BC Ministry of Forests and Range

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

GENERAL INFORMATION

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

*Site #: CK2284	*Crossing Name: Tikwalus	*Type/Class: ☐ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# 7978
*Structure #:			*Br. 01
*FSR Name: Tsitsutl FSR	*Forest District: DCK	*Kilometres: 4.4km	User km:

Longitude: (ddd / mm / ss.s) 49° 42' 40.7"	OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) 121° 26' 42.3"				

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	
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	Yes (No)	
Delineator Missing Left	(0) 1 2	
Delineator Missing Right	(0) 1 2	Reversed on right hand approach.
Fender Condition	E G (F) P None UR	NOT VISIBLE ON RIGHT SIDE
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	2 high cedar strapped together – LEFT IS UNDERMINED – SEEMS STABLE
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	On right side only, left side has notched upper crib log
Piles or Posts	E G F P (N/A) UR	
Ballast Wall	E (G) F P N/A UR	2 high timbers
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	
Fill	E G (F) P N/A UR	Eroding on left d/s side
Riprap	E G F (P) N/A UR	Secured under left crib
Bearings	E G F P (N/A) UR	
Corrosion Protection	E G F P (N/A) UR	

Span 1 of ____ (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	CANNOT SEE CONNECTIONS TO GIRDERS
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	8"x 8", <10" high
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-2284 | *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	Fd	Y N					
2	↓	Y N					
3		Y N	DIMS AS REPORTED				
4		Y N	-CORED #1 NO ROT FOUND				
5	Cy	Y N	-#2 DID SEEM WEAK & RESIN ABUT				
6	Fd	Y N	-LIKELY WHAT LAST INSPECTOR FOUND				
7	Fd	Y N					
8		Y N					
9		Y N					
10		Y N					

Stream CHANNEL

*Est. Present Water Level Depth 1.2 (m) | *Est. Present Water Level Width 2 (m) | *Est. High Water Level Clearance 0.8 (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: BIG BEDLOAD WEDGES

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

Repair Item #	*Priority (circle)	*Estimate ($)	*Repair Description
1	H M L		
2	H M L		
3	H M L		

*Monitoring Status: ☒ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	woods abutment scour
2	

PHOTO LOG

Photo #	Description	Photo #	Description
1	Right to left	5	FROM U/S
2	U/S		LEFT ABUT
3	D/S		RIGHT ABUT
4	Left to right		CANTS

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked? Yes (No) | P Eng Inspection Required? Yes (No) | Inspector's Estimate of Full Log Haul Traffic Replacement Date (year): (PEng to review and evaluate inspector's estimate, and update Full Log Haul Traffic Replacement (year)* on structure details screen in CBR)

*Date of Inspection (yyyy/mm/dd)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2011/11/07	ONSITE ENG LTD	JEREMY ARAKI	G. P ARAKI # 29756 PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

Inspector's Comments:

PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): 54 tonnes (PEng to update structure details screen in CBR as necessary)

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

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MoF	T. Miller		2012/03/15

PEng Reviewer's Comments: Monitor woods abutment for scour and replace missing fenders.

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

* Denotes Mandatory Information for Corporate Bridge Register

FS1337A HEG Oct. 18, 2010

Post bridge ahead and load rating signs. Present load rating of L60 or 54 tonnes to continue.

CK2284 Downstream

CK2284 Right to Left Approach

CK2284 Left to Right Approach

CK2284 Upstream

CK2284 Right Abutment

CK2284 From Upstream

CK2284 Cants

CK2284 Left Abutment