

CK-2343

STAVE RIVER 28.1km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°34'25.79"	-122°23'9.5"		
Crossing Name	Side Creek		
FSR #	8013	Branch #	1
Road Name	STAVE RIVER		
User km	28.1		
Current Load Rating (tonnes)	68		
Structure Class	Major Culvert		
Culvert Type	Elliptical		
Culvert Material	Corrugated Steel		
Opening Height (mm)	1800		
Opening Width (mm)	2600		
Inlet Cover (mm)	1000		
Outlet Cover (mm)	1400		
Culvert Gradient %	2		
Culvert Length (m)	11.5		

Updated Data

Latitude	Longitude		
49°34'25.84"	-122°23'10.11"		
HD Diff. (m)	12.4	Accuracy (m)	5
26.4			

Inspection

Date of Inspection 2016-07-25 6:56:43 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Updated user km to 26.4 based on road km markings.

P.Eng Comments

Present load rating of L75 or 68 tonnes to continue.



14/03/2017

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 Not applicable.

Posted Load Rating No 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 Oversteepend banks.

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	Fair	Corrosion of bolts on floor of culvert.
Coating	Fair	Corrosion on floor of culvert.
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Fair	Oversteepend banks.
Floor	Fair	
Footing	Unrated	Not applicable for multi plate pipe arch culvert.
Head Walls	N/A	
Inlet	Fair	Light corrosion of inlet.
Outlet	Fair	Light corrosion of outlet.
Overall	Fair	
Rip Rap	Fair	
Roof	Fair	
Sidewalls	Fair	Light pitting on lower section of culvert walls.
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)	1	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.3	Ice	☐		

Comments Small drainage channel. No beaver dam in place, appears to have been removed since previous inspection.

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)



Left Approach Facing Away from Culvert



Roadway Over Culvert



Left Approach Facing Culvert



Right Approach Facing Away from Culvert

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Right Approach Facing Culvert



Looking Downstream



Looking Upstream



Downstream Elevation



Outlet



Inlet



Culvert Barrel Condition



Upstream Elevation