Bridge Culvert Inspection														
Bridge File Number 74187 -1			' -1 Bridge Culvert				Form Type			CUL1				
Year Built 1997							Lot No.			3				
Bridge or Town	Name V	/IKING					Inspector Name			Jason Saly				
Located Over	2	2ND ORI	DER TRIBUT	ARY TO E RS-ST	BIRCH	LAKE,	Inspector Class			BR CLS A				
Located On	3	6:18 C1	17.154				Assistant Name							
Water Body Cl./	Year		-					nt Class						
Navigabil. Cl./Ye					Inspection Date			09-Jan-2013						
Legal Land Location NW SEC			C 24 TWP 49 RGE 13 W4M							Marcia Chavez				
Longitude, Latitude -111:47:0		04, 53:14:51				Data Entry Date		12-Feb-2013						
Road Authority Alberta T		ransportation	(AIT)			Review Date		John O Brien 19- Jan-2013						
Contract Main. Area CMA14						Dept. Reviewer Name		Darron Ablstedt						
Clear Roadway/Skew 11.8 /		1.8 /					Dept. Review Date		Darron Anisteul 13-Feb-2013					
AADT/Year	1	,150 / 2	:011 (A)				Follow-Lip By		I3-F6D-2013					
Road Classificat	tion R	RAU-211	1.8-110					гоном-ор ву						
Detour Length (H	km) 3	}												
Bridge Culvert Information														
Number of Culve	erts	1									1			
Pipe #	Barrel	S	Span	Rise (or	Dia.) Type			Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2700		MP		38		68X13	3.5	ROUND		
Special Features	s													
Special Features	Special Features Comment													
					1 1+i	litios (l	ocated	at)						
Litility Attachmer	nts				01	inties (L	ocaleu	aty						
Telephone	Plowed	in West	t ditch				Gas							
Power	2 wires	OH 25n	n West of c/l.				Municipal							
Others							Problem (Y/N) No							
Remarks														
	1			A	pproad	ch Road	l / Emba	ankment						
					Last	Now	Explan	ation of	Condit	ion				
Horizontal Alignment				6	6	Horizontal curve begins 100m north. Good sight distance both								
Vertical Alignment				8	8	airections. I urning lane starts @ pipe on NB lane. No passing NB.					passing NB.			
Roadway Width (m)		11.600												
Embankment					6	N	Wide tr	Wide transverse ACP crack across full width of road - photo.						
Sideslope (:	(:1) 3.0					Snow covered.								
(Height of Cov	ver(m) : <b>2</b>	2)												
Guardrail (Y/N)			No											
Approach Road	d / Emba	ankmen	t General Rat	ing	6	6								
						Upstre	am End							
Culvert Component			Last	Now	Explan	ation of	Condit	ion						
Direction			E											
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall					X	X								
Collar				X	X									
Wingwalls					X	Х								
(Shape : )							1							
Cutoff Wall					X	Х								

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Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		8	7	(100mm silting @ inlet floor, tapers to zero @ 1/3 L. 30/May/2006).							
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	400										
Scour Protection			N	Snow covered.							
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : 350)			-								
Scour/Erosion		8	N								
Beavers (Y/N)	No										
Unstream End General Rating			7								
		Bric	dge Cu	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2700, Type: MP)							
Barrel Last Accessible Date	09-Jan-2013										
Special Features											
Special Feature				-							
(Type:)				4							
Special Feature				-							
(Туре:)			-								
Roof		8	7	Could not measure rise due to ice							
Measured Rise (mm)											
Measured At Ring No.											
Sag (mm) 50											
Percent Sag											
Sidewall		8	7	Span at W end =2627=73mm=2.7%							
Measured Span (mm)	leasured Span (mm) 2627			Span at midpipe=2676=24mm Span at F end=2666=345mm							
Measured At Ring No.				Inwards 2.7%							
Deflection (mm)	73										
Percent Deflection	3										
Floor		N	N	(Minor upward dent 3.0m from outlet. 30/May/2006) Covered by							
Bulge (mm)	0			water/ice.							
Measured At Ring No.											
Abrasion (Y/N)	No										
Circumferential Seams		8	6	Minor dents alogn seams.							
Separation (mm)	60										
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)				1							
Longitudinal Stagger (Y/N)				1							
Coating		8	7								
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	Yes			Minor							
Camber POS/ZERO/NEC ZERO											
Ponding (Y/N)	No										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

74187 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	i <mark>n (mm</mark>	):	, Rise (mm): 2700, Type: MP)						
Fish Passage Adequacy		7	7							
Baffle		X	X							
(Туре : )		1								
Waterway Adequacy			8	(Minor silting will easily flush in a flood. 30/May/2006)						
Icing (Y/N)	No			(10Aug2009), Iced over						
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating		8 7								
		D	ownst	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		W		-						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	X							
Wingwalls		Х	Х	-						
(Shape : )		1	1							
Cutoff Wall		X	X							
Bevel End		8	N	Snow covered.						
Heaving (mm) 0										
Invert Above/Below Stream Bed BELOW				-						
Above/Below (mm)	400									
Scour Protection		8	N	-						
(Type : <b>RIP RAP</b> )				-						
(Avg. Rock Size(mm) : <b>350</b> )		1	1							
Scour/Erosion			N							
Beavers (Y/N) No										
Downstream End General Ration	ıg	8	N	GR was 8 from 09Dec2010.						
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7	Gentle curves U/S & D/S.						
Bank Stability			7							
HWM (m below Top of Culvert) 0.9				(28/Mar/2008) HWM not visible.						
Drift (Y/N) No										
Channel Bottom NONE Degrading/Aggrading				(10Aug2009). Snow covered.						
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7							

Maintenance Recommendations											
Inspector Recommendations		Year	Inspecto	r Comments		Department Com	ments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION		2013	Seal tran	s. crack in ACP over	pipe.						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		88.9/77.	8	Sufficiency Rating (Last/Now) (%)		87.1/77.4	Est. Repl. Yr 2044		Maint. Reqd. (Y/N)		Yes
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) N											
Proposed Action 2007.05.19 check site again in two years to determine continued usage.											
Previous Inspector's Name	Dave L	Previou:				Assistant's Name					
Next Inspection Date 09-0		09-Oct-2014			Previous	Inspection Date					
Inspection Cycle (Default) (months) 21											
Comment											