Bridge Culvert Inspection														
Bridge File Number 71539 -1 Bridge Culvert						o ouire	Form Type			CUL1				
Year Built							Lot No.			4				
	n Name	-	SON					spector Name Jason Rusu spector Class BR CLS B ssistant Name ssistant Class spection Date 12-Jun-2010 ata Entry By Erin Roberts ata Entry Date 18-Aug-2010 eviewer Name Garry Roberts eview Date 18-Jul-2010 ept. Reviewer Name Lorenz Bohnert ept. Review Date 23-Aug-2010 billow-Up By						
Located Over		2ND OR	ID ORDER TRIBUTARY TO ROLPH REEK, 2.12.20.10.4.1, WATERCRS-S				Inspector Class							
Located On	Built 1977   e or Town Name JEFFE   ed Over 2ND O   ed Over 820:02   r Body CL/Year 320:02   r Body CL/Year 10   gabil. CL/Year 10   Land Location NW SE   tude, Latitude -113:04   Authority Alberta   act Main. Area CMA25   Roadway/Skew 10 /   T/Year 70 / 200   Classification RLU-20   ur Length (km) 10   ge Culvert Information RLU-20   or of Culverts main   # Barrel   main Features main   al Features Comment   al Features wires   arks side 1 wire   arks		20:02 C1 5.543											
Water Body Cl	./Year													
Navigabil. Cl./Year						· · ·								
Legal Land Lo	31 TWP 1 R0													
			39, 49:04:45											
			Fransportation					-						
Contract Main. Area CMA25														
			-											
AADT/Year 70 / 2009			9 (A)		· · ·		23-Aug-2010							
Road Classific	ation	RLU-209						0						
Detour Length	(km)	10												
		nation												
Number of Cul		1												
Pipe #			Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	1	-		1800		MP		25			3.5,3.5,3.5	ROUND		
Special Featur														
Special Featur	es Com	ment												
					Uti	ilities (L	ocated	at)						
Utility Attachm	ents													
Telephone		ch					Gas							
Power							Municipal Problem (Y/N) No							
Others							Probler	n (Y/N)	No					
Remarks														
							d / Embankment Explanation of Condition							
Horizoptol Alia	nmont				Last 9	<b>NOW</b>	Explanation of Condition							
-				9 7	7	Dip south.								
Roadway Width (m)			9.400		1	1								
Embankment					8	8								
	:1)		3.0			5								
· · · ·	· · · ·	: 1.4)												
Guardrail (Y/N		,	No											
Approach Roa	ad / Eml	bankmen	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Comp	onent				Last	Now	1	ation of	Condi	tion				
Direction					E		U/S east.							
End Treatmen Others, None)	t (Concre	ete, Steel	, STEEL				1							
Headwall					Х	X								
Collar					Х	Х								
Wingwalls					X	Х								
(Shape :	)						L							
Cutoff Wall	Cutoff Wall				Х	X								
						Dogo	1 of 4							

Alberta Transportation

	Upstream End								
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	6						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			-					
Above/Below (mm)	300		1						
Scour Protection		N	7						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 300)			1						
Scour/Erosion			7						
Beavers (Y/N)	No								
Upstream End General Rating			6						
		Bric	dge Cu	lvert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1800, Type: MP)					
Barrel Last Accessible Date	12-Jun-2010								
Special Features	1		1						
Special Feature									
(Type : )									
Special Feature									
(Туре : )									
Roof		5	5	At midspan					
Measured Rise (mm)	1694								
Measured At Ring No.									
Sag (mm)	106								
Percent Sag	6								
Sidewall		4	4	At midspan					
Measured Span (mm)	1935								
Measured At Ring No.									
Deflection (mm)	135								
Percent Deflection									
Floor		N	6						
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		6	6	No dirt infiltration - top = 10 mm,					
Separation (mm)	50			bottom = 50.					
Longitudinal Seams		Х	Х						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0								
Proper Lap (Y/N)									
Longitudinal Stagger (Y/N)				1					
Coating		6	6						
Corrosion By Soil (Y/N)	No		<b>.</b>	-					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	lvert Barrel			
Culvert Component		Last		Explanation of Condition			
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm		, Rise (mm): 1800, Type: MP)			
Fish Passage Adequacy			X				
Baffle		X	Х				
(Туре : )							
Waterway Adequacy		8	8				
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		4	4				
		D	ownstr	eam End			
Culvert Component		Last	Now	Explanation of Condition			
Direction	1	W		West invert d/s.			
End Treatment (Concrete, Steel, Others, None)	STEEL						
Headwall		Х	X				
Collar			Х				
Wingwalls	Wingwalls						
(Shape : )							
Cutoff Wall			X				
Bevel End		7	7				
Heaving (mm)	30						
Invert Above/Below Stream Bed	BELOW						
Above/Below (mm) 100							
Scour Protection		N	4	Missing rip rap to South of bevel			
(Type : <b>RIP RAP</b> )							
(Avg. Rock Size(mm) : 100)							
Scour/Erosion			4	Scour to South and D/S (3m x 5m x 1m deep)			
Beavers (Y/N)	No						
Downstream End General Ratir	ng	7	4				
		s	Structu	re Usage			
				Explanation of Condition			
Channel (U/S and D/S)			-				
Alignment			8	(Water backs up in the spring-told by farmer) 1-mar-2007			
			7	D/S minor.			
Bank Stability			7				
HWM (m below Top of Culvert)				No visible HWM			
Drift (Y/N)	No						
Channel Bottom DEGRADING Degrading/Aggrading							
Beavers (Y/N)	No						
(Fish Compensation Measure 1 :				-			
(Fish Compensation Measure 2 :	NONE)						
Channel General Rating			8				

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	ments		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC												
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		44.4/44.4	.4 Sufficiency Rating (Last/N (%)	low)	66.9/63.1	Est. Repl. Yr 2033		Maint. Reqd. (Y/N)		No		
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By					Date		E	Estimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Tim D		ïm Davies P			revious Assistant's Name							
		o-2013		Previous	Previous Inspection Date 01-Mar-2007							
Inspection Cycle (Default) (months) 39												
Comment												