

CK-2253
CK-2253B

SQUEAH 3.2km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°24'57.6" Longitude -121°25'1.2"

Site Status Active

Insp. Status Inspect

Crossing Name not known

FSR # 6092 Branch # 1

Road Name SQUEAH

User km 3.2

Previous Load Rating (tonnes) 91

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Concrete Removable

Abutment Left Steel Pipe and Precast Pad

Abutment Right Steel Pipe and Precast Pad

Spans 1

Total Length (m) 18.3

Deck Width (m) 4.3

Updated Data

Latitude 49°24'57.33" Longitude -121°25'2.15"

HD Diff. (m) 20.9 Accuracy (m) 5

L100 or 91 tonnes

Inspection

Date of Inspection 2022-10-25 11:27:47 AM

Recommended Next Inspection 2025

Inspector Name Tyson Miller

Inspection Company

Inspector Comments Serial/ID Plate

Stream actively moves debris, cobble and gravels
Stream should be cleaned of aggraded materials and monitored for future events

P.Eng Comments

Repair the eroded downstream left bank fill slope. Repair/add riprap to the left bank abutment. Replace the guardrail, risers and blocks. Brush and grade approaches. Remove the sediment from the deck. Replace missing delineator. Install new log fenders, minimum 6m long x 600mm diameter. Recommend removing aggraded material from stream channel and monitor for future events as the site is susceptible to them. The current load rating of L100 or 91 tonnes to continue.



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Approach

Alignment **Good**

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required **Y**

Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition **Poor** Missing upstream left bank, downstream right bank too small

Posted Load Rating **68040**

Road Surface **Poor** Large potholes

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts **Good**

Ballast Wall **Good**

Wing Wall

Bracing **Good**

Hardware

Fill **Poor** Failed downstream left bank

Riprap **Poor** Left bank completely eroded

Bearings **Good**

Corrosion Protection **Good**

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Deck

Running Surface Fair Clean sediment from deck

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts Good

Concrete Deck Good

Grout Pockets

Deck Joints Good

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Sideblocks and risers are rotting

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Poor Replace guardrail and clean deck

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Recycled girders

Diaphragms Fair

Bracing Fair

Under Trussing

Hardware

Welded/grouted
shear connectors

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	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance	0.5	Ic	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Approach fill repair. m³. Priority:High	Repair downstream left bank fill slope
2 Channel. Add Riprap (placed). m³. Priority:High	Replace eroded riprap left bank
3 Approach. Area/sight line brushing. m². Priority:Medium	Brush approaches
4 Approach. Approach surfacing grading. m. Priority:Medium	Grade approaches
5 Approach. Approach fenders (install). # of units. Priority:Medium	Replace all fenders
6 Structure. Full Curb Replacement. . Priority:Medium	Replace guardrail, risers, blocks and delineators
7 Structure. Clean Deck. # of delineators. Priority:Medium	Clean deck
8 Channel. Remove aggraded material. priority:Medium	Remove aggraded material from stream channel

Item	Monitor Description	Frequency
1	Stream aggradation and debris accumulations	Routine Inspection
2		
3		



Approach from Left Bank when facing downstream



Downstream left bank erosion



Downstream left bank erosion



Upstream from Crossing



Downstream from Crossing



Riser condition



Approach from Right Bank when facing downstream



Minor damage noted along bottom flange



Eroded riprap at left bank



Downstream Profile



Left Bank Abutment when facing downstream



Upstream girder has stiffeners on upstream end



Structure ID



Non composite deck



Right Bank Abutment when facing downstream



Organics in fill