

CK-2559
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MOUNT THURSTON 0km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°4'34.5" Longitude -121°44'47.2"

Site Status Active

Insp. Status Inspect

Crossing Name Pedestrian Bridge

FSR # 5127 Branch # 23

Road Name MOUNT THURSTON

User km 0

Previous Load Rating (tonnes) 28

Structure Class Temporary Bridge

Portable N

Superstructure Steel I-beam

Deck Type Timber - Untreated

Abutment Left Sill -Temporary Materials

Abutment Right Sill -Temporary Materials

Spans 1

Total Length (m) 9.4

Deck Width (m) 3.8

Updated Data

Latitude 49°4'33.98" Longitude -121°44'47.1"

HD Diff. (m) 16.3 Accuracy (m) 10

28 tonnes - 3 axle vehicle
25 tonnes tracked machine

Inspection

Date of Inspection 2022-04-12 1:47:37 PM

Recommended Next Inspection 2024

Inspector Name Tyson Miller

Inspection Company MoF

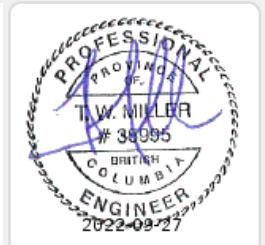
Inspector Comments

Evidence that water levels approached under side of girder elevation - likely in the November 2021 storm event

P.Eng Comments

The current load rating of 28 tonnes based on a 3 axle vehicle or 25 tonnes for tracked equipment to continue. Post load rating signs and add log fenders to all 4 corners of the bridge, minimum 6m length x 600mm diameter.

The stream appears to be a side channel of the Chilliwack River, without a formal analysis considering hydrology or peak flows - the peak flow will be largely influenced by water levels in the Chilliwack River.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor

None

Posted Load Rating

Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills Good

Single log sills

Piles or Posts

Ballast Wall Good

Timbers right bank, log left bank

Wing Wall

Bracing

Hardware Good

Fill Good

Riprap Fair

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks

Good

Sub Deck

Good

Treated

Ties

Good

Treated

Nails

Good

Deck to Girder Bolts

Good

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts

Good

Hand Rails/Walkouts

Hardware

Good

Overall Deck Condition

Good

Gravel Depth (mm)

Pier Deck

CK-2559
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Steel/Concrete

Girders Fair

Diaphragms Fair

Bracing Fair

Under Trussing

Hardware

Welded/grouted
shear connectors

Log

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)

Rot Depth
(mm)

Condition

Comment

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	0.5	Ic	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Medium	Post load rating signs
2 Medium	Install log fenders (6m length x 600mm diameter) at each corner of bridge

3

4

5

6

7

Item	Monitor Description	Frequency
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1

2

3



Approach from Left Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream



Evidence of stream height



Superstructure



Minor damage to center span bracing



Downstream Profile



Upstream Profile



Structure ID



Right Bank Abutment when facing downstream