

CK-2506

ChehalisAlf 0.4km

2015 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
°0'0"	°0'0"
Crossing Name	unknown
FSR #	Branch #
Road Name	ChehalisAlf
User km	0.4
Current Load Rating (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	15.3
Total Length (m)	15.5
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°20'40.95"	-122°2'52.53"
HD Diff. (m)	10007179.6
Accuracy (m)	5
40 tonnes	

Inspection

Date of Inspection 2015-07-17 1:11:50 PM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

The right downstream precast footing is undermined and subject to further scour. The upstream footing is exposed to scour but at the time of the inspection was not. The riprap is all rounded and not well graded which will lead to further erosion of the footings. The guardrail system is rotten. There are missing bracing bolts. Recommend a complete replacement of the structure for long term use. Load rating is 40 tonnes until material under footing is replaced and proper bearing is attained. Please post.



P.Eng Seal

Nov 23/2015

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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 Fair

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

Piles or Posts Good

Ballast Wall Fair

Wing Wall N/A

Bracing Good

Hardware Poor loose rail bolts

Fill Poor material under downstream right footing is scoured

Riprap Poor rounded and not all keyed together - poor gradation

Bearings Poor material under downstream right footing is scoured, upstream is exposed but not scoured

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

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Steel/Concrete

Serial/ID Plate

Girders Good

Diaphragms Good 3 bays, bolted

Bracing Poor missing bolts

Under Trussing N/A

Hardware Poor missing 2 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)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	repair scoured footing prior to industrial traffic
2	Medium	replace missing bracing bolts
3	Medium	replace guardrail, risers and blocks

Item	Monitor Description	Frequency
1	scour under footings	Anually
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Deck



Right Bank Abutment when facing downstream

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missing bracing bolts



Left Bank Abutment when facing downstream



scoured footings right approach - approx 500mm from front face