



BC Ministry of Forests, Lands, and Natural Resource Operations

Log Stringer Bridge Inspection Report

Page: 1 of 3
Date Printed: 2019/11/18
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001B

Structure #:	CK-2261	Site #:	CK-2261	Road Name:	STAVE	Inspection Date:	2019/11/04
KM:	8.50	User km:	7.50	Crossing Name:	Winslow Creek	Next Inspection Date:	2019/06/06
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 (looking downstream)	Left Right	Crib, Log or Untreated Timber Crib, Log or Untreated Timber	
Total Length (metres):	36.3	# Spans:	2	Span Length(s) (metres):	12.8, 21		
UTM Zone:	10	UTM Easting:	555312	UTM Northing:	5480773		
Inspector Name:	Tyson Miller		Year Superstructure Installed:	1986			
Access:	Updated by M.Kirk, Onsite Engineering Ltd, Feb 2011						

ABUTMENTS

Bearings	Poor	top face log in pier for left span continues to degrade
Bracing	Not Applicable	
Ballast Wall	Fair	Concrete right bank and logs left
Fill	Poor	Fill within the left bank crib continues to erode in high flows
Hardware	Poor	Loose lashing and rotten components
Log/Timber Crib	Poor	Rotten
Riprap	Poor	no riprap in front of left crib and fill continues to erode from within
Tie-backs	Poor	Rotten
Wing Wall	Poor	Rotten with alder growing within

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	Poor	downstream right and left approach barriers failed off road surface
Posted Load Rating	not	not posted
Road Surface	Good	

DECK

Corporate Bridge Register (CBR)

Disclaimer:

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Span 1

Curb Rail/Blocks/Posts	Poor	Rotten
Deck to Girder Bolts	Fair	
Hardware	Poor	Loose rail bolts and protruding nails
Nails	Poor	Protruding through planks
Overall Deck Condition	Poor	Rotten components
Running Planks	Poor	Heavy wear with holes in deck
Ties	Poor	Visible indications of rot

Span 2

Curb Rail/Blocks/Posts	Poor	Visible rotten risers
Deck to Girder Bolts	Fair	
Hardware	Poor	Loose rail bolts
Nails	Poor	Starting to protrude through planks
Overall Deck Condition	Poor	Rotten
Running Planks	Poor	Better condition than right span but wearing
Ties	Poor	Visible indications of rot

PIERS

Pier 1

Bearings	Poor	uneven at the left span location
Cribs	Poor	rotten with settlement on the left face
Overall	Poor	rotten components
Piles or Posts	Fair	only at the right face location for right span
Riprap	Poor	very little in front

SUPERSTRUCTURE

Span 1

Bracing	Fair	
Diaphragms	Fair	4 welded bays
Girders	Fair	
Hardware	Not Applicable	

Span 2

Bracing	Fair	
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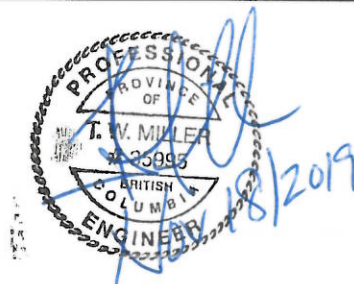


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Diaphragms	Fair	4 welded bays								
Girders	Fair									
CHANNEL	Estimated Present Water Level Depth:	2.0	Estimated Present Water Level Width:	24.0						
	Estimated High Water Level Clearance:	2.5								
HAZARDS	High Water:	No	Scour:	Yes	Ice:	No	Debris:	Yes	Aggradation:	Yes
	Comment:									
REPAIRS	#	Status	Priority	Estimate	Description					
	1	Suggested	High	\$ 200.00	Post load rating sign and block access or remove					
MONITORS	#	Description								
	1	Top face log condition at the left face of Pier								
	2	Timber deck condition								
GENERAL	Inspector's Comment:									
GENERAL	PEng's Comment:	All timber and wooden components within the bridge continue to degrade. The timber deck has holes on the right span with many indications of rot on the ties on both spans. The log cribs are in poor condition and the fill within the left bank crib continues to erode in high flows. The top face log on the pier (left face of crib) is in poor condition and the girders continue to settle through this log, especially at the downstream end. The bridge is now condemned (0 tonnes load rating). Post a load rating sign and block access or remove and replace.								
GENERAL	Replacement Date for full log haul traffic (year):	2012	Replacement Date for light vehicle traffic (year):	2019						
	Current Inspection Load Rating:	0 tonnes	Design Load GVW (tonnes):		Design Vehicle Config.:					
	Professional Inspection Required?	No	Report Status:	In Progress By IDIR\TYSMILLE on 2019/11/18 08:49:18						



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Approach from Right Bank when facing downstream



Downstream right bank barriers missing



Downstream right bank barriers over bank



Deck



Plank condition on right span



Plank condition on right span



Guardrail condition poor



Approach from Left Bank when facing downstream



Downstream left bank barriers failing



Downstream left bank wingwall condition



Left side of pier



Top face log on left side of pier cracked through and girder settling



Left span tie condition



Left Bank Abutment when facing downstream



Downstream left span girder 63mm lower than right span girder



Upstream left span girder 10mm lower than right span girder



Vertical crack in top face log of left face of Pier



Right Bank Abutment when facing downstream



Right span structure ID



Right face of Pier