					Bride	ge Culve	ort Inch	oction					
Bridge File Num	her	71711 -	1 Bridge Culve	r 1	ынаў	je Guive	Form T			CULM			
Year Built	1001		1952				Lot No			4			
Bridge or Town	Name		SI AND				Inspector Name			Tom Carey			
	Located Over CHERRY COULEE, 2.10, WATE				=RCR:	S-ST	Inspector Class			BR CLS A			
Located On 3:14 C1 20.196					<u> </u>	Assistant Name		D. (020 /)					
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Y							Inspection Date			11-Nov-2011			
Legal Land Loc		NE SEC	36 TWP 10 R	GF 11 W	4M		·			Alyssa Boynton			
Longitude, Latit				<u> </u>			Data Entry Date			07-Dec-2011			
Longitude, Latitude -111:22:05, 49:52:11 Road Authority Alberta Transportation (AIT)						Reviewer Name			Garry Roberts				
	Contract Main. Area CMA24						Review Date		21-Nov-2011				
Clear Roadway		13 /						. Reviewer Name Tim Davies					
AADT/Year			2010 (A)				Dept. Review Date		15-Dec-2011				
Road Classifica	tion	RAU-21					Follow						
Detour Length (5						-1 ,					
Bridge Culvert		nation								·			
Number of Culv			1										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		5943	1981		ВР		25				RECTANGLE	
Special Feature	s												
Special Feature	s Com	ment											
Litility Attachma	nto				Ut	ilities (L	ocated	at)					
Utility Attachme	T	ditah					Gas						
Telephone N & S ditch							nal						
Power 4 line 40 m south Others Fibre optics in North R/W.					Munici	pai m (Y/N)	No						
Remarks	1 IDIE	optics in	NOITH IVVV.				I TODIC	111 (1/14)	INO				
Remarks				Aı	pproa	ch Road	l / Emb	ankment					
				<u></u>	Last		Explanation of Condition						
Horizontal Align	ment				7	7	In speed zone (slowing to 50 km/hr).						
Vertical Alignme	ent				7	7	Town intersections.						
Roadway Width	(m)		13.000										
Embankment					7	7	4:1 at I	North					
Sideslope (:1)		3.0]						
(Height of Co	ver(m) :	: 1.8)					1						
Guardrail (Y/N)			No										
Approach Roa	d / Eml	bankmer	nt General Rat	ing	7	7							
						Upstre	am End						
Culvert Compo	Culvert Component			Last	Now								
Direction	Direction			S		South	South end						
End Treatment Others, None)	(Concre	ete, Stee	I, CONCRETE										
Headwall	Headwall			7	7								
Collar					Х	X							
Wingwalls					7	7	Minor spall at East						
(Shape : FLA	RE)						<u></u>						
Cutoff Wall				N	N								

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	200			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
, ,				
Culvert Component		1		Ivert Barrel
Culvert Component	tion Codo: MAIN Sna	Last	Now	Explanation of Condition , Rise (mm): 1981, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	11-Nov-2011	(ij. 1901	East cell.
Darrei Last Accessible Date	11-1100-2011			East ceil.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	Some minor leaking and leaching
Measured Rise (mm)	1981			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag				
Sidewall		6	6	Vert & longit. cracks up to 1mm wide
Measured Span (mm)	1970			Minor spalls at U/S
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection				
Floor		N	6	30% abrasion.
Bulge (mm)	0			
Measured At Ring No.	1			
Abrasion (Y/N)	No			
Circumferential Seams		8	8	where it was extended
Separation (mm)	0			
Longitudinal Seams		X	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)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brid	dge Cu	Ilvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Sp	oan (mm): 1981	I, Rise (mm): 1981, Type: BP, Cell Sequence: 1)				
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7	Minor weeds at U/S				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating		6	6					
		Brid	dge Cu	Ilvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	ation Code: MAIN, Sp	oan (mm): 1981	I, Rise (mm): 1981, Type: BP, Cell Sequence: 2)				
Barrel Last Accessible Date	11-Nov-2011			Center barrel.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		6	6	Some minor leaking and leaching				
Measured Rise (mm)	1981							
Measured At Ring No.	1							
Sag (mm) 0								
Percent Sag								
Sidewall		6	6	Vertical cracks up to 1mm wide.				
Measured Span (mm)	1975							
Measured At Ring No.	1							
Deflection (mm)	0							
Percent Deflection								
Floor		6	6	Chamfer is scaling @ floor				
Bulge (mm)	0			Not causing problems Floor at center cell 25% abrasion.				
Measured At Ring No.	1			- 1 loof at center cent 25 % abrasion.				
Abrasion (Y/N)	Yes							
Circumferential Seams		8	8	Where it was extended				
Separation (mm)	0							
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		Х	Х					
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

		Brid	dge Cu	lvert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm): 1981	, Rise (mm): 1981, Type: BP, Cell Sequence: 2)					
Fish Passage Adequacy		7	7						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		7	7	Debris of old tarps and bicycle					
Icing (Y/N)	No			Won't impede flow					
Silting (Y/N)	No								
Drift (Y/N)	Yes								
Barrel General Rating		6	6						
		Brid	dge Cu	lvert Barrel					
Culvert Component				Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	ı): 1981	, Rise (mm): 1981, Type: BP, Cell Sequence: 3)					
Barrel Last Accessible Date	11-Nov-2011			West cell					
Special Features									
Special Feature									
(Type:)			_						
Special Feature									
(Type:)									
Roof		6	6						
Measured Rise (mm)	1990								
Measured At Ring No.	1								
Sag (mm)	0								
Percent Sag									
Sidewall		6	6	Vert cracks up to 1mm wide- In general					
Measured Span (mm)	1980			Isolated 2mm wide crack at NW					
Measured At Ring No.	1								
Deflection (mm)	0								
Percent Deflection									
Floor		5	5	Some scaling on the floor- 20%					
Bulge (mm)	0								
Measured At Ring No.	1								
Abrasion (Y/N)	Yes								
Circumferential Seams		8	8	At extensions					
Separation (mm)	0								
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		Х	Х						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)									
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

	vert Barrel							
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa			, Rise (mm): 1981, Type: BP, Cell Sequence: 3)				
Fish Passage Adequacy		4	7	regraded at U/S				
Baffle		X	X					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		6	6					
_								
				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	001100===	N		North end.				
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		7	7					
Collar		Х	Х					
Wingwalls		7	7	Minor scaling of parging.				
(Shape : FLARE)								
Cutoff Wall		N	N					
Bevel End		Х	Х					
Heaving (mm)								
Invert Above/Below Stream Bed								
Above/Below (mm)	0							
Scour Protection		7	7					
(Type : NATURAL)								
(Avg. Rock Size(mm):)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7					
		s	tructur	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		6	6	U/S 2x1800 CSP - under service road. D/S 2x1800 mm CSP under CPR				
				Curves both ends				
Bank Stability		7	7					
HWM (m below Top of Culvert)	1.6							
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING			Minor at D/S				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		6	6					

		Maintenance	Recommend	ations					
Inspector Recommendations	Year	Inspector Comments	NG GG IIIII G II G	Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS							J J		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	w) 66.7/66.7 Sufficiency Rating (La (%)		st/Now)	61.5/67.8 Est. Repl. Yr 2024		2024	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		ı	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tom Carey		Previous	Assistant's Name					
Next Inspection Date	11-Aug-2013		Previous	nspection Date	24-Jun-2010				
Inspection Cycle (Default) (months)	21			•	1				
Comment									