

CK-2217

PITT RIVER 2.2km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°33'29.09"	-122°37'3.3"		
Crossing Name	Side Creek		
FSR #	8394	Branch #	1
Road Name	PITT RIVER		
User km	2.2		
Current Load Rating (tonnes)	109		
Structure Class	Temporary Bridge		
Portable	Y		
Superstructure	Steel Box Beam		
Deck Type	Steel		
Abutment Left	Sill -Temporary Materials		
Abutment Right	Sill -Temporary Materials		
Spans	1		
Total Length (m)	12.2		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°33'29.26"	-122°37'3.88"		
HD Diff. (m)	12.7	Accuracy (m)	5
L45 or 41 tonnes			

Inspection

Date of Inspection 2019-01-14 8:48:40 AM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

All Steel Portable bridge over spanning old log stringer structure. ASP abutments set back from original log cribs. Low clearance between structures and debris accumulation around ends of bridge prevented complete inspection of the abutments. Timber sill appears to be in poor condition and at the end of their industrial life.

P.Eng Comments

The visible portion of the timber sills are showing signs of rot and at the end of their industrial life. The low clearance between the top of the old log stringer structure and the underside of the All Steel Portable (ASP) structure limits accessibility to other bridge components for complete inspection. The condition of the log stringer structure is unknown due to its difficult accessibility. The file indicates that the All Steel Portable structure was originally planned to be replaced 1 year after its temporary install, originally planned for 2010. Given this information I recommend a complete replacement of the entire structure. Limit loading to L45 or 41 tonnes. Post load rating signs.



P.Eng Seal



Ministry of
Forests and Range



Statement of Construction Conformance (Construction of Bridges, Major Culverts, and Other Structures)

TO BE SUBMITTED AFTER COMPLETION OF THE PROJECT

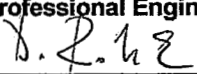
Structure Identification No. / Name CK-2217	Road Name Pitt River FSR	Location 2.20 km
Forest District & Forest Region Chilliwack, Coast Forest Region	Crossing Name (as applicable) Side Creek	Project No. (as applicable) 8394-01
Structure Description: ☒ Bridge ☐ Major Culvert ☐ Other 12.2 m (40 feet) all steel portable bridge on timber sills, overspanning existing wood box culvert, designed by Stonecroft Project Engineering to BC MoF L-120 off highway logging truck with a fatigue of 500,000 cycles. The next "fish window", the plan is to remove WBC, and place steel portable superstructure on steel columns, on precast concrete foundations, as shown on Stonecroft's conceptual design drawings. _____ _____ _____ _____		List of Approved Design Drawings: Drawing and Revision No. / Name of Designer/Date: Drawings 0785 N3-1 and 0785 N3-2, dated/revised February 13, 2008, prepared for Teal Jones Group by Stonecroft Project Engineering _____ _____ _____ _____

I am a Professional Engineer, registered with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC) and I have undertaken professional responsibility for all field reviews required with respect to this structure. I have taken steps as regulated under the Provincial Statute for my profession and required by good practice, and consistent with *Guidelines for Professional Services in the Forest Sector – Crossings*, of the Joint Practice Board, in order to sign and seal this Schedule.

In my professional opinion:

- the as-built structure is in general conformance with the design drawings, specifications and all applicable supporting documents, including all design amendments, which supported the acceptance of the project by the appropriate authority;
- sufficient field reviews have been carried out at appropriate times during the construction work;
- significant revisions to the drawings, specifications and supporting documents prepared for this project, including all design amendments, have been documented and marked on a set of design/construction drawings marked "as-built" and where necessary described in supporting documents and
- where structural field welding was required, it has been completed by a Division 2 or better CWB certified welding firm.

As used herein, "field reviews" means field reviews of the work at the project site [and/or at the fabrication location(s), if/as where applicable] considered necessary by, and at the discretion of, the registered professional engineer to confirm that the as-built structure is in general conformance with the approved design/construction drawings, specifications and other supporting documents prepared for this project.

Signature of Professional Engineer 		
Name of Professional Engineer (please print) Dan J. Robek, P.Eng.	Date Signed YYYY MM DD 2009 09 30	



Employer's Name and Address (please print) D.J. Robek, P.Eng., 2030 Compton Court Coquitlam, B.C., V3J 2 K8		
Phone No. 604-939-8228	Fax No.	E-Mail Address robek@shaw.ca

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Approach

Alignment Good

 Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair Too small however good alignment

Posted Load Rating Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills Poor Only left abutment visible (timber sill) and can't access for complete assessment; rot visible and no crushing noted

Piles or Posts

Ballast Wall Unrated Covered in gravel

Wing Wall

Bracing

Hardware

Fill Fair

Riprap NA ASP over top log stringer structure

Bearings Unrated Limited access and cannot determine

Corrosion Protection

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Deck

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate Fair Anti skid surface completely worn off and minor deformation

Gravel Surface

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts

Hardware

Overall Deck Condition Fair

Gravel Depth (mm)

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Steel/Concrete

Girders Good

Diaphragms Unrated Inside box girders but no deformities noted

Bracing Unrated Inside box girders but no deformities noted

Under Trussing

Hardware

Welded/grouted
shear connectors**Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
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Hazards

Estimated Present Water Level Depth (m)	1.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	4.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments Log stringer bridge under ASP

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	High	Post load rating signs
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2		
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3		
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Item	Monitor Description	Frequency
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1		
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2		
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3		
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Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing



Approach from Right Bank when facing downstream



Downstream Profile



Left Bank Abutment when facing downstream



Timber sills

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Upstream Profile