Bridge Culvert Inspection														
Bridge File Num	ber 739	927 -1	Bridge Culve	idge Culvert			Form Type		CUL1					
Year Built 1966							Lot No.			2				
Bridge or Town I	Name SP	IRIT R	IVER				Inspector Name		Brian Pientsch					
Located Over	TR	IBUTA	RY TO HOW		EEK,		Inspector Class			BR CLS A				
Loostod On	8.1	0.82.2	.4, WATERU	3-51			Assistant Name		Brian Cote					
Motor Pody CLA	49. Voor	04 0 1	5.773				Assistant Class							
Navigabil CL/Xe					Inspection Date		06-Jul-2011							
Legal Land Location NW/ SEC								ntry By		Lisa Fairhurst				
Longitude Latitude -119:09:0			2:08 55:48:14					Data Entry Date		12-Aug-2011				
Road Authority Alberta T			Transportation (AIT)					er Name	•	Arnold Assenheimer				
Contract Main, Area CMA05			5					Review Date		13-Jul-2011				
Clear Roadway/Skew 11 /								Dept. Reviewer Name		Steve Pasquan				
AADT/Year	1,6	50 / 20	/ 2010 (A)				Dept. Review Date			18-Nov-2011				
Road Classificat	ion RA	U-210	210-110				Follow-Up By							
Detour Length (k	(m) 10													
Bridge Culvert Information														
Number of Culverts 1														
Pipe # E	Barrel	S	pan	Rise (or	Dia.)	Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	17	720	1902		SPE		36.6		152X51	4.0	ELLIPSE		
Special Features	S	С	ONC FLOOR											
Special Features	Special Features Comment													
Utility Attachmer	nts				01		ocarca	aty						
Telephone West and Fast Gas 40m north														
Power	3 line o/h	50m w	/est				Munici	bal						
Others							Problem (Y/N) No							
Remarks	Remarks													
				Α	pproa	ch Road	d / Emba	ankment						
						Now	Explanation of Condition							
Horizontal Alignment				6	6	_ACCESS - 50M NORTH IN SLIGHT SAG, passing both direction								
Vertical Alignment				7	7									
Roadway Width (m)			11.000											
Embankment				8 8			Cabion wall at d/a and							
Sideslope (:	1)		3.0				Gabion wall at 0/s end.							
(Height of Cov	er(m) : 2)		1											
Guardrail (Y/N) Yes						West section hit. 5 broken posts.								
Approach Road	l / Embanl	kment	General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion				
Direction	<u> </u>	<u> </u>	0		W		-							
End Treatment (Others, None)	Concrete,	Steel,	SIEEL											
Headwall			X	Х										
Collar			X	Х										
Wingwalls			X	X										
(Shape :)					1									
Cutoff Wall			X	X										

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			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End	I	7	7						
Heaving (mm)	50								
Invert Above/Below Stream Bed ABOVE				_					
Above/Below (mm) 25									
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 350)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating			7						
		Brid		Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1. Primary Span, Locat	tion Code: MAIN. Spa	n (mm): 1720	D. Rise (mm): 1902. Type: SPE)					
Barrel Last Accessible Date	06-Jul-2011	. (<u>,</u>	,,,,,,					
Special Features									
Special Feature			7	500 x 300 mm					
(Type : CONC FLOOR)				Kougn termination of floor @ u/s end.					
Special Feature				-					
(Туре :)									
Roof		5	5	Est					
Measured Rise (mm)	1807			With conc. floor. 300 x 150mm hole in roof from construction in R3 - no problem. It					
Measured At Ring No.	7			was fixed with an outside plate.					
Sag (mm)	95								
Percent Sag	5								
Sidewall		5	5						
Measured Span (mm)	1830								
Measured At Ring No.	7								
Deflection (mm)	110								
Percent Deflection	6								
Floor		7	7	Rated areas not covered with concrete.					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	7						
Separation (mm)	0								
Longitudinal Seams		7	7						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)				[☐] 1N stagger.					
Proper Lap (Y/N) No				1					
Longitudinal Stagger (Y/N) Yes									
Coating		6	6	Minor superficial on floor U/S of concrete.					
Corrosion By Soil (Y/N)	Yes		-	1					
Corrosion By Water (Y/N)	Yes			1					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	Yes			Caused by abrupt beginning of concrete floor.					
3 ()	1								

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1720	, Rise (mm): 1902, Type: SPE)					
Fish Passage Adequacy		4	4	Steep slope and conc. floor.					
Baffle		Х	Х						
(Type :)									
Waterway Adequacy			7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			5						
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		E							
End Treatment (Concrete, Steel, STEEL Others, None)			1						
Headwall		X	N						
Collar			Х						
Wingwalls		X	N						
(Shape :)									
Cutoff Wall		Х	Х						
Bevel End			5						
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm) 1000									
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 450)									
Scour/Erosion			7						
Beavers (Y/N) No			1						
Downstream End General Rating			5						
		S	tructur	e Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			7						
Bank Stability			5	Vertical banks d/s					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) No									
Channel Bottom DEGRADING Degrading/Aggrading				Beaver signs upstream.					
Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			5						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspecto	r 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	DFF										
REPAIR SEAMS											
OTHER ACTION		2011	Repair g	uardrail							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/55.	6	Sufficiency Rating (Last (%)	/Now)	54.1/54.2	Est. Repl. Yr	2025	Maint. Red	qd. (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)											
Proposed Action											
Previous Inspector's Name S		Shane Hall F				bus Assistant's Name					
Next Inspection Date	06-Apr-2013			Previous	Inspection Date	27-Oct-2009					
Inspection Cycle (Default) (months) 2											
Comment											