

CK-2171

LOST CREEK 17.8km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude Longitude
49°23'33.29" -122°14'7.8"

Road Name LOST CREEK
User km 17.8
Current Load Rating (tonnes) 54
Structure Class Temporary Bridge
Portable N
Superstructure Steel I-beam
Deck Type Timber - Untreated
Abutment Left Steel Pipe and Precast Pad
Abutment Right Steel Pipe and Precast Pad
Spans 1
Total Length (m) 16.3
Deck Width (m) 4.4

Updated Data

Latitude Longitude
49°23'32.36" -122°14'8.66"
HD Diff. (m) 33.7 Accuracy (m) 5
Lost Creek
17.8
L45 or 41 tonnes
Temporary Bridge
Y
Steel I-beam
Timber – Untreated
Steel Pipe and Precast Pad
Steel Pipe and Precast Pad
1
16.3
4.4

Inspection

Date of Inspection 2014-10-09 10:29:36 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

The running planks, sub deck and guardrail are all showing signs of decay. The ties are 8 years and are now also showing signs of decay. This deck assembly is untreated and the running planks are not required with the replacement work. Replace sub deck, ties and guardrail with activity. Post bridge ahead signs and replace missing delineators. The bearing plates on the girders do not bear properly on the bearing plates of the posts and recommend monitoring these. L45 or 41 tonnes load rating until deck replacement.



Jan 30/2015

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2Delineator 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 N/A

Caps or Sills Fair steel plates and rubber pads

Piles or Posts Fair

Ballast Wall Good treated timbers

Wing Wall N/A

Bracing Fair

Hardware N/A

Fill Good

Riprap Good

Bearings Fair check record drawings and structural drawings

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Corrosion Protection	Poor	posts do not appear painted
Deck		
Running Surface	N/A	
Running Planks	Fair	fair to poor - will require complete replacement soon
Sub Deck	Fair	fair to poor as rot starting to accumulate underneath
Ties	Fair	
Nails	Fair	
Deck to Girder Bolts	Fair	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	fair to poor - require replacement with industrial activity
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

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Steel/Concrete

Girders Fair

Diaphragms Fair welded - right abutment bottom cord bent

Bracing Fair welded

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

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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) 2.0

Ice ☐

Comments

Check bearing detail on structural drawings.
Check age of deck as all showing signs of decay, running
planks and subdeck especially.

Repairs and MonitoringRepair
Item

Priority

Repair Description

1

High - replace ties and subdeck (no running planks required with untreated deck

High - replace guardrail with industrial activity

2

Medium - replace missing delineators and post bridge ahead signs

High - post load rating signs

3

**Monitor
Item**

Monitor Description

Monitoring
Frequency

1

bridge bearing

Annually

2

3

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Deck



Left Bank Abutment when facing downstream

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Right Bank Abutment when facing downstream



superstructure



Deck



typical bearing

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typical bearing



right abutment bottom cord on diaphragm