

(H)

ACTIVE

BC Ministry of
Forests and Range

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

#13

GENERAL	
*Structure #	*Site #: CK 2299
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: URTIUS CRK.	Kilometres: 28.1
*Project File ID#: 7972	*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): (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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Corporate Bridge Register (CBR)
Structure Inventory Data Form "BRIDGES"

STRUCTURAL DETAILS

Number of Spans:

Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]

23.9

Number of Piers:

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):

243
(80')

*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 longlat or UTM below – not both)		
*Site #: <u>CK-2299</u>	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID# <u>7972</u>		
*Structure #:			*Br. <u>01</u>		
*FSR Name: <u>UT LWS CRK</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>28.1</u>	User km:		
Longitude: (ddd / mm / ss.s) <u>49 51 10.2</u>	☒ OR ☐ UTM	UTM Zone	UTM Easting	UTM Northing	
Latitude: (ddd / mm / ss.s) <u>121 15 41.1</u>					
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 <u>F</u> P UR	POOR VS. DUE TO VERT. CURVE			
Bridge Ahead Signs Missing	0 1 <u>2</u>				
Brushing Required	Yes No				
Delineator Missing Left	0 <u>1</u> 2				
Delineator Missing Right	0 <u>1</u> 2				
Fender Condition	E G F P <u>Nope</u> UR	INSTALL FENDERS			
Posted Load Rating	(tonnes) or None	NOT POSTED			
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 G F P <u>N/A</u> UR				
Caps or Sills	E G F P <u>N/A</u> UR				
Piles or Posts	E <u>G</u> F P N/A UR	PIPE RISERS.			
Ballast Wall	E <u>G</u> F P N/A UR	PRECAST.			
Wing Wall	E G F P <u>N/A</u> UR				
Bracing	E <u>G</u> F P N/A UR				
Hardware	E <u>G</u> F P N/A UR				
Fill	E <u>G</u> F P N/A UR				
Riprap	E <u>G</u> F P N/A UR				
Bearings	E <u>G</u> F P N/A UR	RUBBER PADS			
Corrosion Protection	E G <u>F</u> P N/A UR				
Span 1 of <u>1</u> (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	ROTTEN & DAMAGED			
Sub-deck	E <u>G</u> F P N/A UR	TREATED TIMBER 4"			
Ties	E <u>G</u> F P N/A UR	TREATED TIMBER 8" x 10" w/			
Nails	E G <u>F</u> P N/A UR	SOME SINKING OUT			
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 G F P <u>N/A</u> UR				
Gravel Deck Depth	metres or N/A				
Curb Rail/Blocks/Posts	E G F <u>P</u> UR	ROTTEN			
Handrails/ Walkouts	E G F P <u>N/A</u> UR				
Hardware	E G F <u>P</u> N/A UR	LOOSE			
Overall Deck Condition	E G <u>F</u> P UR				

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

GENERAL INFORMATION			
*Site #: CK-2299		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E (G) F P UR	2 X STEEL = I-BEAM	
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 Depth 12 (m)	*Est. Present Water Level Depth 1.5 (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			
REPAIRS: ☐ Recommended ☐ Not required (H = High, M = Medium, L = Low)			
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description
1	(H) M L		REPLACE DECK + RAIL
2	(H) M L		INSTALL FENDERS
3	(H) M L		POST LOAD LIMIT
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	RIGHT TO LEFT		RIGHT ABUT
	LEFT TO RIGHT		LEFT ABUT
	UPSTREAM		FROM UNDERCUT
	DOWNSTREAM		
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) 2010-09-06	*Inspection Company Name Onsite Engineering Ltd	*Inspector's Name (print) Ali Sadeghi	Inspector's Signature
Inspector's Comments INLIGHT OF DECK CONDITION POST LOAD LIMIT FOR STRUCTURE.			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): (PEng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd)	
68		2012/09/01	
Reviewer Company Name Onsite Engineering LTD	Reviewed by - PEng's Name (print) G. Dohm	Reviewed by - PEng's Sign G. Dohm	Date Reviewed (yyyy/mm/dd) 2010/12/08
PEng Reviewer's Comments Replace broken and rotten running deck planking			

* Denotes Mandatory Information for Corporate Bridge Register



CK2299 Right to left



CK2299 Left to right



CK2299 From upstream



CK2299 From downstream



CK2299 Right abutment



CK2299 Left abutment



CK2299 Underneath