

CK-2441

DEWDNEY WEST 1.5km

2017 Inspection

CBR iPad Offline Ver 0.26



CBR Data

Latitude	Longitude
49°28'28.49"	-121°15'39.4"
Crossing Name	Fifteen Mile Creek
FSR #	10452 Branch # 1
Road Name	DEWDNEY WEST
User km	1.5
Current Load Rating (tonnes)	68
Structure Class	Temporary Bridge
Portable	N
Superstructure	Rail Car
Deck Type	Timber - Untreated
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	16
Deck Width (m)	5.6

Updated Data

Latitude	Longitude
49°28'27.93"	-121°15'39.76"
HD Diff. (m)	19.0 Accuracy (m) 5
40 tonnes	

Inspection

Date of Inspection 2017-08-24 9:56:57 AM

Recommended Next Inspection Year 2019

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

Check age of structure as deck is now starting to show signs of decay and should be replaced prior to industrial use

P.Eng Comments

The FERIC Technical Report (SR-98) for railcar bridges specifies a design life of 10 years. This structure has now been installed for this length of time and the deck is at the end of its industrial life. The railcar subframes are still in fair condition and can be used for further industrial traffic once the deck system has been replaced; however the user must be aware of the risks associated with using this style of superstructure. Replace the ties, planks, guardrail and risers. Brush approaches and post bridge ahead signs. Limit loading to 40 tonnes until the deck is replaced. Post load rating sign.



08/09/2017

P.Eng Seal

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Approach

Alignment Fair

HC both approaches

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

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good

Lock blocks (5) each abutment

Caps or Sills Fair

Timber - 300mm x 300mm with a 75mm x 300mm attached to both faces

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Fair

Fill Fair

Riprap Fair

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks Fair Wearing on wheel path at both ends

Sub Deck

Ties Fair Starting to show signs of decay

Nails Fair

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

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**Steel/Concrete**

Serial/ID Plate

Girders Fair

Twin rail cars - slight corrosion

Diaphragms

Bracing

Under Trussing

Hardware Fair

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)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	6.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Brush approaches prior to industrial use
2	Medium	Post bridge ahead signs
3	Medium	Replace ties, planks, guardrail and risers prior to industrial use

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Looking upstream from deck



Deck



Looking downstream from deck



Approach from Right Bank when facing downstream



Timber deck from underneath



Right Bank Abutment when facing downstream



Timber sill