

CK-2336

STAVE RIVER 7.2km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
49°28'30.39"	-122°13'20"
Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	7.2
Current Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Elliptical
Culvert Material	Corrugated Steel
Opening Height (mm)	1800
Opening Width (mm)	2300
Inlet Cover (mm)	450
Outlet Cover (mm)	800
Culvert Gradient %	2
Culvert Length (m)	12.5

Updated Data

Latitude	Longitude
49°28'32.87"	-122°13'19.69"
HD Diff. (m)	76.7
Accuracy (m)	5
6.2	

Inspection

Date of Inspection 2016-07-28 12:34:13 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Culvert is at lower chainage than CK-2235. Pitting and flaking of floor to be monitored during future inspections. Updated user km to 6.2 based on road km markings.

P.Eng Comments

Present load rating of L75 or 68 tonnes to continue.



07/03/2017

P.Eng Seal

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Approach

Alignment Fair

Horizontal curve.

 Bridge Ahead Signs
Missing

☒ 0
 ☐ 1
 ☐ 2

Signs not required for culvert.

Brushing Required N

 Delineator Missing
Left

☒ 0
 ☐ 1
 ☐ 2

Signs not required for culvert.

 Delineator Missing
Right

☒ 0
 ☐ 1
 ☐ 2

Signs not required for culvert.

Fender Condition Unrated

Not required for culvert.

Posted Load Rating

No load posting signs in place.

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

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	Fair	Corrosion of bolts on floor.
Coating	Fair	Corrosion on floor.
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Fair	
Floor	Fair	Pitting and flaking on floor. No holes noted.
Footing	Unrated	Not required for multi plate pipe arch culvert.
Head Walls	N/A	
Inlet	Fair	Light corrosion on top of inlet.
Outlet	Fair	Light corrosion on top of outlet.
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)	0.05	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	0.5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.2	Ice	☐		

Comments Culvert drains channel adjacent to road. Fallen trees in channel upstream.

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
1	Monitor corrosion of culvert floor.	Routine Inspection

2

3

Sketch
(Select Signature)



Left Approach Facing Culvert



Roadway Over Culvert



Left Approach Facing Away From Culvert



Right Approach Facing Away From Culvert



Right Approach Facing Culvert



Looking Upstream



Looking Downstream



Downstream Elevation



Outlet



Pitting & Flaking of Floor



Culvert Barrel



Inlet

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Upstream Elevation