Bridge File Nun	nber	73822 -	1 Bridge Culve	rt	Bridg	e Guive	Form T			CULE			
Year Built		1951					Lot No.			4			
Bridge or Town Name		COLEMAN					Inspec	tor Name		Garry Roberts			
Located Over		TRIBUTARY TO NEZ PERCE CK.					Inspector Class			BR CLS A			
		2.12.37.15.1, WATERCRS-ST					Assistant Name						
Located On		3:02 C1 14.905					Assistant Class						
Water Body Cl.	/Year						Inspection Date			28-Nov-2011			
Navigabil. Cl./Y						Data Entry By			Alyssa Boynton				
Legal Land Location NE S			NE SEC 8 TWP 8 RGE 4 W5M					ntry Date		09-Jan-2012			
Longitude, Latitude -		-114:29:59, 49:38:11					Review	ver Name		Tom Carey			
Road Authority		Alberta Transportation (AIT)					Review Date		21-Dec-2011				
Contract Main. Area		CMA26					Dept. F	Reviewer	Name	Tim Davies			
Clear Roadway	/Skew	13.4/6	2 deg. (RHF)				Dept. Review Date			10-Jan-2012			
AADT/Year		6,470 /	2010 (A)				Follow	-Up By					
Road Classifica	ation	RAU-2	11.8-110				-						
Detour Length ((km)	4											
Bridge Culvert	Inform	ation											
Number of Culv	/erts		1	D: (D : \	-				0 0 0			
Pipe #	Barrel		Span	Rise (or	Dia.)	Гуре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	U/S		-	1800		MP		3.6		68X13		ROUND	
1	MAIN		1680	1680		BP		42.7				RECTANGLE	
1	D/S		-	1800		SP		51.8		152X51	3.0	ROUND	
Special Feature	es		BARREL ELBO	W									
Special Feature	es Comr	ment											
					+;	litios (l	ocated	at)					
Utility Attachme	ents				01		looutou	utj					
Telephone	ephone						Gas						
Power 1 wire at u/s end & light strd					Munici	oal							
Others							Proble	m (Y/N)	No				
Remarks 1-300 mm ROAD CSP AT NE APRON													
				Α	oproad	h Road	d / Emb	ankment					
			Last	Now	Explan	ation of	Condi	tion					
Horizontal Aligr	nment					7	NEXT	NEXT TO BF 73819					
Vertical Alignme	ent					7							
Roadway Width	n (m)		13.400										
Embankment					6	6	Erosion channel @ SE			E rock lined			
Sideslope (_:1)				drainage from Hwy 3 Walkway over north end with timber								
(Height of Co	ver(m) :	0)	0)				rail. 2.5 berm at north. Embankment sloughing but well veg @ S						
Guardrail (Y/N)			Yes			1.13-	1.1 @ 10	p 01 3					
Approach Road / Embank		bankme	ankment General Rating			7							
		Last	Upstre	am End	at land	0	tion.						
Culvert Component			Last	NOW	Explan	lation of	Condi	lion					
End Tractment	(Conor	ata Cta		:	IN		-						
Others, None)				1									
Headwall					6	6	Some minor spalling						
Collar						X							

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Wingwalls		X	Х							
(Shape :)										
Cutoff Wall		N	N	Buried.						
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	600									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		6	6							
		Brid	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 1800, Type: MP)						
Barrel Last Accessible Date	28-Nov-2011			U/S barrel of 1800 x 3.6 long.						
Special Features			_							
Special Feature										
(Type :)			_							
Special Feature										
(Туре :)										
Roof			6							
Measured Rise (mm)	1830									
Measured At Ring No.	2			Upward.						
Sag (mm)	30									
Percent Sag	1									
Sidewall			6							
Measured Span (mm)	1870									
Measured At Ring No.	2									
Deflection (mm)	70			-						
Percent Deflection	4		_							
Floor			6							
Bulge (mm)	0									
Measured At Ring No.				-						
Abrasion (Y/N)	No		_							
Circumferential Seams	I		4	Open gap at butt joint with BP allowing rock infiltration but no						
Separation (mm)	200			problems.						
Longitudinal Seams		5		Rivetted seams.						
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)										
Coating			4							
Corrosion By Soil (Y/N)	No			Moderate corrosion with pitting on floor to mid sidewall						
Corrosion By Water (Y/N)	Yes									

