

CK-2130
CK-2130-2

STS'AILES (WEST) 12.8km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°24'29.9"	-121°50'53.8"
Crossing Name	Wells Creek
FSR #	6314
Branch #	1
Road Name	STS'AILES (WEST)
User km	12.8
Previous Load Rating (tonnes)	136
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	1800
Opening Width (mm)	1800
Inlet Cover (mm)	3500
Outlet Cover (mm)	3700
Culvert Gradient %	2
Culvert Length (m)	32

Updated Data

Latitude	Longitude
49°24'29.61"	-121°50'53.09"
HD Diff. (m)	17.0
Accuracy (m)	50
L150 or 136 tonnes	

Inspection

Date of Inspection 2020-05-11 12:02:39 PM

Inspector Name Tyson Miller

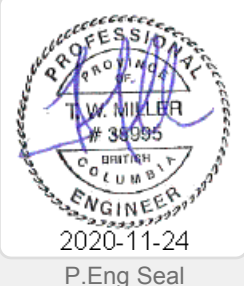
Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Remove the debris accumulations from the inlet and brush the approaches. Monitor the debris accumulations at the inlet and upchain culvert condition. The current load rating of L150 or 136 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

HC and VC both approaches

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2 NA

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2 NA

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

Coating Fair Fair on downchain culvert and poor on upchain

Coupled Connections Fair

Embedment Materials

Fill Good

Floor Fair Fair on downchain culvert and poor on upchain

Footing Unrated not visible

Head Walls

Inlet Poor Debris accumulations blocking entire downchain culvert and 50% of upchain, also aggrading

Outlet Fair 1.5m drop in elevation to stream thalweg

Overall Fair Consider entire structure replacement soon

Rip Rap Fair

Roof Fair

Sidewalls Fair

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	3.0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.0	Ice	☐		
Comments	Bedrock noted downstream				

Repairs and Monitoring

Repair Item	Repair Description
1 Channel. Debris removal. # of sites/items. Priority:High	Remove debris accumulations at inlet
2 Medium	Brush approaches
3	
4	
5	
6	
7	

Item	Monitor Description	Frequency
1	upchain culvert floor condition	Annual
2	debris accumulations at the inlet	Annual
3		



Approach from Left Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Inlet



Island of vegetation upstream from crossing



Upchain culvert corroded without a floor at inlet



Looking through upchain culvert from inlet



Outlet



Outlet of upchain culvert



Looking through downchain culvert from outlet