

CK-2027

CHEHALIS 30.8km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude Longitude
49°27'8.1" -122°1'29.4"

Road Name CHEHALIS
User km 30.8
Current Load Rating (tonnes)
Structure Class Temporary Bridge
Portable N
Superstructure Steel Truss/Bailey/Acrow
Deck Type Timber - Untreated
Abutment Left Concrete Precast
Abutment Right Concrete Precast
Spans 1
Total Length (m) 28.6
Deck Width (m) 4.5

Updated Data

Latitude Longitude
°0'0" -122°1'29.4"
HD Diff. (m) 5504999.3 Accuracy (m)
Chehalis
30 tonnes
Temporary Bridge
N
Steel Truss/Bailey/Acrow
Timber - Untreated
Concrete Precast
Concrete Precast
1
4.3

Inspection

Date of Inspection 2014-09-09 1:49:48 PM

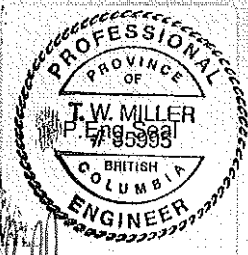
Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

This install was originally designed for a very short period (180 cycles of L60 logging truck loads) in 2008 and consequently supposed to be removed following the hauling. The installation did not follow the design concept resulting in a number of short term repairs in order to meet the L60 (54 tonnes) load rating. Due to the condition of the bearing reduce the load rating to 30 tonnes. Remove and replace both the acrow and the log stringer superstructures.

Update load rating sign.*Dec 5/2014*

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Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

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

Fender Condition Fair

Posted Load Rating 68

Road Surface Fair

Abutment

Log/Timber Cribs Fair fair to poor and only for fill retention

Tie Backs Fair

Bin Wall N/A

Concrete Fair old CIP that log crib sits on

Caps or Sills Fair 4 precast pads

Piles or Posts N/A

Ballast Wall Fair 2 steel girders bolted together - left upstream **leaning streamside**

Wing Wall N/A

Bracing Fair

Hardware Fair

Fill Fair needs to monitored with log crib condition

Riprap N/A

Bearings **poor****end posts are sitting on 2 x 4 shims which are crushed and settling, a note in file indicates a crack in 1 of the concrete pads**

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Corrosion Protection N/A

Deck

Running Surface N/A

Running Planks Fair herring bone

Sub Deck Fair

Ties Fair 100mm x 300mm on random centers

Nails Fair

Deck to Girder Bolts N/A

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

Hand Rails/Walkouts N/A

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

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Steel/Concrete

Girders Fair 9 panel Acrow - double single reinforced chords

Diaphragms N/A

Bracing Fair

Under Trussing Fair

Hardware Fair only few missing clips and non- centred pins

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) 2.0

High Water ☐Debris ☒

Estimated Present Water Level Width (m) 10.

Aggradation ☐Scour ☐

Estimated High Water Level Clearance (m) 1.0

Ice ☐

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Monitor Item

Monitor Description

Monitoring Frequency

1 log stringers for failure

Anually

2

3

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Approach from Right Bank when facing downstream

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Right Bank Abutment when facing downstream - old crib retaining fill



Left Bank Abutment when facing downstream - old crib retaining fill



old log stringers underneath



Upstream Profile