

CK-2072

BENCH 5.2km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°5'10.2"	-121°42'9.5"		
Crossing Name	Wells Ranch Creek		
FSR #	5127	Branch #	10
Road Name	BENCH		
User km	5.2		
Current Load Rating (tonnes)	68		
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)	12.2		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°5'10.2"	-121°42'12.67"		
HD Diff. (m)	64.2	Accuracy (m)	10
L75 or 68 tonnes			

Inspection

Date of Inspection 2018-06-20 12:47:39 PM

Recommended Next Inspection Year 2021

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace guardrail, risers and blocks. Repair damage to concrete on both approach panels and the left abutment ballast wall, consistent with the Concrete Repair Guide for Concrete Bridge Components (FLNRO, 2017). Brush and grade approaches. Present load rating of L75 or 68 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

VC both approaches limits visibility

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

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

Fender Condition Good

Posted Load Rating 68040

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Fair Damage noted to top and bottom of left abutment

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Good Tied into old logs

Bearings Good

Corrosion Protection Good

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**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts Good

Concrete Deck Fair Both approach panels have damage where rebar is exposed

Grout Pockets

Deck Joints Good

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)

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**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

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments Water line under bridge

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Replace guardrail, risers and blocks
2	Medium	Repair both approach deck panels and left abutment ballast wall
3	Medium	Brush and grade approaches

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

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Approach from Right Bank when facing downstream



Deck



Load Rating Sign



Upstream from Crossing



Downstream from Crossing



Damage to ballast wall and deck panel at left approach



Approach from Left Bank when facing downstream



Deck bolts



Damage to panel 1 at left approach



Damage to panel 1 at left approach



Damage to panel 1 at left approach



Damage to ballast wall at left approach

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Structure ID



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Damage to panel 1 at right approach