencies, but it turns out there is one small deficiency relating to missing wood screws for one of the bearing plates. Krista just sent me photos that these wood screws are installed now, see attached.

Cheers,  
**Jean Tse, P.Eng.** (her/she)  
Project Engineer | Park Development  
Vancouver Park Board | 2099 Beach Avenue

t 604.654.0782 s.15(1)(l)

**From:** Jaime Yanez Rojas <[yanezrojasj@ae.ca](mailto:yanezrojasj@ae.ca)>  
**Sent:** Thursday, October 19, 2023 11:56 AM  
**To:** Tse, Jean <[Jean.Tse@vancouver.ca](mailto:Jean.Tse@vancouver.ca)>  
**Cc:** Julien Henley <[henleyj@ae.ca](mailto:henleyj@ae.ca)>  
**Subject:** Stanley Park Miniature Railway - Final Report

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Hi Jean,

As discussed on Tuesday, please see attached our field inspection report.  
Let me know if you have any questions.  
Thank you,

**Jaime Yanez Rojas, M.A.Sc., P.E., E.I.T.**  
Structural Engineer  
Associated Engineering (B.C.) Ltd.  
#500 - 2889 East 12th Avenue, Vancouver, BC V5M 4T5  
Tel: 604.293.1411 | Dir: 236.317.2355





# DAILY CONSTRUCTION REPORT

<b>Owner:</b>	Vancouver Board of Parks and Recreation	<b>Report No.:</b>	1
<b>Project:</b>	Stanley Park Miniature Railway Assessment	<b>Page:</b>	1 of 5
<b>Location:</b>	Stanley Park, Vancouver	<b>Project No.:</b>	2022-2536
<b>Contractor:</b>		<b>File No.:</b>	2022-2536-100
<b>Contract:</b>		<b>Date:</b>	Oct 16, 2023
<b>Contract No.:</b>		<b>Temperature:</b>	High: 16      Low: 8
<b>Weather:</b>	Rainy		

**Report:**

Julien Henley (AE), Jaime Yanez Rojas (AE), Krista Moyls (City of Vancouver), and Warren Falkenhagen (City of Vancouver) were on site from 12:00 pm – 1:00 pm.

**Activity:**

- The project team conducted a walkthrough on site and identified the following items:
  - 1) Timber screws are missing in the bearing plate at pier bent No. 9 (see photograph 2)



Photograph 1: Bay 10 stringer sistering (B-45).



Photograph 2: Stringer sistering at pier bent No. 9 (B-45).



Photograph 3: Bay 9 stringer sistering and bearing plate (B-45).



Photograph 4: Southeast column on concrete footing (B-46).



Photograph 5: Northwest column on concrete footing (B-46).



Photograph 6: Columns connection plates, looking northeast (B-46).



Based on the inspection, the work has been completed in accordance with the sketches, except for bridge B-46 where the timber cap was not installed. Notwithstanding this change, both structures are capable of supporting the miniature train. We have attached the repair sketches for reference.

Respectfully submitted,

Associated Engineering (B.C.) Ltd.  
Engineers & Geoscientists BC Permit Number 1000163

Prepared by:



Jaime Yanez Rojas, P.E., E.I.T.  
Project Engineer

Reviewed by:

