Bridge Culvert Inspection													
Bridge File Num	nber 0849	08497 -1 Bridge Culvert				Form Type			CUL1				
Year Built	ear Built 1964					Lot No.			1				
Bridge or Town	Name BON	NYVILLE				Inspector Name			Wade Nanninga				
Located Over	TRIE 7 12	UTARY TO N	MOOSEL	AKE RIVE	ર ,	Inspector Class			BR CLS A				
Located On	28:1	B C1 12.543				Assistant Name							
Water Body Cl./Year						Assistant Class			00 Apr 2012				
Navigabil. CI./Ye	ear					Inspection Date		U9-Apr-2012					
Legal Land Loca	ation SW	SEC 10 TWP	WP 61 RGE 6 W4M				ntry Doto						
Longitude, Latitude -110:49:29, 54:15:29			:29			Reviewer Name			24-Apr-2012				
Road Authority	rta Transporta	Transportation (AIT)					,	17-Apr-2012					
Contract Main. Area CMA08							Reviewer	Name	Brent Herrick				
Clear Roadway/	/ -30 deg. (Ll	HF)		Dept. Review Date			04-May-2012						
AADT/Year	5,24	0 / 2011 (A)				Follow-Up By			01 May 2012				
Road Classifica	tion RAL	-211.8-110											
Detour Length (km) 5												
Bridge Culvert Information													
Number of Culv	erts	1											
Pipe #	Barrel	Span	Ris	e (or Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	1724	190	01	SPE		62.8		152X51	2.8	ELLIPSE		
Special Feature	S												
Special Feature	s Comment												
				Ut	ilities (l	ocated	at)						
Utility Attachme	Litility Attachments												
Telephone	West r/w.					Gas		Plowe	d through cree	k 40m West.			
Power	7 wires O⊢	West r/w.				Municip	bal						
Others	BF tag inst	alled on top o	d roof.		Probler	m (Y/N)	No						
Remarks													
				Approa	ch Road	d / Emba	ankment						
	Last	Now	Explanation of Condition										
Horizontal Alignment				7	7	Passing allowed both directions.							
Vertical Alignment				/	/	This sit	e is appr	ox 20m	South of BF 7	7633.			
Roadway Width (m) 11.000													
Embankment				7	7								
Sideslope (:1)	2.5											
(Height of Cov	ver(m) : 6.5)												
Guardrail (Y/N)		Yes											
Approach Road	d / Embank	nent Genera	I Rating	7	7								
					Upstre	am End							
Culvert Compo	onent			Last	Now	Explan	ation of	Condit	tion				
Direction				E									
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall				X	Х								
Collar	Collar			X	Х								
Wingwalls	Wingwalls			X	Х								
(Shape :)													
Cutoff Wall				X	Х								
					1								

Alberta Transportation

	Upstream End							
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		7	6					
Heaving (mm)	100							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm) 200								
Scour Protection			3	Very few rocks visible				
(Type : RIP RAP)				Piping along bevel @ 5 & 7 oclock				
(Avg. Rock Size(mm) : 300)								
Scour/Erosion			3	Water leaking through seams up tp R1				
Beavers (Y/N)	No							
Upstream End General Rating			3					
		Brid	dae Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1. Primary Span, Loca	tion Code: MAIN. Spa	n (mm): 1724	Rise (mm): 1901. Type: SPE)				
Barrel Last Accessible Date	09-Apr-2012		<u>,</u>					
Dairei Last Accessible Date	09-Api-2012							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		6	6					
Measured Rise (mm)	1825		U					
Moosured At Ping No	14							
	76							
Sag (mm)	10			-				
	4		-					
		1	/					
Measured Span (mm)	1780			_				
Measured At Ring No.	14			-				
Deflection (mm)	56			-				
Percent Deflection	3		1					
Floor		6	6	Rocks washed into barrel floor throughout.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		4	4	Couple of seams with odd bolt missing.				
Separation (mm)	0							
Longitudinal Seams	·	7	7	Water leaking through seams @ 5:00 & 7:00 o'clock.				
Total No. of Cracked Rings	0		-					
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N) No								
Longitudinal Stagger (Y/N) Yes				1N stagger.				
Coating		4	Δ	Lower 1/4 nitting scaling rust. Soil staining through holt holes / plate				
Corrosion By Soil (V/N)	Yes	-	-7	overlaps.				
Corrosion By Water (V/N)	Vac							
Camber PUS/ZERU/NEG	NEG							
Ponding (Y/N)	No							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Bric	dge Cu	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1724	, Rise (mm): 1901, Type: SPE)
Fish Passage Adequacy		5	5	
Baffle			Х	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating			3	
Orderent Organization		D	ownstr	eam End
Culvert Component		Last	NOW	Explanation of Condition
Direction	OTEEL	VV		
Others, None)	STEEL			
Headwall		X	X	
Collar			Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall			X	
Povol End		6	6	
Heaving (mm)	100	0	0	
Invert Above/Relew Stream Red				
Above/Below (mm)	200			
Scour Protection		4	4	Look of rook in streamhad at outlet resulting in 200 mm doop acour
		4	4	hole 5.0 m x 3.0 m off end of bevel about 2m.
(Avg. Rock Size(mm) : 300)		4		
Scour/Erosion		4	4	
Beavers (Y/N)	No			
Downstream End General Ration	ng	4	4	
			truotur	
		l ast	Now	Explanation of Condition
Channel (U/S and D/S)		Last	1100	
Alianment		8	4	
Alighthetic				Enters at an angle causing piping along sidewall
Bank Stability			7	
HWM (m below Top of Culvert)				Not visible.
Drift (Y/N)	Yes			One log across U/S bevel.
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating			4	

Maintenance Recommendations											
Inspector Recommendations		Year Inspector Comments			Department Cor	mment	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP		2	U/S and D/S								
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		66.7/33.3 Sufficiency Rating (Last/ (%)		ow) 6	66.6/45.6 F		. Repl. Yr	2025	Maint. Reqd. (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 Shan		Shane Hall Previou				Assistant's Name					
Next Inspection Date	09-Jan-2014 Pr			Previous I	nspection Date						
Inspection Cycle (Default) (months) 21											
Comment											