

CK-2052

CHILLIWACK RIVER 11.1km

2016 Inspection

CBR iPad Offline Ver 0.23



CBR Data

Latitude	Longitude		
49°1'32.09"	-121°23'23.7"		
Crossing Name	Depot Creek		
FSR #	5127	Branch #	1
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		
Deck Width (m)	4.1		

Updated Data

Latitude	Longitude		
49°1'32.62"	-121°23'22.66"		
HD Diff. (m)	26.5	Accuracy (m)	5
L45 or 41 tonnes			

Inspection

Date of Inspection 2016-10-24 11:10:56 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

bridge is gated and use restricted. The wear planks have been removed therefore bridge back to original design rating. Replace the fill retaining logs at all 4 corners prior to industrial use

P.Eng Comments

Bridge use is currently restricted by lock blocks and a gate. Prior to using the structure place running strips on the wheel path to limit eccentricity to 300mm; post a speed restriction of 30km/hr at both approaches; replace the fill retaining logs at each approach; replace missing delineators and post bridge ahead signs. The original design load rating of L45 or 41 tonnes is to be adhered to until the above mentioned works have been completed. Monitor the condition of the bearing bolts.



23/01/2017

P.Eng Seal

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Approach

Alignment Fair

VC 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 Poor

none

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

bearing plates on right bank not slotted and bolts stressed

Piles or Posts Fair

Ballast Wall Good

creosote timbers

Wing Wall Poor

logs retaking fill in poor condition

Bracing Fair

Hardware Good

Fill Fair

Riprap Fair

oversteepened on left bank but no flow

Bearings Fair

monitor bolt condition

Corrosion Protection Fair

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**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 Fair

Overall Deck Condition Good

Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate

Girders Fair

Diaphragms Fair 4 welded bays

Bracing Fair

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)	Condition	Comment

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	8.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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- | | | |
|---|------|---|
| 1 | Low | replace missing delineators |
| 2 | Low | replace fill retaining logs prior to industrial use |
| 3 | Low | post bridge ahead signs |
| 4 | High | place running strips to reduce eccentricity to 300mm and post 30km/hr speed restriction |

Item	Monitor Description	Frequency
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1	bearing bolts on right bank	Routine Inspection
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2

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



tie record



Deck



looking downstream



looking upstream



handrail connection to curb



50mm x 50mm HSS handrail



Approach from Left Bank when facing downstream



Left Bank Abutment when facing downstream



splice plates



Right Bank Abutment when facing downstream



superstructure



wing logs retaining fill in poor condition



right bank bearing plates offset - holes not slotted and bolts stressed