					Brida	e Culve	ert Insp	ection						
Bridge File Number 06832 -1		32 -1 Bridge Culvert							CUL1					
Year Built 1961							Lot No.		4					
Bridge or Town	Name	HALKIRI	RK				Inspector Name		Jason Saly					
Located Over			ARY TO PAIN	TEARTH	CREE	K,	Inspector Class		BR CLS A					
		5.23.7, V	VATERCRS-S	т		,	Assistant Name							
Located On		855:06 C	1 9.299				Assistant Class							
Water Body Cl.	/Year						Inspection Date			16-Jun-2010				
Navigabil. Cl./Y	ear				Data Entry By		Jill Potts							
Legal Land Loc	ation	NW SEC	: 13 TWP 39 RGE 16 W4M				Data Entry Date		01-Jul-2010					
		18, 52:21:30				Reviewer Name		John O'Brien						
			Transportation (AIT)					Review Date		24-Jun-2010				
Contract Main. Area CMA21							Chris Black							
Clear Roadway/Skew 9.6 /							06-Jul-2010							
AADT/Year		i	2009 (A)					Follow-Up By						
Road Classifica	tion	RCU-209	9-110											
<b>v</b>	Detour Length (km) 3													
Bridge Culvert		(												
Number of Culv	verts	1		1										
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2120		SP		51.8		152X51	3.5	ROUND		
Special Feature				2.20		0.		0110		102/101	0.0			
Special Feature		ment												
opoolar i oatare														
					Uti	ilities (L	ocated	at)						
Utility Attachme	ents						1							
Telephone	West	side of roa	ad.				Gas							
Power	40m \$	South crosses road.					Municipal							
Others							Problem (Y/N) No							
Remarks														
				Α				ankment						
					Now	Explanation of Condition								
Horizontal Alignment					9	8	_							
Vertical Alignment					6	6								
Roadway Width	n (m)		9.600											
Embankment					6	6								
Sideslope (	·1)		2.0											
(Height of Co		<b>6</b> . <b>4</b> )	2.0											
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankmen	t General Rat	ting	6	6								
						Unetre	am End							
Culvert Compo	nent				Last		am End	nation of C	Condi	tion				
Direction	ment				E	110 W	Expia		Unu					
End Treatment	(Concre	ete Steel	STEEL		-									
Others, None)														
Headwall					X	X								
Collar			X	Х										
Wingwalls					X	X								
(Shape : )				~										
Cutoff Wall			X	X										

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	5	
Heaving (mm)	300			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection			5	Ingrown.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating	1	5	5	
		Brid	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa		-	, Rise (mm): 2120, Type: SP)
Barrel Last Accessible Date	14-Nov-2003		,	Access only from East end. Only first 10 rings inspected.
	14 100 2000			
Special Features				
Special Feature				
(Туре : )				
Special Feature				
(Type : )				
Roof		5	5	Roof sagging at extensions (West). Est 100m, 5%. Rise at R5 =
Measured Rise (mm)	2060			2075, 45mm. At R6 = 2085, 35mm.
Measured At Ring No.	2			2.8%
Sag (mm)	60			
Percent Sag	3			-
Sidewall	3	5	5	Span measured @ R5 = 2195, 75mm. At R10 = 2205, 85mm.
	0045	5	5	$_{2}$ Span measured @ K5 = 2195, 75mm. At K10 = 2205, 85mm.
Measured Span (mm)	2215			4.5%
Measured At Ring No.	2			
Deflection (mm)	95			-
Percent Deflection	5			
Floor	1	N	N	Water covered.
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams		N	5	
Separation (mm)	0		_	
Longitudinal Seams		N	5	50% improper lap.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1N
Proper Lap (Y/N)	No			1
Longitudinal Stagger (Y/N)	Yes			1
Coating		N	6	
Corrosion By Soil (Y/N)	Yes	14	0	
Corrosion By Water (Y/N)	Yes			
				(Culvert installed with approach 600mm along 11/11/02)
Camber POS/ZERO/NEG	ZERO			(Culvert installed with approach 600mm slope. 14/11/03)
Ponding (Y/N)	Yes			West half of pipe.

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

06832 -1 Bridge Culvert

		Brid	lae Cu	lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 2120, Type: SP)					
Fish Passage Adequacy	· · ·	5	5						
Baffle		x	X						
(Type:)									
Waterway Adequacy		5	5	Couple of rocks 300mm at ring 9.					
Icing (Y/N)			-						
Silting (Y/N)									
Drift (Y/N)									
Barrel General Rating		5 5		Based on inspection of East half of pipe.					
Culvert Component			Now	eam End Explanation of Condition					
Direction			1101						
End Treatment (Concrete, Steel,	STEEL	W							
Others, None)									
Headwall		X	X						
Collar	Collar								
Wingwalls			Х						
(Shape : )									
Cutoff Wall			X						
Bevel End		5	6						
Heaving (mm)									
Invert Above/Below Stream Bed									
Above/Below (mm) 0									
Scour Protection		5	5	Ingrown.					
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 250)			1						
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	5	5						
		S	Stru <u>ctu</u>	re Usage					
			1						
Channel (U/S and D/S)									
Alignment			5	Minor bends U/S & D/S.					
Bank Stability			5	Minor cut banks downstream.					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) No									
Channel Bottom DEGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 : NONE)									
Channel General Rating			5						

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) (%)		55.6/55.	.6 Sufficiency Rating (Last/N (%)	low) 5	<b>55.9/55.7</b> Est. Repl. Yr 202		2021	Maint. Reqd. (Y/I		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		avies		Previous /	Assistant's Name							
Next Inspection Date 16-S		16-Sep-2013			Previous Inspection Date 22-Mar-2007							
Inspection Cycle (Default) (months) 39												
Comment												