ACTIVE (H)

Sep 9

BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

GENERAL	
*Structure #	*Site #: CK-2346
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: PIT – BOISE	Kilometres: 6.9
*Project File ID#: 8394	*Br. 02

Built For:
☐ BC Timber Sales ☐ Operations Division
☐ Other Commercial Users ☐ Road Permit Holder
☐ Road Use Permit Holder

***Source:**
☐ Inherited: Found Structure ☐ Inherited: From Oil & Gas/ Other Ministry
☐ Inherited: Non-Status Road ☐ Inherited: Transfers from Other Ministries
☐ Inherited: Reallocation
☐ New Structure
☐ Replacement Structure

Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): (PEng to enter / update this value on structure details screen in CBR)	Design Load Rating GVW (tonnes): (Typically obtained from design drawings)

Design Vehicle Configuration:
☐ BCL625 ☐ CL625 ☐ L100 ☐ L120 ☐ L150 ☐ L165
☐ L45 ☐ L60 ☐ L75 ☐ L90 ☐ Other

*Primary User Client Number:	*Client Location Code:
Primary User Name:	
As Built Information on File? ☐ Yes ☐ No	
Installation Cost ($):	Material Cost ($):

REPLACEMENT DETAILS	
Original Replacement (year):	Estimated Closure (year):
Light Vehicle Traffic Replacement (year):	*Full Log Haul Traffic Replacement (year): (PEng to review and evaluate inspector's estimate, and to enter /update this value on structure details screen in CBR).
Estimated Replacement Cost ($):	
Replacement Cost Comments:	

* Denotes Mandatory Information for Corporate Bridge Register

#6 (H)

ACTIVE

BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

CK – 2346

STRUCTURAL DETAILS

Number of Spans: 1	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]
Number of Piers: —	Pier Type: ☐ Concrete ☐ Crib - Timber ☐ Piles - Concrete ☐ Piles - Steel ☐ Piles – Timber Treated ☐ Piles – Timber Untreated ☐ Steel Column on Concrete Pad

Needle Beams?	Portable Structure?	Portable Superstructure Status:
☑ Yes ☐ No	☐ Yes ☑ No	☐ Installed ☐ Storage

Portable Superstructure Storage Location:

*Bridge Length (metres): 6.1

*Superstructure:

☐ Compo Girders	☐ Concrete Box Beam	☐ Rail Car
☐ Concrete Cast in Place	☐ Concrete I/T Beam	☐ Other
☐ Concrete Slab Girders	☐ Glulam Girder	
☑ Log Stringer	☐ Steel Box Beam	
☐ Steel I-Beam	☐ Steel Truss/Bailey/Acrow	
☐ Timber-Treated Stringers	☐ Timber-Untreated Stringers	

*Deck Type:

☐ Concrete	☐ Concrete Composite	☑ Gravel
☐ Concrete Removable	☐ Concrete - Steel Free	☐ Steel
☐ Timber-Treated	☐ Timber-Untreated	☐ Other
☐ Timber-Treated Panels	☐ Timber-Untreated Panels	

*Deck Width (metres): 5.1

*Running Surface:

☐ Anti-Skid	☐ Asphalt	☐ Concrete	☑ Gravel
☐ Not Available	☐ Timber Planks		

*Left Abutment:	*Right Abutment:
☐ Binwall	☐ Binwall
☐ Concrete Cast in Place	☐ Concrete Cast in Place
☐ Concrete Lock Blocks	☐ Concrete Lock Blocks
☐ Concrete Precast	☐ Concrete Precast
☑ Crib, Log or Untreated Timber	☑ Crib, Log or Untreated Timber
☐ Other	☐ Other
☐ Pile-Temporary Materials	☐ Pile-Temporary Materials
☐ Pile-Permanent Materials	☐ Pile-Permanent Materials
☐ Sill-Permanent Materials	☐ Sill-Permanent Materials
☐ Sill-Temporary Materials	☐ Sill-Temporary Materials
☐ Steel Pipe & Precast Pad	☐ Steel Pipe & Precast Pad

Comments:

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 #: CC-2346	*Crossing Name:	*Type/Class: ☐ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# 8394
*Structure #:			*Br. 02
*FSR Name: PTT - BOISG	*Forest District: CHILLIWACK	*Kilometres: 0.9	User km:

Longitude: (ddd / mm / ss.s)	OR	UTM Zone	UTM Easting	UTM Northing
49 34 44.2				
Latitude: (ddd / mm / ss.s) 122 38 49.7				

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)	NOT POSTED
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	3x OPEN FACED CRIB. POOR BEARING ON UPSTREAM LEFT ABUT.
Tie-backs	E G F (P) N/A UR	3X CW.
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	CRIB 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	LEFT ABUT. ✓ FIRST 3 - STRINGERS FROM UPSTREAM BEAR ON THE TOP LOG CRIB WITH NO BOTTOM SUPPORT.
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	0.80 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	.2 OUTSIDE STRINGERS LASHED.
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 #: RK 2346 | *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	NOT LASHED PROPERLY. ONLY LASHED TO OUTSIDE STRINGERS

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	560	50			
2	"	Y N	600				ROTTEN
3	"	Y N	650	50			
4	"	Y N	580	50			L=6.1m
5	"	Y N	600	50			Gravel=0.8m ALL CAN
6	"	Y N	720	50			
7	"	Y N	690	50			ROTTEN
8	"	Y N	710				ROTTEN
9	"	Y N	630				ROTTEN
10	"	Y N	850	✓			

#1 Y 750 50 PoT
#12 650 50
#13 650 ROTTEN

Stream CHANNEL

*Est. Present Water Level Depth _____ (m) | *Est. Present Water Level Depth _____ (m) | *Est. Present Water Level Depth _____ (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 LEFT ABUT, DOWNSTREAM SLIGHTLY SCOURED

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

Repair Item #	*Priority (circle)	*Estimate ($)	*Repair Description
1	(H) M L		ROTTEN STRINGERS & CAPS.
2	H M L		
3	H M L		

*Monitoring Status: ☐ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	RIGHT TO LEFT		RIGHT ABUT
	LEFT TO RIGHT		DOWNSTREAM
	UPSTREAM		UPSTREAM - LEFT CAPS SHOW
	LEFT ABUTMENT		

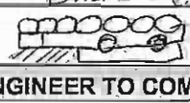
INSPECTOR TO COMPLETE THIS SECTION

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 to 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
2010-09-09	Onsite Engineering Ltd.	Ali Sedighi	

Inspector's Comments:  POOR BEARING. ON LEFT ABUT. UPSTREAM OF 3 STRINGERS HAVE VERY POOR SUPPORT. PEENG TO REVIEW

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)
5	2011/09/01

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MNRO	G. Dohm	Greg Dohm	2010/12/09

PEng Reviewer's Comments: Downrate to 5 tonnes. Please post. Recommend bridge replacement.

* Denotes Mandatory Information for Corporate Bridge Register

CK2346 Right to left

CK2346 Left to right

CK2346 From upstream

CK2346 Left abutment

CK2346 Right abutment

CK2346 From downstream

CK2346 scour upnstream left abutment