Bridge Culvert Inspection													
Bridge File Number 80463 -1		-1 Bridge Culvert				Form Type		CULM					
Year Built 1999							Lot No.		1				
Bridge or Town Name RAYMON			OND				Inspector Name		Jon Davies				
Located Over RID - IRR			RRIGATION C, WATERCRS-IC				Inspector Class			BR CLS B			
Located On 52:02 C1			C1 15.632				Assistant Name						
Water Body CI./Year							Assistant Class						
Navigabil. Cl./Year							Inspecti	Inspection Date 28-Sep-2011					
Legal Land Location SE SEC 1			C 13 TWP 6 RGE 20 W4M				Data Entry By Erin Roberts						
Longitude, Latitude -112:34:12			:12, 49:27:54				Data Er	ntry Date		01-Nov-2011			
Road Authority Alberta T			a Transportation (AIT)					Reviewer Name Garry Roberts					
Contract Main. Area CMA25				Review Date			03-Oct-2011						
Clear Roadway/Skew 9 / 15 deg			eg. (RHF)				Dept. R	Dept. Reviewer Name Tim Davies					
AADT/Year 1,260 / 20			2010 (A)				Dept. R	eview Da	ite	17-Nov-2011			
Road Classifica	ation	RAU-21	11.8-110				Follow-	Uр Ву					
Detour Length	(km)	6											
Bridge Culvert	Inform	ation											
Number of Culv	/erts		2							1			
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1400		MP		30				ROUND	
2	MAIN		-	1400		MP		30				ROUND	
Special Feature	es												
Special Features Comment													
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone South ROW						Gas		NE co	orner				
Power	North	Row			Municipal								
Others Fibre Optic Cable North ROW						Problen	n (Y/N)	No					
Remarks	Remarks												
				A	pproa	ch Road	l / Emba	nkment					
					Last	Now	Explana	ation of (Condi	tion			
Horizontal Alignment				8	8	Canal a	ccess at	4 corn	ers				
Vertical Alignm	ent		_		8	8							
Roadway Width	n (m)		8.000										
Embankment				7 7			6:1 at berm, 2:1 over both pipes at both ends						
Sideslope (_:1)		6.0										
(Height of Co	ver(m) :	1.8)											
Guardrail (Y/N)			Yes										
Approach Roa	d / Emb	bankme	nt General Rat	ing	8	8							
						Unstre	am End						
Culvert Component						Now	Explana	ation of (Condi	tion			
(Pipe # : 1, Sp	an Type	e: Prima	ry Span)										
Direction							West pi	pe North	end				
End Treatment (Concrete, Steel, NONE Others, None)													
Headwall					Х	Х							
Collar					X	Х							
Wingwalls				Х	Х								
(Shape:)													

			Upstre	
Culvert Component	(Crorry)	Last	NOW	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)		×	
Cutoff Wall		X	X	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection	·	N	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	5	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
opolicum Ena Conoral Raing			Ū	
		Bri	dge Cu	vert Barrel
Culvert Component	tion Coder MAIN Cod		Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	lion Code: MAIN, Spa	an (mm	1):	, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date				Not accessible- due to high water depth
Special Features	•			
Special Feature				West pipe
(Туре :)				
Special Feature				
(Type:)				
Roof		N	N	No sight line possible as per special comments regarding roof bulges
Measured Rise (mm)				in East pipe from previous inspection.
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		X	Х	
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		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

80463 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 1400, Type: MP)					
Camber POS/ZERO/NEG				Not able to get sight line					
Ponding (Y/N) No									
Fish Passage Adequacy			5						
Baffle			Х						
(Туре:)			_						
Waterway Adequacy		5	5						
	No								
Silting (Y/N)	No								
Drift (Y/N)	NO								
Barrel General Rating		3	3	GR carried forward					
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	/ Span)	1							
Direction	1			West pipe South end					
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall			X						
Collar		X	X						
Wingwalls		X	X						
(Shape :)		1							
Cutoff Wall		X	X						
Bevel End		X	Х						
Heaving (mm)									
Invert Above/Below Stream Bed									
Above/Below (mm)									
Scour Protection		N	5						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)		1							
Scour/Erosion		N	5						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	5	5						
			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	lary Span)	1							
Direction				East pipe North end					
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall		Х	X						
Collar		Х	X						
Wingwalls		X	X						
(Shape :)									
Cutoff Wall			X						

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		Х	X	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection			5	Natural and IM rock
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
		Bri	dae Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2. Secondary Span. Lo	cation Code: MAIN. S	Span (i	mm):	. Rise (mm): 1400. Type: MP)
Barrel Last Accessible Date	, ,			not accessible- due to high water depth
Special Features			-	
Special Feature				East pipe
(Type :)			-	-
Special Feature				
(Туре :)			_	
Roof		N	N	No sight line possible as per special comments regarding roof bulges
Measured Rise (mm)				In East pipe from previous inspection.
Measured At Ring No.				-
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
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		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				Nto able to get sight line

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1400, Type: MP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		5	5						
Baffle		X	X						
(Туре :)									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			N						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	lary Span)								
Direction				East pipe South end					
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall		X	X						
Collar			X						
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall			X						
Bevel End		Х	Х						
Heaving (mm)									
Invert Above/Below Stream Bed									
Above/Below (mm)			-						
Scour Protection		7	7						
(Type : RIP RAP)				-					
(Avg. Rock Size(mm) : 300)		1	1						
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	7	7						
		S	Structu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			5	Sharp bends both ends					
Bank Stability		6	6						
HWM (m below Top of Culvert)				No visible HWM					
Drift (Y/N)	No			channel					
Channel Bottom Degrading/Aggrading	NONE								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		5	5						

Maintenance Recommendations												
Inspector Recommendations		Year Inspector Comments			Department Comm	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) 33	3.3/33.3	3 Sufficiency Rating (Last/I (%)	Now)	44.2/44.1	Est. Repl. Yr	2030 Maint. R		qd. (Y/N)	No		
Special Comments for Next Inspection	in R1 and	I R2 of E	East pipe. Inspect West pipe when ac	ccessible.	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	Garry Rol	berts		Assistant's Name								
Next Inspection Date 28-Ju		013		Previous Inspection Date 19-Jan-2010								
Inspection Cycle (Default) (months) 21												
Comment												