CK-2218	PITT RIVER 8km	2016 Inspection

CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
49°36'21.7"	-122°37'58.6"

Crossing Name	Fish Hatchery Creek		
FSR #	8394	Branch #	1
Road Name	PITT RIVER		
User km	8		
Current Load Rating (tonnes)	109		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete Composite		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	24.3		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude
49°36'20.95"	-122°37'57.77"

HD Diff. (m)	28.6	Accuracy (m)	10

Inspection

Date of Inspection	2016-08-04 6:17:15 PM		
Inspector Name	Jamie Rupar Gilliatt	Inspection Company	SNT Engineering

Inspector Comments

Guardrail is rotten and requires replacement, otherwise bridge is generally in good condition.

P.Eng Comments

Replace guardrail, risers and blocks. Present load rating of L120 or 109 tonnes to continue.

P.Eng Seal

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	Concrete no post barriers over grown by moss.
Posted Load Rating		No load posting sign in place.
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	N/A	
Piles or Posts	Good	Pipe risers.
Ballast Wall	Good	Precast concrete ballast wall.
Wing Wall	N/A	
Bracing	Good	Mostly buried.
Hardware	Fair	
Fill	Good	
Riprap	Good	
Bearings	Fair	15 mm pads at left abutment are squeezing/bulging. 50 mm pads at right abutment are in good condition.
Corrosion Protection	Fair	Painted substructure.

Deck

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	Wear in wheel tracks. Flare in end deck panels.
Grout Pockets	Unrated	Covered in debris, not visible for inspection.
Deck Joints	Fair	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Guardrail, risers and blocking rotten with moss growth.
Hand Rails/Walkouts	N/A	
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate	Iota	
Girders	Good	
Diaphragms	Good	6 diaphragms.
Bracing	Good	Plan bracing throughout span.
Under Trussing	N/A	
Hardware	Good	
Welded/grouted shear connectors	N/A	

Log

Log Curbs	N/A
Needle Beam	N/A
Needle Lashing/ Shimming	N/A

	Needle Beam to Crib (m)		Needle Diameter (mm)			
Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment

Hazards

Estimated Present Water Level Depth (m)	1	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	10	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	1.5	Ice ☐	

Comments: Channel flows into Pitt River immediately downstream of bridge.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace guardrail. Requires 50 m of 250x250 mm guardrail, 24 650x250x250 mm riser 24 900x250x250 mm blocking.
2	Low	Clear debris from deck.
3		

Item	Monitor Description	Frequency
1	Monitor bulging/squeezing bearings at left abutment.	Routine Inspection
2		
3		

Sketch
(Select Signature)

CK-2218 PITT RIVER 8km 2016 Inspection

Right Approach Facing Bridge

Looking Upstream

Right Approach Facing Away From Bridge

Looking Downstream

CK-2218 PITT RIVER 8km 2016 Inspection

Deck

Left Approach Facing Bridge

Left Approach Facing Away From Bridge

Guardrail

CK-2218 PITT RIVER 8km 2016 Inspection

Downstream Elevation

Right Bank Abutment

Left Bank Abutment

Girders

CK-2218 PITT RIVER 8km 2016 Inspection

Typical Left Abutment Bearing - Bulging

Left Bank Abutment

Upstream Elevation

Right Bank Abutment

Typical Right Abutment Bearing