					Bridg	e Culve	rt Insp	ection						
Bridge File Number 76149 -1 Bridge Culvert					Form Type			CUL1						
Year Built 1976					Lot No.		4							
Bridge or Town Name SLAVE LAKE					Inspector Name			Wade Nanninga						
Located Over PASTECHO RIVER, 8.10.18.22 WATERCRS-ST			.1,		Inspector Class			BR CLS B						
Located On 754:02 C1 16.441							ant Name							
Water Body Cl.	/Year		<u> </u>					ant Class						
Navigabil. Cl./Y							· ·	tion Date		07-Jan-2011				
Legal Land Loc		SE SEC	33 TWP 76 R	GE 5 W5I	\ <u>/</u>		Data Entry By			Theresa Lacusta				
Longitude, Latit			:03, 55:37:18	OL 0 1101	VI		Data Entry Date		02-Feb-2011					
	uue				Reviewer Name			Arnold Assenheimer						
Road Authority Alberta Tr Contract Main. Area CMA06		Transportation (AIT)				Review Date		12-Jan-2011						
Clear Roadway		9.5 /			Dept. Reviewer Name									
AADT/Year		660 / 20	100 (Δ)				Dept. Review Date		02-Feb-2011					
Road Classifica		RCU-20					Follow-Up By							
Detour Length (100	55-110											
Bridge Culvert	,													
Number of Culv			1											
	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		_	2400		SP	32.9				THORICOS	ROUND		
Special Feature				2400	Oi			02.0		l .	ROOND			
Special Features Special Features Comment														
opoolar roatare	00000	HOH												
					Uti	ilities (L	ocated	at)						
Utility Attachme	ents													
Telephone					Gas									
Power					Munici	pal								
Others					Proble	m (Y/N)	No							
Remarks	BF tag	j installe	d on top of Sou											
				A	oproac			ankment						
				Last			nation of							
Horizontal Alignment			6	6	Curve No pag	Curve to west and sag in road. No passing West bound.								
Vertical Alignmo	ent				6	6			or bour.					
vortical / tilgrillion							Crack across roadway over pipe, sealed.							
Roadway Width (m) 9.500														
Embankment					6	6								
Sideslope (:1)		4.0				-							
(Height of Co		1.7)					-							
Guardrail (Y/N)			No											
Approach Road / Embankment General Rating		6	6											
						Uractica	Enc							
Culvert Commo	nort					Upstre		nation of	Condi	tion				
Culvert Component		Last S	Now	Expiai	iation of	Conal	UOH							
Direction End Treatment (Concrete, Steel, STE		I, STEEL		3		-								
Others, None) Headwall			Х	Х										
Collar			X	X										

			Lingtro	om End				
Culvert Component				eam End Explanation of Condition				
Culvert Component		Last	Now	Explanation of Condition				
Wingwalls (Shape:)		X	X					
Cutoff Wall		Х	V					
Cuton wan		_ ^	X					
Bevel End		6	6					
Heaving (mm)	100							
Invert Above/Below Stream Bed								
Above/Below (mm)	0							
Scour Protection		6	6	Grassed in.				
(Type:)								
(Avg. Rock Size(mm):)								
Scour/Erosion		6	6					
D ()/(A1)								
Beavers (Y/N)	No							
Upstream End General Rating		6	6					
3								
				Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca		an (mm	1):	, Rise (mm): 2400, Type: SP)				
Barrel Last Accessible Date	07-Jan-2011							
				CROWN TO ICE 1.0M, appears to be no change in shape.				
Special Features			_					
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		5	5					
Measured Rise (mm)								
Measured At Ring No.				EST				
Sag (mm)	90							
Percent Sag	4							
Sidewall		N	N	(Measured 2475mm span near c/l. 2001/03/20)				
Measured Span (mm)				(Deflection is 7.0%. 80mm between cracks. 3 bolts missing east side.				
Measured At Ring No.				2001/03/29)				
Deflection (mm)	161							
Percent Deflection	7							
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		N	7	(Cracked ring #3 and #5 at 3:00 o'clock. 2001/03/29)				
Separation (mm)	0							
Longitudinal Seams		N	N	(Poor nesting of plates. 2001/03/29)				
Total No. of Cracked Rings 2				<u> </u>				
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							

		Brid	dge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 2400, Type: SP)				
Coating		N	6	Superficial rust at ice level.				
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	Yes			approx 1.0m				
Fish Passage Adequacy		8	8					
Baffle		N	N					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		4	4	(G.R. carried forward from 21/Mar/2001)				
				eam End				
Culvert Component			Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		X	X					
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		Х	X					
Bevel End		6	6					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		5	5	Grassed in.				
(Type:)								
(Avg. Rock Size(mm):)								
Scour/Erosion		5	5					
Beavers (Y/N)	Yes							
Downstream End General Ratio	ng	6	5					
			Structu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7					
Bank Stability		7	7					
LIMM (m holess Ten of Osition ()				LINAM not visible				
HWM (m below Top of Culvert)	N ₁ -			HWM not visible.				
Drift (Y/N)	No							

Structure Usage								
		Last	Now	Explanation of Condition				
Channel Bottom Degrading/Aggrading	DEGRADING			40m d/s.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 : NONE)								
Channel General Rating			7					

		Maintenance R	Recommend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS				·					
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. (%)	ow) 44.4/44	.4 Sufficiency Rating (Last (%)	ufficiency Rating (Last/Now)		Est. Repl. Yr	2019 Maint. Re		qd. (Y/N)	No
Special Cracks appear stab Barrel not accessible Next Inspection	le. COntinue to e to inspect crad	monitor. 19-Jul-2004 cks since 29-March-2001		Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam P			evious Assistant's Name					
Next Inspection Date	07-Apr-2014 Pre			ous Inspection Date 16-Aug-2007					
Inspection Cycle (Default) (months)	39								
Comment									