BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

GENERAL	
*Structure # CK2231	*Site #: CK2231
*Type/Class: ☑ Permanent Bridge ☐ Temporary Bridge	Crossing Name: SECOND CANYON PITT RIVER
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: PITT BUCKLEY	Kilometres: 0.8
*Project File ID#: 8394	*Br. 03
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

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STRUCTURAL DETAILS CK-2331

Number of Spans: 3	**Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]** 18.3, 17.7, 21.6
Number of Piers: 2	**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):** 57.6

***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):** 4.8

***Running Surface:**

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

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

Comments:

BC Ministry of Forests and Range

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

GENERAL INFORMATION - multi span. — (enter either long/lat or UTM below – not both)

*Site #: CK 2231 *Structure #: CK2231	*Crossing Name: SECOND CANYON PITT RIV	*Type/Class: ☐ Temporary bridge ☑ Permanent bridge	*Project File ID# 8394 *Br. 03
*FSR Name: PITT BUCKLIN	*Forest District: CHILLIWACK	*Kilometres: 0.8	User km: 0.8

Longitude: (ddd / mm / ss.s) _____ Latitude: (ddd / mm / ss.s) _____	OR	UTM Zone	UTM Easting	UTM Northing

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	Very tight hor. curve
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	LOSS
Posted Load Rating	_____ (tonnes) or (None)	not posted.
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	6x crib retain fill in front of pipe riser.
Tie-backs	E G (F) P N/A UR	Just retaining fill
Bin Wall	E G F P (N/A) UR	
Concrete (cast in place; lock blocks, precast)	E G (F) P N/A UR	CAST IN PLACE
Caps or Sills	E G F P (N/A) UR	
Piles or Posts	E (G) F P N/A UR	→ Right abut.
Ballast Wall	E (G) F P N/A UR	
Wing Wall	E G (F) P N/A UR	D/S right abut.
Bracing	E (G) F P N/A UR	
Hardware	E (G) F P N/A UR	
Fill	E G F (P) N/A UR	The fill in front of left abut is failing.
Riprap	E G F P (N/A) UR	B/R Controled.
Bearings	E (G) F P N/A UR	
Corrosion Protection	E G F P (N/A) UR	

Span 1 of 3 (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	Concrete - Comp.
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	Repair since last insp
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E (G) F P N/A UR	
Overall Deck Condition	E (G) F P UR	

BC Ministry of Forests and Range

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

GENERAL INFORMATION

*Site #: CK 2331 | *Structure #: CK 2231

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	Bolted Connections.
Welded / Grouted Shear Connectors	E G F P (N/A) UR	

Stream CHANNEL

*Est. Present Water Level Depth 2 (m) | *Est. Present Water Level Width 20 (m) | *Est. High Water Level Clearance 5 (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 Left abut.

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	Footing Scour – Left. abutment.
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	From D/S		Pier #2 x 3
	L to R		left abut x 3
	R to L		right abut x 2
	Pier #1 x 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):
(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)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2012-08-24	Onsite Eng	Ali Sadeghi	

Inspector's Comments
Check asbuilt to ensure left footing installed on B/R. The fill in front of footing is failing (large hole present) and could impact stability of footing.

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): 109 tonnes
(PEng to update structure details screen in CBR as necessary)

Date of Next Planned Inspection (yyyy/mm/dd) 2015/09/30

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MoF	T. Miller		2013/02/21

PEng Reviewer's Comments
Present load rating of L120 or 109 tonnes to continue.

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

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BC Ministry of Forests and Range

Routine Condition Bridge Inspection Form
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USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION

Site # [illegible] CK 2231 Structure # [illegible]

Span 2 **of** 3 **(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	
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	
Gravel Deck Depth	_____ metres or (N/A)	
Curb Rail/Blocks/Posts	E (G) F P UR	
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E (G) F P N/A UR	
Overall Deck Condition	E (G) F P UR	

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	Bolted Connections
Welded / Grouted Shear Connectors	E G F P (N/A) UR	

PIER 1 **of** 2 **(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	
Hardware	E G F P N/A (UR)	
Rip Rap	E G F P (N/A) UR	NW Rip rap
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	

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Routine Condition Bridge Inspection Form
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USE THIS SHEET FOR ADDITIONAL SPANS

GENERAL INFORMATION

Site # CR2231 | Structure #

Span 3 of 3 (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	
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	
Gravel Deck Depth	metres or (N/A)	
Curb Rail/Blocks/Posts	E (G) F P UR	
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E (G) F P N/A UR	
Overall Deck Condition	E (G) F P UR	

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	Bottom Connection rust.
Welded / Grouted Shear Connectors	E G F P (N/A) UR	

PIER 2 of 2 (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	
Hardware	E G F P N/A (UR)	
Rip Rap	E G F P (N/A) UR	No rip rap
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	

CK2231 Left to Right

CK2231 From Downstream

CK2231 Right Abutment

CK2231 View of Upstream

CK2231 pier2 (2)

CK2231 pier2

CK2231 pier2 (1)

CK2231 pier1 (1)

CK2231 Left Abutment (3)

CK2231 Right Abutment (2)

CK2231 Left Abutment (1)

CK2231 Right to Left

CK2231 Left Abutment (2)

CK2231 pier1 (2)