Date Printed: 2013/09/13
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001A

BC Ministry of Forests and Range

Permanent Bridge Inspection Report

Structure #:	CK-2158	**Site #:**	CK-2158	**Road Name:**	LORENZETTA HUNTER	**Inspection Date:**	2013/09/05
KM:	4.90	**User km:**	4.90	**Crossing Name:**	East Fork 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):**	Concrete Cast in Place/Concrete Lock Block

Total Length *(metres)*:	21.4	**# Spans:**	1	**Span Length(s)** *(metres)*:	20.8
UTM Zone:	10	**UTM Easting:**	605769	**UTM Northing:**	5464996
Inspector Name:	T. Miller	**Year Built:**		2002	

Access: Driving East from Chilliwack on Highway #1 turn right onto Lorezetta-Hunter Creek FSR
Updated by M.Kirk, Onsite Engineering Ltd, Jan 2011

ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	timbers
Concrete Cast in Place	Fair	right side
Concrete Lock Blocks	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	timbers
Fill	Fair	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	scour noted left side
Wing Wall	Not Applicable	

APPROACHES

Alignment	Fair	HC both approaches
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left	0	
Delineator Missing Right	1	
Fender Condition	Fair	
Posted Load Rating	not	not posted
Road Surface	Fair	

DECK

Span 1

Curb Rail/Blocks/Posts	Poor	steel riser bolted to ties, and some ties have sheared

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

SUPERSTRUCTURE

Span 1

Bracing	Fair	
Diaphrams	Fair	6 bays - welded
Girders	Fair	2 steel I-beams
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL

Estimated Present Water Level Depth:	0.4	**Estimated Present Water Level Width:**	6.0
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 ties, subdeck, wear planks and guardrail
2	Recommended	High	$1.00	post load rating
3	Recommended	Medium	$1.00	post bridge ahead sign and missing delineator

MONITORS

#	Description
1	left abutment
2	hairline cracks in CIP

GENERAL

Professional Inspection Required?	No	**Regional Review Date:**	2013/09/13	**P. Eng Reviewer Name:**	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2042	**Replacement Date for light vehicle traffic** *(year)*:	2042		
Current Load Rating GVW *(tonnes)*:	5	**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 ties, subdeck, wear planks and guardrail system prior to use. Install bridge ahead sign and missing delineator. Monitor scour noted on left riprap and cracks on CIP abutment. 5 tonnes load limit until deck and guardrail replaced, please post.
District Staff Comment:	

Sept 13/2013

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