

CK-2253

SQUEAH 3.2km

2019 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude		
49°24'57.6"	-121°25'1.2"		
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	Longitude		
49°24'58.06"	-121°25'2.49"		
HD Diff. (m)	29.5	Accuracy (m)	5
L100 or 91 tonnes			

Inspection

Date of Inspection 2019-05-01 10:08:35 AM

Recommended Next Inspection Year 2022

Inspector Name Tyson Miller

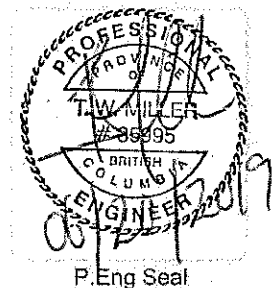
Inspection Company FLNRORD

Inspector Comments

Consider adding riprap upstream of bridge crossing where debris accumulations are starting. The stream changes direction 60 degrees here.

P.Eng Comments

Clean debris accumulations from beneath the bridge and upstream the crossing location. Consider adding additional riprap upstream where the debris accumulations are, where the stream changes direction significantly. Add surfacing materials to both approaches and brush. Monitor the debris accumulations at this site. The current load rating of L100 or 91 tonnes to continue.



P.Eng Seal

CK-2253

SQUEAH 3.2km

2019 Inspection



CBR iPad Offline Ver 0.31

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 Fair Logs

Posted Load Rating 68040

Road Surface Poor Requires surfacing at both approaches

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 Good

Riprap Good

Bearings Good

Corrosion Protection Good

CK-2253

SQUEAH 3.2km

2019 Inspection

CBR iPad Offline Ver 0.31



Deck

Running Surface **Good**

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 **Good**

Hand Rails/Walkouts

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

CK-2253

SQUEAH 3.2km

2019 Inspection



CBR iPad Offline Ver 0.31

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

CK-2253

SQUEAH 3.2km

2019 Inspection

CBR iPad Offline Ver 0.31



Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	10.0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments Stream aggrading in the center of channel directing flow towards left abutment

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Clean debris from stream channel above bridge crossing and under bridge
2	High	Add surfacing to both approaches prior to industrial activity
3	Low	Brush approaches

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

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



No surfacing at left approach



Deck



Left bank ballast wall installed 30mm lower than deck panels



Upstream from Crossing, note debris in stream



Downstream from Crossing



Approach from Right Bank when facing downstream



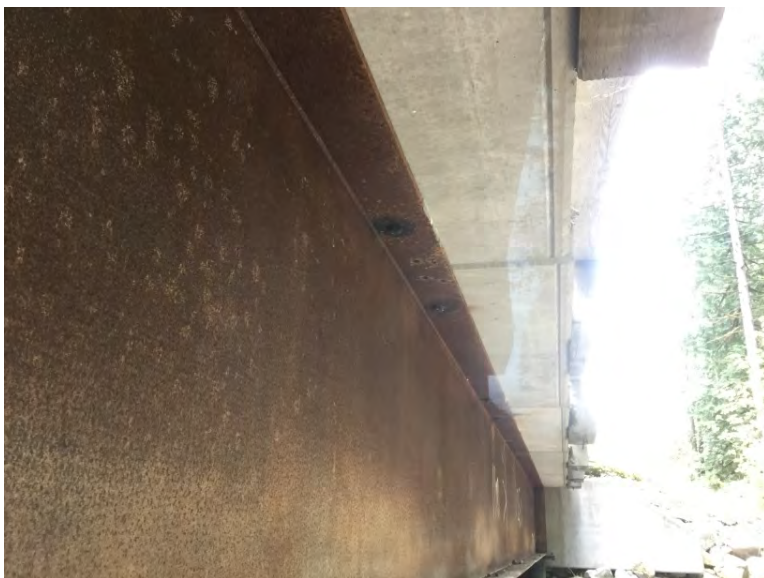
Debris in stream located above bridge crossing



Bank erosion upstream from bridge crossing



Upstream Profile



Deck bolts installed and functional



Some damage noted to bottom flange of downstream girder



Stiffeners on outside of upstream girder but not downstream girder



Left Bank Abutment when facing downstream



Bolt holes in stiffeners but all bracing welded



Structure ID