

CK-2504

Chehalis-Maisal 5.3km

2016 Inspection



CBR iPad Offline Ver 0.23

CBR Data

Latitude	Longitude
°0'0"	°0'0"
Crossing Name	unknown
FSR #	Branch #
Road Name	Chehalis-Maisal
User km	5.3
Current Load Rating (tonnes)	None
Structure Class	Temporary Bridge
Portable	Y
Superstructure	Steel I-beam
Deck Type	Concrete Removable
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	11.8
Total Length (m)	12.3
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°24'55.68"	-121°58'7.26"
HD Diff. (m)	9998076.6
Accuracy (m)	5
40 tonnes	

Inspection

Date of Inspection 2016-08-30 8:56:35 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Repair eroded riprap on the downstream left abutment prior to industrial activity. Monitor the timber cap condition on top of the log sills. Considering this install was originally planned for 5 years or less (installed in 2013) consider deactivating the structure. Reduce loading to 40 tonnes until the riprap and bearing material have been replaced/stabilized. Replace missing delineator.



19/01/2017

P.Eng Seal

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Approach

Alignment Fair

HC both approaches

 Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☐ 0 ☒ 1 ☐ 2

Fender Condition Good

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 timber starting to crack

Piles or Posts N/A

Ballast Wall Good

Wing Wall N/A

Bracing N/A

Hardware Fair rail connection missing bolts

Fill Fair

Riprap Fair fair to pour as scour is evident - structure was installed as a temporary structure

Bearings Fair monitor timber cap

Corrosion Protection N/A

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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 N/A

Deck Joints Fair

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Fair loose rail connection

Hand Rails/Walkouts N/A

Hardware N/A

Overall Deck Condition Fair

Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate

Girders Fair 4 steel I-beams

Diaphragms Fair

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)	0.4	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	4.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	repair scoured riprap on left abutment

2	Medium	replace missing delineator
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3		
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Item	Monitor Description	Frequency
1	riprap scour	Anually
2	timber cap condition	Anually

3		
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Sketch
(Select Signature)



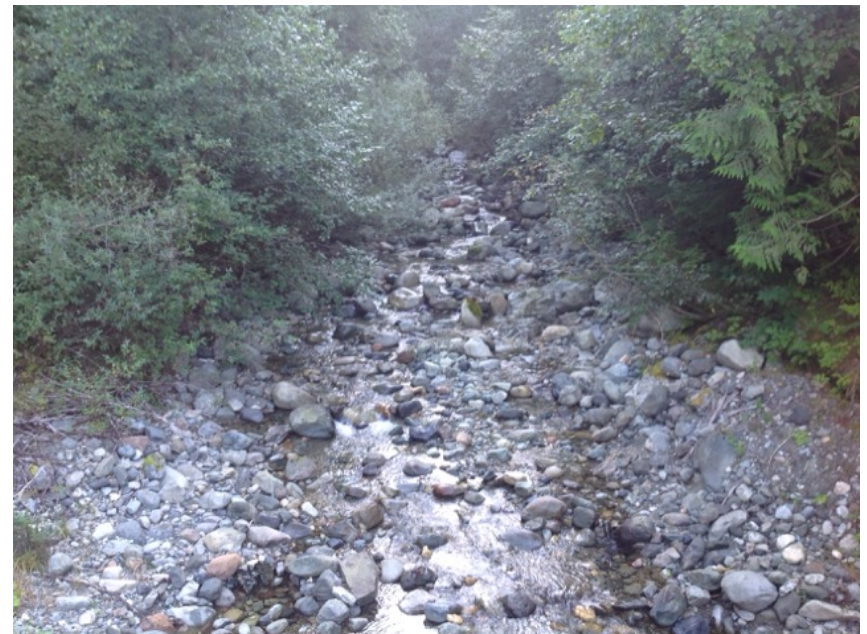
Approach from Left Bank when facing downstream



Deck



Approach from Left Bank when facing downstream



looking upstream



looking downstream



some panels different length



Approach from Right Bank when facing downstream



minor damage to panel



Structure ID



Left Bank Abutment when facing downstream



Upstream Profile



downstream left bank riprap scour



superstructure



stream bottom approx 1.0m below bottom riprap elevation



Right Bank Abutment when facing downstream



upstream log sill diameter



100mm x 300mm timber nailed to log sill for bearing - both banks



rail connection - slides down through steel plates