Bridge Culvert Inspection													
Bridge File Number	08206 -1					CUL1							
Year Built	1959	-				Lot No.							
Bridge or Town Name			Inspector Name			Wayne Cappellani							
Located Over	er TRIBUTARY TO MICHICHI CRE				.35.4,	Inspector Class		BR CLS A					
	WATER					Assistant Name		Chris Black					
Located On	849:04 0	01 6.217				Assistant Class							
Water Body Cl./Year	Vater Body CI./Year					Inspection Date		27-Sep-2011					
Navigabil. Cl./Year						Data Entry By		Wayne Cappe	llani				
Legal Land Location	NE SEC	36 TWP 29 R	GE 19 W4	4M		Data Entry Date			10-Sep-2012				
Longitude, Latitude	de -112:32:13, 51:31:48					Reviewer Name			Wayne Cappellani				
Road Authority						Review Date		10-Sep-2012					
Contract Main. Area	CMA21					Dept. Reviewer Name		Wayne Cappellani					
Clear Roadway/Skew	ew 8.5 / -20 deg. (LHF)					Dept. Review Date		10-Sep-2012					
AADT/Year	100 / 20	. ,				Follow	Follow-Up By						
Road Classification	RLU-208	LU-208G-90											
Detour Length (km)	5												
Bridge Culvert Infor													
Number of Culverts	1								-				
Pipe # Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN	2	2905	3203		SPE		33.5		152X51	3.5	ELLIPSE		
Special Features													
Special Features Con	nment												
				Uti	lities (L	ocated	at)						
Utility Attachments						0.00							
Telephone					Gas	Municipal							
Power Others								No					
				m (Y/N)	INU								
Itemarks 140 d	tilities four	iu.	Δ٢	nroad	h Roa	l/Emb	ankment						
Approach Road / Embankment Last Now Explanation of Condition													
Horizontal Alignment					5	Limited sight from N in pronounced							
Vertical Alignment			5	5	valley. Field access to S. Winding road sign to N.								
Roadway Width (m) 9.300													
Embankment			5	5									
Sideslope (:1)													
(Height of Cover(m)	: 2.3)												
Guardrail (Y/N)		No											
Approach Road / En	nbankmen	t General Rat	ing	5	5								
					Upstre	am End							
Culvert Component				Last	Now	Explan	ation of C	Condi	tion				
Direction				E		-							
End Treatment (Conc Others, None)	rete, Steel	, STEEL											
Headwall				X	X								
Collar			Х	Х									
Wingwalls			Х	X									
(Shape :)													
Cutoff Wall			Х	X									

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	5	Minor damage on NE corner.						
Heaving (mm)	300									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		5	5	Minor erosion along NE bevel end.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)		,								
Scour/Erosion		5	5							
Beavers (Y/N)	No									
Upstream End General Rating			5							
		1		vert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Locat		n (mm): 2905	, Rise (mm): 3203, Type: SPE)						
Barrel Last Accessible Date	27-Sep-2011									
Special Features	I									
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		6	6							
Measured Rise (mm)	3093		-							
Measured At Ring No.	4									
Sag (mm)	110									
Percent Sag	3									
Sidewall		5	4	1 dent D/S end, minor. Isolated perforation in N. sidewall in R1 next						
Measured Span (mm)	3010		-	to E. beveled end; perforations max. 30mm dia.						
Measured At Ring No.	4									
Deflection (mm)	105									
Percent Deflection	4			5.3%						
Floor		6	5	Minor section loss with medium corrosion. No perforations visible in						
Bulge (mm)	0		-	floor.						
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		7	6							
Separation (mm)	0									
Longitudinal Seams		7	6							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)				1N.						
Proper Lap (Y/N) No										
Longitudinal Stagger (Y/N) Yes										
Coating		5	4	Perforations in N. sidewall in R 1 near E. beveled end; minor section						
Corrosion By Soil (Y/N)	Yes			loss/medium corrosion in floor.						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

08206 -1 Bridge Culvert

	Brid	dqe Cu	lvert Barrel					
			Explanation of Condition					
tion Code: MAIN, Sp	an (mm): 2905	, Rise (mm): 3203, Type: SPE)					
	4	4	D/S invert above S/B - 500mm drop.					
Baffle								
	5	5						
/aterway Adequacy Icing (Y/N) No								
No								
Barrel General Rating		4						
		ownetr	nam End					
			Explanation of Condition					
		11011						
STEEL								
		-						
	X	X						
	Х	Х						
	X	X						
		_						
Cutoff Wall								
Bevel End								
0								
Invert Above/Below Stream Bed ABOVE								
Above/Below (mm) 500								
	4	4	Shallow basin formed within rock					
			riprap, 3m X 3m, ~1m deep. Embankment eroding.					
		1						
Scour/Erosion		4						
No								
ng	4	4						
	S	tructu	e llsane					
			Explanation of Condition					
Channel (U/S and D/S)								
Alignment		4	Sharp bend U/S cause severe erosion of S. bank.					
Bank Stability		4	Vertical banks d/s, stable. Severe erosion of S. bank @ U/S end.					
HWM (m below Top of Culvert)			(HWM 600mm above S.B. 01/08/16). HWM not visible.					
Drift (Y/N) No								
Channel Bottom DEGRADING Degrading/Aggrading								
Beavers (Y/N) No								
NONE)								
NONE)								
Channel General Rating								
	No No No No STEEL STEEL O ABOVE 500 No DEGRADING	Lasttion Code: MAIN, Spatter44XXXXNoNoNoNoNoSTEELXXX<	LastNowIoode: MAIN, Spatrom29054444XXXXX5No5No2No2No2No4No2Ioo5STEELXXX </td					

Maintenance Recommendations											
Inspector Recommendations		r Ins	spector Comments		Department Comm	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP		2 10	10 cum. Class I, d/s.								
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION	2012		Review warrant for guardrail for approach road.								
OTHER ACTION		2 De	evert channel @ U/S end rebuild S. t	bank.							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		6/44.4	Sufficiency Rating (Last/No (%)	ow) 5	50.1/43.9	Est. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date	Estimated Total 0					
Proposed Long-Term Strategy 2004.12.27 Future grading project. Structurally ok until 2020. May consider liner if road work necessitates action.											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Owen Sa		ven Salava Previou			Assistant's Name						
Next Inspection Date 27-D		27-Dec-2014 Prev			Inspection Date 10-May-2011						
Inspection Cycle (Default) (months) 39											
Comment											