Bridge Culvert Inspection													
Bridge File Number	79889 -1	79889 -1 Bridge Culvert				Form Type			CUL1				
Year Built	1910				Lot No.			4					
Bridge or Town Name	ROLLING	G HILL				Inspecto	Inspector Name Jon Davies						
Located Over	EID - IRR	IGATION C,	WATERC	RS-IC		Inspector Class BR CLS B							
Located On	525:02 C	1 1.701				Assistar	nt Name						
Water Body Cl./Year						Assistar	nt Class						
Navigabil. Cl./Year						Inspecti	on Date		07-Mar-2012				
Legal Land Location	SW SEC	4 TWP 15 RG	SE 13 W4	1M	Data Entry				Anne Roberts				
Longitude, Latitude	-111:44:41, 50:13:22				Data Entry Da			;	08-Apr-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer N			;	Garry Roberts				
Contract Main. Area	CMA23					Review Date			24-Mar-2012				
Clear Roadway/Skew	11 /					Dept. Reviewer Name			Tim Davies				
AADT/Year	190 / 201	1 (A)				Dept. Review Date			17-Apr-2012				
Road Classification	RCU-209	-110				Follow-Up By							
Detour Length (km) 9													
Bridge Culvert Inforr	nation												
Number of Culverts	1												
Pipe # Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN	3	658	2286		RPE		17.1		152X51	4.0	ELLIPSE		
Special Features													
Special Features Corr	nment												
				+;	litios (l	ocated	at)						
Litility Attachments				01	inties (L		at)						
Telephone Burie	d N side												
Power 2 wir	s side					Municipal							
Others						Problem (Y/N) No							
Remarks													
- Contanto			А	pproad	ch Road	d / Emba	nkment						
				Last	Now	Explana	ation of	Condi	tion				
Horizontal Alignment			8	7	Road peaks at the pipe, intersection to West								
Horizontal Alignment			5	5	2 sided hazard markers installed @ all corners								
Roadway Width (m)		10.800											
Embankment			N 5			1:1 at sides of pipe							
Sideslope (:1)		3.0			_		·	•					
(Height of Cover(m)	: 0.6)					1							
Guardrail (Y/N)		No											
Approach Road / Em	bankment	General Rat	ing	5	5								
					Upstre	am End							
Culvert Component				Last	Now	Explana	ation of	Condi	tion				
Direction						South e	nd						
End Treatment (Conc Others, None)	rete, Steel,	NONE											
Headwall				X	Х								
Collar			X	Х									
Wingwalls										1			
Wingwalls				X	Х								
Wingwalls (Shape :)				Х	X								

Alberta Transportation

			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		X	X						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			-					
Above/Below (mm)	250		1						
Scour Protection		N	6						
(Type : GRAVEL)				-					
(Avg. Rock Size(mm) : 100)		1	1						
Scour/Erosion		N	6						
Beavers (Y/N)	No								
Upstream End General Rating		6	6						
		Bric	lge Cu	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 3658	, Rise (mm): 2286, Type: RPE)					
Barrel Last Accessible Date	07-Mar-2012								
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		4	4	Roof damage. 2 Hyhoe teeth holes. No loss of material. Minor tears					
Measured Rise (mm)	2256			at roof at U/S and Ď/S opening. Estimate for general roof shape is					
Measured At Ring No.	3			good. Estimate say migs 4 and 5 at longit. seam problem up to 50%					
Sag (mm)	30								
Percent Sag	1								
Sidewall		6	6						
Measured Span (mm)	3750								
Measured At Ring No.	3			-					
Deflection (mm)	92								
Percent Deflection	3								
Floor	0	7	N	Ice & water covered					
Bulge (mm)	0								
Measured At Ring No	-								
Abrasion (Y/N)	No								
Circumferential Seams		7	7						
Separation (mm)	20		1						
	20	5	N	(Poot seam missing 11 belts same					
Total No. of Cracked Pinge	0	5	IN	improperly seated) 03 Mar 2009					
Total No. of Rings with Two	0			PR 5 Not able to complete due to ice conditions. Center line roof seam is cusping at end of ring 4 into ring 5					
Min. Remaining Steel	0								
Proper Lap (V/N)	No								
Longitudinal Stagger (V/N)	No								
		4	4						
	No	4	4	pipe					
Corresion By Soli (Y/N)	NU Voo								
	Tes								
Camber POS/ZERO/NEG	ZERU								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	vert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa): 3658	, Rise (mm): 2286, Type: RPE)						
Fish Passage Adequacy			7							
Baffle			X							
(Туре :)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		5	4							
	Downstream End									
Culvert Component		Last	Now	Explanation of Condition						
Direction				NORTH						
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall		X	X							
Collar			X							
Wingwalls		X	X							
(Shape :)										
Cutoff Wall		Х	X							
Bevel End		X	X							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200		1							
Scour Protection		N	6							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)			1							
Scour/Erosion		N	6							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	7	6							
Structure Usage										
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			1							
Alignment		9	9							
Bank Stability		5	5							
HWM (m below Top of Culvert)	1.3			No HWM visible						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading	AGGRADING									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 : NONE)										
Channel General Rating		9	9							

Maintenance Recommendations											
Inspector Recommendations Ye		Year	Inspector Comments		Department Comr	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/Now) (%)		55.6/44.4	4 Sufficiency Rating (Last/N (%)	low) (67.5/61.8	Est. Repl. Yr 2015		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 Davies				Previous /	Previous Assistant's Name						
Next Inspection Date 07-Jun-2					revious Inspection Date 03-Mar-2009						
Inspection Cycle (Default) (months)	39										
Comment											