

2046
CK-2046

CHEHALIS-MYSTERY 4.7km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°30'15.99"	-121°58'5"
Crossing Name	Mystery creek
FSR #	8241
Branch #	11
Road Name	CHEHALIS-MYSTERY
User km	4.7
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	11
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°30'16.92"	-121°58'2.45"
HD Diff. (m)	58.6
Accuracy (m)	5
L75 or 68 tonnes	

Inspection

Date of Inspection 2020-05-11 10:38:50 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2023

Inspection Company MoFLNRORD

Inspector Comments

P.Eng Comments

Repair the damage noted to the running surface consistent with the Concrete Repair Guide for Concrete Bridge Components MoFLNRORD (2017). Repair the damage (or replace) to the riser located at upstream right bank. Replace the missing delineator. Remove the sediment accumulations from the deck and post bridge ahead signs. Monitor bedload accumulations. The current load rating of L75 or 68 tonnes to continue.



2020-11-23

P.Eng Seal

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Approach

Alignment Fair

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

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills Good

Piles or Posts Unrated Not visible

Ballast Wall Good

Wing Wall

Bracing Unrated Not visible

Hardware

Fill Fair

Riprap Fair

Bearings Good

Corrosion Protection Unrated Not visible

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Deck

Running Surface Fair Sediment collecting on deck

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Concrete has significant wear along wheel path, likely due to tracked equipment

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Single steel riser damage noted

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair 4 concrete slabs with surface wearing along wheel path

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors Good grouted

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)	0.1	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	2.0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments Stream appears to transport bedload and organic material

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Clean Deck. # of delineators. Priority:Medium	Remove sediment from deck
2 Structure. Delineator maintenance. . Priority:Low	Repair damage (or replace) to upstream right bank riser and delineator
3 Structure. Concrete structural maintenance. m². Priority:Medium	Repair damage to surface
4	Post bridge ahead signs
5	
6	
7	

Item	Monitor Description	Frequency
1 Bedload		Routine Inspection
2		
3		



Approach from Left Bank when facing downstream



Deck



Wear on wheel path noted



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Upstream right approach riser damage



Upstream right approach riser damage



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Upstream Profile