Bridge Inspection & Maintenance System (Web 2005)

73822 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loc	ation Code: U/S, Span	(mm):	, I	Rise (mm): 1800, Type: MP)						
Camber POS/ZERO/NEG	POS									
Ponding (Y/N)	No									
Fish Passage Adequacy			5							
Baffle			Х							
(Туре :)										
Waterway Adequacy			6							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel Extension General Rati	ing		6							
		Bri	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loc	ation Code: MAIN, Spa	an (mm): 1680	, Rise (mm): 1680, Type: BP)						
Barrel Last Accessible Date	28-Nov-2011									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		N	6	Concrete box cell. Narrow cracks.						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall		N	6	Narrow to medium width cracks.						
Measured Span (mm)										
Measured At Ring No.										
Deflection (mm)										
Percent Deflection										
Floor		N	N	Rock covered. Also several sections of rail track in barrel of BP.						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		N	6							
Separation (mm)	15									
Longitudinal Seams		N	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	Х							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (V/N)	No									

Bridge Inspection & Maintenance System (Web 2005)

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loc	ation Code: MAIN,	Span (mm): 1680	, Rise (mm): 1680, Type: BP)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		5	5							
Baffle		Х	X							
(Туре :)			_							
Waterway Adequacy		5	6							
Icing (Y/N)	No									
Silting (Y/N)	No			Minor drift and rail track sections.						
Drift (Y/N)	Yes									
Barrel General Rating		N	6							
Culturent Common on t		Bric	ige Cu	Ivert Barrel						
Culvert Component	ation Code: D/S. S		NOW	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	ation Code: D/S, S	pan (mm):	, r	(mm): 1800, Type: SP)						
Barrel Last Accessible Date	28-Nov-2011									
Special Features										
Special Feature			7	Elbow at D/S end of SPCSP						
(Type : BARREL ELBOW)										
Special Feature										
(Type:)			-							
Roof		N	7	(South SPCSP						
Measured Rise (mm)	1810			Floor clear @ 90% of S pipe) 2004/07/21						
Measured At Ring No	12									
Sag (mm)	Sag (mm) 10			1						
Percent Sag	0									
Sidewall	•	N	6	Minor construction tears at isolated areas						
Measured Span (mm)	1805		0							
Measured At Ring No	12			-						
Deflection (mm)	5			-						
Percent Deflection	0									
Floor	0	N	6	Minor abrasion						
Bulge (mm)	0	IN	0							
Measured At Ping No	0									
Abrasion (Y/N)	Ves									
Circumforential Seems	163	N	7							
Circuitierential Searts	0	IN	1							
	0		7							
Tatal Na of Oracles d Disease	0	N	1							
Total No. of Cracked Rings	0			-						
Cracked Seams	0			2N at roof.						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	Yes									
Coating		5	5							
Corrosion By Soil (Y/N)	No			Superficial corrosion on the floor						
Corrosion By Water (Y/N)	Yes			,						

Bridge Inspection & Maintenance System (Web 2005)

73822 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: D/S, Span	(mm):	, F	Rise (mm): 1800, Type: SP)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		5	5							
Baffle		Х	Х							
(Type :)										
Waterway Adequacy	1	5	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel Extension General Ratin	g	N	6							
	-									
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		S		South end.						
End Treatment (Concrete, Steel, Others, None)	STEEL		1							
Headwall		Х	X							
Collar			X							
Wingwalls		Х	X							
(Shape :)		1	1							
Cutoff Wall		X	X							
Bevel End		6	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		7	7							
(Type : NATURAL)										
(Avg. Rock Size(mm) :)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	6	7							
		S	tructu	a lisane						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)	<u> </u>	Luot	11011							
Alignment		5	5							
Bank Stability			6	Rock Stacked @ NE						
HWM (m below Top of Culvert)				HWM not visible						
Drift (Y/N)	Drift (Y/N) No									
Channel Bottom AGGRADING Degrading/Aggrading										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating	Channel General Rating									

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Com		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)	55.6/66.	7 Sufficiency Rating (Last/No (%)	w) 5	51.6/62.1 Est. Repl. Yr 2025		2025	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	Garry F	Roberts	P	revious A	s Assistant's Name							
Next Inspection Date 28-Au		-2013	P	revious I	s Inspection Date 17-May-2010							
Inspection Cycle (Default) (months)	21											
Comment												