

CK-2551
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PURCELL 3.1km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°44'58.59" Longitude -122°5'52.7"

Site Status Active

Insp. Status Inspect

Crossing Name Unknown

FSR # 11024 Branch # 1

Road Name PURCELL

User km 3.1

Previous Load Rating (tonnes) 64

Structure Class Temporary Bridge

Portable N

Superstructure Log Stringers

Deck Type Gravel

Abutment Left Crib, Log or Untreated Timber

Abutment Right Sill -Temporary Materials

Spans 1

Total Length (m) 9

Deck Width (m) 5.8

Updated Data

Latitude 49°44'59.28" Longitude -122°5'53.26"

HD Diff. (m) 23.7 Accuracy (m) 7

BCL-625 or 64 tonnes

Inspection

Date of Inspection 2022-11-01 9:33:04 AM

Inspector Name Cameron VandenBrink, EIT

Recommended Next Inspection 2023

Inspection Company Chartwell Resource Group Ltd

Inspector Comments Serial/ID Plate

Load rating to continue as previous inspection. Lash and shim needle beam to bring to I100 of required as specified in previous report.

P.Eng Comments

Repair/replace the damaged riprap at the upstream right bank location and monitor for future scour. Brush approaches and post bridge ahead signs.

The needle beam is not tight to all stringers and ineffective. Limit loading to BCL-625 or 64 tonnes and post load rating signs. In order to increase the load limit I recommend re-lashing the needle beam to all stringers and the structural guard log, ensuring effective shims are installed between the needle beam and stringers. Contact the Coast Engineering Group for further clarification and requirements if this option is requested.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

HC and vc left approach

Bridge Ahead Signs
Missing

☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left

☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right

☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Guide logs

Posted Load Rating

Not posted

Road Surface Poor

Vegetation up to 1.2m growing out of road prism

Abutment

Log/Timber Cribs Good

3 high open crib. Left bank only.

Tie Backs Good

4x

Bin Wall

Pier

Concrete

Caps or Sills Good

Right bank on mud sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Fair

Fill Good

Riprap Fair

Steep. Right bank upstream has begun to scour and movement of large rocks. Further scour puts upstream, end of silllog at risk. Left bank large rocks beginning to scour, toe appears perched

Bearings Good

Corrosion Protection

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Deck

Running Surface Poor Vegetation up to 1.2m growing out of road prism

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface Good Gravel running surface in good condition. Running surface poor due to vegetation

Curb Rail/Blocks/Posts Good Brow logs pinned too below

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Good If brushed in good condition

Gravel Depth (mm) 500

Pier Deck

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Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors

Log

Log Curbs **Good** Pinned 4x

Needle Beam **Good**

Needle Lashing/
Shimming **Poor** Loose, can swing by hand

Needle Beam to Crib (m) **4**

Needle Diameter (mm) **5**

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
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1	Fd	Y	480	8	Good	Spot checked, all stringers in good condition.
2	Fd	Y	460		Good	
3	Fd	Y	480	5	Good	
4	Fd	Y	490		Good	
5	Fd	Y	460		Good	
6	Fd	Y	440		Good	
7	Fd	Y	430		Good	
8	Fd	Y	460	8	Good	
9	Fd	Y	470		Good	
10	Fd	Y	470		Good	
11	Fd	Y	450	7	Good	
12	Fd	Y	440		Good	
13	Fd	Y	440		Good	
14	Fd	Y	480	8	Good	

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Hazards

Estimated Present Water Level Depth (m) .2 High Water ☐ Debris ☐
Estimated Present Water Level Width (m) 4 Aggradation ☐ Scour ☒
Estimated High Water Level Clearance 1.8 Ic ☐

Comments Upstream right riprap, failure will result in undermining of sill log.

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Add Load Rating Signs. # sites. Priority:Low	Install bridge ahead signs as well. Low due to access to site.
2 Structure. Add riprap Priority: HIGH	Repair/replace upstream right bank riprap
3 Approach. Brush. Priority: High	Brush approaches prior to use
4	
5	
6	
7	

Item	Monitor Description	Frequency
1 Riprap slopes		Anually
2		
3		



Approach from Left Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Upstream Profile



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Downstream Profile



Stringers



Crib



Right Bank Abutment when facing downstream