

CK-2208

MOWHOKAM 16.3km

2018 Inspection

CBR iPad Offline Ver 0.26



CBR Data

Latitude	Longitude
50°5'59.49"	-121°24'11.3"
Crossing Name	Side Creek
FSR #	8019 Branch # 2
Road Name	MOWHOKAM
User km	16.3
Current Load Rating (tonnes)	136
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2400
Opening Width (mm)	2400
Inlet Cover (mm)	600
Outlet Cover (mm)	700
Culvert Gradient %	4
Culvert Length (m)	8

Updated Data

Latitude	Longitude
50°5'59.29"	-121°24'10.76"
HD Diff. (m)	12.5 Accuracy (m) 5
BCL-625 or 64 tonnes	
500	
700	

Inspection

Date of Inspection 2018-08-23 9:14:06 AM

Recommended Next Inspection Year 2021

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

The culvert is too short for the existing road width and proper fill retainment should be added. The culvert is not properly seated as logs have been used to backfill around it, and they are rotting. The logs that were used as backfill are only visible at the outlet. Monitor the condition of the culvert and in the meantime add riprap to both the inlet and outlet to properly retain fill; replace the rotten fender logs and brush the approaches. Limit loading to BCL-625 or 64 tonnes. Post load rating signs.



P.Eng Seal

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Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2 NA

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2 NADelineator Missing
Right ☒ 0 ☐ 1 ☐ 2 NA

Fender Condition Poor

Rotten logs

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

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

Coupled Connections

Embedment Materials

Fill

Fair

eroding at both the upstream and downstream ends

Floor

Fair

Minor corrosion

Footing

Head Walls

Inlet

Fair

Outlet

Fair

Overall

Fair

Rip Rap

Fair

Could use additional riprap to help retain the fill

Roof

Fair

Minor damage and deformation noted

Sidewalls

Fair

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.5	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Bedload inside culvert

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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- | | | |
|---|--------|---|
| 1 | Medium | Brush approaches |
| 2 | Medium | Add riprap to both the inlet and outlet to help retain the eroding fill |
| 3 | Low | Replace log fenders |
| 4 | High | Post load rating signs |

Item	Monitor Description	Frequency
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1	culvert condition	Routine Inspection
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2

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Upstream from Crossing



Running surface



Downstream from Crossing



Approach from Left Bank when facing downstream



Material being transported into culvert



Inlet



Minor roof damage



Outlet



Logs were used as fill around culvert



Deformation at inlet



Rotten fender logs