

2046

CHEHALIS-MYSTERY 10.3km

2017 Inspection



CBR iPad Offline Ver 0.26

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	10.3
Current 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°30'16.78"	-121°58'3.94"
HD Diff. (m)	32.3
Accuracy (m)	10
4.7	

Inspection

Date of Inspection 2017-06-20 9:53:41 AM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Repair damage noted to the top of the concrete slabs - consult CEG for a repair prescription prior to doing so. Repair or replace the damaged riser and replace the missing bridge ahead sign. Brush approaches. Monitor the damage and condition of the concrete slab girders. Present load rating of L75 or 68 tonnes to continue.



07/09/2017

P.Eng Seal

2046

CHEHALIS-MYSTERY 10.3km

2017 Inspection



CBR iPad Offline Ver 0.26

Approach

Alignment Fair

 Bridge Ahead Signs
Missing ☐ 0 ☒ 1 ☐ 2

Brushing Required Y Minor

 Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills Good Cap/wall combo

Piles or Posts Unrated Buried in riprap

Ballast Wall Good

Wing Wall

Bracing Unrated Buried

Hardware Fair

Fill Good

Riprap Good

Bearings Good

Corrosion Protection Unrated Buried

2046

CHEHALIS-MYSTERY 10.3km

2017 Inspection

CBR iPad Offline Ver 0.26



Deck

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Fair to poor as damage to left bank slabs at surface

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Damage to 1 riser noted - missing bolt

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

2046

CHEHALIS-MYSTERY 10.3km

2017 Inspection



CBR iPad Offline Ver 0.26

Steel/Concrete

Serial/ID Plate

Girders Fair Damage at surface noted at left bank at slab/bank interface

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors Fair 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
-----------------	---------	--------	---------------	----------------	-----------	---------

2046

CHEHALIS-MYSTERY 10.3km

2017 Inspection

CBR iPad Offline Ver 0.26



Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments Tracked machinery has damaged 3 of 4 slabs at the left bank

Repairs and Monitoring

Repair		Repair Description
Item	Priority	
1	Medium	Replace/repair damaged riser
2	Medium	Repair damage to concrete slabs noted at left bank
3	Medium	Post missing bridge ahead sign

Item	Monitor Description	Frequency
1	Damage to slabs	Routine Inspection
2		
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Significant surface damage at left approach - no sign of damage to underside of slabs



Deck



Approach from Right Bank when facing downstream



Looking upstream from deck



Damage to upstream right bank riser



Looking downstream from deck



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream