

CK-2552

PURCELL km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude 49°45'9.6" Longitude -122°6'5.9"

Crossing Name Unknown

FSR # 11024 Branch # 1

Road Name PURCELL

User km 7.2km

Previous Load Rating (tonnes) 91

Structure Class Temporary Bridge

Portable N

Superstructure Log Stringers

Deck Type Gravel

Abutment Left Sill -Temporary Materials

Abutment Right Sill -Temporary Materials

Spans 1

Total Length (m) 9.5

Deck Width (m) 5.1

Updated Data

Latitude 49°45'11.81" Longitude -122°6'6.51"

HD Diff. (m) 69.3 Accuracy (m) 10

L75 or 68 tonnes

5.8

Inspection

Date of Inspection 2019-04-25 10:30:01 AM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

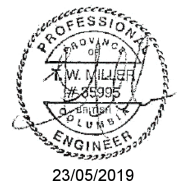
Inspection Company FLNRORD

Inspector Comments

8.4m span
 needle beam not tight to stringers or structural guard log at upstream or downstream
 Look to add gravel fill and/or add adequate shims to stringer/needle beam interface
 Add hardware to signs

P.Eng Comments

Replace/add hardware to all signs. Monitor the condition of the riprap as it's steep at 1:1 slope. The timber shims that have been placed between the needle beam and stringers are loose and ineffective. Limit loading to L75 or 68 tonnes and post load rating signs.
 In order to increase the load limit to L100 I recommend adding 200mm gravel fill to the deck (ensure 600mm total depth); and replace/add proper shims so that the needle beam is sufficiently tight to ALL stringers.



P.Eng Seal

CK-2552

PURCELL km

2019 Inspection



CBR iPad Offline Ver 0.31

Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs Good These are mudsills

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Good

Fill Good

Riprap Good Steep at 1:1

Bearings Good

Corrosion Protection

CK-2552

PURCELL km

2019 Inspection

CBR iPad Offline Ver 0.31



Deck

Running Surface

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface **Good**

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm) **400**

Pier Deck

CK-2552

PURCELL km

2019 Inspection

CBR iPad Offline Ver 0.31

**Steel/Concrete**

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors**Log**Log Curbs **Good**Needle Beam **Fair** Small diameter at 410mmNeedle Lashing/
Shimming **Fair**Needle Beam to Crib (m) **4.3**Needle Diameter (mm) **410**

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Fd		570		Good	
2	Fd		560		Good	
3	Fd		520		Good	
4	Fd		550		Good	
5	Fd		500		Good	
6	Fd		510		Good	
7	Fd		520		Good	
8	Fd		520		Good	
9	Fd		550		Good	
10	Fd		520		Good	
11	Fd		530		Good	
12	Fd		490		Good	
13	Fd		500		Good	

CK-2552

PURCELL km

2019 Inspection



CBR iPad Offline Ver 0.31

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	4.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Post load rating signs

2	Medium	Add hardware to all signs and delineators
---	--------	---

3		
---	--	--

Item	Monitor Description	Frequency
1	Riprap condition	Routine Inspection

2		
---	--	--

3		
---	--	--

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream



Downstream Profile



Left Bank Abutment when facing downstream



Stringers



Needle beam not tight to stringers or structural guard log



Needle beam not tight to stringers or structural guard log