BC Ministry of Forests and Range

Routine Condition Bridge Inspection Form
(for log stringer or timber stringer bridges)

GENERAL INFORMATION

(enter either long/lat or UTM below – not both)

*Site #: CK-2265 *Structure #:	*Crossing Name:	*Type/Class: ☐ Major Culvert ☑ Woodbox/Log Culvert	*Project File ID#: 8013 *Br. 01
*FSR Name: Stave River	*Forest District: CK	*Kilometres: 12.05	User km:

Longitude: (ddd / mm / ss.s) W 122° 15' 55.7" OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) N 49° 30' 15"			

LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl., UR = Unrated

Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E (G) F P UR	straight & gentle.
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	Yes (No)	
Delineator Missing Left	(0) 1 2	
Delineator Missing Right	(0) 1 2	
Fender Condition	E (G) F P None UR	Legs > 4/5 <250mm above running surface.
Posted Load Rating	_____(tonnes) or (None)	
Road Surface	E (G) F P UR	

LEFT/RIGHT ABUTMENTS (as seen facing downstream)

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Log/Timber Cribs	E G F P N/A UR	
Tie-backs	E G F P N/A UR	
Bin Wall	E G F P (N/A) UR	
Concrete (cast in place; lock blocks, precast)	E G F P (N/A) UR	
Caps or Sills	E G F P (N/A) UR	
Piles or Posts	E G F P (N/A) UR	
Ballast Wall	E G F P (N/A) UR	
Wing Wall	E G F P (N/A) UR	
Bracing	E G F P (N/A) UR	
Hardware	E G (F) P N/A UR	Lashed
Fill	E G F P N/A UR	
Riprap	E G F P N/A UR	
Bearings	E G F P N/A UR	
Corrosion Protection	E G F P N/A UR	

Span 1 of 1 (spans are numbered consecutively starting from the left abutment)
Use "Additional Spans" Sheet for Multiple Spans

DECK

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Running Surface (N/A if running surface is gravel or timber planks)	E G F P N/A UR	
Running Planks	E G F P N/A UR	
Sub-deck	E G F P N/A UR	
Ties	E G F P N/A UR	
Nails	E G F P N/A UR	
Deck to Girder Bolts	E G F P N/A UR	
Concrete Deck	E G F P N/A UR	
Grout Pockets	E G F P N/A UR	
Deck Joints	E G F P N/A UR	
Steel Deck Plate	E G F P N/A UR	
Gravel Surface	E G F P N/A UR	
Gravel Deck Depth	_____ metres or N/A	
Curb Rail/Blocks/Posts	E G F P UR	
Handrails/ Walkouts	E G F P N/A UR	
Hardware	E G F P N/A UR	
Overall Deck Condition	E G F P UR	

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GENERAL INFORMATION

*Site #: CK-2265 | *Structure #:

SUPERSTRUCTURE (stringers numbered from upstream side of bridge)

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Log Curbs	E G (F) P UR	
Needle Beams and Shims	E G F P (N/A) UR	

Stringer #	Wood Species	Peeled? (circle)	Diameter (mm) or Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments
1		Y N					
2		Y N					
3		Y N		AS BEFORE			
4		Y N					
5		Y N					
6		Y N					Span = 8.5m
7		Y N					Gravel = 500mm
8		Y N					2009 Inspection Diameters
9		Y N					
10		Y N					

Stream CHANNEL

*Est. Present Water Level Depth ____ (m) | *Est. Present Water Level Width ____ (m) | *Est. High Water Level Clearance ____ (m)

HAZARDS (circle yes or no for each item))

High Water? Yes No | Scour? Yes No | Ice? Yes No | Debris? Yes No | Aggradation? Yes No

Comments

REPAIRS: ☒ Recommended ☐ Not required (H = High, M= Medium, L = Low)

