

Aug 13

(3)

ACTIVE

BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: <u>2077</u>
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: <u>Chilliwack</u>	Management Area:
*Forest Service Road: <u>AIRPLANE CRK</u>	Kilometres: <u>0.1</u>
*Project File ID#: <u>5127</u>	*Br. <u>14</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/ ☐ 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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STRUCTURAL DETAILS			
Number of Spans: <div style="text-align: center; font-size: 1.2em;">1</div>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <div style="text-align: center; font-size: 1.2em;">21.5</div>		
Number of Piers:	Pier Type: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> ☐ Concrete ☐ Piles - Concrete ☐ Piles – Timber Treated ☐ Steel Column on Concrete Pad </div> <div style="width: 50%;"> ☐ Crib - Timber ☐ Piles - Steel ☐ Piles – Timber Untreated </div> </div>		
Needle Beams? ☐ Yes ☒ No	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage	
Portable Superstructure Storage Location:			
*Bridge Length (metres): <div style="text-align: center; font-size: 1.2em;">21.5</div>	*Superstructure: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> ☐ Compo Girders ☐ Concrete Cast in Place ☒ Concrete Slab Girders ☐ Log Stringer ☐ Steel I-Beam ☐ Timber-Treated Stringers </div> <div style="width: 33%;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </div> <div style="width: 33%;"> ☐ Rail Car ☐ Other </div> </div>		
*Deck Type: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> ☐ Concrete ☒ Concrete Removable ☐ Timber-Treated ☐ Timber-Treated Panels </div> <div style="width: 33%;"> ☐ Concrete Composite ☐ Concrete - Steel Free ☐ Timber-Untreated ☐ Timber-Untreated Panels </div> <div style="width: 33%;"> ☐ Gravel ☐ Steel ☐ Other </div> </div>			*Deck Width (metres): <div style="text-align: center; font-size: 1.2em;">4.3</div>
*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-2077	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID# 5127		
*Structure #:			*Br. 14		
*FSR Name: AIRPLANE CRK	*Forest District: Chilliwack	*Kilometres: 0.1	User km:		
Longitude: (ddd / mm / ss.s) 49 07 20.8	OR	UTM Zone	UTM Easting	UTM Northing	
Latitude: (ddd / mm / ss.s) 121 36 12.3					
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				
Bridge Ahead Signs Missing	0 1 <u>(2)</u>				
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 <u>F</u> P None UR	NO POST BARRIER + Boulders			
Posted Load Rating	(tonnes) or None	NOT RATED			
Road Surface	E G <u>F</u> P UR	SOME POT HOLES			
LEFT/RIGHT ABUTMENTS (as seen facing downstream)					
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)			
Log/Timber Cribbs	E G <u>F</u> P N/A UR	3X CLOSED FACED RIGHT ABUT, 2X N. SIDEFACE LEFT.			
Tie-backs	E G <u>F</u> P N/A UR	3X			
Bin Wall	E G F P <u>N/A</u> UR	u 200m EXP CONT			
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 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 F P <u>N/A</u> UR				
Fill	E G <u>F</u> P N/A UR				
Riprap	E <u>G</u> F P N/A UR				
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 N/A UR	? CANT NOT SEE SURFACE DUE TO LARGE AMOUNT OF FINE SEDIMENT ON BRIDGE.			
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 <u>F</u> P N/A UR	4 SLAB GIRDERS			
Grout Pockets	E G F P <u>N/A</u> UR				
Deck Joints	E G F P N/A 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				
Handrails/ Walkouts	E G F P <u>N/A</u> UR				
Hardware	E G <u>F</u> P <u>N/A</u> UR				
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-2077		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G <u>P</u> UR	4 x SLAB GIRDERS: UPSTREAM, CLOSE TO LEFT ABUT	
Diaphragms	E G F P N/A <u>UR</u>	THE OUTSIDE	
Bracing	E G F P N/A <u>UR</u>	PANEL IS	
Under-trussing	E G F P N/A <u>UR</u>	DAMAGED. NO	
Hardware	E G F P N/A <u>UR</u>	REBAR SHOWING	
Welded / Grouted Shear Connectors	E G F P N/A <u>UR</u>	? CANT SEE DUE TO REBAR	
Stream CHANNEL			
*Est. Present Water Level Depth 1.2 (m)		*Est. Present Water Level Depth 1.4 (m)	*Est. Present Water Level Depth 1.9 (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	<u>H</u> M L		POST LOAD LIMIT.
2	<u>H</u> M L		NARROW STRUCTURE SIGN ON RIGHT? APPROACH
3	H M L		
*Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1	OLD GATE MIGHT BE CONSIDERED A HAZARD. (SEE PHOTOS)		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	LEFT TO RIGHT		RIGHT ABUT
	GATE		LEFT ABUT
	RIGHT TO LEFT		PANEL DAMAGE X2
	FROM DOWNSTREAM		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): (PEng to review and evaluate Inspector's estimate, and to update "Full Log Haul Traffic Replacement (years)" on structure details screen in CBR)
*Date of Inspection (yyyy/mm/dd) 2010-08-13	*Inspection Company Name Onsite Engineering Ltd	*Inspector's Name (print) Ali Sadeghi	Inspector's Signature
Inspector's Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): 54 (PEng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd) 2012/09/01	
Reviewer Company Name MARC Engineering LTD	Reviewed by - PEng's Name (print) G. Dohm	Reviewed by - PEng's Signal 	Date Reviewed (yyyy/mm/dd) 2010/11/23
PEng Reviewer's Comments			

