

SC-8051

MCNAIR 0.8km

2019 Inspection



CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude
49°30'36.39"	-123°29'49.1"
Crossing Name	Dakota Creek
FSR #	8629
Branch #	1
Road Name	MCNAIR
User km	0.8
Current Load Rating (tonnes)	136
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°30'37.99"	-123°29'48.58"
HD Diff. (m)	50.2
Accuracy (m)	5

Inspection

Date of Inspection 2019-04-12 12:34:27 PM

Inspector Name Richard Mills

Recommended Next Inspection Year

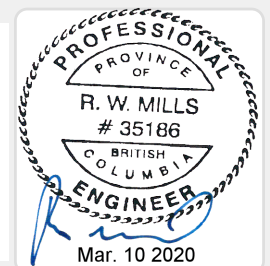
Inspection Company MFLNRO

Inspector Comments Serial/ID Plate

Unstable channel upstream from crossing. Bank behind upstream riprap bank protection (approx 100m upstream from crossing, on left) has been scoured. May require future assessment and repair.
Historic high flows. Riprap appears stable. Bridge constricts channel.

P.Eng Comments

Load Rated by: Forrest Simpson, EIT, Mar 2, 2020
Load Rating: L150 or 136 tonnes
Next Inspection: 2022



P.Eng Seal

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Approach

Alignment Good

 Bridge Ahead Signs
 Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

 Delineator Missing
 Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
 Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating

Road Surface Good Paved

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good

Caps or Sills Good

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Fair Heavy riprap extending upstream both sides. Scoured section left side, upstream from crossing.

Bearings Fair

Corrosion Protection Fair Minor surface rust on painted piles.

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**Deck**

Running Surface	Good	Paved
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Running Planks		
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Sub Deck		
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Ties		
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Nails		
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Deck to Girder Bolts		
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Concrete Deck	Good	Viewed from underside.
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Grout Pockets	Unrated	Paved; unable to see
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Deck Joints	Good	Good from underside.
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Steel Deck Plate		
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Gravel Surface		
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Curb Rail/Blocks/Posts	Fair	Treated, but starting to age.
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Hand Rails/Walkouts		
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Hardware		
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Overall Deck Condition	Good	
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Gravel Depth (mm)		
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**Steel/Concrete**

Girders Good

Minor surface rust. Painted superstructure.

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)	2.0	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	8	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
1	Monitor scour upstream. May require repair.	Anually

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Upstream from Crossing



Upstream from Crossing



Approach from Right Bank when facing downstream



Upstream Profile



Upstream from Crossing - left bank upstream from crossing



Upstream from Crossing



Upstream from Crossing



Left Bank Abutment when facing downstream



Superstructure



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Downstream Profile



Looking upstream. Note scoured bank on right.



Deck



Right Bank Abutment when facing downstream

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