Julien Henley, P.Eng.  
Senior Engineer

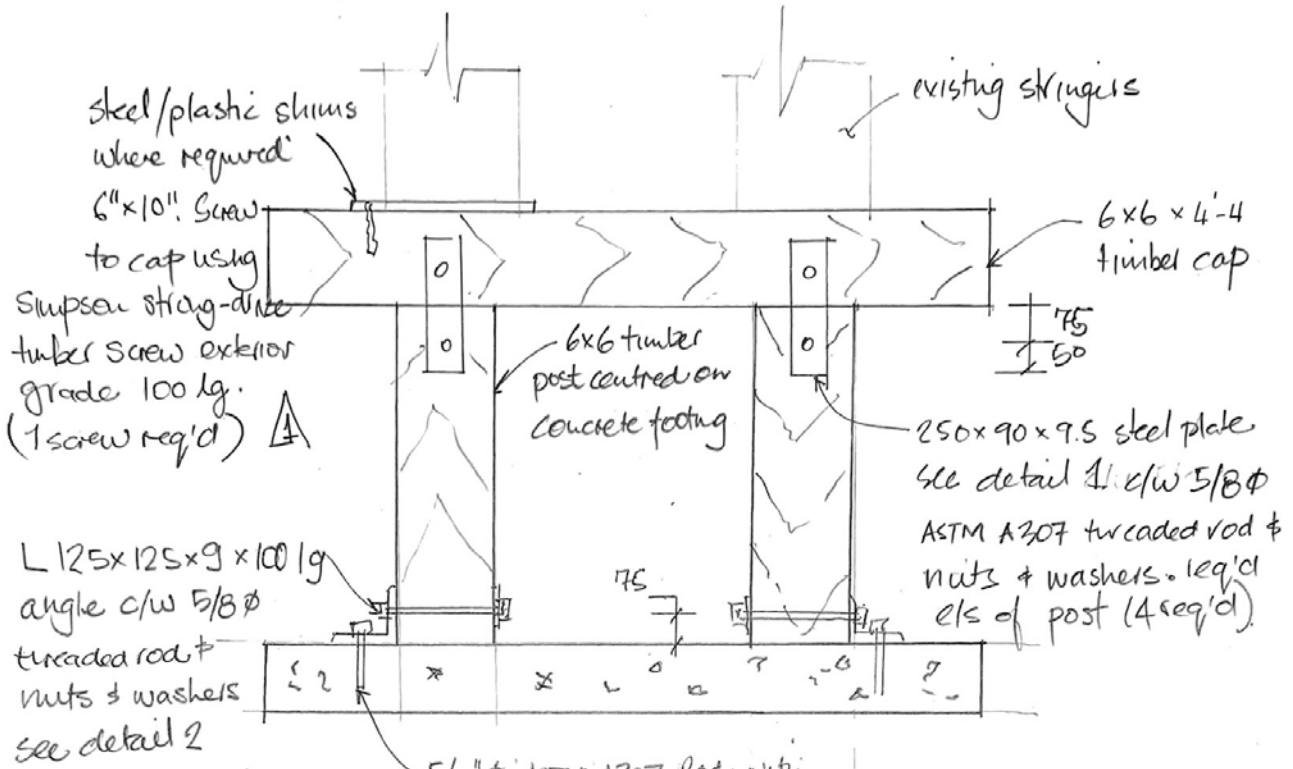
**Attachments:**

- B-45 & B-46 Repair Sketches

Notes:

- 1.) Timber to be DFin Not or better ACQ treated
- 2.) All connection bolts and rods to be ASTM A307 grade B and hot dip galvanized.
- 3.) Bolt holes shall be bored with an auger to max 3.0mm oversize.
- 4.) Provide malleable iron (timber) washers where connections are bearing on timber.
- 5.) Timber screws shall be Simpson strong-drive SDWS timber screw exterior grade A.
- 6.) Field cutting & field treating:
  - Field treat all field cuts, notches and holes with three coats of copper naphthenate containing a minimum 2% copper metal.
  - cut ends of timber to be treated with U-C coatings corporation anchor seal after treating with copper naphthenate.
- 7.) All steel plates and sections to be CSA G40.21 300W hot dip galvanized to ASTM A123.

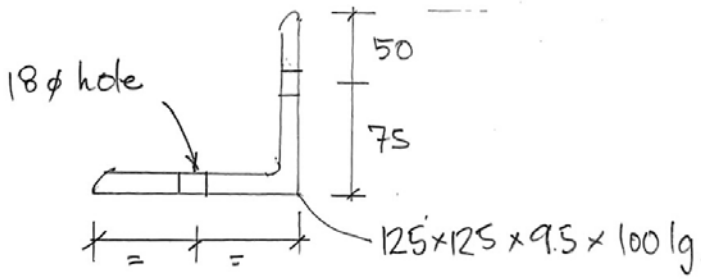
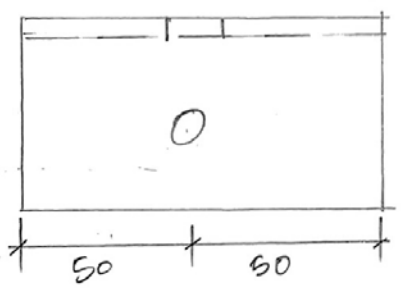
# B-46 Miniature Railway Bridge (sheet 1)



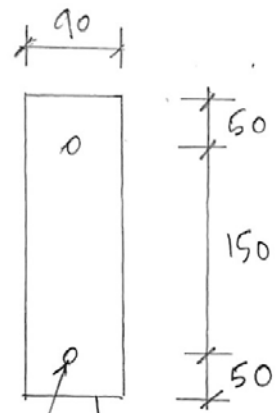
use timber washers where bearing against wood.

