BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

SITE INVENTORY DATA FORM

*Site # CL-2232	*Site Status ☐ Active ☐ Barricaded/Closed ☐ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction
*Site Type: ☑ Crossing ☐ Storage	
*Project File ID#: 8394	*Br. 03
*Forest District: CHILLIWACK	
Management Area:	
*Forest Service Road: PITT- BUCKLIN	
*Kilometres: 3.0	User Kilometres:
*Crossing Name: BUCKLIN CRK	Close Proximity Inspection Required? ☐ Yes ☑ No
*Inspection Status: ☐ Inspect ☐ Do Not Inspect	
*BCTS Business Area (if applicable):	
Trim Map Sheet #:	1:50,000 Map Sheet #:
Special Access Requirements: ☐ ATV ☐ Boat ☐ 4-Wheel Drive ☐ Gate Key ☑ Helicopter ☐ Isolated Public Access	Special Equipment Requirements: ☐ Peeper Truck ☐ Scuba
Point of Access Description:	
Coordinates Longitude: (ddd / mm / ss.s)	Latitude: (ddd / mm / ss.s)
UTM Zone: 10	UTM Easting: 520171 UTM Northing: 5605313

*Denotes Mandatory Information for Corporate Bridge Register

BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

GENERAL

*Structure # CK-2232	*Site #: CK-2232
*Type/Class: ☐ Permanent Bridge ☑ Temporary Bridge	Crossing Name: BUCKLIN CRK
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: PITT-BUCKLIN	Kilometres: 3.0
*Project File ID#: 8394	*Br. 03

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

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

Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): (PEng to enter / update this value on structure details screen in CBR) 0	Design Load Rating GVW (tonnes): (Typically obtained from design drawings) 150

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): 2005	*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). 2000

Estimated Replacement Cost ($):

Replacement Cost Comments:

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Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

STRUCTURAL DETAILS

Number of Spans: 2

Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]: 13, 18

Number of Piers: 1

Pier Type:
- ☐ Concrete
- ☐ Piles - Concrete
- ☐ Piles – Timber Treated
- ☐ Steel Column on Concrete Pad
- ☑ Crib - Timber
- ☐ Piles - Steel
- ☐ Piles – Timber Untreated

Needle Beams? ☑ Yes ☐ No

Portable Structure? ☐ Yes ☑ No

Portable Superstructure Status: ☐ Installed ☐ Storage

Portable Superstructure Storage Location:

***Bridge Length (metres):** 31

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

***Deck Type:**
- ☐ Concrete
- ☐ Concrete Removable
- ☐ Timber-Treated
- ☐ Timber-Treated Panels
- ☐ Concrete Composite
- ☐ Concrete - Steel Free
- ☑ Timber-Untreated
- ☐ Timber-Untreated Panels
- ☐ Gravel
- ☐ Steel
- ☐ Other

***Deck Width (metres):** 5

***Running Surface:**
- ☐ Anti-Skid
- ☐ Not Available
- ☐ Asphalt
- ☑ Timber Planks
- ☐ Concrete
- ☐ Gravel

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

***Right Abutment:**
- ☐ Binwall
- ☐ Concrete Cast in Place
- ☐ Concrete Lock Blocks
- ☐ Concrete Precast
- ☑ Crib, Log or Untreated Timber
- ☐ Other
- ☐ Pile-Temporary Materials
- ☐ Pile-Permanent Materials
- ☐ Sill-Permanent Materials
- ☐ Sill-Temporary Materials
- ☐ 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 #: CK-2232	*Crossing Name: Bucklin Crk	*Type/Class: ☐ Major Culvert ☑ Woodbox/Log Culvert	*Project File ID# 8394
*Structure #: CK-2232			*Br. 03
*FSR Name: Pitt-Bucklin	*Forest District: Chilliwack	*Kilometres: 3.00	User km: 3.00

Longitude: (ddd / mm / ss.s) _____ OR Latitude: (ddd / mm / ss.s) _____

UTM Zone	UTM Easting	UTM Northing
10	526171	5505313

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	Tight horizontal curves
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	

