					Brida	e Culve	ert Inspe	ection					
Bridge File Number 77749 -1 Bridge Culvert					Dirag	CCUITA	Form Type			CUL1			
Year Built 1974			•				Lot No.		2				
Bridge or Town Name SLAVE							Inspector Name			Brian Pientsch			
Located Over			ARY TO UTIK	UMA RIV	ER.		·			BR CLS A			
			22.4.3, WATE				Assistant Name			Clem Guenett	.e		
Located On 88:04 0			51.758							Ciom Cacricae			
Water Body Cl./Year							Assistant Class Inspection Date		11-Jun-2012				
Navigabil. Cl./Year							Data Entry By			Theresa Lacu	sta		
Legal Land Location SW SE			10 TWP 80 F	RGE 8 W5	M			ntry Date		14-Oct-2012			
Longitude, Latitude -115		-115:09:4	46, 55:54:50					Reviewer Name Eric Carcoux					
Road Authority Alb		Alberta T	ransportation	(AIT)			Review Date			08-Oct-2012			
		CMA02					Dept. Reviewer Name David Morrison						
Clear Roadway	y/Skew	10.4 /						Dept. Review Date		10-Jan-2013	<u> </u>		
AADT/Year		890 / 201	I1 (A)				Follow-			10-3411-2013			
Road Classifica	ation	RAU-210)-110					. Ollow-op by					
Detour Length		210											
Bridge Culver		nation											
Number of Cul	verts		1							I			
Pipe #	Barrel	S	Span	Rise (or Dia		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	1	724	1901		SPE		30.5		152X51	2.8	ELLIPSE	
Special Feature	es												
Special Feature	es Comi	ment											
Liche Au					Uti	ilities (L	ocated	at)					
Utility Attachmo							0		D		AOT		
Telephone 15m along East ditch					Gas Buried line 7m East-AGT Municipal								
Power Others							Problem (Y/N) No						
Remarks							Flobiei	11 (1/14)	INU				
Remarks				Δι	nnroad	ch Road	d / Emba	ankment					
							Explanation of Condition						
Horizontal Alig	nment				7	7	Access roads N. & S.						
	Vertical Alignment				9	9							
Roadway Width (m) 10.400													
Trought Trial			10.100										
Embankment			4 4			Erosion 0.6m deepx 2m x 3m-6m West from road shoulder.							
Sideslope (:1)			4.0										
(Height of Co	over(m)	1.1)											
Guardrail (Y/N))		No										
Approach Road / Embankment			t General Rat	ing	7 7								
	,			9									
							am End						
Culvert Component			Last	Now	Explanation of Condition								
Direction End Treatment (Concrete, Steel, STEEL			E	E Could flow eith			er way Equilizer culvert.						
Others, None)	Concr	eie, Steel,	SIEEL				Water (0.7m from	n crowr	า.			
Headwall			Х	X									
Collar			Х	X									
Wingwalls			X	X									
(Shape:)													
				Х	X								
Julion Wall	Cutoff Wall				_ ^	^							

			Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		N	3	(No floor on bevel from invert 700mm				
Heaving (mm) 100				in. 05/05/15) South side of bevel folded in. Water covered.				
Invert Above/Below Stream Bed				Water covered.				
Above/Below (mm)	0							
Scour Protection		4	4	(Water piping beside bevel-01/10/31)				
(Type : NONE)				Scoured 0.5 wide, 0.9m deep & 1.3m back from bevel.				
(Avg. Rock Size(mm) :)				Water covered.				
Scour/Erosion		4	4					
Beavers (Y/N)	No							
Upstream End General Rating		3	3					
		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, S	Span (mm): 1724	, Rise (mm): 1901, Type: SPE)				
Barrel Last Accessible Date	12-Aug-2003			Viewed from ends, shape and condition appear good. Water 0.6m from crown.				
Special Features								
Special Feature								
(Type :)								
Special Feature								
(Type:)		<u> </u>						
Roof		N	N	(Rise est - covered with rocks & silt. 03/08/12)				
Measured Rise (mm)				,				
Measured At Ring No.								
Sag (mm)	0							
Percent Sag								
Sidewall		N	N					
Measured Span (mm)	1741							
Measured At Ring No.								
Deflection (mm)	16							
Percent Deflection	1							
Floor		N	N					
Bulge (mm)	0	.,						
Measured At Ring No.	-							
Abrasion (Y/N)	No							
Circumferential Seams		N	N					
Separation (mm)	0	14	- '					
Longitudinal Seams	,	N	N					
Total No. of Cracked Rings	0	IV	14					
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating	0	N	N	(Scaling & pitting rust lower third.03/08/12)				
Corrosion By Soil (Y/N)		IN	1.4	(Sealing & Pitting rust lower tilliu.05/00/12)				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N) Yes								

77749 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm): 1724	, Rise (mm): 1901, Type: SPE)				
Fish Passage Adequacy		8	8					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		5	5					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating		N	N	GR 7-12-Aug-2003				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W		Water 0.6m from crown.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	Х					
Collar		X	X					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		N	N	(Floor of bevel end has holes - 2003/08/12).				
Heaving (mm)	50			Water covered. Only 5% visible				
Invert Above/Below Stream Bed				,				
Above/Below (mm)	0							
Scour Protection		4	4	Scoured 1.5m deep, 0.6m wide and 2.3m back from bevel, (water				
(Type : NONE)				piping beside bevel 05/05/15) Water covered.				
(Avg. Rock Size(mm):)				water covered.				
Scour/Erosion		4	4	Scour along sides of bevel.				
Beavers (Y/N)	No							
Downstream End General Rating			3	GR carried forward.				
		Structu		ire Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)			1					
Alignment		7	7					
Bank Stability		6 6						
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom AGGRADING Degrading/Aggrading				House 100m d/s.				
Beavers (Y/N) Yes								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

Bridge Inspection & Maintenance System (Web 2005)

		Maintenan	ce Recommendations					
Inspector Recommendations	Year	Inspector Comments	Department Com	ments	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	2012	Repair u/s bevel.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/No. (%)	ow) 55.6/55	Sufficiency Rating (I (%)	_ast/Now) 48.7/48.6	Est. Repl. Yr 2013	Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection Monitor rust in botto Monitor scour u/s ar		el ends05-Nov-2008	Department Comments					
Maintenance Reviewed By			Date		Estimated Tota	I 0		
Proposed Long-Term Strategy						'		
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina				
Next Inspection Date	11-Mar-2014		Previous Inspection Date	Inspection Date 04-Aug-2010				
·	21							
Comment								