Bridge Culvert Inspection														
Bridge File Number 71623 -1 E			1 Bridge Culvert				Form Type		CUL1					
Year Built	ar Built 1972 dge or Town Name HIGH RIVER						Lot No.		4					
Bridge or Town	Name H	IGH RI\	/ER				Inspect	or Name		Jon Davies				
Located Over	T 2	RIBUTA 13 27 5	RY TO TON	GUE CRE RS-ST	EK,		Inspect	or Class		BR CLS B				
Located On	54	43:02 C	1 20.405				Assista	nt Name						
Water Body Cl./	Year		-				Assistant Class							
Navigabil. Cl./Ye	ear						Inspection Date		24-Jan-2013					
Legal Land Loca	ation S	W SEC	C 15 TWP 19 RGE 29 W4M							Anne Roberts				
Longitude, Latitude -113:56:3		38, 50:36:04				Reviewer Name		21-Feb-2013						
Road Authority Alberta		lberta T	Transportation (AIT)				Review Date			Garry KODERS				
Contract Main.	Contract Main. Area CMA27							Dept. Reviewer Name						
Clear Roadway/Skew 8.1 /		.1 /								04-Mar-2013				
AADT/Year 2,520 /		,520 / 20	/ 2011 (A)					Follow-Lip By		04-1vid1-2013				
Road Classifica	oad Classification RCU-208-		3-110				топом-ор Бу							
Detour Length (km) 3													
Bridge Culvert Information														
Number of Culv	erts	1									1			
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	18	879	1754		MPE		29.3		68X13	2.8	ELLIPSE		
Special Feature	S													
Special Feature	es Comme	ent												
					+;	litios (I	ocatod	at)						
Litility Attachme	nts				01	littles (L	ocaleu	atj						
Telephone South ditch Gas														
Power	South R	OW and	d crossina			Municipal								
Others	Fibre op	otic cable at north ROW					Problem (Y/N) No							
Remarks	emarks													
				A	pproad	ch Road	l / Emba	ankment						
				Last	Now	Explanation of Condition								
Horizontal Alignment				7	7	S curves to West Hill to East								
Vertical Alignment			-		6	6		- Init to Last						
Roadway Width (m)			8.100											
Embankment				7	5									
Sideslope (:1)		2.0											
(Height of Cov	ver(m) : 2.	.5)	1											
Guardrail (Y/N)			No											
Approach Road	d / Embai	nkment	General Rat	ing	6	6								
						Upstrea	am End							
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion				
Direction					S		South							
End Treatment Others, None)	(Concrete	e, Steel,	STEEL											
Headwall					X	Х								
Collar				X	Х									
Wingwalls				Х	Х									
(Shape :)					1									
Cutoff Wall					X	Х								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		5	4	Bevel end damaged. Moderate sloped edg deformation and tears.						
Heaving (mm)										
Invert Above/Below Stream Bed	ABOVE			-						
Above/Below (mm)	150		1							
Scour Protection		6	5							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)		1	1							
Scour/Erosion		8	5							
Beavers (Y/N)	No		1							
Upstream End General Rating	1	5	4							
		Bric	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm): 1879	, KISE (MM): 1754, Type: MPE)						
Barrel Last Accessible Date	24-Jan-2013									
Special Features										
Special Feature										
(Type:)				1						
Special Feature										
(Type :)										
Roof		5	5	Horizontal and vertical misalignment of all barrel sections, possibly						
Measured Rise (mm) 1763			Ū	since construction.						
Measured At Ring No	2									
Sag (mm)	9									
Percent Sag	1									
Sidewall		5	5	Bulging @ u/s and d/s sidewall_R2 sidewall bulge 600 mm is worst						
Measured Span (mm)	1900		U	location.						
Measured At Ring No	2									
Deflection (mm)	21									
Percent Deflection	1									
		5	5	Est Accurate measurement difficult due to uneven floor						
Bulge (mm)	100		0							
Measured At Ring No										
Abrasion (Y/N)	No									
		5	5	seam separation 200 mm at R3 to north hevel floor						
Separation (mm) 200		0	5							
Longitudinal Soame			X							
Total No. of Cracked Rings	0		~							
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)	0									
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
Coating		6	6	Superficial corrosion on floor						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
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, Locat	tion Code: MAIN, Spa	n (mm): 1879	, Rise (mm): 1754, Type: MPE)						
Fish Passage Adequacy			X							
Baffle			X							
(Type :)										
Waterway Adequacy		7	6	Minor drift ingrown at u/s invert.						
Icing (Y/N)	No									
Silting (Y/N)	No			1						
Drift (Y/N)	Yes									
Barrel General Rating			5							
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction		Ν		North						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar			Х							
Wingwalls		Х	X							
(Shape :)			1							
Cutoff Wall			Х							
Bevel End		5	5							
Heaving (mm)	300									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	300		1							
Scour Protection		5	5							
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			5	Large scour hole (5mx5m) filled with rock						
Beavers (Y/N)	No									
Downstream End General Ratin	ng	5	5							
		S	tructur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			1							
Alignment			7							
Bank Stability			7							
HWM (m below Top of Culvert)				HWM not 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			7							

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents	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/Now) (%)		55.6/55.	.6 Sufficiency Rating (Last/N (%)	low)	60.7/56.9	Est. Repl. Yr	2020 Maint. Re		qd. (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 Rex		avidson		Previous .	evious Assistant's Name							
Next Inspection Date 24-		24-Apr-2016			revious Inspection Date 27-Nov-2009							
Inspection Cycle (Default) (months) 39												
Comment												