CK-2219	PITT RIVER 9.8km	2016 Inspection

CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
49°37'10.59"	-122°38'40.5"

Crossing Name	Corbold Creek
FSR #	8394
Branch #	1
Road Name	PITT RIVER
User km	9.8
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)	39.6
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°37'9.84"	-122°38'41.41"

HD Diff. (m)	29.8	Accuracy (m)	5

Inspection

Date of Inspection	2016-08-04 5:16:36 PM		
Inspector Name	Jamie Rupar Gilliatt	Inspection Company	SNT Engineering

Inspector Comments

The bridge is generally in good condition with a few routine maintenance items required.

P.Eng Comments

Replace sealant at left abutment panel joint and seal all grouted panel joints. Brush approaches and clean debris from deck. Present load rating of L120 or 109 tonnes to continue.

P.Eng Seal

Approach

Alignment	Fair	Horizontal and vertical curve.
Bridge Ahead Signs Missing	0 1 2	
Brushing Required	Y	Minor brushing.
Delineator Missing Left	0 1 2	
Delineator Missing Right	0 1 2	
Fender Condition	Fair	Old guide logs starting to rot.
Posted Load Rating		No load posting sign.
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	Steel pipes.
Ballast Wall	Good	Precast concrete ballast wall.
Wing Wall	N/A	
Bracing	Good	Mostly buried in fill.
Hardware	Fair	
Fill	Good	
Riprap	Good	
Bearings	Fair	All bearings are bulging.
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.
Grout Pockets	Fair	Typically below level of deck due to wear.
Deck Joints	Fair	Section of failed joint in wheel tracks at left abutment. Corrosion noted on girder at some panel joint locations.
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Good	Replaced since last inspection.
Hand Rails/Walkouts	N/A	
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate

Girders	Good	Corrosion of top flange and web at a few panel joint locations. Measurable section loss not anticipated based on extent of corrosion.
Diaphragms	Good	8 diaphragms.
Bracing	Good	Plan bracing in end bays.
Under Trussing	N/A	
Hardware	Good	Bolted connections for diaphragms, bracing and splice.
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)	0.75	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	25	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	3	Ice ☐	

Comments: Spawning channel.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Low	Clear debris from deck. Brush approaches. Replace sealant at left abutment panel joint. Seal all grouted panel joints.
2		
3		

Item	Monitor Description	Frequency
1	Monitor wear of grout pockets.	Routine Inspection
2	Monitor bulging of bearings.	Routine Inspection
3		

Sketch
(Select Signature)

CK-2219 PITT RIVER 9.8km 2016 Inspection

Left Approach Facing Bridge

Deck

Left Approach Facing Away From Bridge

Guardrail

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Typical Grout Pocket Condition

Looking Downstream

Looking Upstream

Right Approach Facing Away From Bridge

CK-2219 PITT RIVER 9.8km 2016 Inspection

Right Approach Facing Bridge

Downstream Elevation

Failed Deck Panel Sealant at Left Abutment

Upstream Elevation

Right Bank Abutment

Left Bank Abutment

Girders

Typical Bulging Bearings

Right Bank Abutment

Corrosion of Girder at Panel Joint

Left Bank Abutment