

BARRICADED DUE TO SLIDES . ATW ACCESS ONLY



BC Ministry of
Forests and Range

Page 1 of 2

Corporate Bridge Register (CBR) Structure Inventory Data Form "BRIDGES"

GENERAL	
*Structure #	*Site #: CK-2066
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: CHILLIWACK-TAMHILL	Kilometres: 10.3
*Project File ID#: 5127	*Br. 06
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/ ☐ Inherited: Non-Status Road Other Ministry ☐ Inherited: Reallocation ☐ Inherited: Transfers from ☐ New Structure Other Ministries ☐ 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



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Page 2 of 2

CK-2066

STRUCTURAL DETAILS

Number of Spans: 1

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

Number of Piers: 1

Pier Type:

- ☐ Concrete ☐ Crib - Timber
☐ Piles - Concrete ☐ Piles - Steel
☐ Piles - Timber Treated ☐ Piles - Timber Untreated
☐ Steel Column on Concrete Pad

Needle Beams?

☒ Yes ☐ No

Portable Structure?

☐ Yes ☒ No

Portable Superstructure Status:

☐ Installed
☐ Storage

Portable Superstructure Storage Location:

*Bridge
Length
(metres):

1.5

*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):

5.0

*Running Surface:

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

*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:

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

GENERAL INFORMATION				(enter either long/lat or UTM below - not both)		
*Site #: <u>CR-2066</u>	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>5127</u>			
*Structure #:			*Br. <u>06</u>			
*FSR Name: <u>CHILLIWAC-TAMU#1</u>	*Forest District: <u>ChilliWack</u>	*Kilometres: <u>10.3</u>	User km:			
Longitude: (ddd / mm / ss.s) <u>49 00 35.3</u>	☒ OR	UTM Zone	UTM Easting	UTM Northing		
Latitude: (ddd / mm / ss.s) <u>121 46 49.5</u>						
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 <u>(F)</u> P UR					
Bridge Ahead Signs Missing	0 1 <u>(2)</u>					
Brushing Required	Yes <u>(No)</u>					
Delineator Missing Left	0 1 <u>(2)</u>					
Delineator Missing Right	0 1 <u>(2)</u>					
Fender Condition	E G F <u>(P)</u> None UR	<u>NO FENDERS</u>				
Posted Load Rating	(tonnes) or None <u>(0)</u>	<u>NOT POSTED</u>				
Road Surface	E G F <u>(P)</u> UR	<u>SPOTTED ROAD SURFACE</u>				
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 <u>(N/A)</u> UR					
Tie-backs	E G F P <u>(N/A)</u> UR					
Bin Wall	E G F P <u>(N/A)</u> UR					
Concrete (cast in place; lock blocks, precast)	E G F P <u>(N/A)</u> UR					
Caps or Sills	E G F <u>(P)</u> N/A UR	<u>LOH SILL BADLY SLOPED ON THE DOWNSTREAM</u>				
Piles or Posts	E G F P <u>(N/A)</u> UR					
Ballast Wall	E G F P <u>(N/A)</u> UR					
Wing Wall	E G F P <u>(N/A)</u> UR					
Bracing	E G F P <u>(N/A)</u> UR					
Hardware	E G F <u>(P)</u> N/A UR	<u>NEED BEAM LASH AND FUNCTIONAL</u>				
Fill	E G <u>(F)</u> P N/A UR					
Riprap	E G F <u>(P)</u> N/A UR	<u>MUCHLY WASHED OUT.</u>				
Bearings	E G F P <u>(N/A)</u> UR	<u>NOT VISIBLE.</u>				
Corrosion Protection	E G F P <u>(N/A)</u> 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 <u>(N/A)</u> UR					
Running Planks	E G F P <u>(N/A)</u> UR					
Sub-deck	E G F P <u>(N/A)</u> UR					
Ties	E G F P <u>(N/A)</u> UR					
Nails	E G F P <u>(N/A)</u> UR					
Deck to Girder Bolts	E G F P <u>(N/A)</u> UR					
Concrete Deck	E G F P <u>(N/A)</u> UR					
Grout Pockets	E G F P <u>(N/A)</u> UR					
Deck Joints	E G F P <u>(N/A)</u> UR					
Steel Deck Plate	E G F P <u>(N/A)</u> UR					
Gravel Surface	E G <u>(F)</u> P N/A UR					
Gravel Deck Depth	<u>0.8</u> metres or N/A					
Curb Rail/Blocks/Posts	E G <u>(F)</u> P UR	<u>LOH</u>				
Handrails/Walkouts	E G F P <u>(N/A)</u> UR					
Hardware	E G F P <u>(N/A)</u> UR					
Overall Deck Condition	E G <u>(F)</u> P UR					

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

GENERAL INFORMATION							
*Site #: CK-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		Y N					FAIR
2		Y N					
3		Y N					L=7.5m
4		Y N					Gravel=0.8m
5		Y N					
6		Y N					
7		Y N					
8		Y N					
9		Y N					
10		Y N					
Stream CHANNEL							
*Est. Present Water Level Depth 0.3 (m)		*Est. Present Water Level Depth 2 (m)		*Est. Present Water Level Depth 0 (m)			
HAZARDS (circle yes or no for each item)							
High Water?	Yes No	Scour?	Yes No	Ice?	Yes No	Debris?	Yes No
Comments							
REPAIRS: ☐ Recommended ☐ Not required (H=High, M=Medium, L=Low)							
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description				
1	H M L		REPLACE STRUCTURE				
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		
	LEFT to RIGHT				RIGHT ABOUT 1/2		
	RIGHT to LEFT				FROM UPSTREAM 1/2		
	FROM DOWNSTREAM						
	LEFT ABOUT 1/2						
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):			
				(P Eng to review and evaluate inspector's estimate, and to update "Full Log Haul Traffic Replacement (year)" on structure details screen in CDR as necessary).			
*Date of Inspection (yyyy/mm/dd)		*Inspection Company Name		*Inspector's Name (print)		Inspector's Signature	
2010-09-02		Onsite Engineering LTD.		Ali Sadehghi			
Inspector's Comments							
SEE ABOVE NOTES + PHOTOS.							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GW (tonnes):				Date of Next Planned Inspection (yyyy/mm/dd)			
62				2011/09/01			
Reviewer Company Name		Reviewed by - P Eng's Name (print)		Reviewed by - P Eng's Signature		Date Reviewed (yyyy/mm/dd)	
Onsite Engineering LTD		G. Dohm		G. Dohm		2010/11/17	
P Eng Reviewer's Comments							
Inspector did not drill for rot, however assessed as fair condition.							

CAN NOT ASSESS STRINGER DUE TO LOW CLEARANCE. THE NEEDLE BEAM HAS MOVED & THE SILLS ARE BADLY SCURED. THE OUTSIDE STRINGERS ARE IN FAIR CONDITION.

Stringer diameters from file indicate load rating for BCL-625 or 62 tonnes is reasonable provided stringer rot is minimal.

Bridge is very old and should be replaced asap.



CK2066 Right to left



CK2066 Left to right



CK2066 From upstream



CK2066 From downstream 2



CK2066 Left abutment



CK2066 From downstream



CK2066 Debris jam



CK2066 Right abutment