

SQ-3185

HIXON 6.9km

2019 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°31'25.6"	-122°50'7.5"
Crossing Name	Belknap Creek
FSR #	4823
Branch #	5
Road Name	HIXON
User km	6.9
Previous Load Rating (tonnes)	0
Structure Class	Permanent Bridge
Portable	N
Superstructure	Compo Girders
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	22.5
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
49°31'26.28"	-122°50'9.02"
HD Diff. (m)	37.0
Accuracy (m)	5

Inspection

Date of Inspection 2019-09-16 1:00:51 PM

Inspector Name Greg Dohm

Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Rotting curb rails to be replaced prior to industrial use. Downrate to 5 tonnes until curb rails replaced.

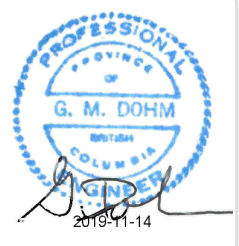
P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., November 14, 2019

Load Rating: L120 or 109 tonnes

Next Inspection: 2022

Comments: Curb rails were subsequently replaced after the inspection. Load rating for bridge to be set at original load rating of L120 or 109 tonnes.



P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor Missing

Posted Load Rating

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier N/A

Concrete Fair

Caps or Sills N/A

Piles or Posts Fair

Ballast Wall Fair

Wing Wall N/A

Bracing N/A

Hardware Fair

Fill Fair

Riprap Fair

Bearings Fair

Corrosion Protection Fair

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**Deck**

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	
Grout Pockets	Unrated	Gravel on deck
Deck Joints	Unrated	Gravel on deck
Steel Deck Plate	N/A	
Gravel Surface	Fair	
Curb Rail/Blocks/Posts	Poor	Rotting and loose curb rails
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Poor	Rotting curb rails
Gravel Depth (mm)		
Pier Deck		

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**Steel/Concrete**

Girders Fair

Diaphragms Fair

Bracing N/A

Under Trussing N/A

Hardware Fair

Welded/grouted
shear connectors N/A**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	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Rotting curb rails to be replaced prior to industrial use

2

3

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Guard Rail



Guard Rail



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Downstream Profile



Downstream Profile



Bearing



Downstream Profile



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Load Rating Sign

POST CURB REPLACEMENT
PHOTOS FROM NOVEMBER 2019

DSQ – 3185

Hixon Bridge Guard Rail Replacement

Km 6.5







