



BC Ministry of
Forests and Range

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Corporate Bridge Register (CBR) SITE INVENTORY DATA FORM

*Site # CK-2346		*Site Status ☐ Active ☐ Barricaded/Closed ☐ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction	
*Site Type: ☒ Crossing ☐ Storage			
*Project File ID#: 8394		*Br. 02	
*Forest District: CHILLIWACK			
Management Area:			
*Forest Service Road: PITT-BOISE			
*Kilometres: 0.9		User Kilometres:	
*Crossing Name: not known		Close Proximity Inspection Required? ☐ Yes ☒ No	
*Inspection Status: ☒ Inspect ☐ Do Not Inspect			
*BCTS Business Area (if applicable):			
Trim Map Sheet #:		1:50,000 Map Sheet #:	
Special Access Requirements: ☐ ATV ☐ Boat ☐ 4-Wheel Drive ☐ Gate Key ☒ Helicopter ☐ Isolated Public Access		Special Equipment Requirements: ☐ Peeper Truck ☐ Scuba	
Point of Access Description: OLD COORDS CORRECT			
Coordinates Longitude: (ddd / mm / ss.s)		Latitude: (ddd / mm / ss.s)	
UTM Zone: 10	UTM Easting: 520508	UTM Northing: 5491877	

*Denotes Mandatory Information for Corporate Bridge Register



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

GENERAL	
*Structure # <u>CK2346</u>	*Site #: <u>CK2346</u>
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: <u>CHILLIWACK</u>	Management Area:
*Forest Service Road: <u>PITT-BOISE</u>	Kilometres: <u>0.90</u>
*Project File ID#: <u>8394</u>	*Br. <u>02</u>
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/ Other Ministry ☐ Inherited: Non-Status Road ☐ Inherited: Transfers from Other Ministries ☐ Inherited: Reallocation ☒ New Structure ☐ Replacement Structure	
Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): <small>(PEng to enter / update this value on structure details screen in CBR)</small> <u>5</u>	Design Load Rating GVW (tonnes): <small>(Typically obtained from design drawings)</small> _____
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): <u>2015</u>	*Full Log Haul Traffic Replacement (year): <small>(PEng to review and evaluate inspector's estimate, and to enter /update this value on structure details screen in CBR).</small> <u>2011</u>
Estimated Replacement Cost (\$): <u>80,000</u>	
Replacement Cost Comments:	

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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]

6.1

Number of Piers:

0

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):

6.1

*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):

