					Brido	e Culve	ert Insp	ection						
Bridge File Number 86141 -1 Bridge Culvert							Form Type			CUL1				
Year Built 2010		- 1 Bridge Guivert				Lot No.			2					
Bridge or Town Name SPIRIT RIVER						Inspector Name		Russel Vanderschaaf						
			ARD CREEK, 8.1.65.2, WATERCRS-				Inspector Class		BR CLS B					
ST						Assistant Name		DI OLO D						
Located On 727:02 C1 4.841						Assistant Class								
Water Body Cl./Year						Inspection Date		29-Jun-2012						
Navigabil. Cl./Ye	ear						Data Entry By		Theresa Lacusta					
Legal Land Loca	ation	NE SEC	2 TMD 70 DCE 7 M6M				Data Entry Date		13-Aug-2012					
Longitude, Latitude -119:00:1		11 55.40.24				Reviewer Name		Eric Carcoux						
		Transportation (AIT)					Review Date		13-Aug-2012					
Contract Main. Area CMA05							Dept. Reviewer Name		David Morrison					
Clear Roadway/	Skew	9 /					•	Dept. Review Date		30-Oct-2012				
AADT/Year		240 / 201	11 (A)				Follow			30-061-2012				
Road Classificat	ion	RLU-209					Tollow-op by							
Detour Length (F	km)	18												
Bridge Culvert		ation												
Number of Culve	erts	1								I				
Pipe #	Barrel	S	Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	1	0000	5500		AP		116			THIORICOS	ARCH		
Special Features				0000		,		11.0		<u> </u>		7		
Special Features		ment												
Ороская гоская с														
					Ut	ilities (L	ocated	at)						
Utility Attachmer	nts													
Telephone					Gas									
Power						Municipal								
Others					Problem (Y/N) No									
Remarks														
				A				ankment						
				Last		Explanation of Condition								
Horizontal Alignment			7	7	No Snowmobile sign at top of slopes, Howard creek signs at culve Curves at top of hills & in sag.									
Vertical Alignment			6	6		•								
Roadway Width	(m)		9.000											
Embankment					9	3	Erosio	n occuring	g at N &	& S end on u/s	end and N. en	d on d/s end at		
Sideslope (:1)		4.5			ends of wingwalls.									
(Height of Cover(m): 7.8)														
Guardrail (Y/N)			Yes				At toe of slopes.							
,														
Approach Road	d / Emb	oankmen	t General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	nent				Last	Now		ation of	Condi	tion				
Direction			W											
End Treatment (Others, None)	Concre	ete, Steel,	CONCRETE											
Headwall			9	3	Exposed anchors rusting from old rail locationphoto									
Collar			9	9	Vertical wall between barrel and wingwall.									
Wingwalls			8	3	Narrow	cracks (shrinka	ige) North wall.						
(Shape:)					Flexible	Flexible joint filler failing. Diagonal cracking off drains in winwallphoto								
Cutoff Wall			N	N										

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	<u> </u>	X	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1450			
Scour Protection		9	9	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 800)				
Scour/Erosion		9	9	
Beavers (Y/N)	No			
Unstroom End Conoral Poting		8	3	
Upstream End General Rating		•	3	
				Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		an (mm): 1000	0, Rise (mm): 5500, Type: AP)
Barrel Last Accessible Date	29-Jun-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		9	9	Narrow shrinkage cracks throughout structure.
Measured Rise (mm)	5475			Estimated due to water/silt/gravel.
Measured At Ring No.				
Sag (mm)	25			
Percent Sag				
Sidewall		8	3	Measured span 10006 at CL.
Measured Span (mm)				Narrow heat and shrinkage cracks throughout structure.
Measured At Ring No.				
Deflection (mm)	6			Small void 0.25x0.03m at N wall GB/58 joint-photo Form tie hjoles leaking small u/s transition, and N wall at 1/2 joint
Percent Deflection	0			photos
Floor		8	8	Near centerline
Bulge (mm)	0			850mm silt-gravel d/s end.
Measured At Ring No.				- 000mm siit-gravei u/s enu.
Abrasion (Y/N)	No			
Circumferential Seams		9	9	Concrete cold joints.
Separation (mm)	0			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	Х	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bric	lge Cu	lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 1000	0, Rise (mm): 5500, Type: AP)					
Fish Passage Adequacy		9	9						
Baffle		N	N	Only able to view some tops.					
(Type: SPOILER)									
Waterway Adequacy		9	9						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		8	3						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		E							
End Treatment (Concrete, Steel, Others, None)	CONCRETE		ı						
Headwall		9	9						
Collar		9	9	Vertical wall between barrel and wingwall.					
Wingwalls		9	3	Flexible joint filler failingphoto					
(Shape :)									
Cutoff Wall		N	N						
Bevel End		Х	Х						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	250								
Scour Protection		9	9						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 800)									
Scour/Erosion		9	9						
Beavers (Y/N)	No								
Downstream End General Ratir	ng	9	3						
		s	tructu	re Usage					
		Last Now		Explanation of Condition					
Channel (U/S and D/S)									
Alignment			8						
Bank Stability			7	Vertical banks u/s and d/s.					
HWM (m below Top of Culvert)				NO HWM visible					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading									
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		8	8						

		Maintenance Re	commendati	ions					
Inspector Recommendations	Year	Inspector Comments	D	Department Comn	nents		Target Year	Est. Cost	Cat
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LININ	G								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION	2012	Repair cracks in wingwalls off drain	5.						
OTHER ACTION		Repair erosion at ends of wingwalls.							
OTHER ACTION	2012	Repair leaking form tie holes.							
OTHER ACTION		Repair caulking at wingwalls.							
OTHER ACTION		Repair void at GB/5B joint.							
OTHER ACTION		Remove exposed anchors at headw patch.	all and						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/l	Now) 88.9/3	3.3 Sufficiency Rating (Last/l	Now) 92.	.1/56.3	Est. Repl. Yr	2070	Maint. Red	qd. (Y/N)	Yes
Special Warranty work - L Comments for Next Inspection	etter sent to AR.	A July 12, 2012.	D	Department Comments					
Maintenance Reviewed By			D	Date			Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientsc	h	Previous Ass	Assistant's Name Clem Guenette					
Next Inspection Date	29-Sep-2015			spection Date					
Inspection Cycle (Default) (months)	39				05-Mar-2012				
moposition ogolo (Doladit) (months)	30								