CK-2169	LOST CREEK 14.6km	2019 Inspection

CBR iPad Offline Ver 0.31

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°22'51.7"	-122°13'22.7"

Crossing Name	Boulder Creek
FSR #	8466 Branch # 1
Road Name	LOST CREEK
User km	14.6
Previous Load Rating (tonnes)	54
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	23.9
Deck Width (m)	4.6

Updated Data

Latitude	Longitude
49°22'51.42"	-122°13'22.31"

HD Diff. (m) 11.6 Accuracy (m) 5

L60 or 54 tonnes

Inspection

Date of Inspection 2019-04-26 12:04:05 PM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2022

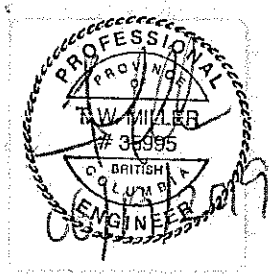
Inspection Company FLNRORD

Inspector Comments

Sounded slab 3 and no distortion noted
Appears as though slab was repaired (grouted noted at surface) a number of years ago

P.Eng Comments

The riprap condition continues to deteriorate, recommend repairing before it becomes a capacity issue. Add surfacing material to both approaches and grade. Post bridge ahead signs and brush. Continue to monitor the riprap scour and crack on the underside of the 3rd girder, especially while in use and in rainy weather for water ingress and further deterioration. The current load rating of L60 or 54 tonnes to continue.



P.Eng Seal

Approach

Alignment	Good	
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	
Posted Load Rating		Not posted
Road Surface	Poor	Large potholes

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills	Good	
Piles or Posts	Good	
Ballast Wall	Unrated	None
Wing Wall		
Bracing	Good	
Hardware		
Fill	Fair	
Riprap	Poor	Scoured both approaches
Bearings	Good	
Corrosion Protection	Fair	

Deck

Running Surface	
Running Planks	
Sub Deck	
Ties	
Nails	
Deck to Girder Bolts	
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	

Steel/Concrete

Girders	Fair	4 concrete slabs
Diaphragms		
Bracing		
Under Trussing		
Hardware		
Welded/grouted shear connectors	Good	

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)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	7.0	Aggradation	☐	Scour	X
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Low	Post bridge ahead signs
2	Medium	Consider repairing riprap at both approaches
3	High	Add surfacing to approaches

Item	Monitor Description	Frequency
1	Riprap scour	Routine Inspection
2	repaired crack condition in 3rd girder	Routine Inspection
3		

Sketch
(Select Signature)

Deck

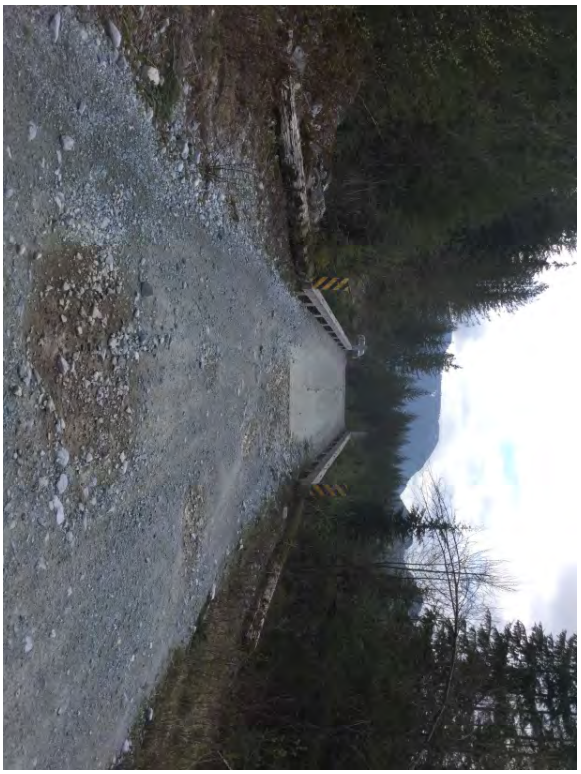
Approach from Left Bank when facing downstream

Upstream from Crossing

Approaches require surfacing

Downstream from Crossing

Left Bank Abutment when facing downstream



Approach from Right Bank when facing downstream

Right Bank Abutment when facing downstream

Superstructure

Efflorescence on slab 3