CK-2490	CHILLIWACK SOUTH 1.4km	2016 Inspection

CBR iPad Offline Ver 0.23

CBR Data

Latitude	Longitude
49°5'41.49"	-121°34'7.7"

Crossing Name	Back Channel
FSR #	5127
Branch #	26
Road Name	CHILLIWACK SOUTH
User km	1.4
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)	7.4
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°5'41.65"	-121°34'8.36"

HD Diff. (m)	14.1	Accuracy (m)	5
Total Length (m)	8.0		

Inspection

Date of Inspection	2016-07-27 12:37:31 PM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

Clean sediment off deck and post bridge ahead signs. The present load rating of L75 or 68 tonnes to continue.

P.Eng Seal

Approach

Alignment	Good	
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	
Posted Load Rating		not posted
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	Good	integrated cap/wall
Piles or Posts	Unrated	buried
Ballast Wall	Good	integrated cap/wall
Wing Wall	Good	single row of lock blocks retaining fill
Bracing	Unrated	buried
Hardware	Fair	
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection	N/A	

Deck

Running Surface	Good
Running Planks	N/A
Sub Deck	N/A
Ties	N/A
Nails	N/A
Deck to Girder Bolts	N/A
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	Fair
Hand Rails/Walkouts	N/A
Hardware	N/A
Overall Deck Condition	Fair
Gravel Depth (mm)	

Steel/Concrete

Serial/ID Plate		
Girders	Good	3 concrete slabs with welded shear keys
Diaphragms	N/A	
Bracing	N/A	
Under Trussing	N/A	
Hardware	N/A	
Welded/grouted shear connectors	Good	

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)	0.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	3.5	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	1.5	Ice ☐	

Comments: 80% of the flow is going through 900mm CSP

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	post bridge ahead signs
2	Medium	clean sediment off deck
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

CK-2490 CHILLIWACK SOUTH 1.4km 2016 Inspection

Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

Deck

Upstream Profile

CK-2490 CHILLIWACK SOUTH 1.4km 2016 Inspection

channel being diverted through 900mm CSP, taking 80% of the flow

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

sediment on deck against guardrail