

CK-2239

SOWERBY 6.5km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°16'55.2"	-121°28'2.7"		
Crossing Name	Sowerby Creek		
FSR #	8112	Branch #	1
Road Name	SOWERBY		
User km	6.5		
Current Load Rating (tonnes)	68		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete Composite		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	21.3		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°16'55.47"	-121°28'2.84"		
HD Diff. (m)	8.9	Accuracy (m)	5
L75 or 68 tonnes			

Inspection

Date of Inspection 2018-10-04 12:53:26 PM

Recommended Next Inspection Year 2021

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

The road has been eroded in a number of locations and in some instances there isn't any road ballast remaining. The road will require extensive work prior to industrial activity. Only accessible by off road vehicles

P.Eng Comments

Replace guardrail, risers and blocks. Place fenders, brush approaches and post bridge ahead signs. Current load rating of L75 or 68 tonnes to continue.



04/02/2019

P.Eng Seal

CK-2239

SOWERBY 6.5km

2018 Inspection



CBR iPad Offline Ver 0.28

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 None

Posted Load Rating Not posted

Road Surface Poor Eroded in many locations

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

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-2239

SOWERBY 6.5km

2018 Inspection

CBR iPad Offline Ver 0.28

**Deck**

Running Surface

Eroded in many locations

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Fair

Grout Pockets

Good

Deck Joints

Fair

Hairline cracks noted on surface of all joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts

Poor

Rotten

Hand Rails/Walkouts

Hardware

Poor

Loose rail bolts

Overall Deck Condition

Poor

Due to rail condition

Gravel Depth (mm)

CK-2239

SOWERBY 6.5km

2018 Inspection

CBR iPad Offline Ver 0.28

**Steel/Concrete**

Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware Good

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-2239

SOWERBY 6.5km

2018 Inspection

CBR iPad Offline Ver 0.28



Hazards

Estimated Present Water Level Depth (m)	0.8	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	10.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Low	Replace guardrail, risers and blocks prior to activity
2	Low	Brush approaches and place fenders prior to activity
3	Low	Post bridge ahead signs

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Missing guardrail



Deck



Upstream from Crossing

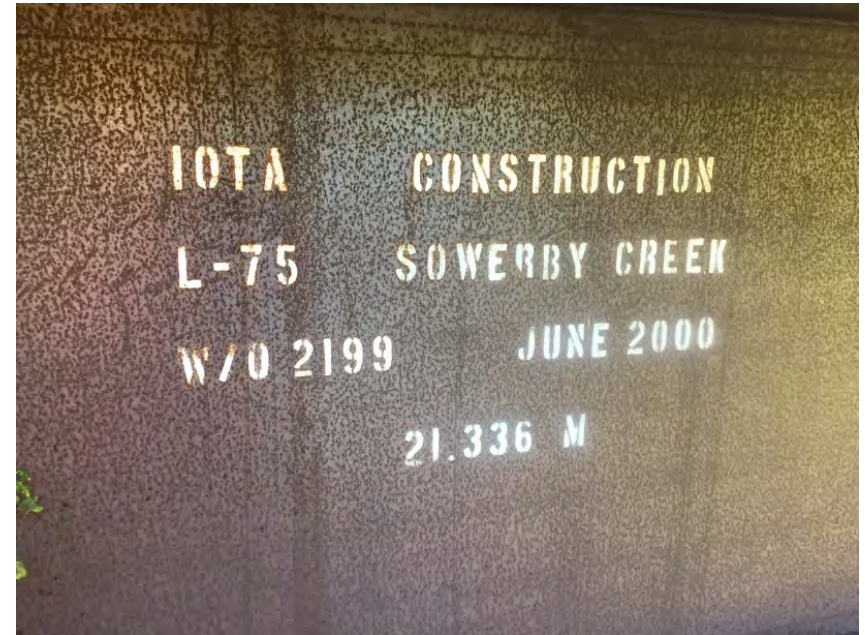
CK-2239

SOWERBY 6.5km

2018 Inspection



Downstream from Crossing



Structure ID



Approach from Right Bank when facing downstream



Left Bank Abutment when facing downstream



Damage



Superstructure



Right Bank Abutment when facing downstream



Hairline cracks noted at surface in all deck joints