5/8"  $\phi$  ASTM A307 Rod with Hilti HIT HY200 R-V3  $\Delta$  installed in accordance with manufacturers specifications embed 100 mm. Anchor rods c/w nuts & washers  $\Delta$

TIMBER CAP OMITTED, TIMBER POST EXTENDED TO UNDERSIDE OF STRINGERS



Detail 2 - clip angle

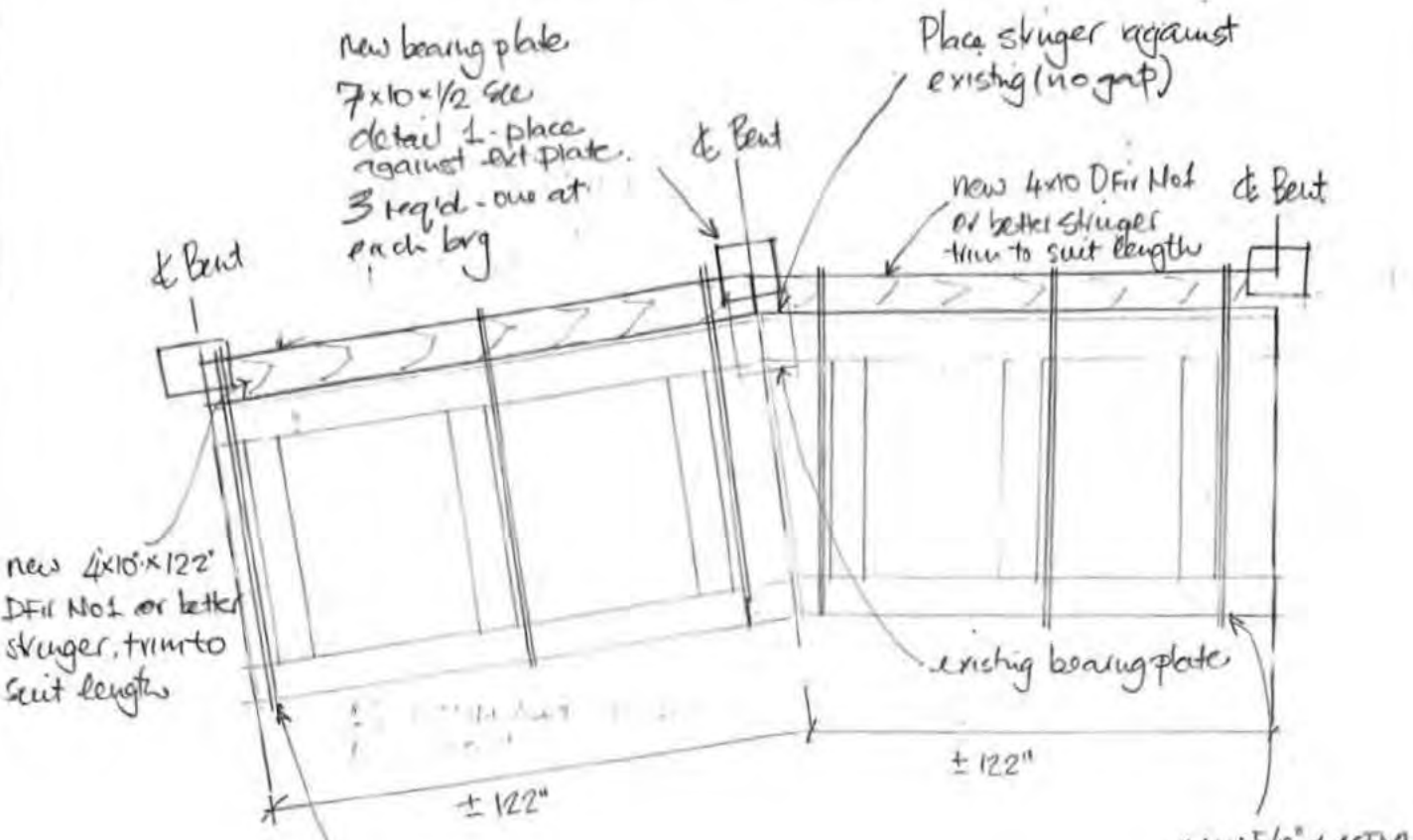


18  $\phi$  hole typ. on  $\pm$

Pl 250x90x9.5

Detail 1 - Connection Pl.

