



BC Ministry of Forests and Range

Log Stringer Bridge Inspection Report

Page 1 of 4

Date Printed: 2015/02/19

User Id: IDIR\TYSMILLE

Database: PROD

Report Id: CBR001B

File:

Structure #:	CK-2261	Site #:	CK-2261	Road Name:	STAVE RIVER	Inspection Date:	2014/12/02
KM:	8.50	User km:	8.50	Crossing Name:	Winslow Creek	Next Inspection Date:	2015/12/02
Project File ID #:	8013	Br.	01	Forest District:	Chilliwack Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Superstructure	Steel I-beam			Abutments (Left/Right): (looking downstream)	Crib, Log or Untreated Timber		
Total Length (metres):	36.3	# Spans:	2	Span Length(s) (metres):	0, 0		
UTM Zone:	10	UTM Easting:	555324	UTM Northing:	5480782		
Inspector Name:	T. Miller			Year Superstructure Installed:	1986		
Access:	Updated by M.Kirk, Onsite Engineering Ltd, Feb 2011						

ABUTMENTS

Bearings	Poor	top logs crushing
Bracing	Not Applicable	
Ballast Wall	Fair	logs left abutment, concrete right abutment
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	fair to poor
Fill	Fair	
Hardware	Poor	loose lashing
Log/Timber Crib	Poor	4x left, 5x right - top crib logs are rotting
Piles or Posts	Not Applicable	
Riprap	Poor	very little riprap
Tie-backs	Fair	fair to poor
Wing Wall	Poor	only left abutment and slumping

APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	right downstream approach no posts have been knocked off the road
Posted Load Rating	not	not posted
Road Surface	Good	

Corporate Bridge Register (CBR)

Disclaimer:

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- 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



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DECK

Span 1

Curb Rail/Blocks/Posts	Fair	some risers and guardrail in poor shape - some must have been replaced
Deck to Girder Bolts	Fair	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Not Applicable	
Sub Deck	Fair	
Ties	Fair	200mm x 300mm - some are showing signs of rot

Span 2

Curb Rail/Blocks/Posts	Fair	some risers and guardrail in poor shape - some must have been replaced
Deck to Girder Bolts	Fair	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Not Applicable	
Sub Deck	Fair	
Ties	Fair	200mm x 300mm - some are showing signs of rot

PIERS

Pier 1

Bearings	Poor	cracked on left span and rotting on right span
Bracing or Sheathing	Not Applicable	
Caps	Poor	rotting and crushing logs
Cribs	Poor	5x - and rotting
Dolphins	Not Applicable	
Hardware	Fair	
Overall	Poor	top logs especially in poor shape
Piles or Posts	Fair	short pipe risers on left span
Riprap	Fair	

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Wall	Not Applicable
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SUPERSTRUCTURE

Span 1

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	left span approx 50mm higher than right span
Hardware	Not Applicable	
Under Trussing	Not Applicable	

Span 2

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	12.0		

HAZARDS	High Water:	No	Scour:	Yes	Ice:	No	Debris:	Yes	Aggradation:	Yes
	Comment:									

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	High	\$1.00	POST LOAD RATING SIGN!

MONITORS	#	Description
	1	Debris accumulations at inlet

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GENERAL	Inspector's Comment:	The top crib logs on the abutments and pier are in poor shape (rotting and crushing). Present load rating of 30 tonnes to continue. Monitor debris accumulations at the inlet.					
	Replacement Date for full log haul traffic (year):	2015	Replacement Date for light vehicle traffic (year):				
	Current Inspection Load Rating:	30.00	Design Load GVW (tonnes):			Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status: Accepted By Tyson Miller on 2/19/2015 12:07:08PM				



Handwritten signature and date:
Feb 19 / 2015

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CK-2261

STAVE RIVER 8.5km

2014 Inspection



Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Left Bank Abutment when facing downstream



top crib log on left abutment

CK-2261

STAVE RIVER 8.5km

2014 Inspection



some ties in fair to poor shape



top crib log of pier, on left side in poor shape



pier



debris at inlet

CK-2261

STAVE RIVER 8.5km

2014 Inspection



Downstream Profile



wing wall left approach downstream



conk on guardrail



rotten and splitting risers

CK-2261

STAVE RIVER 8.5km

2014 Inspection



Right Bank Abutment when facing downstream



right side of pier



right span pier bearing



right span steel I'd

CK-2261

STAVE RIVER 8.5km

2014 Inspection



right span superstructure



left span superstructure



more ties that are rotting



top crib log on right abutment Fd and in relatively poor shape