					Brido	ie Culve	ert Insn	ection						
Bridge File Nu	mber	72565 -2 Bridge Culvert				dge Culvert Inspection Form Type				CUL1				
Year Built 2000						Lot No.			4					
Bridge or Town Name BONNYVILLE						Inspector Name			Todd Warshawski					
Located Over			RIEL CREEK, 7.5, WATERCRS-ST				Inspector Class			BR CLS B				
Located On							Assistant Name							
Water Body Cl	L/Year	000.02	0.0000				Assistant Class							
Navigabil. Cl./Year					Inspection Date			15-Dec-2011						
Legal Land Lo		SE SE	C 14 TWP 61 R	GE 5 W4N	M		Data Entry By			Theresa Lacusta				
			3:28, 54:16:05				Data Entry Date		04-Jan-2012					
						Reviewer Name		Eric Carcoux						
Contract Main. Area CMA08						Review Date		30-Dec-2011						
						Dept. Reviewer Name								
AADT/Year	<i>J.</i>						Dept. Review Date		05-Jan-2012					
Road Classific	ation	RAU-2												
Detour Length		3					Follow-Up By							
Bridge Culver														
Number of Cul			1											
Pipe #	Barrel		Span	Rise (or		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		5235	3285		RPE		38.4		152X51	4.0	ELLIPSE		
Special Featur	Special Features CONC FLOOR													
Special Featur	es Com	ment												
					Ut	ilities (L	_ocated	at)						
Utility Attachm									1					
Telephone							Gas							
Power		re North r/w.					Munici							
Others Fibre optics in both ditches  Remarks BF tag on N headwall.					Proble	m (Y/N)	No							
Remarks	BF ta	g on N r	neadwall.	Α.		ah Baa	d / Easte							
				A		Now		ankment nation of		tion				
Harizantal Alignment				9	9	LAPIGI	iation or	Condi	tion					
Horizontal Alignment  Vertical Alignment			9	9										
Roadway Width (m) 10.100														
Fact and an and				7	7									
	Embankment		4.0		7	/								
Sideslope (:1)														
Guardrail (Y/N		. 0.4)	No											
		b = l			•									
Approach Ko	au / EMI	Dankme	ent General Rat	ung	9	9								
Culvert Comm	onort				Last	Now	am End		Condi	tion				
Culvert Component			S	IAOM	Explanation of Condition  Wide flood plain.									
End Treatment (Concrete, Steel, CONCRETE			J		VVIGET	ood piaii	1.							
Headwall	Others, None) Headwall			7	7	Patche	es.							
Collar			7	7										
Wingwalls			Х	X										
(Shape: )				1										
Cutoff Wall			N	N										
Cuton Wall			.,	.,										

72565 -2 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	1000									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
		7	7							
Upstream End General Rating		7	7							
Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca		ın (mm	): 5235	, Rise (mm): 3285, Type: RPE)						
Barrel Last Accessible Date	15-Dec-2011									
Special Features										
Special Feature		N	N							
(Type : CONC FLOOR)										
Special Feature				Concrete relieving slab.						
(Type:)										
Roof		9	7							
Measured Rise (mm)				Some flattening at ring 1-2, 7-8 Sag estimate as measured off ice.						
Measured At Ring No.	2			- Jay estillate as measured on ice.						
Sag (mm)	30									
Percent Sag 1										
Sidewall		9	8							
Measured Span (mm)	5275									
Measured At Ring No.	1									
Deflection (mm)	40									
Percent Deflection	1									
Floor		N	N	Under water/ice.						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		N	8	Upper 1/2 rated.						
Separation (mm)	0									
Longitudinal Seams		N	8	Upper 1/2 rated.						
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N) Yes										
Longitudinal Stagger (Y/N)	No									
Coating			6	Corrosion at upper seam/bolts.						
Corrosion By Soil (Y/N) Yes		8		Solisaion at appor obanimonto.						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	Yes									

72565 -2 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 5235	, Rise (mm): 3285, Type: RPE)					
Fish Passage Adequacy			7						
Baffle			Х						
(Type:)									
Waterway Adequacy		9	9						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	7						
Downstream End									
Culvert Component		Last	Now	Explanation of Condition					
Direction		N							
End Treatment (Concrete, Steel, Others, None)	CONCRETE		_						
Headwall		7	7	Patches.					
Collar			Х	No collar on d/s.					
Wingwalls			X						
(Shape: )									
Cutoff Wall		N	N						
Bevel End		9	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed BELOW									
Above/Below (mm)	1000								
Scour Protection		8	8						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)			1						
Scour/Erosion		8	8						
Beavers (Y/N)	No								
Downstream End General Rating		7	7						
		S	tructur	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			8						
Bank Stability			8						
HWM (m below Top of Culvert)				HWM not visible					
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading									
Beavers (Y/N)	No								
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)									
Channel General Rating			8						

			Mainten	ance Recommer	dations						
Inspector Recommendations	Year	Inspector	r Comments		Department Com	nments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	low) 55.6/7	7.8	Sufficiency Rating (Last/Now) (%)		72.2/83.1	Est. Repl. Yr	2055 Maint. Re		qd. (Y/N)	No	
Special Monitor flattening in Comments for Next Inspection	n roof (R1-2, 7-8	3)			Department Comments						
Maintenance Reviewed By					Date		E	Estimated Tota	1 0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave Lam			Previous	s Assistant's Name	Assistant's Name					
Next Inspection Date	15-Mar-2015			Previous	Inspection Date	10-Aug-2008					
Inspection Cycle (Default) (months)	39										
Comment											