Date Printed: 2013/11/08
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001B

BC Ministry of Forests and Range

Log Stringer Bridge Inspection Report

Structure #:	CK-2253	**Site #:**	CK-2253	**Road Name:**	SQUEAH	**Inspection Date:**	2013/11/06
KM:	3.20	**User km:**	3.20	**Crossing Name:**	not known	**Next Inspection Date:**	2014/11/06
Project File ID #:	6092	**Br.**	01	**Forest District:**	Chilliwack Forest District		

Deck Type:	Timber - Treated - Panels	**Running Surface:**	Timber Planks
Superstructure	Rail Car	**Abutments (Left/Right):**	Crib, Log or Untreated Timber

Total Length *(metres)*:	15.1	**# Spans:**	1	**Span Length(s)** *(metres)*:	0
UTM Zone:	10	**UTM Easting:**	614628	**UTM Northing:**	5474788
Inspector Name:	T. Miller	**Year Built:**		2007	

Access: Updated by M.Kirk, Onsite Engineering Ltd, Feb 2011

ABUTMENTS

Bearings	Poor	cracked sill
Bracing	Not Applicable	
Ballast Wall	Poor	none for railcars
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	log cracking D/S right
Fill	Fair	
Hardware	Poor	loose lashing
Log/Timber Cribs	Poor	rotten
Piles or Posts	Not Applicable	
Riprap	Poor	only at inlet, none in front of crib
Tie-backs	Poor	rotten
Wing Wall	Not Applicable	

APPROACHES

Alignment	Poor	VC and HC limits visibility on left appraoch
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left	0	
Delineator Missing Right	1	
Fender Condition	Poor	old logs, missing D/S
Posted Load Rating	4.5	4500 kgs
Road Surface	Poor	potholes

DECK

Span 1

Curb Rail/Blocks/Posts	Poor	rotten

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Deck to Girder Bolts	Poor	none
Hardware	Poor	loose
Hand Rails/Walkouts	Not Applicable	
Nails	Poor	protruding
Overall Deck Condition	Poor	replace
Running Planks	Not Applicable	
Sub Deck	Poor	rotten with holes
Ties	Poor	rotten

SUPERSTRUCTURE

Span 1

Bracing	Poor	riveted railcar
Hardware	Not Applicable	riveted railcar

CHANNEL

Estimated Present Water Level Depth:	0.3	**Estimated Present Water Level Width:**	4.5
Estimated High Water Level Clearance:	3.0		

HAZARDS

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

Comment:

REPAIRS

#	Status	Priority	Estimate	Description
1	Recommended	High	$1.00	replace entire structure soon
2	Recommended	High	$1.00	update laod rating sign

MONITORS

#	Description
1	deck, sill and crib condition

GENERAL

Professional Inspection Required?	No	**Regional Review Date:**	2013/11/07	**P. Eng Reviewer Name:**	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2008	**Replacement Date for light vehicle traffic** *(year)*:	2013		
Current Load Rating GVW *(tonnes)*:	2	**Design Load GVW** *(tonnes)*:	68	**Design Vehicle Config.:**	L75
Inspector's Estimated Full Log Haul Replacement *(year)*:					

Inspector's Comment:

PEng Reviewer's Comment: Replace entire structure soon. 2 tonnes load rating. Update load rating sign.

Nov 8/2013

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
35995

BRITISH COLUMBIA RAILWAY