

ACTIVE

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BC Ministry of
Forests and Range

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

GENERAL

*Structure #	*Site #: CK-2406
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: PIT RIVER	Kilometres: 18.50
*Project File ID#: 8394	*Br. 01
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder	☐ Operations Division ☐ Road 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)	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-2406

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STRUCTURAL DETAILS			
Number of Spans: <u>1</u>		Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]	
Number of Piers: <u>0</u>		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): <div style="font-size: 1.5em; margin-top: 20px;">11.8</div>	*Superstructure: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☒ Log Stringer ☐ Steel I-Beam ☐ Timber-Treated Stringers </div> <div style="width: 50%;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </div> <div style="width: 50%;"> ☐ Rail Car ☐ Other </div> </div>		
*Deck Type: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> ☐ Concrete ☐ Concrete Removable ☐ Timber-Treated ☐ Timber-Treated Panels </div> <div style="width: 33%;"> ☐ Concrete Composite ☐ Concrete - Steel Free ☐ Timber-Untreated ☐ Timber-Untreated Panels </div> <div style="width: 33%;"> ☒ Gravel ☐ Steel ☐ Other </div> </div>			*Deck Width (metres): <div style="font-size: 1.5em; margin-top: 20px;">5.2</div>
*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>CE-2406</u>	*Crossing Name:	*Type/Class: ☒ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# <u>8394</u>		
*Structure #:			*Br. <u>01</u>		
*FSR Name: <u>PITT RIVER</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>18.50</u>	User km:		
Longitude: (ddd / mm / ss.s) <u>49 40 47.8</u>	☒ OR	UTM Zone	UTM Easting	UTM Northing	
Latitude: (ddd / mm / ss.s) <u>122 41 28.5</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 ☐ 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	<u>LOGS</u>			
Posted Load Rating	(tonnes) or <u>None</u>	<u>NOT POSTED</u>			
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	<u>2X OPEN FACED ON LEFT. 3X</u>			
Tie-backs	E ☒ G ☐ F ☐ P ☐ N/A ☐ UR	<u>3X</u>			
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	<u>CRIB LASHED</u>			
Fill	E ☒ G ☐ F ☐ P ☐ N/A ☐ UR				
Riprap	E ☐ G ☒ F ☐ P ☐ N/A ☐ UR	<u>VERY LITTLE</u>			
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	<u>REQUIRES MAKE FILL</u>			
Gravel Deck Depth	<u>0.14</u> metres or N/A				
Curb Rail/Blocks/Posts	E ☐ G ☒ F ☐ P ☐ UR	<u>LOG</u>			
Handrails/ Walkouts	E ☐ G ☐ F ☐ P ☒ N/A ☐ UR				
Hardware	E ☒ G ☐ F ☐ P ☐ N/A ☐ UR	<u>STRUTTERS ARE LASHED @ MIDSPAN</u>			
Overall Deck Condition	E ☒ G ☐ F ☐ P ☐ UR				



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

GENERAL INFORMATION														
*Site #: <u>K-2406</u>				*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	(NA)	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	F	Y N	650				ALL STRINGERS IN GOOD CONDITION L=11.8m Gravel=0.4m							
2		Y N	700											
3		Y N	600											
4		Y N	600											
5		Y N	780											
6		Y N	600											
7		Y N	650											
8		Y N	580											
9		Y N	630											
10		Y N	650											
Stream CHANNEL														
*Est. Present Water Level Depth <u>0.05</u> (m)		*Est. Present Water Level Depth <u>0.3</u> (m)		*Est. Present Water Level Depth <u>1.2</u> (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														
2														
PHOTO LOG														
Photo #	Description					Photo #	Description							
	RIGHT TO LEFT						RIGHT SIDE							
	LEFT TO RIGHT						LEFT SIDE							
	UPSTREAM						DOWNSTREAM							
	DOWNSTREAM													
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 CER as necessary).								
*Date of Inspection (yyyy/mm/dd) 2010-08-03			*Inspection Company Name Onsite Engineering LTD.			*Inspector's Name (print) Ali Sadehghi			Inspector's Signature 					
Inspector's Comments														
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION														
Current Load Rating GVW (tonnes): 62 (P Eng to update structure details screen in CER as necessary)						Date of Next Planned Inspection (yyyy/mm/dd) 2012/09/01								
Reviewer Company Name Onsite Engineering LTD.			Reviewed by - P Eng's Name (print) G. Dohm			Reviewed by - P Eng's Signature 			Date Reviewed (yyyy/mm/dd) 2010/12/10					
P Eng Reviewer's Comments Load rate for BCL-625 or 62 tonnes.														

* Denotes Mandatory Information for Corporate Bridge Register



CK2406 Right to left



CK2406 Left to right



CK2406 From upstream



CK2406 From downstream



CK2406 Right abutment



CK2406 Left abutment



CK2406 Underneath