Date Printed: 2013/11/05
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001B

BC Ministry of Forests and Range

Log Stringer Bridge Inspection Report

Structure #:	CK-2300	**Site #:**	CK-2300	**Road Name:**	UZTLIUS CREEK	**Inspection Date:**	2013/10/11
KM:	30.80	**User km:**	13.40	**Crossing Name:**	not known	**Next Inspection Date:**	2014/10/11
Project File ID #:	7972	**Br.**	01	**Forest District:**	Chilliwack Forest District		

Deck Type:	Timber - Untreated			**Running Surface:**	Timber Planks
Superstructure	Steel I-beam			**Abutments (Left/Right):**	Crib, Log or Untreated Timber
Total Length *(metres)*:	12.2	**# Spans:**	1	**Span Length(s)** *(metres)*:	0
UTM Zone:	10	**UTM Easting:**	627294	**UTM Northing:**	5523939
Inspector Name:	T. Miller	**Year Built:**		1999	

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

ABUTMENTS

Bearings	Fair	log sills sit approx 2 meters behind crib on left and 3 meters behind on right
Bracing	Not Applicable	
Ballast Wall	Poor	non existent for steel girders
Caps or Sills	Fair	log sills for steel girders
Fill	Poor	failing at approaches due to lack of ballast wall
Hardware	Not Applicable	
Log/Timber Cribs	Fair	
Piles or Posts	Not Applicable	
Riprap	Poor	none in front of crib
Tie-backs	Poor	rotting
Wing Wall	Not Applicable	

APPROACHES

Alignment	Fair	HC right approach
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left	2	
Delineator Missing Right	1	
Fender Condition	None	
Posted Load Rating	not	not posted
Road Surface	Fair	

DECK

Span 1

Curb Rail/Blocks/Posts	Poor	damaged D/S right, steel risers
Deck to Girder Bolts	Fair	lag bolted

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Hardware	Poor	some of the steel risers have sheared through the ties on damaged portion of guardrail
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Poor	due to rail
Running Planks	Not Applicable	
Sub Deck	Fair	fair to poor as some holes starting to show
Ties	Fair	fair; however some have been damaged where guardrail fell off

SUPERSTRUCTURE

Span 1

Bracing	Fair	welded
Diaphrams	Fair	welded
Girders	Fair	2 steel I beams
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL

Estimated Present Water Level Depth:	0.3	**Estimated Present Water Level Width:**	2.5
Estimated High Water Level Clearance:	4.0		

HAZARDS

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

Comment:

REPAIRS

#	Status	Priority	Estimate	Description
1	Recommended	High	$1.00	replace rotten/damaged ties and running deck
2	Recommended	High	$1.00	place fenders or concrete no post barriers at approaches
3	Recommended	Medium	$1.00	post bridge ahead signs

MONITORS

#	Description
1	crib scour and stringer failure

GENERAL

Professional Inspection Required?	No	**Regional Review Date:**	2013/11/05	**P. Eng Reviewer Name:**	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2021	**Replacement Date for light vehicle traffic** *(year)*:			
Current Load Rating GVW *(tonnes)*:	68	**Design Load GVW** *(tonnes)*:	68	**Design Vehicle Config.:**	L75
Inspector's Estimated Full Log Haul Replacement *(year)*:					

Inspector's Comment:

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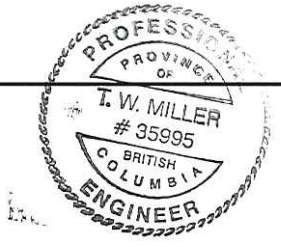
PEng Reviewer's Comment:	Replace damaged ties and rotten portions of running planks. Replace damaged section of guardrail. Install ballast walls at both approaches in order to properly retain fill. Place fenders at both approaches and install bridge ahead signs. Load rating of L75 or 68 tonnes subject to work being completed. Monitor crib scour and eventual stringer failure.
District Staff Comment:	



Nov 5/2013

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