

CK-2275

STAVE RIVER 32.8km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
49°36'11.4"	-122°24'37.4"
Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	32.8
Current Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2000
Opening Width (mm)	2000
Inlet Cover (mm)	900
Outlet Cover (mm)	1200
Culvert Gradient %	4
Culvert Length (m)	16

Updated Data

Latitude	Longitude
49°36'11.4"	-122°24'37.93"
HD Diff. (m)	10.7
Accuracy (m)	5
30.9	

Inspection

Date of Inspection 2016-07-25 1:14:12 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

3 adjacent CSP culverts. Culverts locate at km 30.9 rather than at km 32.8 as noted on file. Woody debris noted upstream which may cause blockage in future.

P.Eng Comments

Monitor debris upstream from the culvert inlets. Consider installing a large sump at the inlet. Present load rating of L75 or 68 tonnes to continue.



09/03/2017

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 No fenders in place, but not applicable.

Posted Load Rating No posting sign.

Road Surface Fair

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

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	N/A	
Coating	Fair	Loss of coating where visible at waterline.
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Fair	
Floor	Fair	Limited amount visible due to rocks on floor of culvert.
Footing	Unrated	Not applicable.
Head Walls	N/A	
Inlet	Fair	Minor damage to inlet of culvert 2 & 3
Outlet	Fair	Minor damage to outlet of culverts 2. River deposits have reduced Culvert 3 outlet to 1.4 m.
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)	6	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments Large woody debris noted upstream, some woody debris in mouth of culvert.

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
1	Monitor movement of upstream woody debris. Material may catch in mouth of culvert and cause blockage.	Anually

2

3

Sketch
(Select Signature)



Right Approach Looking Towards Culvert - Note km



Looking Upstream



Right Approach Looking Away from Culvert



Looking Downstream



Roadway Over Culvert



Inlet 1



Upstream Elevation



Inlet 2



Inlet 3



Downstream Elevation



Typical Culvert Barrel Condition



Outlet 1



Outlet 2



Typical Coating Condition



Outlet 3



Large Woody Debris Upstream

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Left Approach Looking Towards Culvert



Left Approach Looking Away from Culvert