					Brido	e Culv	ert Insp	ection					
Bridge File Number 07371 -1 Bridge Culvert							Ilvert Inspection Form Type			CUL1			
Year Built		1958					Lot No.			4			
Bridge or Town Name COUTTS							Inspector Name			Jason Rusu			
Located Over			ARY TO MILK	RIVER,	1.13,		Inspector Class		BR CLS A				
		WATER	CRS-ST				Assistant Name						
Located On		500:02 C	1 12.171				Assista	Int Class					
Water Body CI./Year Navigabil. CI./Year							Inspection Date			08-Jun-2012			
							Data Entry By		Kelsey Roberts				
Legal Land Location SE SEC 16 TWP 1 RGE 14 W4M					М		Data Entry Date		16-Jul-2012				
Longitude, Latitude -111:49:00, 49:01:42							Reviewer Name		Garry Roberts				
Road AuthorityAlberta Transportation (AIT)Contract Main. AreaCMA24							Review Date		10-Jul-2012				
Contract Main.							Dept. Reviewer Name		Tim Davies				
Clear Roadway/Skew 7.5 /							Dept. Review Date		17-Jul-2012				
AADT/Year 110 / 20			. ,					Follow-Up By					
Road Classifica		RCU-209	9-110										
Detour Length	· · ·	3											
Bridge Culvert		nation											
	ber of Culverts 1					1				1			
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	2	2490	1750		RPP		22.6		152X51	3.5,3.5,3.5	PIPE ARCH	
Special Feature						1	22.0			102/101	0.0,0.0,0.0		
Special Feature		ment											
Opecial i eature	55 00111	ment											
					Ut	ilities (I	_ocated	at)					
Utility Attachme	ents												
Telephone	South	Row				Gas							
Power						Municipal							
Others	Dthers						Proble	m (Y/N)	No				
Remarks													
				Α	pproa	ch Roa	d / Emb	ankment					
					Last	Now	Explanation of Condition						
Horizontal Alignment					9	9	Road rises to the W & E						
Vertical Alignm	ent				6	6							
Roadway Width (m)			7.500										
Embankment					6	6							
Sideslope (													
(Height of Co	ver(m)	: 2.3)											
Guardrail (Y/N)			No										
Approach Roa	ad / Eml	bankmen	t General Rat	ina	6	6							
				5									
Culvert Car	o.n.c.=1				Lest		am End		Canal	tion			
Culvert Comp	onent				Last	Now		Explanation of Condition SOUTH					
Direction	(Cores	oto Staal	OTE EI				30011	Г					
End Treatment Others, None)	Concre	ele, Steel,	, SIEEL										
Headwall					X	Х							
Collar					X	X							
						_							
Wingwalls					X	X							
(Shape : ) Cutoff Wall					X	X							
Cuton wall					^	^							

Alberta Transportation

				tream End						
Culvert Component		Last	Now	Explanation of Condition						
Bevel End	1	6	6	-						
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW			-						
Above/Below (mm)	100									
Scour Protection		7	7							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 250)			-							
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		6	6							
Culvort Component				Ivert Barrel						
Culvert Component	tion Code: MAINL Sta	Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca		an (mm	i): 2490	, Rise (mm): 1750, Type: RPP)						
Barrel Last Accessible Date	08-Jun-2012									
Special Features	·									
Special Feature										
(Type:)										
Special Feature										
(Туре : )										
Roof		6	6							
Measured Rise (mm)	1695									
Measured At Ring No.	3									
Sag (mm)	55									
Percent Sag	3									
Sidewall	·	4	4	DUE TO CRACKED RING						
Measured Span (mm)	2553									
Measured At Ring No.	3									
Deflection (mm)	63									
Percent Deflection	3									
Floor		5	5							
Bulge (mm)	0		<u> </u>	1						
Measured At Ring No.				1						
Abrasion (Y/N)	Yes			1						
Circumferential Seams		7	7							
Separation (mm)	0			1						
Longitudinal Seams		4	4	ALL CRACKS WEST SIDWALL FROM U/S						
Total No. of Cracked Rings	1									
	0			12 cracked bolts in ring 3 - west s/w						
Total No. of Rings with Two Cracked Seams Min. Remaining Steel	55			-						
Between Cracks (mm)										
Proper Lap (Y/N)	No			-						
Longitudinal Stagger (Y/N)	No			No stagger at lower haunch						
Coating		4	4	PITTED RUST ON FLOOR & ALKALI STAINING						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

07371 -1 Bridge Culvert

				Ivert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca		ban (mm	): 2490	), Rise (mm): 1750, Type: RPP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		5	5						
Baffle		Х	X						
(Type:)									
Waterway Adequacy		6	6	SOME ROCK IN BARREL					
Icing (Y/N)	No								
Silting (Y/N)	No			-					
Drift (Y/N)	No			-					
Barrel General Rating		4	4						
-									
Culvert Component			Now	Explanation of Condition					
Direction		Lust	110 W	NORTH					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		X	Х						
Wingwalls		X	X						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		6	6						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection	1	5	5						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : <b>400</b> )									
Scour/Erosion		5	5	1 M DEEP HOLE X 15 M LONG IS ROCK protected - not affecting barrel					
Beavers (Y/N)	No	-		PROTECTED					
		E	5						
Downstream End General Ratio	ng	5	5						
		Structu		re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		5	5						
Bank Stability			6						
HWM (m below Top of Culvert)	1.0			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		5	5						

Structure Usage Last Now Explanation of Condition

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Corr	nments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	)FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) (	44.4/44.4	4 Sufficiency Rating (Last/No (%)	ow) 5	5.6/55.7	6/55.7 Est. Repl. Yr 2020		Maint. Reqd. (Y/N) No		No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	stimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Garry R	Garry Roberts Previous A				Assistant's Name					
Next Inspection Date 08		-2015	F	Previous I	us Inspection Date 17-Jun-2009						
Inspection Cycle (Default) (months) 39											
Comment											