

CK-2511

CHEHALIS-BOULDER 3km

2016 Inspection



CBR iPad Offline Ver 0.23

CBR Data

Latitude	Longitude
49°18'37.1"	-122°0'13.7"
Crossing Name	Boulder Creek
FSR #	8241
Branch #	17
Road Name	CHEHALIS-BOULDER
User km	3
Current Load Rating (tonnes)	91
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	18.3
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
49°18'37.92"	-122°0'12.38"
HD Diff. (m)	36.8
Accuracy (m)	10

Inspection

Date of Inspection 2016-08-30 11:12:37 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Monitor the bearing plate deformation and the riprap stability. The record drawing indicates L100 or 91 tonnes load rating, please send the Crossing Assurance Statement for confirmation.



19/01/2017

P.Eng Seal

CK-2511

CHEHALIS-BOULDER 3km

2016 Inspection



CBR iPad Offline Ver 0.23

Approach

Alignment Fair

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

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

Fender Condition Good

Posted Load Rating 91 new sign with multiple restrictions

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair recycled plates - slightly deformed on 3 of 4

Piles or Posts Good

Ballast Wall Good

Wing Wall N/A

Bracing Good

Hardware Good

Fill Good

Riprap Fair all rounded with toe exposed

Bearings Fair

Corrosion Protection Good

CK-2511

CHEHALIS-BOULDER 3km

2016 Inspection



CBR iPad Offline Ver 0.23

Deck

Running Surface Good

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Good

Grout Pockets Good

Deck Joints Good

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts N/A

Hardware N/A

Overall Deck Condition Good

Gravel Depth (mm)

CK-2511

CHEHALIS-BOULDER 3km

2016 Inspection



CBR iPad Offline Ver 0.23

Steel/Concrete

Serial/ID Plate

Girders Fair recycled - approx 2240mm center to center

Diaphragms Fair

Bracing Fair

Under Trussing N/A

Hardware N/A

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

CK-2511

CHEHALIS-BOULDER 3km

2016 Inspection



CBR iPad Offline Ver 0.23

Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	9.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
-------------	----------	--------------------

1

2

3

Item	Monitor Description	Frequency
1	bearing plates	Anually
2	riprap for scour	Anually

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



load rating sign



Approach from Right Bank when facing downstream



Deck



Approach from Left Bank when facing downstream



Structure ID



Approach from Left Bank when facing downstream



outline of rapid span



recycled steel girders



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



minor bracing damage



minor diaphragm damage



looking upstream



bearing plates slightly deformed on right bank and downstream left bank



looking downstream