Bridge Culvert Inspection													
Bridge File Number 71608 -1 Bridge Culvert					Form Type		CULM						
Year Built 1953					Lot No.		4						
Bridge or Town Name HANNA						Inspector Name		Owen Salava					
Located Over TRIBUTARY TO BERRY CREEP WATERCRS-ST				K, 3.14	4.10,	Inspector Class		BR CLS A					
Located On 9:10 C1 9.114						Assistant Name							
Water Body Cl./Year						Assistant Class		00 Nov 0044					
Navigabil. Cl./Ye	ear						Inspection Date		U3-NOV-2011				
Legal Land Location SE SEC 1 TWP 31 RGE 13 W				E 13 W4	М		Data Entry By		Marcia Chavez				
Longitude, Latitude -111:42:58, 5			58, 51:37:12					or Nome		28-NOV-2011			
Road Authority Alberta T			Transportation (AIT)					Review Date		14-Nov-2011			
Contract Main. Area CMA21			-				Dept. Reviewer Name		Andrew Smikles				
Clear Roadway/Skew 10 /							Dept. Review Date			02-Dec-2011			
AADT/Year		2,030 / 2	010 (A)				Follow-Up Bv						
Road Classificat	tion	RAU-210	)-110				Гопом-ор Ву						
Detour Length (I	km)	67											
Bridge Culvert	Informa	ation											
Number of Culve	erts	1									1		
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	4	000	2000		BP		20.7				RECTANGLE	
Special Feature	s	,	Cathodic Prot	ection Sy	vstem								
Special Features	s Comr	nent S	Steel circumfer	ential pla	ites.								
					IJti	ilities (l	ocated	at)					
Telephone South r/w.							Gas						
Power							Munici	Municipal					
Others	Fibre optics North r/w.					Problem (Y/N) No							
Remarks													
Approach Road / Embankment													
			Last	Now	Explanation of Condition								
Horizontal Alignment				8	8	_							
Vertical Alignment			10.000		8	8	ACP crack over structure						
Roadway width (m)		10.000											
Embankment					7	7							
Sideslope (:	:1)		2.5										
(Height of Cov	/er(m) :	2)											
Guardrail (Y/N)			Yes			Incorrect lap @ SE corner.							
Approach Road	d / Emb	ankmen	t General Rat	ing	8	8							
						Upstrea	am End						
Culvert Component Last						Now	Explan	Explanation of Condition					
Direction			N		West cell.								
End Treatment (Concrete, Steel, CONCRETE Others, None)													
Headwall			5	5	Medium scaling on top of bevel crown.								
Collar			X	Х									
Wingwalls			5	5	Wings cast into box, typical.								
(Shape : )													
Cutoff Wall			N	N									

Alberta Transportation

			Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		X	X					
Heaving (mm)	0							
Invert Above/Below Stream Bed BELOW								
Above/Below (mm) 150								
Scour Protection		6	6	Minimal rock, overgrown.				
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : )								
Scour/Erosion		N	6					
Beavers (Y/N)	No		_					
Upstream End General Rating	1	5	5					
		Brid	dae Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm	): 2000	, Rise (mm): 2000, Type: BP, Cell Sequence: 1)				
Barrel Last Accessible Date	03-Nov-2011			West cell.				
	00 1107 2011							
Special Features								
Cathodic Protection System		N	N	Gap between plates @ top corner @ West. Plate @ center joint. Not				
(Cathodic Protection System Ty	ype : <b>PASSIVE</b> )			on seam between pipes. Plates do not extend to floor. No evidence				
Special Feature								
(Type:)								
Roof		7	7					
Measured Rise (mm)	2005		-	Midaaaa				
Measured At Ring No				- Midspan.				
Sag (mm) 5				0.00/				
Percent Sag				0.3%				
Sidowall	0	6	6	Minor pop outs @ West side of North and				
Manaurad Span (mm)	1005	0	0					
Measured At Ping No	1995							
Deflection (mm)	5			0.3%				
Denection (mm)	5			-				
	0		-					
Floor		N	5	Shows wear, scaling present, light to medium.				
Bulge (mm)	0			-				
Measured At Ring No.				-				
Abrasion (Y/N)	No							
Circumferential Seams		5	5	Repaired with steel plates. Some scaling at collar. Minor infiltration at				
Separation (mm)	65		_	พระระ รานยพลแ.				
Longitudinal Seams		Х	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		X	Х					
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Sp	an (mm	): 2000	, Rise (mm): 2000, Type: BP, Cell Sequence: 1)					
Fish Passage Adequacy		7	7						
Baffle			X						
(Туре : )									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		6	6						
Culturent Common en en t		Brid	lge Cu	Ivert Barrel					
(Dipo # : 1 Primary Span Loop	tion Code: MAIN Sn	Last	NOW	Explanation of Condition					
Pipe # . 1, Primary Span, Loca	ation Code: MAIN, Sp	an (mm	): 2000	, Rise (mm): 2000, Type: BP, Cell Sequence: 2)					
Barrel Last Accessible Date	03-Nov-2011			East cell.					
Special Features			1						
Special Feature									
(Type:)				-					
Special Feature									
(Type : )									
Roof		7	7						
Measured Rise (mm)	2005			-					
Measured At Ring No.									
Sag (mm)	5			0.3%					
Percent Sag	0								
Sidewall	-	7	7						
Measured Span (mm)	2005			-					
Measured At Ring No.				-					
Deflection (mm)	5			0.3%					
Percent Deflection	0								
Floor		N	5	Medium to light scaling.					
Bulge (mm)	0			-					
Measured At Ring No.				-					
Abrasion (Y/N)	No								
Circumferential Seams		5	5	-					
Separation (mm)	65								
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		X	X						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brio	dge Cu	Ivert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	): 2000	, Rise (mm): 2000, Type: BP, Cell Sequence: 2)						
Fish Passage Adequacy		7	7							
Baffle		X	Х							
(Туре : )										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating			7							
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction	1	S								
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall		6	6							
Collar		X	X							
Wingwalls		5	5	Crack & scaled @ SE end.						
(Shape : )										
Cutoff Wall		N	N							
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		7	7	Minimal rock overgrown.						
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		5	5	Scour hole @ D/S end, 4m x 6m x .4m deep, rock covered. No problem.						
Beavers (Y/N)	No		_							
Downstream End General Ration	ng	5	5							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		6	6							
Bank Stability			6							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No										
Channel Bottom DEGRADING Degrading/Aggrading				Not visible.						
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			6							

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)	66.7/66.	7 Sufficiency Rating (Last/Nov (%)	w) 6	7.2/67.2	Est. Repl. Yr	2025	Maint. Reqd. (Y/N)		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	Jason Saly Pre				vious Assistant's Name							
Next Inspection Date		-2013	Pr	revious lı	vious Inspection Date 12-Mar-2010							
Inspection Cycle (Default) (months)	21											
Comment												