Bridge Culvert Inspection														
Bridge File Number 73824 -1 I			I Bridge Culvert				Form Type			CUL1				
Year Built 1983							Lot No.			4				
Bridge or Town	Name B	BROOKS	3				Inspector Name			Tom Carey				
Located Over	E	ID - ON	E TREE CK, V	NATERC	RS-IC		Inspector Class			BR CLS A				
Located On	1	:18 R1 ′	12.448;1:18 L [·]	1 12.469			Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	ear				Inspection Date			15-Feb-2012						
Legal Land Loc	ation N	IW SEC	34 TWP 18 RGE 14 W4M					ntry By		Lauren Korte				
Longitude, Latitude -111:51:12			12, 50:34:02					ntry Date	•	26-Mar-2012				
Road Authority Alberta Tr			Fransportation (AIT)					er Name	•	Garry Roberts				
Contract Main. Area CMA23								Review Date		26-Feb-2012				
Clear Roadway/Skew 25.6 / 22			deg. (RHF)		Dept. Reviewer Name			Tim Davies						
AADT/Year	7	,280 / 2	011 (A)		Dept. Review Date		29-Mar-2012							
Road Classifica	ation R	RFD-412	2.4-130		Follow-Up By									
Detour Length ((km) 1													
Bridge Culvert Information														
Number of Culv	/erts	1									1			
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	4	440	2785		RPE		70.1		152X51		ELLIPSE		
Special Feature	es													
Special Features Comment														
					+;	litios (l	ocated	at)						
Utility Attachme	ents				01	11100 (1	ocarca	aty						
Telephone	elephone North and South ROW Cas													
Power 3 wire X's road 10m W							Municipal							
Others Light standards						Problem (Y/N) No								
Remarks														
Approach Road / Embankment														
				Last	Now	Explanation of Condition								
Horizontal Alignment			8	8										
Vertical Alignment				9	9									
Roadway Width	Roadway Width (m)		25.600											
Embankment					7	7	5:1 @ 3	South.						
Sideslope (_:1)		4.0]							
(Height of Co	ver(m) : 1	∣ .1)												
Guardrail (Y/N)			Yes											
Approach Roa	d / Emba	nkment	t General Rat	ing	8	8								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explan	ation of	Condit	ion				
Direction			S		South.									
End Treatment (Concrete, Steel, CONCRETE														
Headwall			-		8	8								
Collar				8	8									
Wingwalls					X	X								
(Shape)					~									
Cutoff Wall					N	N	Buried							

Alberta Transportation

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			Iced over.						
Above/Below (mm)	100									
Scour Protection		7	7	Ingrown.						
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			7							
Beavers (Y/N)	No									
Upstream End General Rating			7							
		Brid	lge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm)): 4440), Rise (mm): 2785, Type: RPE)						
Barrel Last Accessible Date	15-Feb-2012									
Special Features										
Special Feature										
(Туре :)										
Special Feature										
(Туре :)										
Roof		N	7	Est.						
Measured Rise (mm)	2671									
Measured At Ring No.	2									
Sag (mm)	114									
Percent Sag	4									
Sidewall	•	N	7							
Measured Span (mm)	4508									
Measured At Ring No.	8									
Deflection (mm)	68									
Percent Deflection	2									
Floor		N	N	500mm DP ice.						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		N	7							
Separation (mm)	0									
Longitudinal Seams		N	7	Several roof/side seams with 4706mm gap. Minor25mm cusping.						
Total No. of Cracked Rings	0			Ends only - not below traffic.						
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)										
Proper Lan (Y/N) No				1						
Longitudinal Stagger (V/N)	No									
		N	Λ	Pitting @ lower sidewall seams & floor						
Corrosion By Soil (V/NI)	No	IN								
Corrosion By Water (V/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Bric	dge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	in (mm): 4440	, Rise (mm): 2785, Type: RPE)				
Fish Passage Adequacy		7	7					
Baffle		X	X					
(Type :)								
Waterway Adequacy			7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating			7					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N		North.				
End Treatment (Concrete, Steel, Others, None)	STEEL		-					
Headwall		X	X					
Collar			X					
Wingwalls		X	X					
(Shape :)								
Cutoff Wall		X	X					
Bevel End			7					
Heaving (mm)	200							
Invert Above/Below Stream Bed	BELOW			Iced over.				
Above/Below (mm)	300		1					
Scour Protection		7	7	Ingrown.				
(Type : RIP RAP)				-				
(Avg. Rock Size(mm) : 300)		1	1					
Scour/Erosion			7					
Beavers (Y/N)	Seavers (Y/N) No							
Downstream End General Ratin	ng	7	7					
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)			1					
Alignment			7	(Rock in barrel) Smaller arch pipe in South service road U/S				
Bank Stability			5	Steep cut @ U/S.				
HWM (m below Top of Culvert)	1.6			No visible HWM.				
Drift (Y/N) No								
Channel Bottom AGGRADING Degrading/Aggrading				Rock @ D/S.				
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			7					

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/77.8	8 Sufficiency Rating (Last/N (%)	low) (65.6/76.2	Est. Repl. Yr 2030		Maint. Reqd. (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 Garry		Barry Roberts Previou			Assistant's Name						
Next Inspection Date 15-		15-Nov-2013			Inspection Date						
Inspection Cycle (Default) (months) 21											
Comment											