* Denotes Mandatory Information for Corporate Bridge Register



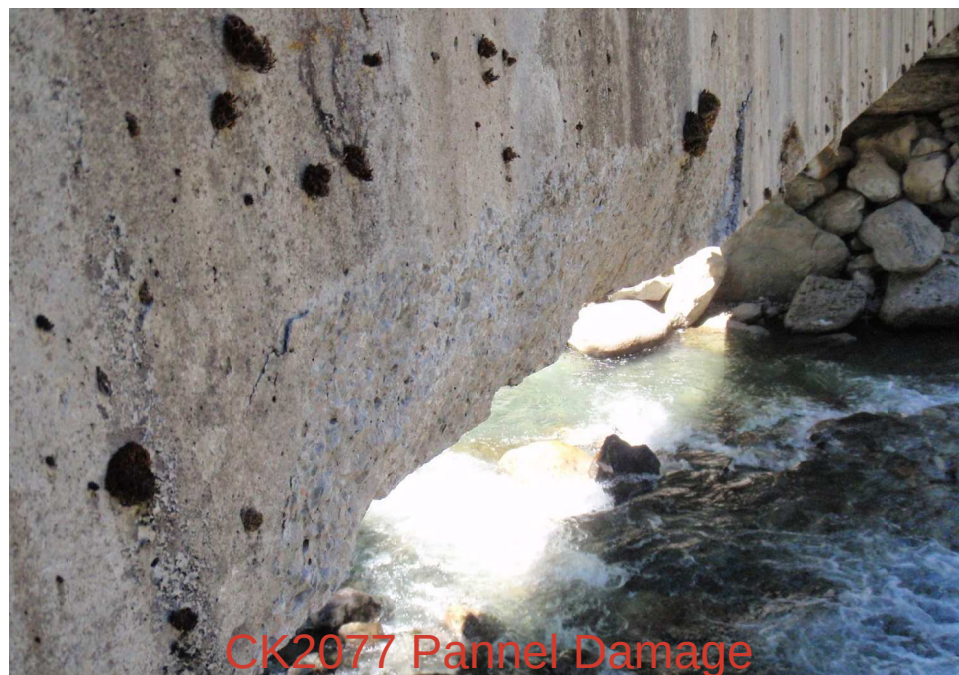
CK2077 Pannel Damage 2



CK2077 From upstream



CK2077 Right abutment



CK2077 Pannel Damage



CK2077 Right to left



CK2077 Left abutment



CK2077 Left to right



CK2077 From downstream

