

CK-2342

STAVE RIVER 20.1km

2017 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude
49°32'51.9"	-122°18'25.9"
Crossing Name	side creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	20.1
Current Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Elliptical
Culvert Material	Corrugated Steel
Opening Height (mm)	2300
Opening Width (mm)	3675
Inlet Cover (mm)	1100
Outlet Cover (mm)	1100
Culvert Gradient %	2
Culvert Length (m)	16

Updated Data

Latitude	Longitude
49°32'52.25"	-122°18'25.61"
HD Diff. (m)	12.4
Accuracy (m)	5

Inspection

Date of Inspection 2017-09-14 1:10:18 PM

Recommended Next Inspection Year 2020

Inspector Name Michael Foster

Inspection Company Onsite Engineering Ltd

Inspector Comments

Good culverts but could use some bedload rearrangement to even flow out between the two structures.
Twin elliptical culverts.

P.Eng Comments

Clean inlet and monitor plunge pool at outlet of right culvert. Present load rating of L75 or 68 tonnes to continue.



26/01/2018

P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Unrated N/A

Posted Load Rating

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 Good

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	Good	
Coating	N/A	
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Good	
Floor	Fair	
Footing	Unrated	N/A
Head Walls	N/A	
Inlet	Fair	
Outlet	Fair	Plunge pool below right Culvert with undermining extending 1.5m back from end
Overall	Fair	
Rip Rap	Fair	
Roof	Fair	
Sidewalls	Fair	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	2	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.2	Ice	☐		

Comments Bedload buildup at inlet Of left structure. Only sees flow at high flow

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
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1

2

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Left approach viewed from bridge



Right approach viewed from bridge



Inlet



Inlet



Outlet



Inlet



Approach from Left Bank when facing downstream