5.1

*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 #: CK-2346	*Crossing Name:	*Type/Class: ☐ Major Culvert ☒ Woodbox/Log Culvert	*Project File ID# 8394				
*Structure #: CK-2346	not known		*Br. 02				
*FSR Name: PITT-BOISE	*Forest District: Chilliwack	*Kilometres: 9	User km: 9				
Longitude: (ddd / mm / ss.s)		OR	UTM Zone 10	UTM Easting 525508	UTM Northing 5491877		
Latitude: (ddd / mm / ss.s)							
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 <u>G</u> F P UR						
Bridge Ahead Signs Missing	0 1 <u>2</u>		BUT RESIDENTIAL USE ONLY CURRENTLY				
Brushing Required	<u>Yes</u> No						
Delineator Missing Left	0 1 <u>2</u>						
Delineator Missing Right	0 1 <u>2</u>						
Fender Condition	E G F P <u>None</u> UR						
Posted Load Rating	<u>5</u> (tonnes) or None		SEE PK				
Road Surface	E <u>G</u> 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 <u>F</u> P N/A UR		Both undermined CW				
Tie-backs	E G <u>F</u> P N/A 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 <u>F</u> P N/A UR						
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 <u>F</u> P N/A UR		Lashing loose on corners				
Fill	E <u>G</u> F P N/A UR						
Riprap	E G F <u>P</u> N/A UR		Chbs undermined				
Bearings	E G <u>F</u> 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 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 <u>G</u> F P N/A UR		0.7m of gravel fill				
Gravel Deck Depth	<u>0.7</u> metres or N/A						
Curb Rail/Blocks/Posts	E G <u>F</u> P UR		logs / rotten				
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 #: <u>CK-2346</u>				*Structure #: <u>CK-2346</u>			
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 <u>(G)</u> F P UR			<u>Lashed</u>			
Needle Beams and Shims	E G F <u>(P)</u> N/A UR			<u>Needle beam has conk - not affected</u>			
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	<u>CW</u>	Y <u>(N)</u>	<u>1000</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>Sap rot progressing. No broken stringers.</u>
2		Y N					
3		Y N					
4		Y N					
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 <u>0.3</u> (m)		*Est. Present Water Level Width <u>4.0</u> (m)		*Est. High Water Level Clearance <u>0.5</u> (m)			
HAZARDS (circle yes or no for each item)							
High Water?	Yes <u>(N)</u> No	Scour?	Yes <u>(N)</u> No	Ice?	Yes <u>(N)</u> No	Debris?	Yes <u>(N)</u> No
Aggradation? Yes <u>(N)</u> No							
Comments							
REPAIRS: ☒ Recommended ☐ Not required (H = High, M = Medium, L = Low)							
Repair Item #	Priority (circle)	Estimate (\$)	Repair Description				
1	H M <u>(L)</u>	<u>\$1.00</u>	<u>Brush and post bridge ahead signs and delineators</u>				
2	<u>(H)</u> M L	<u>\$1.00</u>	<u>Replace structure</u>				
3	H M L						
*Monitoring Status: ☐ Recommended ☒ Not required							
Monitor Item #	Monitor Description						
1							
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
1	<u>Load Sign</u>	5	<u>Right abutment</u>				
2	<u>Conk on needle beam</u>	6	<u>From upstream</u>				
3	<u>From left</u>	7	<u>Guard Log Rotten</u>				
4	<u>From Right</u>	8	<u>Stringers and left abutment</u>				
INSPECTOR TO COMPLETE THIS SECTION							
As-built Drawings Checked? Yes <u>(N)</u> No		P Eng Inspection Required? Yes <u>(N)</u> No		Inspector's Estimate of Full Log Haul Traffic Replacement Date (year): <u>2011</u> (PEng to review and evaluate inspector's estimate, and to update estimate for traffic Replacement (year) on structure details screen in CBR as necessary)			
*Date of Inspection (yyyy/mm/dd) <u>2013/09/25</u>		*Inspection Company Name <u>ONSITE</u>		*Inspector's Name (print) <u>Jeremy Araki</u>		Inspector's Signature <u>J. C. P. ARAKI</u> # 29756 PROFESSIONAL ENGINEER BRITISH COLUMBIA	
Inspector's Comments							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GVW (tonnes): <u>5 tonnes</u> (PEng to update structure details screen in CBR as necessary)				Date of Next Planned Inspection (yyyy/mm/dd) <u>2014/09/30</u>			
Reviewer Company Name <u>MoF</u>		Reviewed by - PEng's Name (print) <u>T. Miller</u>		Reviewed by - PEng's Signature <u>T. Miller</u>		Date Reviewed (yyyy/mm/dd) <u>2014/01/13</u>	
PEng Reviewer's Comments <u>Post bridge ahead signs, replace delineators and brush approaches. Recommend complete bridge replacement soon. Present load rating of 5 tonnes to</u>							
* Denotes Mandatory Information for Corporate Bridge Register FS1337A HEG Oct. 18, 2010 continue.							



CK-2346 Load sign



CK-2346 Conk on needle beam



CK-2346 From left



CK-2346 From right

SEP 25 2013



CK-2346 Right abutment



CK-2346 From upstream



CK-2346 Guard log rotten



CK-2346 Stringers and left abutment