BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

SITE INVENTORY DATA FORM

*Site # CK-2390	*Site Status ☐ Active ☐ Barricaded/Closed ☑ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction
*Site Type: ☑ Crossing ☐ Storage	
*Project File ID#: 7995	*Br. 02
*Forest District: CHILLIWACK	
Management Area:	
*Forest Service Road: CEDAR FLAT	
*Kilometres: 4.60	User Kilometres:
*Crossing Name: CEDAR FLAT CRK	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) 49 28 26.3	Latitude: (ddd / mm / ss.s) 121 09 40.0
UTM Zone:	UTM Easting: / UTM Northing:

*Denotes Mandatory Information for Corporate Bridge Register

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Structure Inventory Data Form "BRIDGES"

GENERAL

*Structure # CK-2390	*Site #: CK-2390
*Type/Class: ☐ Permanent Bridge ☑ Temporary Bridge	Crossing Name: CEDAR FLAT CRK
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: CEDAR FLAT	Kilometres: 4.60
*Project File ID#: 7995	*Br. 02

Built For:
☐ BC Timber Sales ☐ Operations Division
☐ Other Commercial Users ☐ Road Permit Holder
☐ Road Use 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) 1	Design Load Rating GVW (tonnes): (Typically obtained from design drawings) 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): 2013	*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). 2013

Estimated Replacement Cost ($):

Replacement Cost Comments:

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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]: 20

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):** 20.0

***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):** 5.0

***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:

BC Ministry of Forests and Range

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-2390	*Crossing Name: Cedar Crk Flat	*Type/Class: ☑ Temporary bridge ☐ Permanent bridge	*Project File ID# 7995
*Structure #: CK-2390			*Br. 02
*FSR Name: Cedar Flat Crk	*Forest District: Chilliwack	*Kilometres: 4.6	User km: 4.6

Longitude: (ddd / mm / ss.s) 49 28 26.3 **OR**	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) 121 09 40.0			

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 vertical 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	Gabion rock baskets as fenders
Posted Load Rating	5 (tonnes) or None	
Road Surface	E G F (P) UR	Very bumpy road, large amount of debris on road

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	
Tie-backs	E G F P (N/A) UR	
Bin Wall	E G F P (N/A) UR	
Concrete (cast in place, lock blocks, precast)	E G F (P) N/A UR	Right abutment - the load bearing lock block is leaning upstream has shifted. It's missing a lock block at centre + 1 lock block is deteriorating.
Caps or Sills	E G F P (N/A) (UR)	N/A
Piles or Posts	E G F P (N/A) UR	
Ballast Wall	E G (F) P N/A UR	Fruiting bodies on wood (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	
Fill	E G (F) P N/A UR	
Riprap	E G F P N/A (UR)	Bedrock controlled channel
Bearings	E G F (P) N/A UR	Upstream right abutment bearing
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)	N/A
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	

BC Ministry of Forests and Range

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

GENERAL INFORMATION

*Site #: CK2390 | *Structure #: CK2390

SUPERSTRUCTURE

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E G (F) P UR	Acrow bridge
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	
Welded / Grouted Shear Connectors	E G F P (N/A) UR	

Stream CHANNEL

*Est. Present Water Level Depth 0.3 (m) | *Est. Present Water Level Width 5.0 (m) | *Est. High Water Level Clearance 4.0 (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

REPAIRS: ☑ Recommended ☐ Not required (H = High, M= Medium, L = Low)

Repair Item #	*Priority (circle)	*Estimate ($)	*Repair Description
1	(H) M L	$1.00	Monitor the footing if there is vehicle access (yearly monitor)
2	(H) M L	$1.00	Install delineators & bridge ahead signs
3	H M L		

*Monitoring Status: ☑ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	Monitor the footing if there is vehicle access (yearly monitor)
2	

PHOTO LOG

Photo #	Description	Photo #	Description
1	Right approach	5	Right abutment 2 #9 From left load sign
2	Left bearing	6	From downstream #10 left abutment 1
3	From Right	7	Right abutment 3 #11 left abutment 2
4	Load Sign on right	8	Right abutment 1 #12 left approach sign #13 Right abutment 5

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): 2013 (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
2013/09/25	ONSITE	JEREMY ARAKI	

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J. C. P. ARAKI # 29756

Inspector's Comments: Continue with current load limit. Posted at 5 tonnes.

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): 1 tonnes (PEng to update structure details screen in CBR as necessary) | Date of Next Planned Inspection (yyyy/mm/dd) 2014/09/30

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MoF	T. Miller		2014/01/13

PEng Reviewer's Comments: The substructure is in very poor shape, monitor annually. Present load rating of 1 tonnes to continue.

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

CK-2390 Right approach

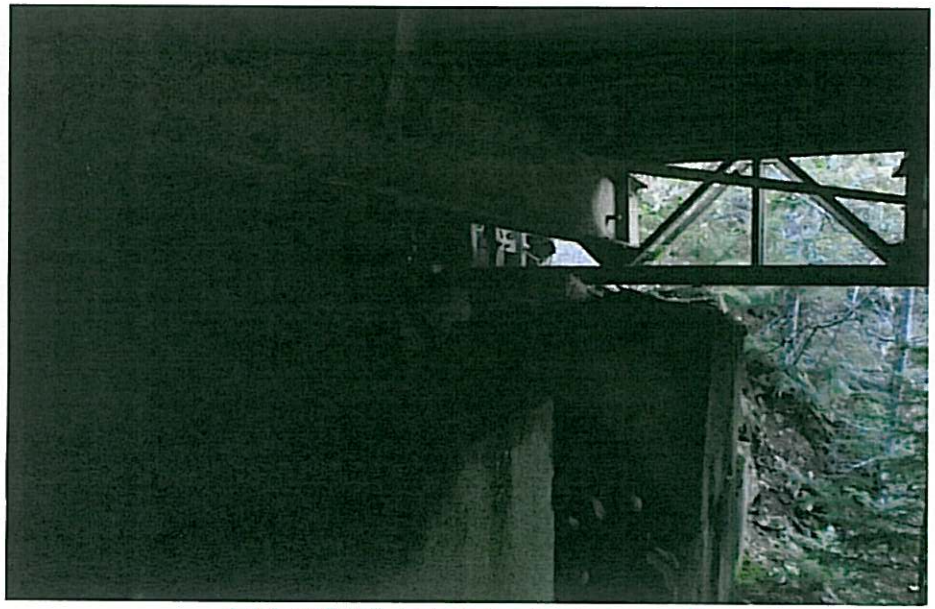
CK-2390 Left bearing

CK-2390 From right

CK-2390 Load sign on right

CK-2390 Right abutment 2

CK-2390 From downstream



CK-2390 Right abutment 3

CK-2390 Right abutment 1

CK-2390 From left load sign

CK-2390 Left abutment 1

CK-2390 Left abutment 2

CK-2390 Left approach sign

CK-2390 Right abutment 5