



BC Ministry of
Forests and Range

Page 1 of 1

Corporate Bridge Register (CBR) SITE INVENTORY DATA FORM

*Site # CK-2271		*Site Status ☒ Active ☐ Barricaded/Closed ☐ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction	
*Site Type: ☒ Crossing ☐ Storage			
*Project File ID#: 8013		*Br. 01	
*Forest District: CHILLIWACK			
Management Area:			
*Forest Service Road: STAVE			
*Kilometres:		User Kilometres: 24.8	
*Crossing Name: STAVE RIVER		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:			
Coordinates Longitude: (ddd / mm / ss.s)		Latitude: (ddd / mm / ss.s)	
UTM Zone: 10	UTM Easting: 545729	UTM Northing: 5491293	

*Denotes Mandatory Information for Corporate Bridge Register



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Page 1 of 2

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

GENERAL	
*Structure # CK-2271	*Site #: CK-2271
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name: STAVE RIVER
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: STAVE	Kilometres: 25.5
*Project File ID#: 8013	*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): <small>(PEng to enter / update this value on structure details screen in CBR)</small>	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): 2045	*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> 2045
Estimated Replacement Cost (\$):	
Replacement Cost Comments:	

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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]

24.3

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):

24.5

*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):

7.6

*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:

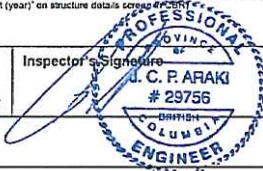
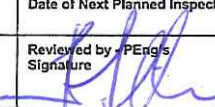
- ☐ Binwall
☒ Concrete Cast in Place
☐ Concrete Lock Blocks
☐ Concrete Precast
☐ Crib, Log or Untreated Timber
☐ Other
☐ Pile-Temporary Materials
☐ Pile-Permanent Materials
☐ Sill-Permanent Materials
☐ Sill-Temporary Materials
☐ Steel Pipe & Precast Pad

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 #: CK-2271	*Crossing Name: Stave River	*Type/Class: ☒ Temporary bridge ☒ Permanent bridge	*Project File ID# 8013				
*Structure #: CK-2271			*Br. 01				
*FSR Name: Stave River	*Forest District: Chilliwack	*Kilometres: 26.25	User km: 24.8				
Longitude: (ddd / mm / ss.s)		OR	UTM Zone: 10	UTM Easting: 545729	UTM Northing: 5491293		
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>						
Brushing Required	Yes <u>No</u>						
Delineator Missing Left	0 1 <u>2</u>						
Delineator Missing Right	0 <u>1</u> 2						
Fender Condition	E <u>G</u> F P None UR	Lock blocks and no post barriers					
Posted Load Rating	____ (tonnes) or None						
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 Crib	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 <u>G</u> F P <u>N/A</u> UR	Right abutment is a cast in place footing					
Caps or Sills	E G F P <u>N/A</u> <u>UR</u>						
Piles or Posts	E <u>G</u> F P N/A UR	Left abutment pile uses treated timber					
Ballast Wall	E G <u>F</u> P N/A UR						
Wing Wall	E G F P <u>N/A</u> UR						
Bracing	E <u>G</u> F P N/A UR						
Hardware	E G <u>F</u> P N/A UR						
Fill	E <u>G</u> F P N/A UR						
Riprap	E <u>G</u> F P N/A UR	Bedrock controlled right, good left on B.R.					
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 F P <u>N/A</u> UR						
Running Planks	E G F <u>P</u> N/A UR	Worn					
Sub-deck	E <u>G</u> F P N/A UR	2" treated timber					
Ties	E <u>G</u> F P N/A UR	8" x 10" treated					
Nails	E G F <u>P</u> N/A UR	sticking out					
Deck to Girder Bolts	E <u>G</u> F P N/A 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 G <u>F</u> P UR	Damaged					
Handrails/ Walkouts	E G F P <u>N/A</u> UR						
Hardware	E G <u>F</u> P N/A UR	Timber					
Overall Deck Condition	E G F <u>P</u> UR	Worn					

