

SQ-3251
SQ-3251A

IN-SHUCK-CH 54.1km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°55'20.1" Longitude -122°19'40.9"

Site Status Active

Insp. Status Inspect

Crossing Name Unknown

FSR # 7343 Branch # 1

Road Name IN-SHUCK-CH

User km 54.1

Previous Load
Rating (tonnes) 91

Structure Class Major Culvert

Culvert Type Open Bottom

Culvert Material Corrugated Steel

Opening Height (mm) 3600

Opening Width (mm) 1900

Inlet Cover (mm) 2500

Outlet Cover (mm) 2500

Culvert Gradient % 5

Culvert Length (m) 18

Updated Data

Latitude 49°55'18.92" Longitude -122°19'41.65"

HD Diff. (m) 39.4 Accuracy (m) 7

Inspection

Date of Inspection 2022-09-27 1:35:55 PM

Recommended Next Inspection 2025

Inspector Name Forrest Simpson

Inspection Company MoF

Inspector Comments

Arch matches dimensions. 9high grs retaining wall on outlet, looks good. Footings scouring, 5m or so from outlet. Roughly 0.5m high and deep at worst, Looks like cast in place concrete has been placed in front of lock blocks to prevent scour. Second site roughly 40m to town. No structure ID. Photos taken manually. Check records in office.

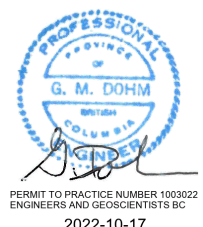
P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 14, 2022

Load Rating: L100 or 91 tonnes

Next Inspection: 2025

Comments: add more scour protection along scoured section of footing. Possible protect using smaller rock wrapped in geogrid with mechanical clasps to close the geogrid. The idea of wrapped rock is that this material will remain as a mass and will adjust and settle into place if further scour occurs.



PERMIT TO
PRACTICE: 1003022

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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** **None**

Posted Load Rating **None**

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 **Good**

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections Good

Coating Good

Coupled Connections

Embedment Materials

Fill Good

Floor

Footing Fair Scour. Arch footing rusting

Head Walls

Inlet Good

Outlet Fair Scoured footings

Overall Good

Rip Rap Good

Roof Good

Sidewalls Good

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Log

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)

Rot Depth
(mm)

Condition

Comment

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.8	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance	2.5	Ic	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
-------------	--------------------

1

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	Scour under footings. Repair has been made to address this, but scour continues?	Routine Inspection

2

3



Approach from Right Bank when facing downstream



Outlet



Outlet



Right Bank Abutment when facing downstream



Outlet



Culvert Floor



Inlet



Inlet



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Downstream from Crossing