Bridge Culvert Inspection													
Bridge File Number 74036 -1		-1 Bridge Culvert				Form Type		CUL1					
Year Built 2000						Lot No.		4					
Bridge or Town	Name M	/ORIN\	/ILLE				Inspector Name		Todd Warshawski				
Located Over	T	RIBUT	ARY TO RIVIE	ERE QUI I S-ST	BARRI	Ξ,	Inspector Class		BR CLS B				
Located On	4	4:00 C	1 25.352	0.01			Assista	Int Name					
Water Body CI./	Year							Assistant Class					
Navigabil. CI./Ye	ear						Inspection Date		16-Apr-2013				
Legal Land Location NW SEC		C 29 TWP 55 RGE 26 W4M					Data Entry By		Lisa Fairhurst				
Longitude, Latitude -113:50:		0:35, 53:47:15					Reviewer Name		01-May-2013				
Road Authority Alberta		Iberta 7	ta Transportation (AIT)					Review Date		29-Apr-2013			
Contract Main. Area CMA09							Dept. Reviewer Name						
Clear Roadway/Skew 12.5 /							Dept. Review Date						
AADT/Year	AADT/Year 4,58		,580 / 2012 (A)					Up Bv					
Road Classificat	tion R	RAU-21	1.8-110				гоном-ор ву						
Detour Length (km) 3												
Bridge Culvert Information													
Number of Culve	erts		1							1			
Pipe #	Barrel	5	Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-		2400		MP		45		125X26	2.8	ROUND	
Special Feature	s												
Special Feature	s Comme	ent											
					1 14	ilitios (l	ocatod	at)					
Utility Attachme	nts				01	inties (L	Jocaleu	atj					
Telephone West r/w.						Gas		To So	uth approx 75m				
Power	3 wires t	es to East r/w.					Municia	bal					
Others							Problem (Y/N) No						
Remarks Tagged on d/s crown.													
				Α	pproa	ch Road	d / Emba	ankment					
					Last	Now	Explanation of Condition						
Horizontal Alignment						Access road to North & South.							
Vertical Alignment		40.500		7	7								
Roadway Width (m)		12.500											
Embankment					9	8							
Sideslope (:1)		4.0										
(Height of Cov	/er(m) : 1	.7)											
Guardrail (Y/N)			No										
Approach Road	d / Emba	nkmen	nt General Rating		7	7							
Culvert Compo	nont				Last	Upstre	am End	otion of	Condi	tion			
Direction	nent						Explan	ation of	Condi	lion			
End Treatment (Concrete, Steel, ST		, STEEL				-							
Others, None)			X	X									
Coller				Y	Y								
Wingwalls						X							
(Snape:)					V	v							
Cutoff Wall					X	X							

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	N	Under water						
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 600										
Scour Protection			8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		8	8							
Beavers (V/N) No										
Upstream End General Rating		8	8							
		Brid	lge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm)):	, Rise (mm): 2400, Type: MP)						
Barrel Last Accessible Date	30-Sep-2009			1.9m water in pipe						
Special Features	·									
Special Feature										
(Туре :)										
Special Feature										
(Туре :)										
Roof		8	N	Viewed from ends, looks good.						
Measured Rise (mm)	2413									
Measured At Ring No.										
Sag (mm) 13										
Percent Sag										
Sidewall		8	N	Viewed from ends, looks good.						
Measured Span (mm)	2357									
Measured At Ring No.										
Deflection (mm)	43			_						
Percent Deflection	1									
Floor		N	N	Water covered						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		N	N							
Separation (mm)	30									
Longitudinal Seams		Х	Х							
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		N	N							
Corrosion By Soil (Y/N)	No			1						
Corrosion By Water (Y/N)	Yes			1						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
3,,	-									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2400, Type: MP)					
Fish Passage Adequacy		7	7						
Baffle		Х	Х						
(Type :)									
Waterway Adequacy		7	7						
Icing (Y/N)	Icing (Y/N) No								
Silting (Y/N)	I) No								
Drift (Y/N)	No								
Barrel General Rating			N	GR was '8' on Sept 30, 2009					
	eam End								
Culvert Component		Last	Now	Explanation of Condition					
Direction		E		-					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar	Collar								
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall		X	X						
Bevel End		8	N	Under water					
Heaving (mm)	0								
Invert Above/Below Stream Bed	Invert Above/Below Stream Bed BELOW								
Above/Below (mm)	600								
Scour Protection		8	8						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion			8						
Beavers (Y/N)	avers (Y/N) No								
Downstream End General Rating		8	8						
		S	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			8						
Bank Stability			8						
HWM (m below Top of Culvert) 0.5				Water level on Apr/13					
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading				Stable.					
Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			8						

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/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION	OTHER ACTION										
OTHER ACTION								1			
Structural Condition Rating (Last/Now) (%)			55.6/55.6 Sufficiency Rating (Last/N (%)		(Last/Now) 6	6.2/66.1 Est. Repl. Yr 2056		2056	Maint. Reqd. (Y/N) No		
Special Comments for Next Inspection	As this structure has required as per BIM Based on observed later date.	s not be manua site eva	en acces I section aluations	ssed for 2 or more cycles, a Le 13.9.1.5. we are recommending that this	vel 2 inspection is s be deferred to a	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 Kris		Kris Bo	Kris Bosters			Previous Assistant's Name					
Next Inspection Date 16-		16-Jan	16-Jan-2015			revious Inspection Date 06-Jul-2011					
Inspection Cycle (Default) (months) 21		21			· · · · ·						
Comment											