

CK-2052

CHILLIWACK RIVER 11.1km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude	Longitude
49°1'32.59"	-121°23'24.2"
Road Name CHILLIWACK RIVER	
User km	11.1
Current Load Rating (tonnes)	63
Structure Class	Permanent 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)	33.3
Deck Width (m)	4.5

Updated Data

Latitude	Longitude
49°1'32.12"	-121°23'23.71"
HD Diff. (m)	17.9
Accuracy (m)	5
Chilliwack Lake	
11.1	
BCL-625 or 63 tonnes	
Temporary Bridge	
Steel I-beam	
Timber – Untreated	
Steel Pipe and Precast Pad	
Steel Pipe and Precast Pad	
1	
33.0	
4.1	

Inspection

Date of Inspection 2014-10-31 1:19:08 PM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

Place fenders at approaches, replace missing delineators and missing bridge ahead sign. Monitor the condition of the wingwalls. The load rating of BCL-625 or 63 tonnes is conditional to limiting eccentricity to 300mm and limiting vehicle speed to 30km/hr. To control vehicle eccentricity and ensure that vehicles track down the centre of the bridge I recommend placing running strips on the bridge deck. Present load rating of BCL-625 or 63 tonnes to continue.



T.W. Miller
Dec 17 / 2014

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☐ 0 ☒ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☐ 0 ☐ 1 ☒ 2Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Poor missing right approach and ineffective left approach

Posted Load Rating 62

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair plates and pads

Piles or Posts Fair

Ballast Wall Good creosoted timbers

Wing Wall Poor ends of wing rotten but still retaining fill

Bracing Fair

Hardware N/A

Fill Fair

Riprap Good

Bearings Fair

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Corrosion Protection Fair

Deck

Running Surface N/A

Running Planks Good

Sub Deck N/A

Ties Good

Nails Good

Deck to Girder Bolts Good

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 Good

Hand Rails/Walkouts Good

Hardware Good

Overall Deck Condition Good

Gravel Depth (mm)

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Steel/Concrete

Girders Fair

Diaphragms Fair 4x, welded

Bracing Fair

Under Trussing N/A

Hardware Fair splice plate bolts

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) 1.0

High Water ☐Debris ☐

Estimated Present Water Level Width (m) 15.

Aggradation ☐Scour ☐

Estimated High Water Level Clearance (m) 2.0

Ice ☐

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	Medium	replace missing delineators
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2	Medium	replace missing bridge ahead signs
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3		place fenders at approaches
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Monitor Item

Monitor Description

Monitoring Frequency

1	condition of wingwalls
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routine inspection

2

3

Sketch
(Select Signature)

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Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream

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Left Bank Abutment when facing downstream