



BC Ministry of
Forests and Range

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Corporate Bridge Register (CBR) SITE INVENTORY DATA FORM

*Site # CK-2269		*Site Status ☒ Active ☐ Barricaded/Closed ☐ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction	
*Site Type: ☒ Crossing ☐ Storage			
*Project File ID#: 8013		*Br. 61	
*Forest District: CHILLIWACK			
Management Area:			
*Forest Service Road: STAVE			
*Kilometres: STAVE RIVER		User Kilometres: 20.4	
*Crossing Name:		Close Proximity ☐ Yes ☐ No Inspection Required?	
*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: 548817	UTM Northing: 5489698	

*Denotes Mandatory Information for Corporate Bridge Register



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

GENERAL	
*Structure #: CK-2269	*Site #: CK-2269
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name: STAVE RIVER
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: STAVE	Kilometres: 26.4
*Project File ID#: 8013	*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): <small>(PEng to enter / update this value on structure details screen in CBR)</small> 68	Design Load Rating GVW (tonnes): <small>(Typically obtained from design drawings)</small> 68
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): 2022	*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> 2022
Estimated Replacement Cost (\$):	
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]

19.5

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):

19.5

*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):

4.3

*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-2269	*Crossing Name: Stave River	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	*Project File ID# 8613			
*Structure #: CK-2269			*Br. 01			
*FSR Name: Stave River	*Forest District: Chilliwack	*Kilometres: 20.9	User km: 20.9			
Longitude: (ddd / mm / ss.s) _____		OR	UTM Zone: 10	UTM Easting: 548817	UTM Northing: 5489698	
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	G	F	P	UR	Tight curve on left
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	Logs and concrete
Posted Load Rating	_____ (tonnes) or None					
Road Surface	E	G	F	P	UR	Drains into creek and onto bridge
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	N/A UR	Chk on left - CW
Tie-backs	E	G	F	P	N/A UR	Chk
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	Timbers
Piles or Posts	E	G	F	P	N/A UR	
Ballast Wall	E	G	F	P	N/A UR	Timber
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	Lashing loose
Fill	E	G	F	P	N/A UR	
Riprap	E	G	F	P	N/A UR	
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	
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	

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

GENERAL INFORMATION			
*Site #: <u>CK-2269</u>		*Structure #: <u>CK-2269</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 G F P <u>N/A</u> <u>UR</u>		
Bracing	E <u>G</u> F P <u>N/A</u> UR		
Under-trussing	E G F P <u>N/A</u> UR		
Hardware	E <u>G</u> F P <u>N/A</u> 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>12.0</u> (m)	*Est. High Water Level Clearance <u>4.0</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 M L		
*Monitoring Status: ☐ Recommended ☒ Not required			
Monitor Item #	*Monitor Description		
1	left crib, no change since 2009. still none in 2013.		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
1	Right deck	5	left bearing #1 left abutment
2	deck & girder bolts	6	from upstream #10 right crib
3	from left	7	left bearing (2) #11 girders
4	from right	8	left deck
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>2022</u> (PEng to review and evaluate inspector's estimate, and to update "Full Log Haul Traffic Replacement (year)" on structure details screen as necessary)	
*Date of Inspection (yyyy/mm/dd)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
<u>2013/09/25</u>	<u>ONSITE</u>	<u>Jeremy Araki</u>	<u>J. C. P. ARAKI</u> # 29756
Inspector's Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): 68 tonnes (PEng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd) <u>2015/09/30</u>	
Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MoF	T. Miller	<u>[Signature]</u>	2014/01/09
PEng Reviewer's Comments Post bridge ahead signs and replace missing delineators. Present load rating of L75 or 68 tonnes			
* Denotes Mandatory Information for Corporate Bridge Register to continue.			



CK-2269 Right Deck



CK-2269 Deck & Girder Bolts

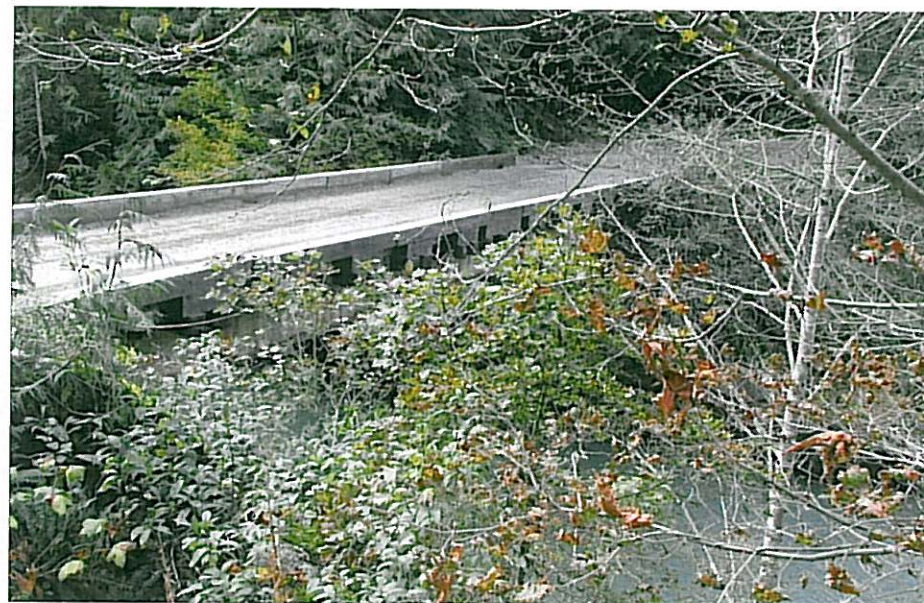


CK-2269 From Left



CK-2269 From Right

CK-2269 Left Bearing



CK-2269 From Upstream



CK-2269 Left Bearing (2)



CK-2269 Left Deck



CK-2269 Left Abutment



CK-2269 Right Crib



CK-2269 Girders