



BC Ministry of Forests and Range

Log Stringer Bridge Inspection Report

Page 1 of 3

Date Printed: 2013/11/19

User Id: IDIR\TYSMILLE

Database: PROD

Report Id: CBR001B

Structure #:	CK-2121	Site #:	CK-2121	Road Name:	BEAR CREEK	Inspection Date:	2013/10/10
KM:	7.40	User km:	7.40	Crossing Name:	Bear Creek	Next Inspection Date:	2014/10/10
Project File ID #:	5748	Br.	03	Forest District:	Chilliwack Forest District		
Deck Type:	Steel	Running Surface:	Anti-skid				
Superstructure	Steel Box Beam	Abutments (Left/Right):	Crib, Log or Untreated Timber				
Total Length (metres):	15.0	# Spans:	1	Span Length(s) (metres):	14.5		
UTM Zone:	10	UTM Easting:	594143	UTM Northing:	5478691		
Inspector Name:	T. Miller	Year Built:	1988				
Access:	Drive on road north of Harrison Hot Springs. This road connects to Harrison East FSR. Turn right off of Harrison East onto Harrison East Bear Creek FSR						

ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Unrated	can't see
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	100mm x 300mm timber and settling
Fill	Poor	failing at right approach
Hardware	Not Applicable	
Log/Timber Cribbs	Poor	2x open face, old and rotten
Piles or Posts	Not Applicable	
Riprap	Fair	
Tie-backs	Poor	3x, old and rotten
Wing Wall	Not Applicable	

APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left	2	
Delineator Missing Right	2	
Fender Condition	Poor	old logs
Posted Load Rating	not	not posted
Road Surface	Fair	

DECK

Span 1

Curb Rail/Blocks/Posts	Good	HSS
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Hardware	Not Applicable										
Hand Rails/Walkouts	Not Applicable										
Overall Deck Condition	Fair										
Running Surface	Fair		sediment on deck								
Steel Deck Plate	Fair										
SUPERSTRUCTURE											
Span 1											
Bracing	Unrated		internal								
Diaphragms	Unrated		internal								
Girders	Fair		differential settlement of the panels								
Hardware	Not Applicable										
Under Trussing	Not Applicable										
CHANNEL	Estimated Present Water Level Depth:		0.5		Estimated Present Water Level Width:		8.0				
	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						
MONITORS	#	Description									
	1	crib scour									
	2	stringer failure									
	3	differential settlement on the panels									
GENERAL	Professional Inspection Required?		No	Regional Review Date:		2013/11/19	P. Eng Reviewer Name:		Tyson Miller		
	Replacement Date for full log haul traffic (year):			2013		Replacement Date for light vehicle traffic (year):					
	Current Load Rating GVW (tonnes):			Design Load GVW (tonnes):			Design Vehicle Config.:				
	Inspector's Estimated Full Log Haul Replacement (year):										
	Inspector's Comment:										
	PEng Reviewer's Comment:		The steel indicates L75 loading, send fabrication drawings and record drawings to CEG. Due to the condition of the log cribs and log stringers under the steel superstructure I recommend replacing the abutments prior to industrial use. Monitor the crib condition and the log stringers for eventual failure.								
Corporate Bridge Register (CBR)											



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District Staff Comment:							

Full
Nov 19/2013







