CK-2167	LOST CREEK 8.4km	2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude	Longitude
49°20'26.09"	-122°14'32.3"

Road Name	LOST CREEK
User km	8.4
Current Load Rating (tonnes)	68
Structure Class	Temporary Bridge
Portable	Y
Superstructure	Steel Box Beam
Deck Type	Steel
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	24.4
Deck Width (m)	4.95

Updated Data

Latitude	Longitude
49°20'25.88"	-122°14'31.68"

HD Diff. (m)	14.3	Accuracy (m)	5

Road Name	Lost Creek
User km	8.0
Current Load Rating (tonnes)	L75 or 68 tonnes
Structure Class	Temporary Bridge
Portable	Y
Superstructure	Steel Box Beam
Deck Type	Steel
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	24.4
Deck Width (m)	4.9

Inspection

Date of Inspection 2014-10-09 9:21:20 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

The old timber cap that is holding up the old stringers underneath the existing superstructure is rotting and crushing. I recommend removing the old log stringers and timber cap before failure. These items need to be monitored until removed. Present load rating of L75 or 68 tonnes to continue.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
P.Eng Seal

Jan 19/2015

Approach

Alignment	Fair	
Bridge Ahead Signs Missing	• 0 ○ 1 ○ 2	
Brushing Required	Y	
Delineator Missing Left	• 0 ○ 1 ○ 2	
Delineator Missing Right	• 0 ○ 1 ○ 2	
Fender Condition	Good	
Posted Load Rating		not posted
Road Surface	Fair	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	Good	lock blocks still vertical and not moving with settling old structure which is tied to lockblocks
Caps or Sills	Fair	2 x 200mm x 200mm x 6096mm long - rot detected but not crushing. Old timber cap is rotten and crushing - should be removed
Piles or Posts	N/A	
Ballast Wall	Fair	logs and timbers
Wing Wall	Good	lock blocks
Bracing	N/A	
Hardware	Good	geogrid between each row of blocks
Fill	Good	
Riprap	Good	
Bearings	Good	

Corrosion Protection	N/A	

Deck

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	Fair	anti skid is worn off
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Good	
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Girders	Good	
Diaphragms	Unrated	inside box beams
Bracing	Unrated	inside box beams
Under Trussing	N/A	
Hardware	N/A	
Welded/grouted shear connectors	N/A	

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)	Comment

Hazards

Estimated Present Water Level Depth (m)	.0	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	12.	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	4.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	remove old structure underneath existing before failure due to rotten crushing timber caps
2	Medium	brush
3		

Monitor Item	Monitor Description	Monitoring Frequency
1	log structure for failure especially since they are fastened to lock block abutments	Anually
2		
3		

Sketch
(Select Signature)

FileName CBR iPad Offline Ver 0.17

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Approach from Right Bank when facing downstream

Deck

Approach from Left Bank when facing downstream

Right Bank Abutment when facing downstream

CK-2167 LOST CREEK 8.4km 2014 Inspection

Downstream Profile

old structure underneath

Structure ID

Left Bank Abutment when facing downstream

old structure timber cap crushing

old structure timber cap rotten and crushing

old log stringers fastened to lock block abutments