

CK-2273

STAVE 29km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude		
49°35'22.89"	-122°23'59.4"		
Crossing Name	not known		
FSR #	8013	Branch #	1
Road Name	STAVE		
User km	29		
Previous 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°35'24.33"	-122°24'1.13"		
HD Diff. (m)	56.4	Accuracy (m)	5
L75 or 68 tonnes			
2290			
3650			
1200			
1500			

Inspection

Date of Inspection 2019-11-05 11:21:38 AM

Recommended Next Inspection Year 2022

Inspector Name Tyson Miller

Inspection Company FLNRORD

Inspector Comments

The Stave River has recently damaged sections of the FSR in this general location. The outlet of the culvert is not completely supported and needs to be monitored

P.Eng Comments

The culvert has sustained damage by recent high flows from the Stave River. Ensure the base of the culvert is properly supported and add riprap to the downstream left bank to prevent further scour. Monitor these items until they are repaired. The current load rating of L75 or 68 tonnes to continue.



2020-02-13

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 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition **NA**

Posted Load Rating **Not posted**

Road Surface **Good**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware

Fill

Riprap

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections

Good

Coating

Fair

Minor corrosion throughout with moderate amounts on the floor

Coupled Connections

Embedment Materials

Fill

Good

Floor

Fair

Starting to sag where unsupported

Footing

Head Walls

Inlet

Good

Outlet

Poor

1.0 drop and last 6m of culvert unsupported

Overall

Fair

Rip Rap

Fair

Poor at downstream left bank

Roof

Good

Sidewalls

Good

Trash Rack

Weirs/Backwater
Structures

Wing Walls



Approach from Right Bank when facing downstream



Downstream right approach fillslope



Upstream from Crossing



Downstream from Crossing



Inlet



Looking through culvert from inlet



Outlet



6m of outlet culvert unsupported



Culvert is sagging where unsupported at outlet



Downstream left fillslope eroding



Downstream left fillslope eroding and over steepened at 1.25:1



Fillslope repair 30m from culvert