BC Ministry of Forests, Lands, and Natural Resource Operations

Log Stringer Bridge Inspection Report

Date Printed: 2020/01/29
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001B

Structure #:	CK-2524	**Site #:**	CK-2524	**Road Name:**	BIG SILVER	**Inspection Date:**	2019/08/20

KM:	0.30	**User km:**	0.30	**Crossing Name:**	Big Silver River	**Next Inspection Date:**	2021/08/20
Project File ID #:	5748	**Br.**	30	**Forest District:**	Chilliwack Natural Resource District		

Deck Type:	Timber - Untreated	**Running Surface:**	Timber Planks
Superstructure	Steel I-beam	**Abutments (looking downstream)** Left	Steel Pipe and Precast Pad
		Right	Crib, Log or Untreated Timber

Total Length (metres):	50.3	**# Spans:**	2	**Span Length(s) (metres):**	40.6, 8.5
UTM Zone:	10	**UTM Easting:**	584909	**UTM Northing:**	5495763

Inspector Name:	Tyson Miller	**Year Superstructure Installed:**	2014
Access:			

ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	Treated timbers left bank, logs right bank
Corrosion Protection	Good	
Caps or Sills	Unrated	only for pier
Fill	Good	
Hardware	Good	
Log/Timber Cribs	Good	right bank only - 6 face logs, tight
Piles or Posts	Good	Pier and left bank only
Riprap	Good	
Tie-backs	Good	1 single tieback upstream right bank has sheared, no movement in face log
Wing Wall	Fair	Right bank only

APPROACHES

Alignment	Fair	HC and VC both approaches
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Poor	None at right approach

Corporate Bridge Register (CBR)

Disclaimer:
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2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.

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Posted Load Rating	91000	
Road Surface	Fair	
DECK		
Span 1		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Fair	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Good	
Ties	Good	
Span 2		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Fair	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Good	
Ties	Good	
PIERS		
Pier 1		
Bearings	Good	
Bracing or Sheathing	Good	
Caps	Good	concrete cap, form to repair small damage still on cap
Overall	Good	
Piles or Posts	Good	4 round piles, outside ones angled
Riprap	Good	
SUPERSTRUCTURE		
Span 1		

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Bracing	Good	
Diaphrams	Good	3 welded bays
Girders	Good	jump span
Span 2		
Bracing	Fair	
Diaphrams	Fair	8 bays
Girders	Fair	main span girders reused from previous install and modified for jump span bearing

CHANNEL

Estimated Present Water Level Depth:	2.0	**Estimated Present Water Level Width:**	25.0
Estimated High Water Level Clearance:	4.0		

HAZARDS

High Water:	No	**Scour:**	No	**Ice:**	No	**Debris:**	No	**Aggradation:**	No

Comment:

REPAIRS

#	Status	Priority	Estimate	Description
1	Required	Low	$ 100.00	Replace all delineators
2	Required	Medium	$2000.00	replace missing fender logs at right approach

MONITORS

#	Description
1	Monitor tieback and face log condition at right bank

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T.W. MILLER
38995
2020-01-29

GENERAL

Inspector's Comment: Upstream right bank tieback broke near end - no apparent change/shift in the crib condition from previous years - continue to monitor. Broken tieback is located outside upstream girder bearing location.

GENERAL

PEng's Comment: Replace all 4 delineators and replace missing fender logs at the right approach. Continue to monitor the condition of the crib where the broken tieback is located. The current load rating of L100 or 91 tonnes to continue.

GENERAL

Replacement Date for full log haul traffic (year):	2035	**Replacement Date for light vehicle traffic (year):**	2035		
Current Inspection Load Rating:	91	**Design Load GVW (tonnes):**		**Design Vehicle Config.:**	L100
Professional Inspection Required?	No	**Report Status:**	Reviewed By Tyson Miller on 2020/01/29 09:05:59		

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Approach from Left Bank when facing downstream

Planks wearing at approaches

Deck

Upstream from Crossing

Stream side of pier

Downstream from Crossing

Tieback end sheared off upstream right bank

Approach from Right Bank when facing downstream

Structure ID

Superstructure

Main span to jump span bearing seat

Ties and subdeck condition from underneath

Town side of pier

Pier cap

Left Bank Abutment when facing downstream