CK-2085	CHILLIWACK SOUTH 0.1km	2016 Inspection

CBR iPad Offline Ver 0.23

CBR Data

Latitude	Longitude
49°5'39.99"	-121°34'57.4"

Crossing Name	Chilliwack River
FSR #	5127
Branch #	26
Road Name	CHILLIWACK SOUTH
User km	0.1
Current Load Rating (tonnes)	81
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Concrete Cast in Place
Abutment Right	Concrete Cast in Place
Spans	1
Total Length (m)	34.8
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
49°5'40.61"	-121°34'57.24"

HD Diff. (m)	19.3	Accuracy (m)	10

Inspection

Date of Inspection	2016-07-27 2:31:36 PM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

Replace running strips; replace guardrail and risers; brush approaches; replace missing delineators and post bridge ahead signs. The present load rating of L90 or 81 tonnes to continue.

23/01/2017

P.Eng Seal

Approach

Alignment	Good	
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		not posted
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	Good	
Caps or Sills	Good	
Piles or Posts	N/A	
Ballast Wall	Good	
Wing Wall	Good	
Bracing	N/A	
Hardware	Poor	loose rail bolts
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection	N/A	

Deck

Running Surface	N/A	
Running Planks	Poor	some really rotten
Sub Deck	Good	treated
Ties	Good	treated
Nails	Poor	protruding on planks
Deck to Girder Bolts	Good	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	rotting
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	due to planks and guardrail
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate		
Girders	Fair	minor corrosion
Diaphragms	Fair	minor corrosion
Bracing	Fair	minor corrosion
Under Trussing	N/A	
Hardware	Good	galavanized bolts
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

Hazards

Estimated Present Water Level Depth (m)	1.0	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	25.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	2.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	replace running planks
2	High	replace guardrail
3	Medium	brush approaches
4	Medium	replace missing delineators and post bridge ahead signs

Item	Monitor Description	Frequency
1	bearing bolt condition	
2		
3		

Sketch
(Select Signature)

CK-2085 CHILLIWACK SOUTH 0.1km 2016 Inspection

Approach from Right Bank when facing downstream

Deck

missing block on fender

Deck

CK-2085 CHILLIWACK SOUTH 0.1km 2016 Inspection

Approach from Left Bank when facing downstream

upstream left bank bearing

upstream left bank wing wall

deck from underneath

CK-2085 CHILLIWACK SOUTH 0.1km 2016 Inspection

downstream left bank wing wall

upstream right bank wing wall

conk growing on guardrail

Left Bank Abutment when facing downstream

downstream right bank wing wall