Repair Item #	*Priority (circle)	*Estimate ($)	*Repair Description
1	(H) M L		POST LOAD RATING
2	H (M) L		remove gravel fill, lay geotextile and backfill to 600mm depth
3	H M L		

*Monitoring Status: ☐ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	From d/s		Stringers
	Right abut		u/s
	left abut		Fill on bridge
	Fill below bridge		d/s
			R->L, L->R

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked? Yes (No)

PEng Inspection Required? Yes (No)

Inspector's Estimate of Full Log Haul Traffic Replacement (year): 2005
(PEng to review and evaluate inspector's estimate, and to update "Full Log Haul Traffic Replacement (year)" on structure details screen in CDR as necessary)

J. C. P. ARAKI # 29756 BRITISH COLUMBIA PROFESSIONAL ENGINEER PROVINCE OF

*Date of Inspection (yyyy/mm/dd)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2011/11/09	Onsite Engineering	Jeremy Araki	

Inspector's Comments
POST LOAD RATING - NOTE THAT NONE OF THESE HAVE FAILED AND ARE UNDER FULL LOADING. STILL SUGGEST THE 41 TONNES STRINGER

PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): 41 tonnes
(PEng to update structure details screen in CDR as necessary)

Date of Next Planned Inspection (yyyy/mm/dd): 2012/09/30

Reviewer Company Name	Reviewed by - PEng Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MoF	T. Miller		Jan 26, 2012

PEng Reviewer's Comments
Post bridge ahead and load rating signs.
Remove gravel fill, lay geotextile and backfill to 600mm depth.

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

* Denotes Mandatory Information for Corporate Bridge Register

FS1337A HEG Oct. 18, 2010

Present load rating of L45 or 41 tonnes to continue.

CK2265 Right Abutment

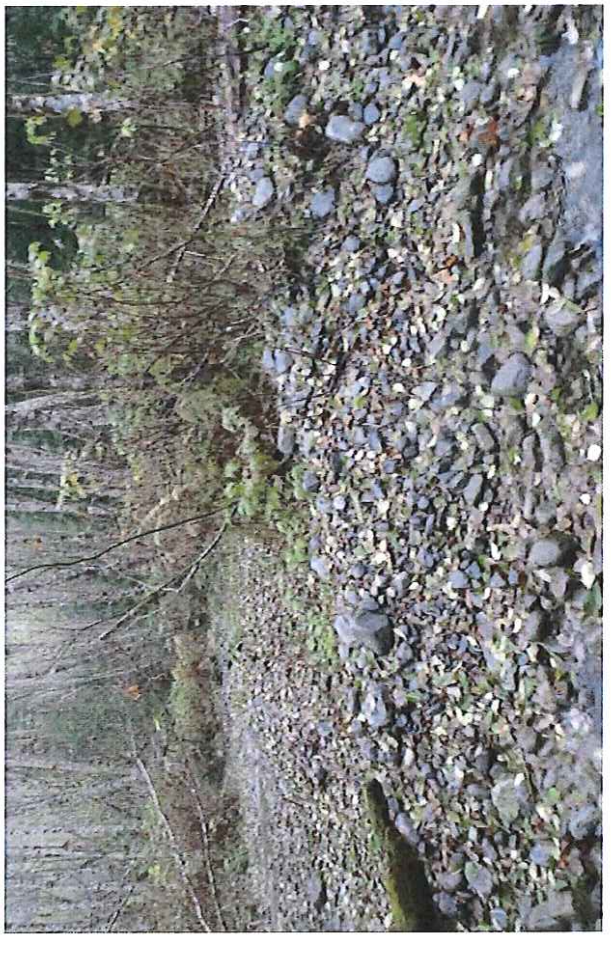
CK2265 Downstream

CK2265 Left Abutment

CK2265 From Downstream

CK2265 Fill that has failed...

CK2265 stringers where the fill...



CK2265 Upstream

CK2265 hole in fill

CK2265 Right to Left Approach

CK2265 Left to Right Approach