



BC Ministry of Forests, Lands, and Natural Resource Operations

Bridge Inspection Report

Page: 1 of 3
 Date Printed: 2018/06/25
 User Id: IDIR\TYSMILLE
 Database: PROD
 Report Id: CBR001B

Structure #:	CK-2261	Site #:	CK-2261	Road Name:	STAVE	Inspection Date:	2018/06/06
KM:	8.50	User km:	7.50	Crossing Name:	Winslow Creek	Next Inspection Date:	2019/09/14
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 Crib, Log or Untreated Timber Right Crib, Log or Untreated Timber		
Total Length (metres):	36.3	# Spans:	2	Span Length(s) (metres):	12.8, 21.0		
UTM Zone:	10	UTM Easting:	555312	UTM Northing:	5480773		
Inspector Name:	Tyson Miller			Year Superstructure Installed:	1986		
Access:							

ABUTMENTS

Bearings	Fair	
Ballast Wall	Fair	Concrete on right approach, logs left
Fill	Fair	High water has washed fillout of crib and holes up 3m length noted in left abutment
Log/Timber Crib	Poor	Rotten
Piles or Posts	Unrated	NA
Riprap	Fair	Fair to poor
Tie-backs	Poor	Ends are splitting and rotten
Wing Wall	Poor	Rotting, settling and alder growing from within

APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Poor	Downstream right bank failed off road
Posted Load Rating	not posted	not posted
Road Surface	Fair	

DECK

Span 1

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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Curb Rail/Blocks/Posts	Poor	Rotten
Deck to Girder Bolts	Fair	
Hardware	Poor	Loose rail bolts
Nails	Poor	Protruding
Overall Deck Condition	Poor	Rotten
Running Planks	Poor	Rotten and holes starting to show
Ties	Poor	Rotting - 200mm x 300mm

Span 2

Curb Rail/Blocks/Posts	Poor	Rotten
Deck to Girder Bolts	Fair	
Hardware	Poor	Loose rail bolts
Nails	Fair	
Overall Deck Condition	Poor	Rotten
Running Planks	Poor	Rotting
Ties	Poor	Rotting - 200mm x 300mm

PIERS

Pier 1

Bearings	Poor	appears to be settling on the downstream left span side
Cribs	Poor	Rotten
Overall	Poor	Rotten
Piles or Posts	Fair	only on right side of pier
Riprap	Poor	Little to none in front

SUPERSTRUCTURE

Span 1

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	

Span 2

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	

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Log Stringer Bridge Inspection Report

Page: 3 of 3
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Structure #:	CK-2261	Site #:	CK-2261	Road Name:	STAVE	Inspection Date:	2018/06/06			
CHANNEL	Estimated Present Water Level Depth:		2.0		Estimated Present Water Level Width:		25.0			
	Estimated High Water Level Clearance:		2.0							
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					
MONITORS	#	Description								
	1	substructure condition, especially the pier								
GENERAL	Inspector's Comment:									
GENERAL										
GENERAL	Replacement Date for full log haul traffic (year):			2012	Replacement Date for light vehicle traffic (year):			2020		
	Current Inspection Load Rating:		30	Design Load GVW (tonnes):		54	Design Vehicle Config.:		L60	
	Professional Inspection Required?		No	Report Status:						

PEng's Comment: The entire structure is in poor condition. The top crib log at the downstream left side of the pier is in poor condition and the bridge appears to be settling at this location. Continue to monitor the condition of the log and the corresponding settling of the girder and deck. The present load rating of 30 tonnes can continue; however the road users need to be aware of the issue and I recommend the users complete periodic inspections while using the bridge to ensure no further deterioration of the substructure. If further deterioration of the substructure has been determined please contact the Coast Engineering Group. Post load rating sign and plan to replace the entire structure soon. Monitor debris accumulations at the inlet.



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CK-2261

STAVE 7.5km

2018 Inspection



Approach from Left Bank when facing downstream



Upstream from Crossing



Left bank deck



Downstream from Crossing



Left side of pier



Top crib log on left abutment



Top crib log on left side of pier in poor condition and downstream left span girder 55mm lower than right span



Tieback condition on left abutment



Downstream left bank wingwall



Left span girder 55mm lower than right span at downstream location



Approach from Right Bank when facing downstream



Right span deck condition



Left Bank Abutment when facing downstream



Top log condition on right side of pier



Right side of pier



Structure ID on right span



Right Bank Abutment when facing downstream



Right side of pier



Poor condition of top crib log at downstream left side of pier