

QC-7025

MORESBY 3.5km

2015 Inspection



CBR iPad Offline Ver 0.20

CBR Data

Latitude	Longitude		
53°5'49.59"	-132°3'27.5"		
Crossing Name	11		
FSR #	10308	Branch #	01
Road Name	MORESBY		
User km	3.5		
Current Load Rating (tonnes)	150		
Structure Class	Major Culvert		
Culvert Type	Open Bottom		
Culvert Material	Corrugated Steel		
Opening Height (mm)	1200		
Opening Width (mm)	2100		
Inlet Cover (mm)	400		
Outlet Cover (mm)	400		
Culvert Gradient %	5		
Culvert Length (m)	7.3		

Updated Data

Latitude	Longitude	
°0'0"	-132°3'27.5"	
HD Diff. (m)	5910743.4	Accuracy (m)

1100

Inspection

Date of Inspection 2015-07-07 4:18 PM

Inspector Name Rick MacDonald

Inspection Company Chartwell Consultants Ltd.

Inspector Comments

Mini-Span IV structure. L-165 min. cover is 250mm

P.Eng Comments

Load Rated By: MFLNRO, Richard Mills P.Eng., Dec 1, 2015

Load Rating: L165 or 150 tonnes

Next Inspection: Sept 1, 2018

Comments: Monitor for scour.



P.Eng Seal

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Approach

Alignment **Good**

Bridge Ahead Signs Missing 0 1 2

Brushing Required **Y** Brush around structure encroaching on road.

Delineator Missing Left 0 1 2

Delineator Missing Right 0 1 2

Fender Condition **None**

Posted Load Rating **None posted**

Road Surface **Good**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall **N/A**

Bracing

Hardware

Fill **Good**

Riprap **Fair**

Bearings

Corrosion Protection

Culvert

Baffles	N/A	
Bolted Connections	Good	
Coating	Fair	Painted
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Good	
Floor		N/A
Footing	Fair	Steel Footing protected with small diameter riprap
Head Walls	Fair	Steel
Inlet	Fair	Small debris, fill leaking from road approaches
Outlet	Fair	Fill leaking from road approaches. Stream aggrading back to outlet.
Overall	Fair	
Rip Rap	Fair	
Roof	Fair	
Sidewalls	Fair	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

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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

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

Estimated Present Water Level Depth (m)	0.05	High Water	<input type="checkbox"/>	Debris	<input checked="" type="checkbox"/>
Estimated Present Water Level Width (m)	0.2	Aggradation	<input checked="" type="checkbox"/>	Scour	<input checked="" type="checkbox"/>
Estimated High Water Level Clearance (m)	0.7	Ice	<input type="checkbox"/>		

Comments Mini-Span IV structure. L-165 min. Cover is 250mm. Fill leaking down to steam from behind headwalls. Stream aggradation downstream of outlet.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Install riprap below headwalls to support approach fills.
2		
3		

Item	Monitor Description	Frequency
1	Monitor aggradation of stream channel below outlet for erosion under footings.	Annually
2		
3		

Sketch
(Select Signature)

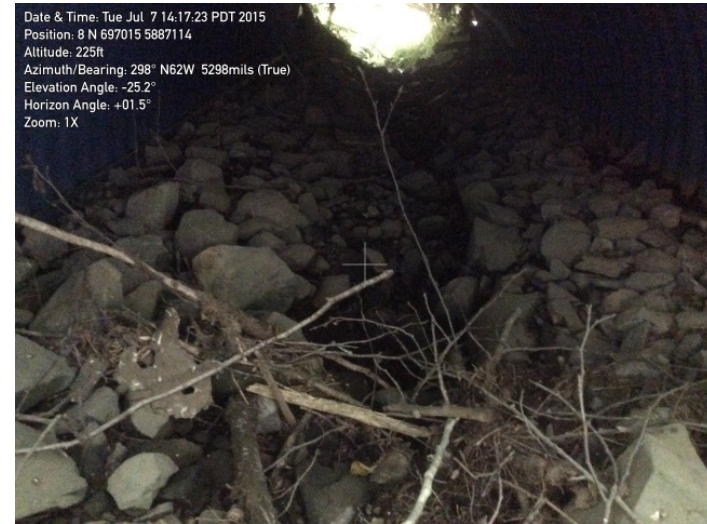
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Approach from Left Bank when facing downstream



Footings riprap



Outlet

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Downstream from Crossing



Approach from Right Bank when facing downstream