

CK-2045
CK-2045

CHEHALIS-MYSTERY 1.5km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude 49°30'56.99" Longitude -121°55'44"

Crossing Name Mystery creek

FSR # 8241 Branch # 11

Road Name CHEHALIS-MYSTERY

User km 1.5

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) 14

Deck Width (m) 4.9

Updated Data

Latitude 49°30'56.7" Longitude -121°55'43.66"

HD Diff. (m) 11.5 Accuracy (m) 5

L75 or 68 tonnes

Inspection

Date of Inspection 2020-05-11 10:59:14 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Repair the damage noted to the concrete slab as per the Concrete Repair Guide for Concrete Bridge Components MoFLNRO (2017) located at the downstream right bank and reattached the riser at this location. Repair the damage noted to the guardrail at the downstream right and upstream left banks. Reconnect and realign all concrete no post barriers. Replace the missing delineator and clean the sediment accumulations off deck. There is significant bedload located at the crossing, monitor and clean accordingly. The current load rating of L75 or 68 tonnes to continue.



2020-11-23

P.Eng Seal

CK-2045
CK-2045

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Approach

Alignment Fair

VC 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 Fair

No post barriers not properly connected

Posted Load Rating

Not posted

Road Surface Good

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 Good

Riprap Good

Bearings Good

Corrosion Protection Unrated Buried in fill

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Deck

Running Surface Fair Sediment on deck

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Minor damage noted at upstream left and downstream right approaches

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good 4 concrete slabs

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	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments Stream produces a large amount of bedload which needs to monitored

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Curb Maintenance. # sites. Priority:Medium	Reconnect and realign the approach barriers at the left approach and downstream right approach
2 Structure. Concrete structural maintenance. m². Priority:Medium	Repair damage noted to the deck at downstream right approach at steel riser location. Realign and reattach steel riser
3 Structure. Delineator maintenance. . Priority:Low	Replace missing delineator at downstream right approach
4 Structure. Curb Maintenance. # sites. Priority:Low	Repair damage noted to guardrail at upstream left and downstream right banks
5 Structure. Clean Deck. # of delineators. Priority:Low	Remove sediment from deck

6

7

Item	Monitor Description	Frequency
1	Bedload	Every Routine Inspection
2		
3		



Approach from Left Bank when facing downstream



Approach Barrier



Approach Barrier



Upstream left approach guardrail condition



Upstream from Crossing



Downstream from Crossing



Wear noted on wheel path



Downstream right approach damage to deck at steel riser location



Downstream right approach steel riser condition



Downstream right approach barrier alignment



Approach from Right Bank when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream