

CK-2273
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STAVE 29km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°35'22.89"
Longitude -122°23'59.4"

Site Status Active

Insp. Status Inspect

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 49°35'23.99"
Longitude -122°24'.46"

HD Diff. (m) 39.8 Accuracy (m) 5

L75 or 68 tonnes

1200

1400

Inspection

Date of Inspection 2022-09-09 11:31:24 AM

Inspector Name Cameron VandenBrink, EIT

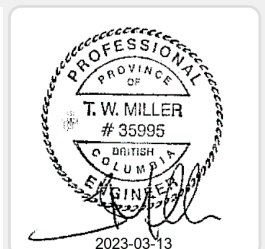
Recommended Next Inspection 2023
Year

Inspection Company

Inspector Comments

P.Eng Comments

The outlet of the culvert is improperly supported and appears to have unbalanced embankment fills. Ensure the base of the culvert is fully supported and the embankment fills are properly balanced. The current load rating of L75 or 68 tonnes to continue; however restrict all live loads to the inside road edge until these items are addressed. Inspect again next year to ensure no further damage to the culvert.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

Due to hump above culvert limited sight lines

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition

Posted Load Rating

Not posted

Road Surface Fair

Due to potholes

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 Good

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections Good

Coating Fair Minor throughout, floor is consistently moderate

Coupled Connections

Embedment Materials

Fill Good

Floor Fair

Footing

Head Walls

Inlet Good

Outlet Poor 1.0 drop and last 6m unsupported

Overall

Rip Rap Good

Roof Good

Sidewalls

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	.05	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	1.2	Ic	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Bearing maintenance. # of items. Priority:High	Support final 6 meters of pipe to limit sagging

2

3

4

5

6

7

Item	Monitor Description	Frequency
1 Newly installed riprap		Routine Inspection
2 Unsupported pipe end		Routine Inspection
3		



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Approach from bridge deck of Left bank approach when facing downstream



Approach from bridge deck of Right bank approach when facing downstream



Downstream from Crossing



Upstream from Crossing



Approach from Right Bank when facing downstream



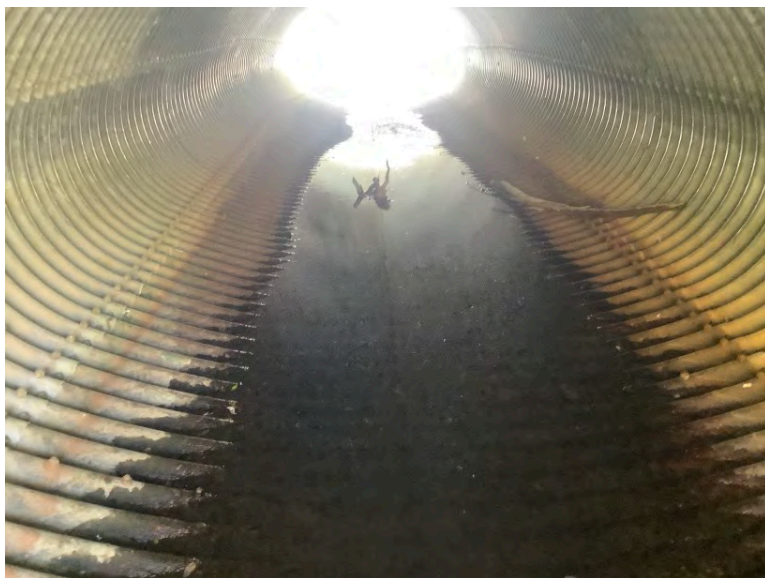
Approach from Right Bank when facing downstream



Outlet



Inlet



Culvert Floor