

CK-2124

SHOVEL CREEK 2.9km

2017 Inspection



CBR iPad Offline Ver 0.26

CBR Data

Latitude	Longitude
49°47'11.19"	-121°49'37.1"
Crossing Name	Spade Creek
FSR #	5748
Branch #	6
Road Name	SHOVEL CREEK
User km	2.9
Current Load Rating (tonnes)	64
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)	24.4
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°47'11.05"	-121°49'37.46"
HD Diff. (m)	8.5
Accuracy (m)	5

Inspection

Date of Inspection 2017-08-01 9:56:32 AM

Inspector Name Tyson Miller

Inspector Comments

Recommended Next Inspection Year 2020

Inspection Company MFLNRO

P.Eng Comments

At left upstream approach, replace missing fill and add riprap to protect against future fill failure. Adjust concrete fender at same location as guardrail post is currently exposed. Monitor fill at both approaches. Current load rating of BCL 625 or 64 tonnes to continue.



05/02/2018

P.Eng Seal

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Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs
Missing
☒ 0
 ☐ 1
 ☐ 2

Brushing Required N

Delineator Missing
Left
☒ 0
 ☐ 1
 ☐ 2
Delineator Missing
Right
☒ 0
 ☐ 1
 ☐ 2

Fender Condition Poor

Due to failing fill no posts on left upstream have failed off surface

Posted Load Rating 63730

Road Surface Fair

Fair to poor - wilderness road

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 Poor

Failing at both approaches, but especially left upstream

Riprap Fair

Steep at left upstream

Bearings Fair

Bolts at extent of slot causing pads to buldge

Corrosion Protection Good

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Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts **Good**

Concrete Deck **Good**

Grout Pockets **Good**

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)

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Steel/Concrete

Serial/ID Plate See photo

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

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	13.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Replace missing fill and rearrange concrete no post barriers at left upstream approach
2	Medium	Additional riprap to be added to left upstream bank to help protect future failing fill
3		

Item	Monitor Description	Frequency
1	Left upstream fill erosion	Routine Inspection

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Failing left upstream no post barriers



Approach from Left Bank when facing downstream



Deck



Looking upstream from deck



Approach from Right Bank when facing downstream



Looking downstream from deck



Approach from Right Bank when facing downstream



Structure ID



Steep riprap at left upstream



Left Bank Abutment when facing downstream



Splice plate



Right Bank Abutment when facing downstream



Superstructure



Small spall at left ballast wall



Splice plates

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Deck bolts