

Rails to Trails
Routine Condition Culvert Inspection Form



Crossing	Structure # KV-054	Site # 5-3	Km 109.2	UTM Zone 11 N	UTM E 247843	UTM N 5487063
Trail Name KVRT	Height (m) 3.3	Width (m) 3.3	Length (m) 60.0	Diameter (m)	Material CIP Concrete	Flumes (Y or N) No
Inspection Co. Name Sean Annan	Inspector's Signature 			Inspection Date September 13, 2019	Next Inspection	
GENERAL INFORMATION:						
GENERAL CULVERT ITEMS						
Item	Present Condition	Comments				
Baffles	NA					
Bolted Connections	NA					
Coupled Connections	NA					
Coating	NA					
Fill	NA					
Roof	Good	Board form concrete, free from cracks or spalling, as observed from inlet and outlet				
Side Walls	Good	Board form concrete, free from cracks or spalling, as observed from inlet and outlet				
Floor	Poor	Sand debris as observed from outlet. At inlet, scouring has exposed horizontal floor bars.				

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GENERAL INFORMATION:

LEFT/RIGHT APPROACHES (as seen facing downstream)

GENERAL CULVERT ITEMS

Item	Present Condition	Comments
Headwalls	Good	CIP Concrete at inlet and outlet. Minor spalling at front-top edge of middle of culvert 0.8m wide
Wing Walls	Good	CIP Concrete at inlet and outlet minor spalling in inlet right hand wing wall.
Inlet	Good	
Outlet	Good	
Riprap	NA	
Trash Rack	NA	
Aprons or Other Inlet/Outlet Items	NA	
Overall Condition	Good	

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GENERAL INFORMATION:

LEFT/RIGHT APPROACHES (as seen facing downstream)

Item	Present Condition	Comments
Alignment	NA	
Bridge Ahead Signs Missing	NA	
Brushing Required	No	
Approach Handrail/Guardrail	NA	
Posted Load Rating (tonnes)		
Road Surface	Good	

FLUMES

Upstream Flume	Good	Creek bed
Downstream Flume	Good	Creek bed

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CHANNEL						
	Est. Present Water Level Depth (m) 0.3	Est. Present Water Level Width (m) 5	Est. High Water Level Clearance (m) 3.25			
HAZARDS						
	High Water? No	Scour? Yes	Ice? No	Debris? No	Aggradation? No	
	Hazard Comments					
REPAIRS (Priority = High, Medium, Low)						
#	Priority	Description			Estimate (\$)	
1	Medium	Replace concrete floor			45000	
2						
3						
4						
5						
ITEMS TO MONITOR						
#	Description					
1	Floor for scour					
2						
3						
4						
5						
General Comments						
In good condition. Floor bars exposed due to scour. Floor to be monitored						
P. Eng Inspection Required?			No			
			Estimated Date of Replacement:			
PROFESSIONAL ENGINEER (P.Eng) CERTIFICATION			Replacement Date:			
Current Load Rating GVW (tonnes):		Reviewed by - P.Eng		Date Reviewed		
New Load Rating GVW (Tonnes):		Sean Annan				

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Location



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Outlet



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Outlet



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Spalling on top of headwall



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Spalling in wingwall at inlet



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Inlet



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Inlet