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

GENERAL INFORMATION			
*Site #: <u>CK-2271</u>		*Structure #: <u>CK-2271</u>	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E <u>G</u> F P UR		
Diaphragms	E <u>G</u> F P N/A UR		
Bracing	E <u>G</u> F P N/A UR		
Under-trussing	E G F P <u>N/A</u> UR		
Hardware	E <u>G</u> F P N/A UR		
Welded / Grouted Shear Connectors	E G F P <u>N/A</u> UR		
Stream CHANNEL			
*Est. Present Water Level Depth <u>3.0</u> (m)		*Est. Present Water Level Width <u>8.0</u> (m)	*Est. High Water Level Clearance <u>6.0</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 <u>M</u> L		Post bridge ahead signs
2	H <u>M</u> L		Replace missing delineators
3	H <u>M</u> L		Replace worn running planks
*Monitoring Status: ☐ Recommended ☒ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
1	Guard	5	From Downstream #9 Right bearing
2	Deck Bolts	6	From Left #10 Right abutment
3	Deck	7	Left Abutment #11 Left rd ramp
4	From Right	8	Left bearing #12 From Downstream (2)
			#13 From Upstream
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): <u>2045</u> (PEng to review and evaluate inspector's estimate, and to update "Full Log Haul Traffic Replacement (year)" on structure details 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 
Inspector's Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): <u>68 tonnes</u> (PEng to update structure details as shown in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd) <u>2015/09/30</u>	
Reviewer Company Name <u>MoF</u>	Reviewed by - PEng's Name (print) <u>T. Miller</u>	Reviewed by - PEng's Signature 	Date Reviewed (yyyy/mm/dd) <u>2014/01/15</u>
PEng Reviewer's Comments <u>Replace worn running planks, replace missing delineators and post bridge ahead signs. Present</u>			

* Denotes Mandatory Information for Corporate Bridge Register load rating of L75 or 68 tonnes to continue.

