

CK-2334

STAVE 3.7km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude
49°27'21.39"	-122°13'3.9"
Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE
User km	3.7
Previous Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Elliptical
Culvert Material	Corrugated Steel
Opening Height (mm)	3330
Opening Width (mm)	5050
Inlet Cover (mm)	500
Outlet Cover (mm)	1000
Culvert Gradient %	2
Culvert Length (m)	18

Updated Data

Latitude	Longitude
49°27'21.43"	-122°13'4.72"
HD Diff. (m)	16.4
Accuracy (m)	5
600	
1100	

Inspection

Date of Inspection 2019-11-04 8:04:43 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2022

Inspection Company FLNRORD

Inspector Comments

This crossing consists of a multiplate arch with a 2200mm CSP

P.Eng Comments

Monitor the fill under the the outlet of the multiplate culvert. The current load rating of L75 or 68 tonnes to continue.



2019-12-02

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 **Unrated** **NA**

Posted Load Rating **Not required**

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 **Good**

Riprap **Fair**

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections	Good	Minor corrosion on bolts on floor of multiplate
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Coating	Fair	Minor corrosion on teh floor of both culverts but remainder in good condition
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Coupled Connections	Good	Only for CSP
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Embedment Materials

Fill	Good
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Floor	Fair	Minor Corrosion on floor
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Footing

Head Walls

Inlet	Good
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Outlet	Fair	Minor corrosion
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Overall	Fair	Minor corrosion
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Rip Rap	Fair
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Roof	Good
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Sidewalls	Good
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Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments Back up culvert is a 2200mm CSP in good condition with minor corrosion on floor. 150mm gap between underside of culvert and ground - extends approximately 1.0m

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
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1

Eroding fill material under outlet of culvert

Routine Inspection

2

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



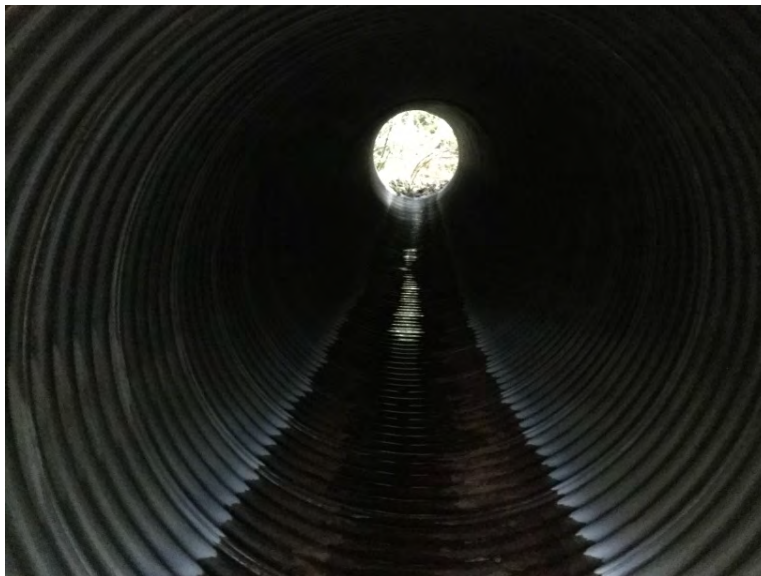
Inlet



Outlet



Outlet of 2000mm over flow culvert



Looking through overflow culvert from outlet



Inlet of overflowing of culvert