

CK-2239
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SOWERBY 6.5km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°16'55.2" Longitude -121°28'2.7"

Site Status Active

Insp. Status Inspect

Crossing Name Sowerby Creek

FSR # 8112 Branch # 1

Road Name SOWERBY

User km 6.5

Previous 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 49°16'55.64" Longitude -121°28'2.88"

HD Diff. (m) 13.9 Accuracy (m) 6

Inspection

Date of Inspection 2022-11-02 2:00:42 PM

Inspector Name Cameron VandenBrink, EIT

Recommended Next Inspection 2024

Inspection Company Chartwell Resource Group Ltd

Inspector Comments Serial/ID Plate

Structure is sound. Requires road reactivation to be usable.

P.Eng Comments

Load Rated by: MoF, M.Lowe, RPF, PEng, February 16, 2023

Load Rating: 0 Tonnes GVW

Next Inspection: September 1, 2025

Comments: Continue 0 tonne load rating due to vehicle access restrictions and guard rail condition. Monitor bearing pads and deck joints.



PERMIT TO
PRACTICE: 1003022

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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 Fair Poor no fenders

Posted Load Rating Not posted

Road Surface Fair Fair at approaches. Washed or and eroded on way to structure

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills

Piles or Posts

Ballast Wall Good

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Good

Bearings Fair Bulging rubber.

Corrosion Protection Fair

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Deck

Running Surface Fair at approaches. Washed or and eroded on way to structure

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Minor damage centre of panel 4.

Grout Pockets Good

Deck Joints Fair Some cracking on all joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Poor-rotten

Hand Rails/Walkouts

Hardware Fair Poor-loose

Overall Deck Condition Fair Poor due to railing

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good 5 bolted bays

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
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Hazards

Estimated Present Water Level Depth (m)	1.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	10	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Approach surfacing grading. m. Priority:Low	Road deactivation required to get to structure. Brushing, grading etc.
2 Structure. Full Curb Replacement. . Priority:Low	Replace when road re opened. Post appropriate signs and signage then as well. Install guidelogs.

3

4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from bridge deck of Left bank approach when facing downstream



Guard Rail



Deck



Approach from bridge deck of Right bank approach when facing downstream



Approach from Right Bank when facing downstream



Cracking deck joint



Structure ID



Bearing



Left Bank Abutment when facing downstream



Downstream Profile



Upstream Profile



Right Bank Abutment when facing downstream



Superstructure