



BC Ministry of
Forests and Range

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

Page 1 of 2

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GENERAL	
*Structure #	*Site #: CK-2027
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: CHEHALIS	Kilometres: 31.70
*Project File ID#: 8241	*Br. 01
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

CK-2027

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Page 2 of 2

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

STRUCTURAL DETAILS

Number of Spans:

1

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

27.4

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?

☐ Yes☒ No

Portable Structure?

☐ Yes☒ No

Portable Superstructure Status:

☐ Installed☐ Storage

Portable Superstructure Storage Location:

*Bridge
Length
(metres):

28.6

*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):

4.5

*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:

BAILEY BRIDGE OVER SPANNING AN OLD LOG STRINGER STRUCTURE

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

GENERAL INFORMATION			
*Site #: <u>CK-0027</u>	*Crossing Name:	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	(enter either long/lat or UTM below - not both)
*Structure #:		*Project File ID# <u>8241</u>	
*FSR Name: <u>CHATHAM</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>31.70</u>	User km:
Longitude: (ddd / mm / ss.s) <u>49 27 07.3</u>	☒ OR ☐ UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) <u>122 01 30.7</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 <u>(1)</u> 2		
Brushing Required	Yes <u>(No)</u>		
Delineator Missing Left	<u>(0)</u> 1 2		
Delineator Missing Right	<u>(0)</u> 1 2		
Fender Condition	E G <u>(F)</u> P None UR	<u>OLD LOGS</u>	
Posted Load Rating	<u>16R</u> (tonnes) or None		
Road Surface	E G <u>(F)</u> 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 <u>(P)</u> N/A UR	<u>2X OLD CRIB BEING OVER SPANNED BY BALLEY</u>	
Tie-backs	E G F <u>(P)</u> N/A UR	<u>5X ON RIGHT ABUT. 3 ON LEFT ABUT. BRIDGE.</u>	
Bin Wall	E G F P <u>(N/A)</u> UR		
Concrete (cast in place; lock blocks, precast)	E G <u>(F)</u> P N/A UR	<u>PRECAST CONCRETE SLAB FOOTING. → RIGHT APP. UPSTREAM</u>	
Caps or Sills	E G F P <u>(N/A)</u> UR	<u>SLAB, FRACTURED ON THE OUTSIDE OF SLABS. MOST LIKELY DURING INSTALL.</u>	
Piles or Posts	E G F P <u>(N/A)</u> UR		
Ballast Wall	E <u>(G)</u> F P N/A UR	<u>TIMBER & STEEL</u>	
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 P <u>(N/A)</u> UR		
Fill	E <u>(G)</u> F P N/A UR		
Riprap	E G F P <u>(N/A)</u> UR		
Bearings	E <u>(G)</u> F P N/A UR		
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 <u>(F)</u> P N/A UR		
Running Planks	E G <u>(F)</u> P N/A UR	<u>2x10" TIMBER</u>	
Sub-deck	E <u>(G)</u> F P N/A UR		
Ties	E G <u>(F)</u> P N/A UR		
Nails	E <u>(G)</u> F P N/A 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 F P <u>(N/A)</u> UR		
Gravel Deck Depth	metres or <u>(N/A)</u>		
Curb Rail/Blocks/Posts	E <u>(G)</u> F P UR		
Handrails/Walkouts	E G F P <u>(N/A)</u> UR		
Hardware	E <u>(G)</u> F P N/A UR		
Overall Deck Condition	E <u>(G)</u> F P UR		

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

GENERAL INFORMATION			
*Site #: 10-2027		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G F P UR		
Diaphragms	E G F P N/A UR		
Bracing	E G F P N/A UR		
Under-trussing	E G F P N/A UR		
Hardware	E G F P N/A UR		
Welded / Grouted Shear Connectors	E G F P N/A UR		
Stream CHANNEL			
*Est. Present Water Level Depth: 2.0 (m)		*Est. Present Water Level Depth: 1.5 (m)	
*Est. Present Water Level Depth: 2.0 (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		
2	H M L		
3	H M L		
Monitoring Status:			
☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1	RIGHT ABUTMENT FOOTING FRACTURE		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	RIGHT TO LEFT		FROM DOWNSTREAM
	LEFT TO RIGHT		LEFT CRIB ABUT.
	UPSTREAM		LEFT CRIB ABUT.
	RIGHT CRIB ABUT.		RIGHT CRIB ABUT FRACTURED
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 CBR)	
*Date of Inspection (yyyy/mm/dd)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2010-09-09	On-site Engineering	All Suresh	
Inspector's Comments			
Htl			
PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): 68		Date of Next Planned Inspection (yyyy/mm/dd) 2012/09/01	
(P Eng to update structure details screen in CBR as necessary)			
Reviewer Company Name	Reviewed by - P Eng's Name (print)	Reviewed by - P Eng's Sigr	Date Reviewed (yyyy/mm/dd)
MNRO	G. Dohm	Ang Dohm	2010/11/15
P Eng Reviewer's Comments			

* Denotes Mandatory Information for Corporate Bridge Register



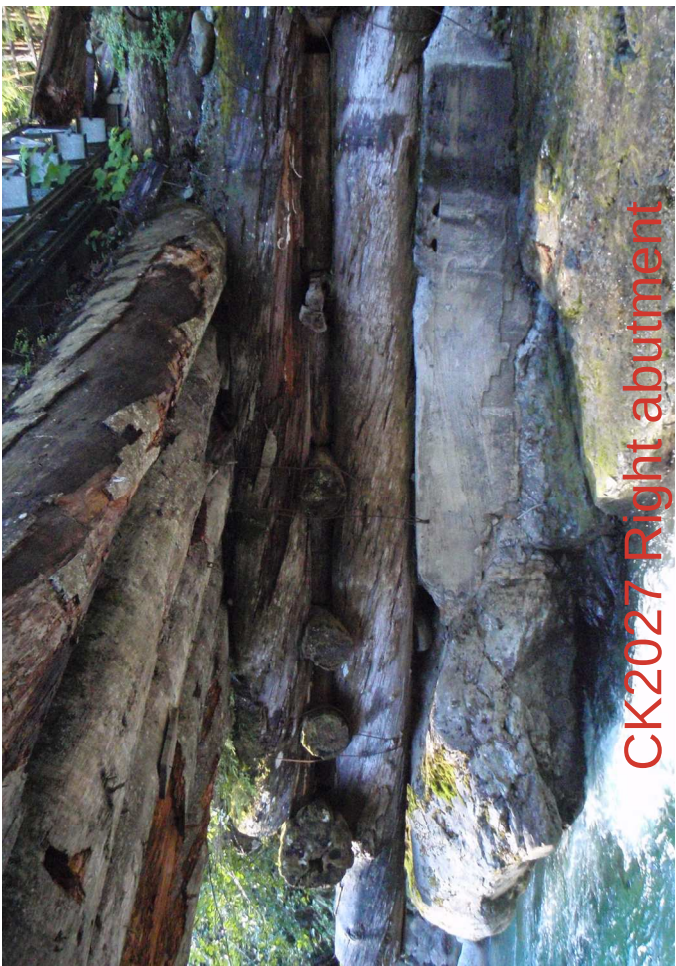
CK2027 Right to left



CK2027 Left to right



CK2027 From upstream



CK2027 Right abutment



CK2027 From downstream



CK2027 Left abutment



CK2027 Precast concrete footing



CK2027 Right abutment upstream...



CK2027 Underneath