

CK-2273

STAVE RIVER 30.9km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
49°35'22.89"	-122°23'59.4"
Crossing Name	not known
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	30.9
Current Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Elliptical
Culvert Material	Corrugated Steel
Opening Height (mm)	2200
Opening Width (mm)	3700
Inlet Cover (mm)	1100
Outlet Cover (mm)	1000
Culvert Gradient %	2
Culvert Length (m)	17.6

Updated Data

Latitude	Longitude
49°35'23.86"	-122°24'.36"
HD Diff. (m)	35.5
Accuracy (m)	10

29

Inspection

Date of Inspection 2016-07-25 6:11:54 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Updated km to 29.0 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 Fair

Vertical curve.

 Bridge Ahead Signs
Missing

☒ 0
 ☐ 1
 ☐ 2

Signs are not required for culvert.

Brushing Required N

 Delineator Missing
Left

☒ 0
 ☐ 1
 ☐ 2

Signs are not required for culvert.

 Delineator Missing
Right

☒ 0
 ☐ 1
 ☐ 2

Signs are not required for culvert.

Fender Condition Unrated

Not applicable.

Posted Load Rating

No posting sign in place.

Road Surface Fair

Potholes in roadway.

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 embankment.

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	Fair	Light corrosion of bolts on floor of culvert.
Coating	Fair	Light corrosion on floor of culvert.
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Fair	Oversteepend embankment.
Floor	Fair	Light corrosion on floor.
Footing	Unrated	Not applicable for multi plate pipe arch culvert.
Head Walls	N/A	
Inlet	Fair	Light corrosion on top of culvert at inlet.
Outlet	Fair	Light corrosion on top of culvert at outlet.
Overall	Fair	
Rip Rap	Fair	
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)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments Slow moving channel.

Repairs and Monitoring

Repair		
Item	Priority	Repair Description

1

2

3

Item		Monitor Description	Frequency
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1

2

3

Sketch
(Select Signature)



Right Approach Facing Towards Culvert



Roadway Over Culvert



Right Approach Facing Away from Culvert



Left Approach Facing Away from Culvert



Left Approach Facing Towards Culvert



Looking Downstream



Looking Upstream



Downstream Elevation

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Outlet



Floor Condition



Wall Condition



Upstream Elevation



Inlet



Km Sign on Approach



Typical Light Corrosion on Top of Inlet & Outlet