					Bride	o Culve	ort Inch	oction						
Bridge File Nur	mher	09172 -3 Bridge Culvert				e Cuive	Ilvert Inspection Form Type			CUL1				
Bridge File Number 09172 -3 Bridge Culvert Year Built 1955						Lot No.		1						
Bridge or Towr	K			Inspector Name		Owen Salava								
Located Over	TIVALLIC		RIBUTARY TO NELSON CREEK, 5.18.2,				Inspector Class		BR CLS A					
Located Over		WATERC					Assistant Name		BR CL3 A					
Located On 599:04 C1			1 25.617				Assistant Class							
Water Body Cl					Inspection Date		17-Sep-2012							
Navigabil. Cl./Year							Data Entry By		Marcia Chavez					
Legal Land Location SW SEC		2 TWP 38 RGE 11 W4M				Data Entry Date		22-Oct-2012						
Longitude, Latitude -111:28:		-111:28:1	13, 52:13:49					Reviewer Name		John O'Brien				
Road Authority Alberta 1		Alberta T	Transportation (AIT)					Review Date		27-Sep-2012				
Contract Main.	Area	CMA21						Dept. Reviewer Name		i ·				
Clear Roadway	y/Skew	8.6 /					Dept. Review Date		22-Oct-2012					
AADT/Year		730 / 201	` ,				Follow-Up By							
Road Classifica		RCU-208	-110											
Detour Length	` '	6												
Bridge Culver														
Number of Cul		1							I					
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Туре	Length			Corr. Profile	Pl./Slab Thickness	Shape		
1	U/S	18	810	1118		FP	13.2		68X13		ARCH			
1	MAIN	18	810	1118		FP		20.7		68X13		ARCH		
Special Feature	es													
Special Feature	es Com	ment												
Liche Aug I					Uti	ilities (L	ocated	at)						
Utility Attachmo	ents						0		1					
Telephone	3 wire North r/w.						Gas	nal						
Power Others	3 WIFE	NOITH I/W			Municipal Problem (Y/N) No									
Remarks							FIODIE	111 (1/14)	INO					
Remarks				Δι	nnroad	ch Road	l / Emb	ankment						
			Approach Roa Last Now				Explanation of Condition							
Horizontal Alignment			8	8	3rd pipe from W; 0.4km from Range Rd. 11-2.									
Vertical Alignment					8	8				J				
Roadway Widt			8.600											
Embankment	-4\		0.0		8	8	-							
Sideslope (- 4\	3.0				-							
(Height of Co		: 1)	NIO				-							
Guardrail (Y/N))		No				L							
Approach Roa	ad / Eml	bankment	General Rat	ing	8	8								
						Upstre	ı am End							
Culvert Comp	onent				Last			nation of	Condi	tion				
Direction					N									
End Treatment (Concrete, Steel, Others, None)														
Headwall					X	X								
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)	,													

			l la atas	Ford
Culvart Company				am End
Cutoff Wall		Last	Now	Explanation of Condition
Cuton wan		_ ^	_ ^	
Bevel End		6	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed BELOW				
Above/Below (mm)	250			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
D ()/(A))	.			
Beavers (Y/N)	No		1	
Upstream End General Rating		6	6	
		Brio	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span			•
Barrel Last Accessible Date	17-Sep-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
	1075	0	0	
Measured At Bing No.	3			
Measured At Ring No. Sag (mm)	43			-
Percent Sag	4			3.8%
Sidewall	T	6	6	
Measured Span (mm)	1900	0	0	
Measured At Ring No.	3			
Deflection (mm)	90			
Percent Deflection	5			
	·	1	1	Floor corresion.
Floor	0	4	4	FIGUI COITOSION.
Bulge (mm)	U			
Measured At Ring No. Abrasion (Y/N)	No			
	INU	6	6	
Circumferential Seams	0	6	6	
Separation (mm)	U	V	V	
Longitudinal Seams		X	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		4	4	Scaling/pitting floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Calliber FOS/ZERO/NEG	ZENU			

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	1810, F	Rise (mm): 1118, Type: FP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		6	6					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel Extension General Ratir	ıg	6	6					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar			Х					
Wingwalls			Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		6	6					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)	0		1					
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 250)		7	7					
Scour/Erosion	1	′	7					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	6	6					
		S	tructu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)		1	1					
Alignment		8	8	Large slough, no defined channel.				
Bank Stability			8					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom AGGRADING Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	· · · · · · · · · · · · · · · · · · ·							
(Fish Compensation Measure 2 :	NONE)	8						
Channel General Rating			8					

			Maintenance R	Recommend	dations					
Inspector Recommend	lations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS					•					
PLACE ADDITIONAL F	RIP RAP									
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE	COLLAR/CUTC	FF								
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition (%)	Rating (Last/No	ow) 66.7/66	Sufficiency Rating (Last (%)		70.1/70.0	Est. Repl. Yr	2019	Maint. Re	qd. (Y/N)	No
	ise to CUL1 forn ection.	n per 17Sep201	2 inspection; confirm rings measured	d next	Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	1 0	
Proposed Long-Term S	•									
On 3-Year Program (Y	/N)									
Proposed Action										
Previous Inspector's N	ame	Owen Salava		Previous	evious Assistant's Name					
Next Inspection Date		17-Dec-2015		Previous	Previous Inspection Date 02-Nov-2009					
·		39								
Comment										