Rails to Trails
Routine Condition Culvert Inspection Form

Crossing	Structure #	Site #	Length(m)	UTM Zone and E	UTM N
Boundary Creek	CW-064	CW-064	60.0	11 377510	5441184
Trail Name	**Km**		**Dimension(mm)**	**Culvert Material**	**Flumes (Y or N)**
CWRT	145.4		4000 est	stone	N
Inspection Co. Name	**Inspector's Name /Signature**			Inspection Date:	June 28 2012
SNT Engineering Ltd.	R.Johnson			Next Inspection:	1-Jun-14

GENERAL INFORMATION:

LEFT/RIGHT APPROACHES (as seen facing downstream)

E = excellent; G = good; F = fair; P = poor; N/A = not appl.

Item	Present Condition (circle or fill-in))					Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E	G	F	P		
Bridge Ahead Signs Missing	0	1	2		N/A	
Brushing Required		Yes		No		
Approach Handrail/Guardrail	E	G	F	P	N/A	
Posted Load Rating (tonnes)					N/A	
Road Surface	E	G	F	P		
GENERAL CULVERT ITEMS						
Baffles	E	G	F	P	N/A	
Bolted Connections	E	G	F	P	N/A	
Coupled Connections	E	G	F	P	N/A	
Coating	E	G	F	P	N/A	
Fill	E	G	F	P	N/A	Fill is 16m high
Roof	E	G	F	P	N/A	Could not inspect
Side Walls	E	G	F	P	N/A	Could not inspect
Floor	E	G	F	P	N/A	Could not inspect
Head Walls	E	G	F	P	N/A	
Wing Walls	E	G	F	P	N/A	DS LB: 3m section has failed and RB is scouring with cracks in wingwall
Inlet	E	G	F	P	N/A	
Outlet	E	G	F	P	N/A	Scour on LB behind failed wing wall
Riprap	E	G	F	P	N/A	
Trash Rack	E	G	F	P	N/A	
Aprons or Other Inlet/Outlet Items	E	G	F	P	N/A	
Overall Condition	E	G	F	P	N/A	
FLUMES						
Upstream Flume	E	G	F	P	N/A	
Downstream Flume	E	G	F	P	N/A	

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CHANNEL

Est. Present Water Level Depth (m)	Est. Present Water Level Width (m)	Est. High Water Level Clearance (m)
1.0 est.	15.0	3.5

HAZARDS (indicate Y or N)

High Water?	Scour?	Ice?	Debris?	Aggradation?
N	N	N	N	N

Hazard Comments	Scour is active on DS LB behind failed wing wall; monitor.

REPAIRS (H = High, M= Medium, L = Low)

#	Priority	Description	Estimate ($)
1		none	
2			
3			

ITEMS TO MONITOR

#	Description
1	Check downstream wing walls and scour behind Left wall
2	
3	

General Comments	

Solid structure but downstream wingwalls are failing, which is creating scour on left bank behind the wall.

P. Eng Inspection Required? Y **N** Estimated Date of Replacement: 2032

PROFESSIONAL ENGINEER (PEng) CERTIFICATION

Current Load Rating GVW (tonnes):	5	New Load Rating GVW (tonnes)		Replacement Date (2032)		
Reviewed by - P.Eng.	Les Thiessen		Date:	January 15, 2013		

Culvert Inspection Photos
Structure # : CW-064
Name of Crossing: : Boundary Creek
Name of Trail: CWRT
Km: 145.4
Inspection Date: June 28 2012
(Left and right as seen facing downstream)

Left Approach

Right Approach

Upstream View

Downstream View, showing failed wingwall