CK-2504	Chehalis-Maisal 5.3km	2016 Inspection

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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 origianlly 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

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	

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)		

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
3		

Item	Monitor Description	Frequency
1	riprap scour	Anually
2	timber cap condition	Anually
3		

Sketch
(Select Signature)

CK-2504 Chehalis-Maisal 5.3km 2016 Inspection

Approach from Left Bank when facing downstream

Deck

Approach from Left Bank when facing downstream

looking upstream

CK-2504 Chehalis-Maisal 5.3km 2016 Inspection

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