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-2066	*Crossing Name: Stapley Crk	*Type/Class: ☐ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# 5127
*Structure #:			*Br. 06
*FSR Name: Chilliwack - Tamihi	*Forest District: CK	*Kilometres: 10.3km	User km:

Longitude: (ddd / mm / ss.s) W121° 46' 49.5"	OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) N49° 00' 35.3"				

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)	
Fender Condition	E G F P (None) UR	
Posted Load Rating	_____ (tonnes) or (None)	
Road Surface	E G F (P) UR	very bony surface

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	
Fill	E G F (P) N/A UR	BRIDGE WASHED OUT
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	0.5-0.7 metres or N/A	
Curb Rail/Blocks/Posts	E G F (P) UR	loose w/ gravel deck falling under
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E G F (P) N/A UR	Loose lashing
Overall Deck Condition	E G F (P) UR	

BC Ministry of Forests and Range

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

GENERAL INFORMATION

*Site #: CH~ 2066 | *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	Cw	Y (N)	590				CORED, no rot
2		Y N	600				
3		Y N	630	Span = 7.5			No large knots
4		Y N	620	Gravel = 0.5m			Stringers good quality
5		Y N	670				
6		Y N	Too low	Missing Diameters from			surface rot 10-20 mm
7		Y N	to measure	Tamihi 2001 Inspection			No bracing
8		Y N					supported in middle @
9		Y N					outlet by debris
10		Y N					

Stream CHANNEL

*Est. Present Water Level Depth 0.2 (m) | *Est. Present Water Level Width 3 (m) | *Est. High Water Level Clearance ~1.5 (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		REMOVE ASAP - DIVERTING FLOWS DOWN ROAD
2	H M L		^ HIGH
3	H M L		

*Monitoring Status: ☐ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	R->L		L->R
	deck		eroded left approach
	u/s		From u/s
	d/s		Right abut
			Under bridge

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): 2000 (PEng to review and evaluate inspector's estimate, and update Full Log Haul Traffic Replacement (year)* on structure details screen in CBR as necessary)

*Date of Inspection (yyyy/mm/dd)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2011/11/10	Onsite Engineering	Jeremy Araki	

Inspector's Comments: REMOVE

PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): (PEng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd)
63 tonnes		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	2012/03/05

PEng Reviewer's Comments: Information gathered between this and a 2001 Tamihi inspection indicate a 63 tonnes load rating.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J. ARAKI # 29756

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

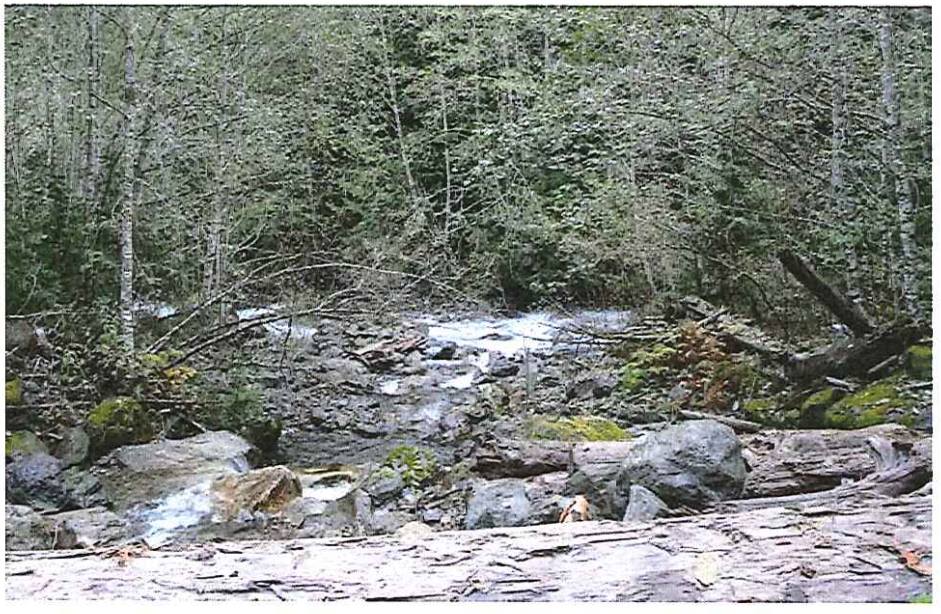
* Denotes Mandatory Information for Corporate Bridge Register

FS1337A HEG Oct. 18, 2010

However, the the structure is undersized and is diverting high flows down the road; remove or replace.

CK2066 Upstream

CK2066 Right to Left Approach



CK2066 Downstream

CK2066 Deck

CK2066 From Upstream

CK2066 Left to Right Approach

CK2066 Right Abutment

CK2066 Left Approach scour from diverted water

CK2066 Left Abutment