CK-2021	CHEHALIS 10.6km	2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude	Longitude
49°19'28.09"	-121°59'10.8"

Road Name	CHEHALIS
User km	10.6
Current Load Rating (tonnes)	136
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Concrete Cast in Place
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	19
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°19'28.32"	-121°59'10.91"

HD Diff. (m)	7.0	Accuracy (m)	5

Chehalis	
10.4	
136	
Permanent Bridge	
N	
Steel I-beam	
Concrete Composite	
Concrete Cast in Place	
Steel Pipe and Precast Pad	
1	
21.6	
4.9	

Inspection

Date of Inspection 2014-09-09 9:35:03 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

Replace missing delineator. Present load rating of L150 or 136 tonnes to continue.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
#35995
P.Eng Seal

Dec 5/2014

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Approach

Alignment	Fair	tight HC both approaches
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	Fair	
Posted Load Rating	136	
Road Surface	Fair	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	Fair	CIP left bank - some scour that should be monitored and on opposite side of stream flow
Caps or Sills	Fair	steel plates and rubber pads right bank, concrete left - old CIP on both sides still being utilized as protection from scour
Piles or Posts	Fair	
Ballast Wall	Fair	
Wing Wall	Fair	downstream right
Bracing	Fair	
Hardware	N/A	
Fill	Fair	
Riprap	Fair	
Bearings	Fair	skewed left side

Corrosion Protection	Fair	

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	7 panels, flared on downstream both approaches - skewed on left bank and on grade
Grout Pockets	Fair	
Deck Joints	Fair	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Girders	Fair	
Diaphragms	Fair	2 internal only, bolted
Bracing	Fair	1 set of horizontal bracing on right side
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)	Comment

Hazards

Estimated Present Water Level Depth (m)	0.5	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	9.5	Aggradation ☐	Scour ☒
Estimated High Water Level Clearance (m)	2.5	Ice ☐	

Comments: large boulders in stream - stream has high transport potential

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	replace missing delineator
2		
3		

Monitor Item	Monitor Description	Monitoring Frequency
1	scour under CIP abutment on left bank	Routine Inspection
2		
3		

Sketch (Select Signature)

FileName: CBR iPad Offline Ver 0.17

CK-2021 CHEHALIS 10.6km 2014 Inspection

Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

CK-2021 CHEHALIS 10.6km 2014 Inspection

Deck

Left Bank Abutment when facing downstream

superstructure

Upstream Profile

CK-2021 CHEHALIS 10.6km 2014 Inspection

downstream left bank bearing

upstream left bank bearing

Right Bank Abutment when facing downstream