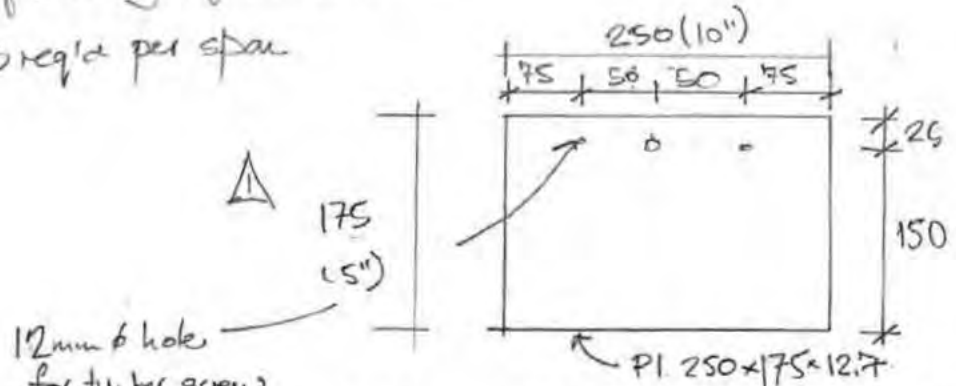
# B-45 Miniature Railway Trestle



New 5/8" d ASTM A307 threaded rods c/w timber washers and nuts (cut length 32"). For installation can use existing washers, location can match existing with new hole opened in sistered stringer or can be relocated to opposite side of blocking if easier to install.

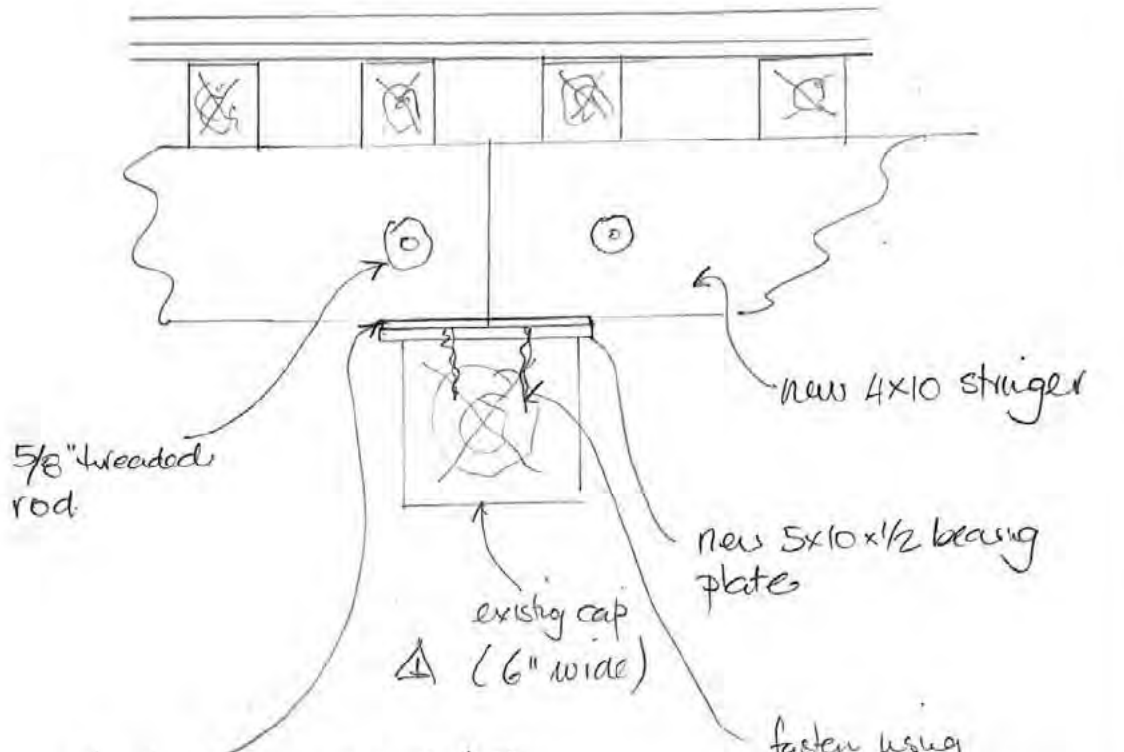
3 req'd per span

△ c/w malleable iron washers - same as existing



12mm hole for timber screw to hold down plate

# B-45 Miniature Railway Trestle (sheet 2)



shim stringer @ each cap.  
using steel or plastic shims to  
ensure top of stringer bears  
against all ties in the span.  
shims to be 7x10" (175x250).  
secure in place using approved  
epoxy or screws. holes for  
screws to match Detail 1  
Bearing Plate

fasten using  
Simpson strong-drive  
SDWS timber screw  
external grade, 100lg.



**From:** [Dave Lywak](#)  
**To:** [Yip, Rosemary](#)  
**Cc:** [Moyls, Krista](#); [Derek Puzzuoli](#)  
**Subject:** Re: #EXTERNAL# RE: minimum test driving hours for certification  
**Date:** Friday, November 3, 2023 3:06:34 PM

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Hi Rosemary,

Yes this correct.

Best

Regards.

**Dave Lywak** | Safety Officer, Elevating Devices, Passenger Ropeways & Amusments Devices

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On Nov 3, 2023, at 13:41, Yip, Rosemary <[rosemary.yip@vancouver.ca](mailto:rosemary.yip@vancouver.ca)> wrote:

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<!--[endif]-->

Hi Dave,

So my understanding is that however many carriages we have at the time of the final inspection, if FMS has gone over every inch of the units to ensure that components are torqued and compliant with the manufacturer's standards and HH has signed off on those units, we will be able to put them into service that week.

And whatever carriages do come online after that, the same conditions need to be in place prior to your inspection.

And we will track all driving hours for the units individually so we can make sure that they receive the 40 hour and 80 hour checks when we attain those thresholds.

Well, I hope we can get all of them back here before November 27, so we don't have to call you back for a third inspection.

Thanks very much.

### **Rosemary Yip**

**Train Operations Team Lead**

**Vancouver Park Board | City of Vancouver**

**rosemary.yip@vancouver.ca**

Tel: 604-257-8465

Cel: **s.15(1)(l)**

Pronouns: she/her

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**From:** Dave Lywak <Dave.Lywak@technicalsaftybc.ca>

**Sent:** Friday, November 03, 2023 11:51 AM

**To:** Yip, Rosemary <rosemary.yip@vancouver.ca>

**Cc:** Moyls, Krista <Krista.Moyls@vancouver.ca>; Derek Puzzuoli <derek.puzzuoli@hedgehogtech.com>

**Subject:** RE: minimum test driving hours for certification

Hi Rosemary,

Please see below for responses to your Questions.

Please let me know if you have any further questions or require clarification.

Dave Lywak | Safety Officer, Elevating Devices, Passenger Ropeways & Amusement Devices

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ta?/Selilwitulh Nations

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**From:** Yip, Rosemary <[rosemary.yip@vancouver.ca](mailto:rosemary.yip@vancouver.ca)>

**Sent:** Friday, November 3, 2023 9:03 AM

**To:** Dave Lywak <[Dave.Lywak@technicalsaftybc.ca](mailto:Dave.Lywak@technicalsaftybc.ca)>

**Cc:** Moyls, Krista <[Krista.Moyls@vancouver.ca](mailto:Krista.Moyls@vancouver.ca)>; Derek Puzzuoli <[derek.puzzuoli@hedgehogtech.com](mailto:derek.puzzuoli@hedgehogtech.com)>

**Subject:** #EXTERNAL# minimum test driving hours for certification

**Importance:** High

Hi Dave,

Just looking for some clarity around the testing piece. I have a few questions for you about test-driving hours and what is the requirement to have carriages re-approved to operate...

Joe from A&B has informed me that the track work is probably not going to be completed until November 17.

We will be hard pressed to get sufficient driving hours on the equipment.

If we can find the staffing, we may get 40 hours before November 27 on the loco and whatever carriages we have when the track is done, but we are going to have to

scramble to do that. We're down some workers and trying to get hours in while doing the light setup is very challenging.

In regards to hours of running if you can get any where from 16-40 hours on the equipment then have Fleet go over with a fine tooth comb to ensure all major components torqued and in proper operating conditions to meet manufacture minimum operating requires.

Is there a minimum requirement for you to approve the units for use?

No we will approved as many unit that you have on site at the time however once units start coming online we will need to re inspected before public operations.

On Monday, I heard that we should have mechanics recheck at 40 hours and then again at 80 hours. Are you needing this to happen before you give us an OK to operate?

we can have them check the unit at these hour even if units are being used for public operation they should be checked over at theses hours to ensure no issues are arising.

If less than 40 hours before public operation just have fleet go over before T.S.B.C inspection and have it documented.

And does the requirement apply to carriages as well as the locomotive?

yes they do.

We are hoping to get two more carriages back in-house the last week of November, but maybe not by the 27<sup>th</sup>.

What would be your decision around putting those carriages into service right away knowing that Hedgehog will provide a stamped report for those units?

Thanks,  
Rosemary

**Rosemary Yip**  
**Train Operations Team Lead**  
**Vancouver Park Board | City of Vancouver**  
[rosemary.yip@vancouver.ca](mailto:rosemary.yip@vancouver.ca)

Tel: 604-257-8465

Cel: s.15(1)(l)

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