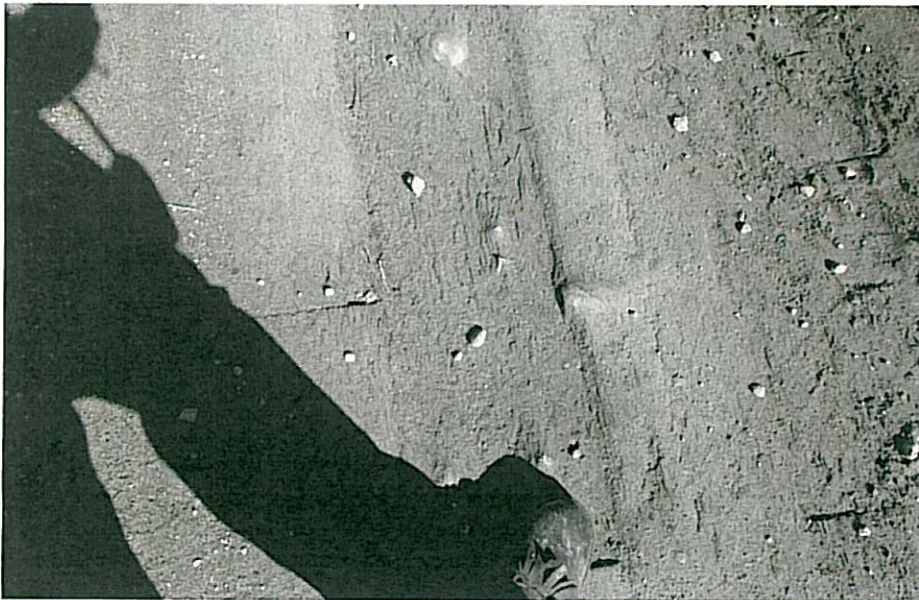




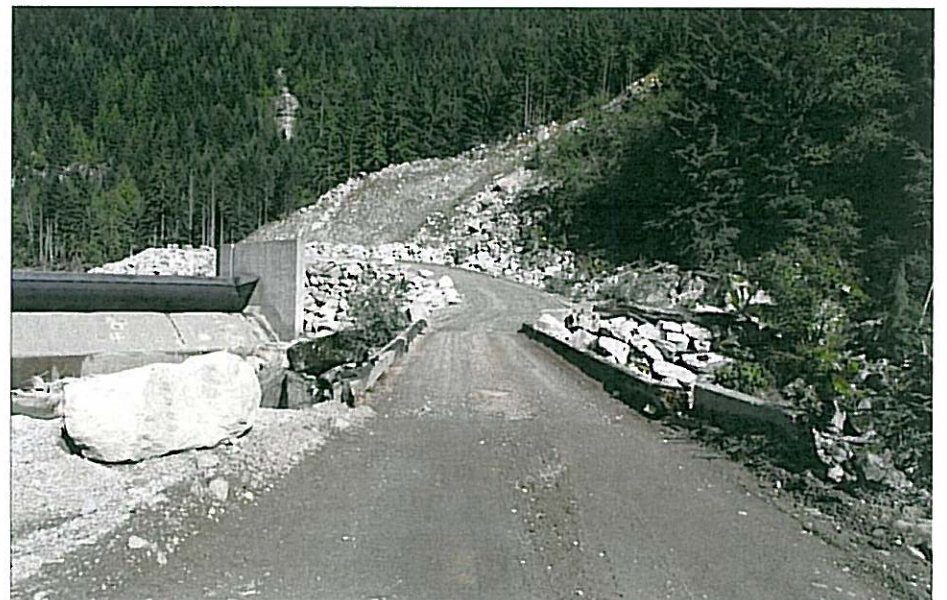
CK-2271 Guard



CK-2271 Deck Bolts



CK-2271 Deck



CK-2271 From Right



CK-2271 From Downstream



CK-2271 From Left



CK-2271 Left Abutment



CK-2271 Left Bearing



CK-2271 Right Bearing



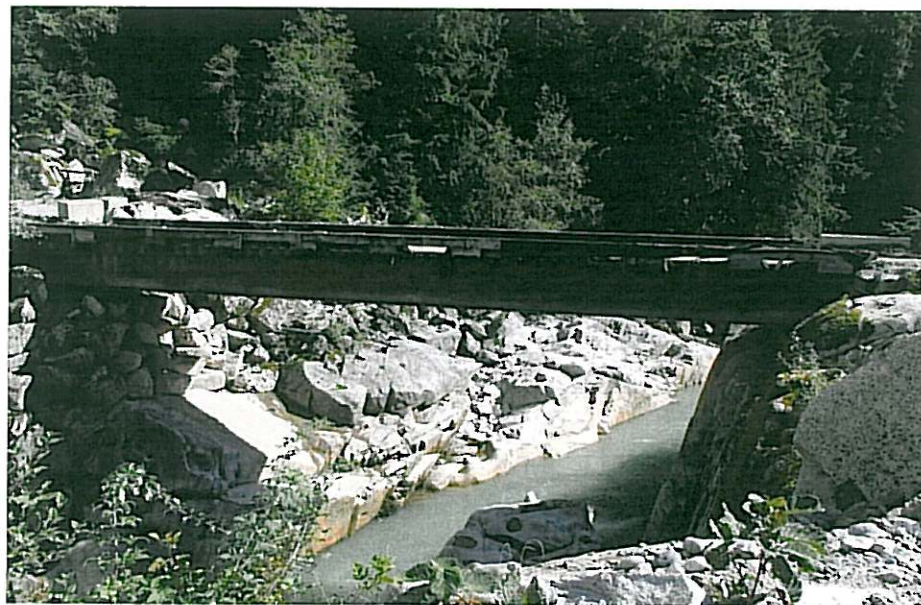
CK-2271 Right Abutment



CK-2271 Left Rip Rap



CK-2271 From Downstream (2)



CK-2271 From Upstream