Bridge Culvert Inspection														
Bridge File Number 71064 -1 Bridge Culvert					Form Type		CUL1							
Year Built 1978			8				Lot No.		4					
Bridge or Town Name SPIRIT RIVER						Inspector Name		Brian Pientsch						
Located Over	TRI	BUTA	JTARY TO SPIRIT RIVER, 8.10.72.6.3,			Inspector Class			BR CLS A					
Located On	731	·02 C	C1 7.696				Assistant Name		Brian Cote					
Water Body CL/Year								Assistant Class						
Navigabil CL/Vear					Inspection Date		07-Jul-2011							
Legal Land Loca	ation NW	SEC	10 TWP 77 R		Data Entry By			Lisa Fairhurst						
Longitude Latitu	Legal Land Location NW SEC		3 55:39:41		Data Entry Date		12-Aug-2011							
Road Authority Alberta T		ransportation		Reviewer Name		Arnold Assenheimer								
Contract Main, Area CMA05		· · · · · · · · · · · · · · · · · · ·		Review Date		13-Jul-2011								
Clear Roadway/Skew 10 / -6 de		eg. (LHF)		Dept. Reviewer Name		Steve Pasquan								
AADT/Year	590	/ 201	0 (A)		Dept. Review Date		16-NOV-2011							
Road Classificat	tion RC	J-209	9-110				Follow-Up By							
Detour Length (I	km) 10													
Bridge Culvert Information														
Number of Culverts 1														
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	610	2877		SPE		54.9		152X51	3.0	ELLIPSE		
Special Feature	s													
Special Features	s Comment	:												
					1 14	ilitios (l	ocatod	at)						
Litility Attachme	nts				01	littles (L	ocaleu	atj						
Telephone	East r/w						Gas							
Power	1 o/h Eas	ł				Municipal								
Others		•					Problem (Y/N) No							
Remarks														
				A	pproad	ch Road	l / Emba	ankment						
						Now	Explanation of Condition							
Horizontal Alignment					7	7	RR 772 150m North.							
Vertical Alignment				6	6	Crest c	urve 50m	north	1.					
Roadway Width (m)		10.000	)0											
Embankment				7	7									
Sideslope (:	:1)		3.0											
(Height of Cov	ver(m) : <b>7</b> )													
Guardrail (Y/N)			No											
Approach Road	d / Embank	ment	t General Rat	ing	6	6								
						Upstrea	am End							
Culvert Compo	nent				Last	Now	Explan	ation of C	Condit	ion				
Direction					W		(West)							
End Treatment ( Others, None)	(Concrete,	Steel,	CONCRETE			-								
Headwall			X	X										
Collar				7	7									
Wingwalls					X	Х								
(Shape : )														
Cutoff Wall				N	N									

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	Upstream End								
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		X	X						
Heaving (mm)	300								
Invert Above/Below Stream Bed ABOVE				-					
Above/Below (mm) 100									
Scour Protection		4	4	Sloughing 600mm above concrete North and South sides.					
(Type : )				-					
(Avg. Rock Size(mm) : )									
Scour/Erosion			4						
Beavers (Y/N)	No								
Upstream End General Rating			4						
		Bric	dae Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm	): 2610	), Rise (mm): 2877, Type: SPE)					
Barrel Last Accessible Date	07-Jul-2011								
Special Features									
Special Feature									
(Type : )									
Special Feature									
(Type : )									
Roof		7	5						
Measured Rise (mm)	2720								
Measured At Ring No.	8								
Sag (mm)	157								
Percent Sag	6								
Sidewall		7	7						
Measured Span (mm)	2639								
Measured At Ring No.	8								
Deflection (mm)	29								
Percent Deflection	1								
Floor		N	N						
Bulge (mm)	0								
Measured At Ring No.				-					
Abrasion (Y/N)	No			1					
Circumferential Second		7	7						
Separation (mm)	0		1						
	~	7	7	Alkali building on holts and seems					
Total No. of Cracked Pings	0		1	י אותמו שמוומוויץ טוי שטונש מווע שבכוווש.					
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (V/N)	No			-					
		N	N	(Ditting rust on floor 2002 07 15)					
	Voo	IN	IN	(Filling fust on noor 2002-07-15)					
Corresion By Soli (Y/N)	Vee			-					
	NEO								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 2610, Rise (mm): 2877, Type: SPE)										
Fish Passage Adequacy		Х	5	Drop at outlet.						
Baffle		X	Х							
(Туре : )										
Waterway Adequacy			5	Scour hole @ outlet.						
Icing (Y/N)	No			Drift at top of crown at u/s end.						
Silting (Y/N)	No									
Drift (Y/N)	Yes		-							
Barrel General Rating		7 5								
	1	D	Downstream End							
Culvert Component		Last	Now	Explanation of Condition						
Direction	Direction			(East)						
End Treatment (Concrete, Steel, Others, None)	STEEL		1							
Headwall		Х	Х							
Collar		Х	X							
Wingwalls		Х	X							
(Shape : )										
Cutoff Wall		Х	Х							
Bevel End		N	4	Bevel unsupported for 2.0m.						
Heaving (mm)	Heaving (mm) 150									
Invert Above/Below Stream Bed	ABOVE			-						
Above/Below (mm)	300									
Scour Protection		N	4	Scour hole at outlet and around bevel.						
(Туре:)										
(Avg. Rock Size(mm) : )										
Scour/Erosion			4	Could not inspect due to snow.						
Beavers (Y/N)	No									
Downstream End General Ratin	ng	4	4							
		s	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			7							
Bank Stability			6							
HWM (m below Top of Culvert) 3.0				(Drift at inlet - 98-11-11)						
Drift (Y/N) Yes										
Channel Bottom DEGRADING Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		6	6							

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/CUTC	)FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		77.8/55.	6 Sufficiency Rating (Last/Now (%)	v) 7	76.1/53.6 Est. Repl. \		2023	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	Laurie	McCarro	n Pro	Assistant's Name	Russel Vande	ussel Vanderschaaf					
Next Inspection Date 07-O		07-Oct-2014 Previ			nspection Date						
Inspection Cycle (Default) (months) 39											
Comment											