					Bridg	e Culve	ert Inspe	ction						
Bridge File Nun	nber	76195 -	1 Bridge Culve	rt					CUL1					
Year Built		1966					Lot No.		4					
Bridge or Town Name SLAVE LAKE							Inspector Name		Wade Nanninga					
Located Over EATING CREEK, 8.11.80.24.1, V ST					WATE	RCRS-	Inspector Class		BR CLS A					
Located On		2:46 C1	53.280				Assistant Name							
Water Body Cl.	/Year						Assistant Class		28-Mar-2013					
Navigabil. CI./Y	'ear						Inspection Date Data Entry By		Theresa Lacu	eto				
Legal Land Loc	ation	NE SEC	: 16 TWP 72 R	GE 5 W5	М		Data Entry Date							
Longitude, Latit	tude	-114:41:	:59, 55:14:27				Reviewer Name			17-Apr-2013 Eric Carcoux				
Road Authority		Alberta ⁻	Transportation	(AIT)			Review Date		12-Apr-2013					
Contract Main. Area CMA06							Dept. Reviewer Name		· · · · ·					
Clear Roadway	/Skew	11 /					Dept. Review Date		23-Apr-2013					
AADT/Year		5,430/2	2012 (A)				Follow-Up By		23-Api-2013					
Road Classifica	ation	RCU-21	0-110					опом-ор Бу						
Detour Length	(km)	200												
Bridge Culvert	t Inform	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	4300		SP		47.5		152X51	3.0,5.0	ROUND		
Special Feature	es													
Special Feature	es Comr	ment												
					11+	ilitios (l	ocated a	at)						
Utility Attachme	onts				01	inties (L		al)						
Telephone	North	r/\w					Gas							
Power		to North			Municipa	<u>ما</u>								
Others								Problem (Y/N) No						
Others Streets lights to NE. Remarks														
				A	pproa	ch Road	d / Emba	nkment						
					Last	Now	Explana			tion				
Horizontal Alignment			7	7	Local road intersection 150 m east.									
Vertical Alignment			6	6	Crest curve to the west limiting sight distance. Road widens to incorp passing & accelerator lanes. No passing both directions. Truck turning loop to South.									
Roadway Width (m) 10.500														
Embankment					3	6								
Sideslope (:1) 4.0					1									
(Height of Co		2.6)					1							
Guardrail (Y/N) Yes														
Approach Roa	id / Emb	bankmer	nt General Rat	ing	3	6								
						Upstre	am End							
Culvert Compo	onent				Last		Explana	ation of	Condi	tion				
Direction					S									
End Treatment Others, None)	(Concre	ete, Stee	I, CONCRETE	<u>.</u>			-							
Headwall					X	X								
Collar			4	4	Shoulder slab beside collar has few wide tranverse cracks and dropped 230mm at top. Wide cracks in collar, every 300mm.									
Collar							uropped	1230mm	i at top	. WIDE CRACKS I	n collar, every	300mm.		
Collar Wingwalls					X	X	uropped	1 230mm	i at top		n collar, every	300mm.		

Alberta Transportation

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Cutoff Wall		N	N						
Bevel End			6						
Heaving (mm)	150								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400								
Scour Protection		5	5						
(Type : RIP RAP)		-	-						
(Avg. Rock Size(mm) : 200)									
Scour/Erosion		5	5						
Beavers (Y/N)	No		-						
Upstream End General Rating		4	4						
		Brid	d <u>ge Cu</u>	lvert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 4300, Type: SP)					
Barrel Last Accessible Date	28-Mar-2013		,	Ice/water 1.5m					
Special Features									
Special Feature									
(Type:)									
Special Feature				-					
(Type :)									
Roof		N	4	Last ring deformed @ crown.					
Measured Rise (mm)			-						
Measured At Ring No.				-					
Sag (mm)		-		est					
	1			-					
Percent Sag			-						
Sidewall		N	7						
Measured Span (mm)	4240			-1					
	Aleasured At Ring No. 8			nward.					
Deflection (mm)	60			-					
Percent Deflection	2		1						
Floor	1	N	N						
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)	Yes								
Circumferential Seams		N	7						
Separation (mm)									
Longitudinal Seams		N	7						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams				1N Stagger					
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N) Yes									
Longitudinal Stagger (Y/N) Yes									
Coating		N	7	Lower 1/4 has superficial rust.					
Corrosion By Soil (Y/N) No									
Corrosion By Water (Y/N)	Yes			1					
Camber POS/ZERO/NEG	NEG								
Sumber 1 00/2ENO/NEG									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Bric	lge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 4300, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		5	5					
Baffle		X	X					
(Type :)								
Waterway Adequacy		5	5					
Icing (Y/N)	No			Drift on crown and at guardrail.Jul,2011				
Silting (Y/N)	No			Dint on clown and at guardian.out,2011				
Drift (Y/N)	Yes							
Barrel General Rating		N	4					
			ownstr	ream End				
Culvert Component			Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall	1	Х	X					
Collar		X	X					
Wingwalls		X	X					
(Shape :)		~	~					
Cutoff Wall		X	X					
Bevel End		5	5	Top of bevel bending inwards 150mm.				
Heaving (mm)	Heaving (mm) 200							
Invert Above/Below Stream Bed								
Above/Below (mm)	1000		1					
Scour Protection		4	4	Scour 20m long, 15m wide.				
(Type : NATURAL)				-				
(Avg. Rock Size(mm) :)								
Scour/Erosion		4	4					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	4	4					
		S	tructu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			7					
Bank Stability			4	Sloughing of banks D/S and U/S. Vertical cut banks.				
HWM (m below Top of Culvert) 1.0			-	Water level marker in U/S channel.				
rift (Y/N) Yes				Road overtopped in 2011.				
Channel Bottom DEGRADING Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 : NONE)								
Channel General Rating		5	4					

Maintenance Recommendations											
Inspector Recommendations		'ear	Inspector Comments	Department Comme	Та	arget Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	i										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow) 55	5.6/44.4	4 Sufficiency Rating (Last/Now) (%)	36.7/41.4 Est. Repl. Yr 2018		18	Maint. Reqd. (Y/N)		No		
Special Assessment completed March 2005 by MPA. Monitor roof @ downstream end.				Department Comments							
Maintenance Reviewed By				Date		Estir	mated Total	0			
Proposed Long-Term Strategy						İ					
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Eric Carco	coux	Previous	Assistant's Name							
Next Inspection Date 28-		2014	Previous	us Inspection Date 13-Jul-2011							
Inspection Cycle (Default) (months) 21											
Comment											