CK-2168	LOST CREEK 8.6km	2019 Inspection

CBR iPad Offline Ver 0.31

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°20'29.19"	-122°14'26.2"

Crossing Name	Twin Lakes Creek
FSR #	8466 Branch # 1
Road Name	LOST CREEK
User km	8.6
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	21.4
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°20'27.76"	-122°14'31.11"

HD Diff. (m)	108.4	Accuracy (m)	30

L75 or 68 tonnes

Inspection

Date of Inspection	2019-04-26 11:31:46 AM
Inspector Name	Tyson Miller

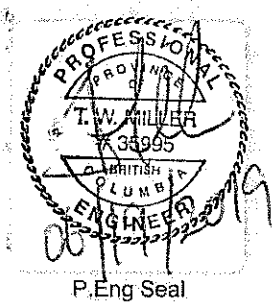
Recommended Next Inspection Year 2022

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Repair the damage noted to the top of the right bank ballast wall and adjacent deck panel consistent with the Concrete Repair Guide for Concrete Bridge Components (MoFLNRO, 2017); replace the missing bridge ahead sign; and grade approaches. Monitor the riprap scour noted at downstream right bank. The current load rating of L75 or 68 tonnes to continue.



P.Eng Seal

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Approach

Alignment	Fair	HC right approach
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	Poor	Large Potholes

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts	Good	
Ballast Wall	Poor	Top surface of right bank has significant damage
Wing Wall	Good	Upstream left bank and downstream right bank have lock blocks retaining fill
Bracing	Good	
Hardware		
Fill	Good	
Riprap	Fair	Downstream right bank has sustained minor scour
Bearings	Good	
Corrosion Protection	Good	

Deck

Running Surface	Good
Running Planks	
Sub Deck	
Ties	
Nails	
Deck to Girder Bolts	
Concrete Deck	Good
Grout Pockets	Good
Deck Joints	Good
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	Good	
Diaphragms	Good	5 bolted bays
Bracing	Good	
Under Trussing		
Hardware	Good	
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)	0.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	6.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	2.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Low	Replace missing bridge ahead sign
2	High	Repair damage to right bank ballast wall and panel 1
3	High	Grade approaches

Item	Monitor Description	Frequency
1	Riprap scour noted downstream right bank	Routine Inspection
2		
3		

Sketch
(Select Signature)

Upstream from Crossing

Approach from Left Bank when facing downstream

Downstream from Crossing

Deck

Riprap scour noted downstream right bank

Requires surfacing at both approaches

Approach from Right Bank when facing downstream

Right abutment top ballast wall condition

Right bank panel 1 damage

Missing rebar on right bank ballast wall

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

Downstream right bank fill retaining blocks

Upstream left bank fill retaining blocks