QC-7037	BONANZA 8.4km	2019 Inspection

CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°24'7.4"	-132°30'55.5"

Crossing Name	Beaverguard Creek
FSR #	8229
Branch #	07
Road Name	BONANZA
User km	8.4
Previous Load Rating (tonnes)	150
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Concrete Precast
Abutment Right	Concrete Precast
Spans	1
Total Length (m)	11
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
53°24'7.06"	-132°30'57.16"

HD Diff. (m)	32.3	Accuracy (m)	5

Inspection

Date of Inspection	2019-09-09 3:29:19 PM	Recommended Next Inspection Year	2022
Inspector Name	Lindsey McGill	Inspection Company	Chartwell Consultants Ltd.

Inspector Comments

Serial/ID Plate 'BCTS, CHE-0015B, L165, 11-12-080, March 2012, 11 Meters'. Surespan

See notes.

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 11, 2020
Load Rating: 150 Tonnes GVW
Next Inspection: September 1, 2022
Comments:

P.Eng Seal

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	Fair	Damaged from grader but still functional.
Posted Load Rating		
Road Surface	Fair	Requires grading

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Pier	N/A	
Concrete	Good	
Caps or Sills	Good	
Piles or Posts	Fair	
Ballast Wall	Good	
Wing Wall	Good	
Bracing	Unrated	No access to confirm
Hardware	N/A	
Fill	Good	
Riprap	Good	Adequately sized, well graded and at a 2H:1V slope
Bearings	Good	
Corrosion Protection	Unrated	No access to confirm

Deck

Running Surface	N/A	Requires grading
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	Ends of girders are being impacted and are chipping. No rebar exposed yet. Suggest adding gravel to both approaches.
Grout Pockets	N/A	
Deck Joints	Fair	Looks to be grouted shear keys.
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good	6 concrete slab girders on approximately 15 degree skew.
Diaphragms	N/A	
Bracing	N/A	
Under Trussing	N/A	
Hardware	N/A	
Welded/grouted shear connectors	Fair	Appear to be-grouted. Lots of impacted gravel on deck.

Log

Log Curbs	N/A	Concrete no post barricades
Needle Beam		
Needle Lashing/ Shimming		

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment

Hazards

Estimated Present Water Level Depth (m)	.1	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	1.6	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	1.7	Ice ☐	

Comments: Low velocity stream with limited debris

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Add fill to patch pot holes on approaches in an attempt to limit further damage to ends of slab girders. Patch ends as required.
2	Low	Post bridge ahead signs
3	Low	Clean all debris off deck

Item	Monitor Description	Frequency
1	Monitor further damage to ends of girders.	Routine Inspection
2		
3		

Sketch
(Select Signature)

Structure ID

Right Bank Abutment when facing downstream

Upstream Profile

Left Bank Abutment when facing downstream

Downstream Profile

End of girder, right bank

Approach from Right Bank when facing downstream

Upstream from Crossing

Downstream from Crossing

Approach from Left Bank when facing downstream