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	CW crib right + Single sill left
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	Rotting
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	
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 2 (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	Rotten
Sub-deck	E G F P (N/A) UR	
Ties	E G F (P) N/A UR	Rotting & splitting
Nails	E G (F) P N/A UR	Rusting and starting to protrude
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	Rotten logs
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E G F (P) N/A UR	Rusting
Overall Deck Condition	E G F (P) UR	Rotten

BC Ministry of Forests and Range

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

GENERAL INFORMATION

*Site #: CK-2232 | *Structure #: CK-2232

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	Rotting
Needle Beams and Shims	E G F (P) N/A UR	ROTTING

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)	9999	150	150	150	Totally rotten or failed
2	CW	Y (N)	9999	150	150	150	Totally rotten or failed
3	CW	Y (N)	9999	150	150	150	Totally rotten or failed
4	CW	Y (N)	9999	150	150	150	Totally rotten or failed
5	CW	Y (N)	9999	150	150	150	Totally rotten or failed
6		Y N					
7		Y N					
8		Y N					
9		Y N					
10		Y N					

Stream CHANNEL

*Est. Present Water Level Depth 1.5 (m) | *Est. Present Water Level Width 8.0 (m) | *Est. High Water Level Clearance 2.10 (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	$1.00	Close off ASAP!!
2	H M L		REMOVE OR IT WILL FALL INTO CREEK
3	H M L		

***Monitoring Status:** ☑ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	Failure
2	

PHOTO LOG

Photo #	Description	Photo #	Description
1	From left	5	Span 1 #9 Rt 1 from downstream
2	From Downstream Span 1	6	Left Abutment #10 From downstream Span 2
3	Left bearing	7	From Upstream #11 Span 2
4	From right	8	Pier #12 Right 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): 2011 (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
2013/09/25	ONSITE	Jeremy Araki	

Inspector's Comments: Close - may fail at anytime. Should be posted at 0 load rating

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

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)
0 tonnes	2014/09/30

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MoF	T. Miller		2013/09/26

PEng Reviewer's Comments: Bridge condemned. Block access and remove or replace ASAP.

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

* Denotes Mandatory Information for Corporate Bridge Register

FS1337A HEG Oct. 18, 2010

BC Ministry of Forests and Range

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

USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION

Site # CK-2232 | Structure # CK-2232

Span 2 of 2 (spans are numbered consecutively starting from the left abutment)

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	Rotten
Sub-deck	E G F P (N/A) (UR)	
Ties	E G F (P) N/A UR	Rotting & Splitting
Nails	E G (F) P N/A UR	Rusting and starting to protrude
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	Rotten logs
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E G F (P) N/A UR	Rusting
Overall Deck Condition	E G F (P) UR	Rotten

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	Rotting
Needle Beams and Shims	E G F (P) N/A UR	Rotting

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)	9999	150	150	150	Totally rotten or failed
2	CW	Y (N)	9999	150	150	150	Totally rotten or failed
3	CW	Y (N)	9999	150	150	150	Totally rotten or failed
4	CW	Y (N)	9999	150	150	150	Totally rotten or failed
5	CW	Y (N)	9999	150	150	150	Totally rotten or failed
6		Y N					
7		Y N					
8		Y N					
9		Y N					
10		Y N					

PIER 1 of 1 (piers are numbered consecutively starting from the left abutment)

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Caps	E G (F) P UR	
Piles or Posts	E G F P (N/A) UR	
Concrete	E G F P (N/A) UR	
Bracing or Sheathing	E G F P (N/A) UR	
Cribs	E G (F) P N/A UR	CW closed face crib
Hardware	E G F P (N/A) UR	
Rip Rap	E (G) F P N/A UR	
Dolphins	E G F P (N/A) UR	
Bearings	E G (F) P N/A UR	
Wall	E G F P (N/A) UR	
Overall	E G (F) P UR	

CK-2232 From left

CK-2232 From downstream span 1

CK-2232 Left bearing

CK-2232 From right

CK-2232 Span 1

CK-2232 Left abutment

CK-2232 From upstream

CK-2232 Pier 1

CK-2232 Pier 1 from downstream

CK-2232 From downstream span 2

CK-2232 Span 2

CK-2232 Right abutment