

CK-2221

PITT RIVER 15.5km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°39'21.49"	-122°41'29.5"		
Crossing Name	Pine Creek		
FSR #	8394	Branch #	1
Road Name	PITT RIVER		
User km	15.5		
Current Load Rating (tonnes)	109		
Structure Class	Major Culvert		
Culvert Type	Round		
Culvert Material	Corrugated Steel		
Opening Height (mm)	1800		
Opening Width (mm)	1800		
Inlet Cover (mm)	2000		
Outlet Cover (mm)	2000		
Culvert Gradient %	1		
Culvert Length (m)	18		

Updated Data

Latitude	Longitude		
49°39'21.73"	-122°41'30.05"		
HD Diff. (m)	13.0	Accuracy (m)	30
16.0			
3000			
3000			

Inspection

Date of Inspection 2016-08-02 6:37:15 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Updated user km to 16 based on road km markings.

P.Eng Comments

Present load rating of L120 or 109 tonnes to continue.



27/02/2017

P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2 No signs required for culvert.

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2 No signs required for culvert.

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2 No signs required for culvert.

Fender Condition Unrated None required.

Posted Load Rating No load posting sign.

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall N/A

Bracing

Hardware

Fill Fair Oversteepened embankment slopes.

Riprap Good

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	N/A	
Coating	Fair	Light corrosion on floor of culvert.
Coupled Connections	Fair	Slight misalignment resulting in debris catching at coupler joint.
Embedment Materials	N/A	
Fill	Fair	Oversteepened embankment slopes.
Floor	Fair	Light corrosion on floor of culvert.
Footing	Unrated	Not applicable for CSP.
Head Walls	N/A	
Inlet	Fair	Debris cleared since previous inspection.
Outlet	Fair	Culvert is overhanging with 2 m drop from outlet. Riprap splash pad working effectively.
Overall	Fair	
Rip Rap	Good	
Roof	Good	
Sidewalls	Good	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

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Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	1.5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.2	Ice	☐		

Comments Debris has been cleared from inlet since last inspection. Lots of dead fall upstream with some small woody debris.

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
1	Monitor outlet for possible scour.	Routine Inspection

2

3

Sketch
(Select Signature)



Culvert Right Approach



Roadway Over Culvert



Culvert Left Approach



Looking Upstream



Looking Downstream



Downstream Elevation



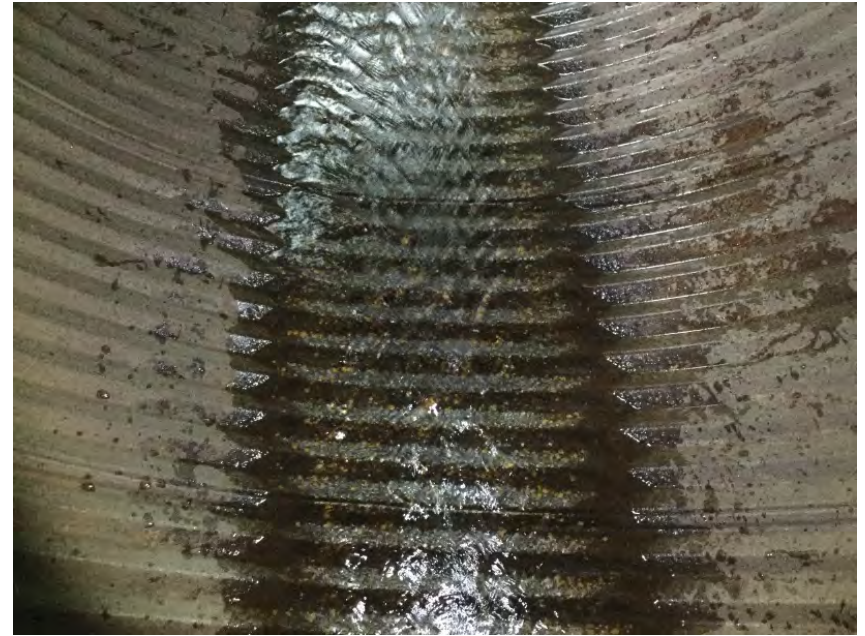
Outlet



Inlet



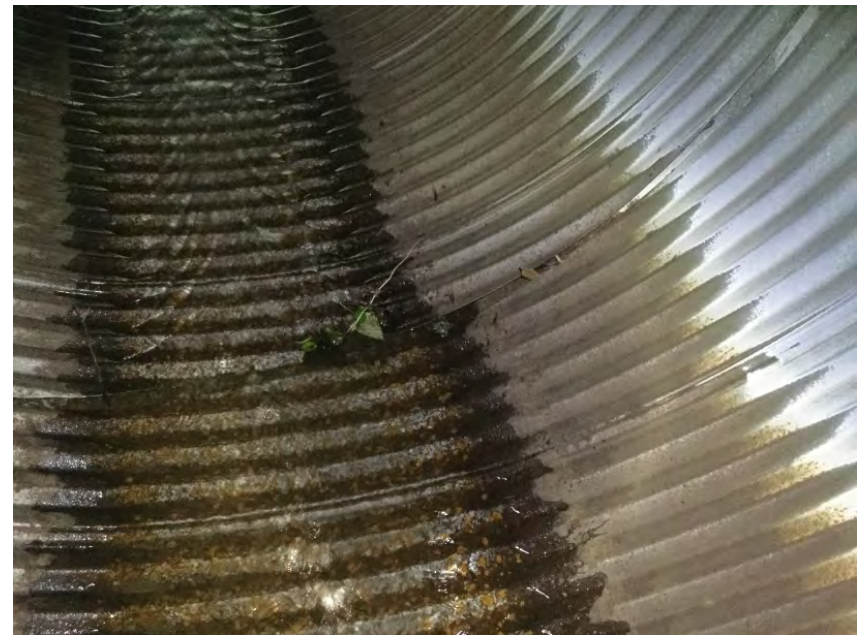
Upstream Elevation



Culvert Floor



Culvert Barrel



Slight Misalignment at Coupler