



BC Ministry of Forests and Range

Log Stringer Bridge Inspection Report

Page 1 of 3
Date Printed: 2013/11/13
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001B

Structure #:	CK-2254	Site #:	CK-2254	Road Name:	SQUEAH	Inspection Date:	2013/11/06
KM:	6.10	User km:	6.60	Crossing Name:	not known	Next Inspection Date:	2015/11/06
Project File ID #:	6092	Br.	01	Forest District:	Chilliwack Forest District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Superstructure	Rail Car			Abutments (Left/Right):	Crib, Log or Untreated Timber		
Total Length (metres):	15.3	# Spans:	1	Span Length(s) (metres):	0		
UTM Zone:	10	UTM Easting:	615581	UTM Northing:	5477654		
Inspector Name:	T. Miller		Year Built:	1996			
Access:	Updated by M.Kirk, Onsite Engineering Ltd, Feb 2011						

ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Poor	none for railcar
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	logs, not peeled, +/- 2 meters behind old log crib
Fill	Fair	
Hardware	Not Applicable	
Log/Timber Crib	Poor	rotten, 3x
Piles or Posts	Not Applicable	
Riprap	Poor	failing
Tie-backs	Poor	rotten, 4x
Wing Wall	Not Applicable	

APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left	2	
Delineator Missing Right	2	
Fender Condition	Fair	single lock block at each corner
Posted Load Rating	not	not posted
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 and holes starting									
Ties	Poor	rotten and undersized									
SUPERSTRUCTURE											
Span 1											
Bracing	Unrated	can't see due to log stringers underneath									
Hardware	Unrated	can't see due to log stringers underneath									
CHANNEL	Estimated Present Water Level Depth:		0.4	Estimated Present Water Level Width:		5.0					
	Estimated High Water Level Clearance:		2.0								
HAZARDS	High Water:	No	Scour:	Yes	Ice:	No	Debris:	No	Aggradation:	No	
	Comment:										
REPAIRS	#	Status	Priority	Estimate	Description						
	1	Recommended	High	\$1.00	Post load rating sign						
	2	Recommended	High	\$1.00	remove all log stringers ASAP						
MONITORS	#	Description									
	1	Monitor stream flow, especially during/following heavy precipitation events, to ensure no scour/damage to abutments.									
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:		The broken log stringers may redirect flows into the abutments during high flows and put the structure at risk of failing. Because of this risk I recommend removing all the log stringers prior to the fall/winter rainfall and runoff. At a minimum weekly inspections will be required to monitor flows to ensure no damage to the remaining structure until it can be removed (remove ASAP). 2 tonnes load rating to continue until further notice, please post.								



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	District Staff Comment:						

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Nov 13/2013









