					Brida	e Culve	ert Inspe	ection				
Bridge File Nu						Shage ourre		уре	CUL1			
Year Built 1992			V				Lot No.		4			
Bridge or Towr	Name					Inspector Name		Garry Roberts				
Located Over		MUNICI	PAL					or Class	BR CLS A			
Located On 1:06 L1 10.446							Assistant Name					
Water Body Cl	./Year						Assistant Class					
Navigabil. Cl./							Inspection Date		11-Feb-2012			
Legal Land Lo		SW SEC					Data Entry By		Erin Roberts			
Longitude, Lati		-114:36:					Data Entry Date		14-Mar-2012			
Road Authority							Reviewer Name		Tom Carey			
Contract Main.		CMA28	, ,					Date	22-Feb-2012			
Clear Roadway		13 /							Tim Davies			
AADT/Year	, onen		2010 (A)						22-Mar-2012			
Road Classific	ation	RAD-41										
Detour Length		1	2.1 120				Follow-Up By					
Bridge Culver	· · · ·	•										
Number of Cul			1									
Pipe #	Barrel			Rise (or	Dia.) Type			Length	Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		4900	4600	BPR			36.3			RECTANGL	
Posted: Lane Remarks Utility Attachm	Restri N/B po	cted visit	Bridge (m) bility/keep right E/B culvert.	In Adv & 15 km/	'nr.	<u> </u>	Yes La		Dn Bridge (m) 4	.5 In Advar	nce (Y/N) Yes	
Telephone	South	ditch					Gas					
Power	South	ROW.					Municip	bal				
Others	Fibre	optics @	N R/W				Probler	n (Y/N) No				
Remarks												
				A	pproad	ch Roa	d / Emba	ankment				
					Last	Now	Explanation of Condition					
Horizontal Alig	nment			7	7	Merge	anes to West -	WB traffic.				
Vertical Alignm	nent				6	6	Crest c	urve to the Eas	st limits visibility. Hermitage Road.			
		13.000										
Embankment					6	6						
Sideslope (_:1)		2.0				_					
(Height of Co	over(m) :	0.5)										
Guardrail (Y/N) Yes												
Approach Road / Embankment General Rating				6	6							
						Upstre	am End					
Culvert Component			Last	Now	1	ation of Cond	ition					
Direction					North							
End Treatment (Concrete, Steel, CONCRETE Others, None)												
Headwall				7	7	Cracks	@ corners					

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Collar			X							
Wingwalls		7	7	Narrow to hairline crks with leaching						
(Shape :)										
Cutoff Wall		X	X							
Bevel End		X	X							
Heaving (mm)	0									
Invert Above/Below Stream Bed				-						
Above/Below (mm)	0									
Scour Protection		X	X							
(Туре :)				-						
(Avg. Rock Size(mm) :)										
Scour/Erosion		X	X							
Beavers (Y/N)	No		_							
Upstream End General Rating		7	7							
		Brid	dge <u>Cu</u>	Ivert Barrel						
Culvert Component		1		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 4900), Rise (mm): 4600, Type: BPR)						
Barrel Last Accessible Date	11-Feb-2012									
Special Features										
Special Feature				Safety Rail						
(Туре:)				_						
Special Feature										
(Туре :)										
Roof		7	7	2 WIDE cracks @ roof-1mm WIDE.						
Measured Rise (mm)	4600			_						
Measured At Ring No.				_						
Sag (mm)	0			-						
Percent Sag			_							
Sidewall		7	7	Vertical cracks to 0.5 mm						
Measured Span (mm)	4900			correspond to original steel piles.						
Measured At Ring No.				_						
Deflection (mm)	0			_						
Percent Deflection										
Floor		7	7	Cracks are every 1.5 m approx. @ median						
Bulge (mm)	0			_						
Measured At Ring No.				_						
Abrasion (Y/N)	No									
Circumferential Seams		7	7	_						
Separation (mm)	30									
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)				1						

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

74597 W-2 Bridge Culvert

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Sp	oan (mm): 4900	, Rise (mm): 4600, Type: BPR)				
Coating		7	7	Barrel walls coated with pigmented sealer - grey				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	No							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		X	X					
Baffle		Х	X					
(Туре :)								
Waterway Adequacy		Х	X					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		7	7					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	1			South end.				
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		7	7	Vertical and diagonal cracks				
Collar		X	X					
Wingwalls			6	Diagonal cracks at wings initiating at top towards barrel with leaching. Common wall with 74597E				
(Shape :) Cutoff Wall		V	V					
		X	X					
Bevel End		X	X					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)	0		1					
Scour Protection		X	X					
(Type :)								
(Avg. Rock Size(mm) :)								
Scour/Erosion		X	X					
Beavers (Y/N)	No							
Downstream End General Ratir	ıg	6	6					
				e Usage				
		Last	Now	Explanation of Condition				
Grade Separation		5						
Road Alignment			5	Posted for 15 km/hr, 4.9 m clear r/w.				
Roadway Surface			5					
(Type : GRAVEL)				Gravel approaches				
Icing (Y/N)	No							
Traffic Safety Features		X	Х					
Туре								

Structure Usage									
		Last	Now	Explanation of Condition					
Lighting			X						
Barrel Leakage (Y/N)	No								
Drainage			6						
Structure In Use (Y/N)	Yes								
Grade Separation General Rating			5						

74597 W-2 Bridge Culvert

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL 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/Now) (%)		77.8/77.8	8 Sufficiency Rating (Last/N (%)	low) 7	75.8/75.8	Est. Repl. Yr	2048 Maint. Re		qd. (Y/N)	No	
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 Garr		Roberts		Previous Assistant's Name							
Next Inspection Date 1		/-2013		Previous Inspection Date 15-Sep-2010							
Inspection Cycle (Default) (months) 21											
Comment											