Date Printed: 2013/09/27
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001B

BC Ministry of Forests and Range

Log Stringer Bridge Inspection Report

Structure #:	CK-2157	**Site #:**	CK-2157	**Road Name:**	LORENZETTA HUNTER	**Inspection Date:**	2013/09/05
KM:	2.20	**User km:**	2.20	**Crossing Name:**	Hunter Creek	**Next Inspection Date:**	2014/09/05
Project File ID #:	6086	**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)*:	32.9	**# Spans:**	1	**Span Length(s)** *(metres)*:	32.1
UTM Zone:	10	**UTM Easting:**	604015	**UTM Northing:**	5466588
Inspector Name:	T. MIller	**Year Built:**		1986	

Access: Driving east from Chilliwack on Highway #1 turn right onto Lorenzetta-Hunter Creek FSR

ABUTMENTS

Bearings	Fair	on right abutment the steel girders bear just in front of Center of crib (100mm). The even bearing is dependent of the tiebacks - monitorannually for settlement especially while hauling
Bracing	Not Applicable	
Ballast Wall	Fair	logs
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	steel I-beam on creosoted timbers - I-beam bolted to timbers and steel gircers
Fill	Fair	
Hardware	Poor	no lashing visible
Log/Timber Cribs	Fair	3x
Piles or Posts	Not Applicable	
Riprap	Fair	
Tie-backs	Fair	some pocket rot detected - 6x but bearing between 4
Wing Wall	Not Applicable	

APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left	0	
Delineator Missing Right	0	
Fender Condition	None	
Posted Load Rating	not	posted
Road Surface	Fair	

DECK

Span 1

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Curb Rail/Blocks/Posts	Fair	minor damage on downstream right approach - riser only on 1 tie
Deck to Girder Bolts	Fair	
Hardware	Fair	rail bolts getting loose
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	treated
Ties	Good	treated

SUPERSTRUCTURE

Span 1

Bracing	Fair	between each diaphram - bolted
Diaphrams	Fair	11 bays - bolted and galvanized
Girders	Fair	2 steel I-beams
Hardware	Fair	
Under Trussing	Not Applicable	

CHANNEL

Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	10.0
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	Recommended	High	$1.00	install log fenders
2	Recommended	Medium	$1.00	post bridge ahead and load rating signs

MONITORS

#	Description
1	abutments

GENERAL

Professional Inspection Required?	No	Regional Review Date:	2013/09/27	P. Eng Reviewer Name:	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2006	Replacement Date for light vehicle traffic *(year)*:			
Current Load Rating GVW *(tonnes)*:	54	Design Load GVW *(tonnes)*:	54	Design Vehicle Config.:	L60
Inspector's Estimated Full Log Haul Replacement *(year)*:					

Inspector's Comment:

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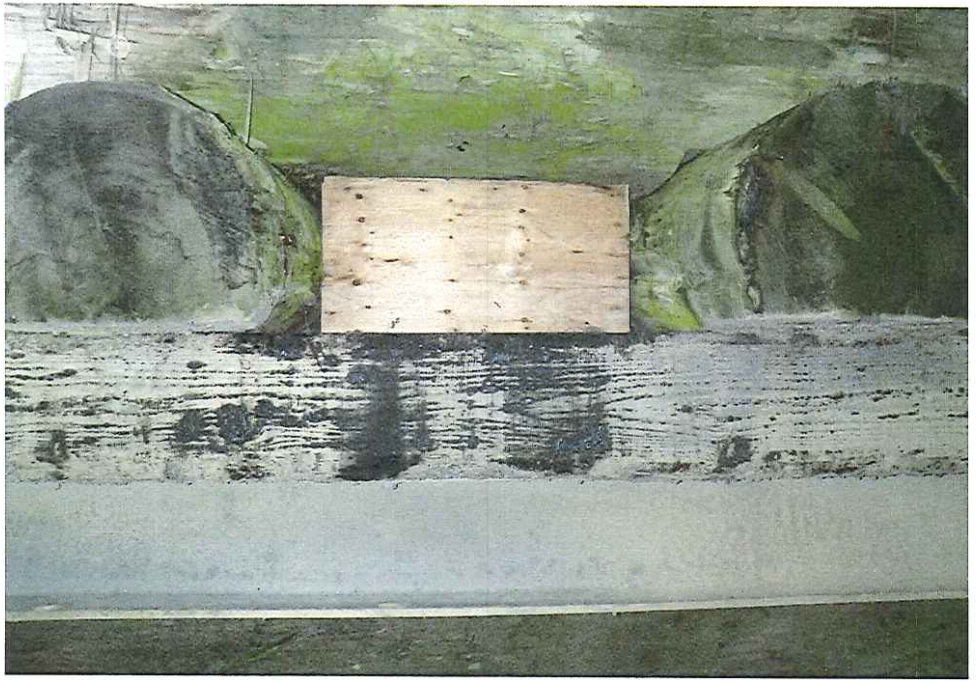
PEng Reviewer's Comment:	Place log fenders prior to industrial activity and post bridge ahead and load rating signs. Monitor abutment condition especially while hauling. Present load rating of L60 or 54 tonnes to continue.
District Staff Comment:	

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

Sept 27/2013