

ACTIVE

Aug 17
1BC Ministry of
Forests and Range

Page 1 of 2

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

GENERAL	
*Structure #	*Site #: CK - 2019
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: Calouse	Kilometres: 0.1
*Project File ID#: 8110	*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

PK-2019

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Page 2 of 2

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STRUCTURAL DETAILS			
Number of Spans:	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] 23.4		
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): 27.4	*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): 3.85
*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**
(except for log stringer or timber stringer bridges)

GENERAL INFORMATION		(enter either long/lat or UTM below – not both)			
*Site #: <u>CK-2019</u>	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge		*Project File ID# <u>B110</u>	
*Structure #:				*Br. <u>01</u>	
*FSR Name: <u>Cayuse</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>0.1</u>		User km:	
Longitude: (ddd / mm / ss.s) <u>49-12 17.5</u>		OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) <u>120 59 57.3</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	STEEP VERTICAL CURVE IMPROVES VISIBILITY ON LEFT APPROACH			
Bridge Ahead Signs Missing	0 1 <u>(2)</u>				
Brushing Required	Yes <u>(No)</u>				
Delineator Missing Left	0 <u>(1)</u> 2				
Delineator Missing Right	0 1 <u>(2)</u>				
Fender Condition	E <u>(G)</u> F P None UR	NO POST BARRIERS			
Posted Load Rating	— (tonnes) or None	NOT POSTED			
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 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 <u>(F)</u> P N/A UR	LOCK BLOCKS X2 FOR EACH FOOTING. → RIGHT ABUT LOCK BLOCK HAVE HONEYCOMB. POOR CHOICE FOR FOOTING			
Caps or Sills	E G F P <u>(N/A)</u> UR				
Piles or Posts	E G F P <u>(N/A)</u> UR				
Ballast Wall	E <u>(G)</u> F P N/A UR	LOCK BLOCK.			
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 <u>(G)</u> F P N/A UR				
Bearings	E G F P <u>(N/A)</u> UR				
Corrosion Protection	E G F P <u>(N/A)</u> UR				
Span 1 of <u>1</u> (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 <u>(G)</u> F P N/A UR	4" x 10" TIMBER UNTREATED			
Sub-deck	E G F P <u>(N/A)</u> UR				
Ties	E <u>(G)</u> F P N/A UR	4" x 10" TIMBER w/ 450mm C-C SPACING.			
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	TIMBER RAILS			
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 G F P UR				

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

GENERAL INFORMATION			
*Site #: <u>CK-2019</u>		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E / G <u>P</u> P UR	} <u>BAILY BRIDGE</u>	
Diaphragms	E G / <u>P</u> P N/A UR		
Bracing	E G <u>P</u> P N/A UR		
Under-trussing	E G <u>P</u> P N/A UR		
Hardware	E G <u>P</u> P N/A UR		
Welded / Grouted Shear Connectors	E G F P N/A UR		
Stream CHANNEL			
*Est. Present Water Level Depth <u>0.5</u> (m)		*Est. Present Water Level Depth <u>12.0</u> (m)	*Est. Present Water Level Depth <u>2.0</u> (m)
HAZARDS (circle yes or no for each item)			
High Water?	Yes <u>No</u>	Scour?	Yes <u>No</u>
Ice?	Yes <u>No</u>	Debris?	Yes <u>No</u>
Aggradation?	Yes <u>No</u>		
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
	<u>RIGHT TO LEFT</u>		<u>LEFT ABUT.</u>
	<u>LEFT TO RIGHT</u>		<u>POOR LULC BLOCKS V2</u>
	<u>FROM UPSTREAM</u>		<u>FROM DOWNSTREAM</u>
	<u>RIGHT ABUT</u>		
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked? Yes <u>No</u>		P Eng Inspection Required? Yes <u>No</u>	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)
*Date of Inspection (yyyy/mm/dd) <u>2010-08-17</u>	*Inspection Company Name <u>Onsite Engineering Ltd</u>	*Inspector's Name (print) <u>Ali Sadeghi</u>	Inspector's Signature
Inspector's Comments <u>gate at structure</u>			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GW (tonnes): <u>62</u> (PEng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd) <u>2012/11/15</u>	
Reviewer Company Name <u>Onsite Engineering LTD</u>	Reviewed by - PEng's Name (print) <u>G. Dohm</u>	Reviewed by - PEng's 	Date Reviewed (yyyy/mm/dd) <u>2010/11/15</u>
PEng Reviewer's Comments <u>Continue with current load rating.</u>			

* Denotes Mandatory Information for Corporate Bridge Register



CK2019 Right to left



CK2019 Left to right



CK2019 From upstream



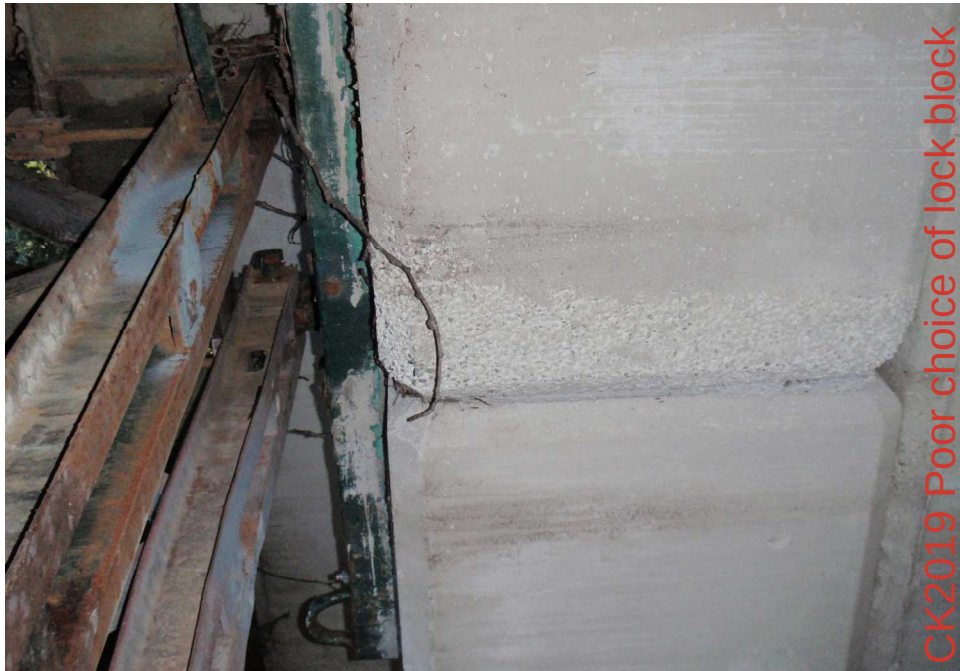
CK2019 Right abutment



CK2019 From downstream



CK2019 Left abutment



CK2019 Poor choice of lock block



CK2019 Poor choice of lock...