				=	Brida	e Culve	ert Inspe	ection					
Bridge File Num									CUL1				
Year Built		1972	0				Lot No.		1				
Bridge or Town I	Name	DERWEN	NT					or Name		Jason Saly			
Located Over	ge or Town Name    DERWENT      ated Over    SLAWA CREEK, 6.19, WAT      ated On    45:08 C1 49.932      er Body CI./Year				RS-S	т	· ·		BR CLS A				
Located On	sated Over  SLAWA CREEK, 6.19, WATE    sated On  45:08 C1 49.932    ter Body CI./Year						Assistant Name						
	Year							Assistant Class					
							Inspection Date		22-Jan-2013				
Legal Land Location SE SEC 18 TWP 54 RGE 7 W4M										Marcia Chavez			
									25-Feb-2013				
							Reviewer Name		John O'Brien				
							Review Date		13-Feb-2013				
Clear Roadway/							Dept. Reviewer Name		Chris Black				
AADT/Year								Dept. Review Date		28-Mar-2013			
Road Classificat	ion		. ,					Follow-Up By					
Number of Culve													
Pipe # E	Barrel	S	span	Rise (or D	ia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 N	MAIN	-		3050		SP		32.3		152X51	3.5	ROUND	
Special Features	S										·	Ì	
Special Features	s Comi	ment											
					Uti	lities (L	ocated	at)					
Utility Attachmer	nts												
Telephone	Fibre	optics in N	optics in North r/w. Gas										
Power	3 wire	OH 70m North.					Municipal						
Others				Problem (Y/N) No									
Remarks													
				Арр	oroac	h Road		ankment					
				L	ast	Now	Explan	ation of	Condi	tion			
Horizontal Alignment				7	7	Long horizontal superelevated curve around North end of Lac Cote. Blind crest curve in both directions.							
Vertical Alignment						6							
Roadway Width (m)			9.200			-							
Embankment					7	N	(South side is 4:1. As measured at U/S (S) to shoulder, 2.6m at (N) to shoulder. 07Jun2011) - Snow covered, but no signs of					ler, 2.6m at D/S	
Sideslope (:	1)		2.5				probler		07Jun	2011) - Show C	overed, but no	signs or	
(Height of Cov	er(m) :	: <b>1.7</b> )											
Guardrail (Y/N)			Yes										
Approach Road	l / Eml	bankment	t General Rat	ing	6	6							
						Upstre	am End						
Culvert Compo	Culvert Component			L	ast	Now	Explanation of Condition						
Direction			1	N									
End Treatment ( Others, None)	Concre	ete, Steel,	STEEL										
Headwall					Х	Х							
Collar					Х	X							
Wingwalls					Х	Х							
(Shape : )													
Cutoff Wall					Х	Х							

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		N	N	Snow/ice covered.						
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	400									
Scour Protection		N	N	Some pitrun.						
(Type : )				Snow covered, but no signs of problems.						
(Avg. Rock Size(mm) : )										
Scour/Erosion		N	N							
Beavers (Y/N)	No									
Upstream End General Rating		6	N	GR was 6 from 07Sep2006.						
		Bric	lge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm)	):	, Rise (mm): 3050, Type: SP)						
Barrel Last Accessible Date	22-Jan-2013			Ice within 1.1m of roof.						
Special Features										
Special Feature										
(Type:)				1						
Special Feature										
(Type : )		1								
Roof		N	5	Bevel ends heaved at both ends; makes it appear roof sagging.						
Measured Rise (mm)				Estimated.						
Measured At Ring No.										
Sag (mm)	200			(Sag estimated 1.6%. 03/03/25).						
Percent Sag	2									
Sidewall	-	N	5	(Span @ S end=2890,160mm,5.2%.						
Measured Span (mm)			0	Span @ mid=3087,37mm,1.2%						
Measured At Ring No.				- Span @ N end=2874,176mm,5.8%. 02Dec2004). Inwards						
Deflection (mm)	176			(5.8%. 02Dec2004).						
Percent Deflection	6			-						
Floor			N	(Silt covered - photo. Approx 1.0m. 02/Dec/2004) - Ice covered.						
Bulge (mm)		N								
Measured At Ring No.				-						
Abrasion (Y/N)										
Circumferential Seams		N	6							
Separation (mm)	0	IN	U							
	V	NI	6							
Longitudinal Seams	0	N	6							
Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N) No				1						
Longitudinal Stagger (Y/N) No				1						
Coating		N 5		(Rusting on bottom. 93/10/01).						
Corrosion By Soil (Y/N)	Yes			Rating roof & sidewall only.						
Corrosion By Water (Y/N)	Yes			(Silt covered, some soil side corrosion on roof. 02/Dec/2004).						
Camber POS/ZERO/NEG NEG										
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

71867 -1 Bridge Culvert

Bridge Culvert Barrel											
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 3050, Type: SP)							
Fish Passage Adequacy		7	7								
Baffle		Х	Х								
(Type:)											
Waterway Adequacy		6	6	Equalizing pipe.							
Icing (Y/N)	No			(02/Dec/2004)							
Silting (Y/N)	No										
Drift (Y/N) Yes				Minor							
Barrel General Rating		N	5								
Downstream End											
Culvert Component			Now	Explanation of Condition							
Direction	<u> </u>	S	11011								
End Treatment (Concrete, Steel,	STEEL	-									
Others, None)											
Headwall		X	X								
Collar		Х	Х								
Wingwalls		х	Х								
(Shape : )											
Cutoff Wall			Х								
Bevel End		N	N	(Potrudes from fill 1.0m. 07Jun2011) - Snow/ice covered.							
Heaving (mm)	250										
nvert Above/Below Stream Bed BELOW											
Above/Below (mm) 400											
Scour Protection			N	Snow covered, but no signs of problems.							
(Type : )											
(Avg. Rock Size(mm) : )			-								
Scour/Erosion			N								
Beavers (Y/N)	No			(Old beaver debris @ SE embankment. 07Jun2011).							
Downstream End General Ratir	ng	6	N	GR was 6 from 07Sep2006.							
		s	Structu	re Usage							
		Last		Explanation of Condition							
Channel (U/S and D/S)											
Alignment		7	7								
Bank Stability			N	Snow covered, but no signs of problems.							
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N) No											
Channel Bottom Degrading/Aggrading				Stable.							
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		7	7								

Alberta Transportation

Maintenance Recommendations												
Inspector Recommendations		Year	Inspecto	or Comments		Department Com	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	DFF											
REPAIR SEAMS												
OTHER ACTION		2013	inspectio	r dewater & peform Level II on. AT reviewed condition in 20								
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		55.6/55.	.6 Sufficiency Rating (Las (%)		Now) (	61.6/59.7	Est. Repl. Yr	2029	Maint. Red	qd. (Y/N)	Yes	
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	Jason	Jason Saly				revious Assistant's Name						
Next Inspection Date 2		22-Oct-2014				Inspection Date						
Inspection Cycle (Default) (months) 21												
Comment												