

CK-2506

Chehalis-Alf 0.2km

2016 Inspection



CBR iPad Offline Ver 0.23

CBR Data

Latitude	Longitude
°0'0"	°0'0"
Crossing Name	unknown
FSR #	Branch #
Road Name	Chehalis-Alf
User km	0.2
Current Load Rating (tonnes)	40 tonnes
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	15.3
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°20'41.43"	-122°2'52.82"
HD Diff. (m)	10007171.5
Accuracy (m)	5

Inspection

Date of Inspection 2016-09-06 11:21:15 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

The right downstream precast footing is still undermined and subject to further erosion. The upstream footing is exposed and subject to erosion. The riprap is all rounded and not well graded or tied together which will lead to further erosion. The guardrail is rotten; there are missing bracing bolts; and the road is brushed in. I recommend a complete replacement for long term use. The present load rating of 40 tonnes to continue.



19/01/2017

P.Eng Seal

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Approach

Alignment Fair

VC both approaches

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

 Delineator Missing
Left ☐ 0 ☐ 1 ☒ 2

 Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Poor

missing upstream left

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 Good

steel plated and rubber pads

Piles or Posts Good

Ballast Wall Fair

some damage noted on left bank wall

Wing Wall N/A

Bracing Good

Hardware Poor

loose rail bolts

Fill Fair

Riprap Fair

fair to poor as rounded and not well graded

Bearings Poor

due to undermined precast footing

Corrosion Protection Good

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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	Good	
Grout Pockets	Fair	
Deck Joints	Fair	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	rotting
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	due to rail condition
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate

Girders Good

Diaphragms Good

Bracing Fair

Under Trussing N/A

Hardware Poor missing bracing 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)	Condition	Comment

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item Priority

Repair Description

- | | | |
|---|--------|---|
| 1 | High | repair undermined precast footing at right downstream |
| 2 | Medium | replace guardrail prior to activity |
| 3 | Medium | brush approaches and replace delineators and bridge ahead signs |

Item

Monitor Description

Frequency

1 right downstream footing scour

Anually

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



damage to left bank ballast wall



Deck



looking upstream



looking downstream



Right Bank Abutment when facing downstream



Approach from Right Bank when facing downstream



Left Bank Abutment when facing downstream



right bank downstream precast footing undermined -approx 400mm



missing bracing bolts