CK2479	GRIZZLY 2.1km	2018 Inspection

CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude
49°56'18.39"	-121°54'23.8"

Crossing Name	Grizzly Creek		
FSR #	6996	Branch #	16
Road Name	GRIZZLY		
User km	2.1		
Current Load Rating (tonnes)	41		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Treated		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	19.3		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude
49°56'19.28"	-121°54'24.21"

HD Diff. (m)	28.4	Accuracy (m)	5

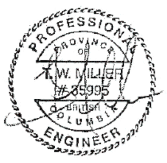
Inspection

Date of Inspection	2018-06-12 10:50:33 AM	Recommended Next Inspection Year	2020
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

Replace the running planks, guardrail and risers. Add slope protection and fill at right approach, and consider replacing the timber ballast wall on the right bank with longer timbers to help hold the additional fill requirement. Place fenders at both approaches; post missing bridge ahead signs, replace missing delineators and brush approaches. Limit loading to L45 or 41 tonnes until the work has been completed. Post updated load rating sign.



P.Eng Seal

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Approach

Alignment	Fair	Horizontal curve and vertical curves
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	Y	
Delineator Missing Left	○ 0 ○ 1 ● 2	
Delineator Missing Right	○ 0 ○ 1 ● 2	
Fender Condition	Poor	None in place
Posted Load Rating		Not posted
Road Surface	Poor	Grade below bridge deck and potholes

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Concrete		
Caps or Sills		
Piles or Posts	Fair	
Ballast Wall	Fair	Creosote timbers. Consider replacing with longer pieces to hold fill material
Wing Wall		
Bracing	Fair	
Hardware		
Fill	Poor	Eroding at right approach resulting in a reduced road width
Riprap	Fair	
Bearings	Fair	
Corrosion Protection	Fair	

Deck

Running Surface		
Running Planks	Poor	Rotten sections throughout, especially at approaches
Sub Deck	Fair	Creosote
Ties	Fair	Creosote
Nails	Poor	Protruding through planks
Deck to Girder Bolts	Good	
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Poor	Rotten risers and pocket rot in guardrail
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Poor	Due to timber plank and guardrail condition
Gravel Depth (mm)		

Steel/Concrete

Girders	Good
Diaphragms	Good
Bracing	Good
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

Hazards

Estimated Present Water Level Depth (m)	1.0	High Water	☐	Debris	X
Estimated Present Water Level Width (m)	15.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.0	Ice	☐		

Comments
Signs of debris under bridge

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace guardrail, running planks, risers and delineators
2	High	Add additional slope protection and fill at right approach
3	Medium	Brush both approaches, add fenders to both approaches and post bridge ahead signs

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

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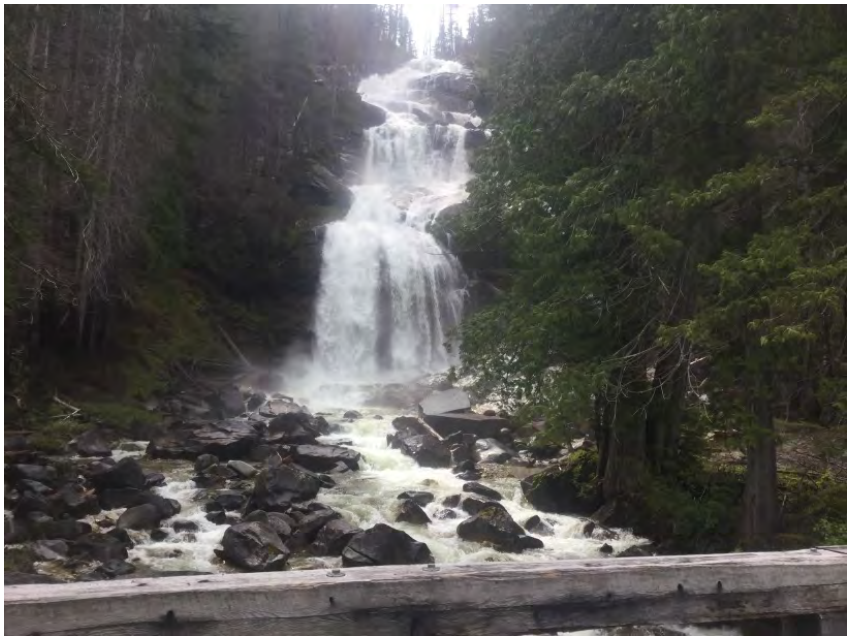
Approach from Left Bank when facing downstream



Upstream from Crossing

Deck

Downstream from Crossing

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Approach from Right Bank when facing downstream

Left Bank Abutment when facing downstream

Loosing fill on road approach to right abutment

Right Bank Abutment when facing downstream

Superstructure