0.4km Squeah FSR | Squeah FSR 0.4km | 2016 Inspection

CBR iPad Offline Ver 0.23

CBR Data

Latitude	Longitude
°0'0"	°0'0"

Crossing Name	unknown
FSR #	Branch #
Road Name	Squeah FSR
User km	0.4
Current Load Rating (tonnes)	unknown
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2000
Opening Width (mm)	2000
Inlet Cover (mm)	300
Outlet Cover (mm)	1000
Culvert Gradient %	5
Culvert Length (m)	14

Updated Data

Latitude	Longitude		
49°23'57.63"	-121°24'50.52"		
HD Diff. (m)	9977176.1	Accuracy (m)	5

BCL-625 or 63 tonnes

500	
1000	
8	

Inspection

Date of Inspection	2016-08-05 11:27:33 AM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

No information on file with regards to this structure or install. Limit loading to BCL-625 or 63 tonnes load rating. Monitor debris accumulations and aggradation at the inlet.

06/03/2017

P.Eng Seal

Approach

Alignment	Fair	HC both approaches
Bridge Ahead Signs Missing	(•) 0 ( ) 1 ( ) 2	
Brushing Required	N	
Delineator Missing Left	(•) 0 ( ) 1 ( ) 2	
Delineator Missing Right	(•) 0 ( ) 1 ( ) 2	
Fender Condition	Unrated	NA
Posted Load Rating		not posted
Road Surface	Fair	

Abutment

Log/Timber Cribs	
Tie Backs	
Bin Wall	
Concrete	
Caps or Sills	
Piles or Posts	
Ballast Wall	
Wing Wall	N/A
Bracing	
Hardware	
Fill	Fair
Riprap	Fair
Bearings	
Corrosion Protection	

Culvert

Baffles	N/A	
Bolted Connections	N/A	
Coating	Fair	
Coupled Connections	Good	
Embedment Materials	N/A	
Fill	Fair	
Floor	Fair	some damage most likely from installation
Footing	NA	
Head Walls	N/A	
Inlet	Fair	aggradation and debris accumulations
Outlet	Fair	2m drop but rock and bedrock noted - stable
Overall	Fair	
Rip Rap	Fair	
Roof	Fair	some damage most likely from installation
Sidewalls	Fair	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1		
2		
3		

Item	Monitor Description	Frequency
1	aggradation and debris accumulations	Routine Inspection
2		
3		

Sketch
(Select Signature)

0.4km Squeah

Squeah FSR 0.4km

2016 Inspection

Approach from Left Bank when facing downstream

looking downstream from road

Approach from Right Bank when facing downstream

looking upstream from road

0.4km Squeah

Squeah FSR 0.4km

2016 Inspection

Inlet

damage to floor

damage to roof

2.0m drop at outlet