Bridge Culvert Inspection														
Bridge File Number 07209 -1 Bridge Culvert						Form Type			CUL1					
Year Built	Year Built 1970					Lot No.				4				
Bridge or Town	Name	ORION						Inspector Name		Jon Davies				
Located Over		PEIGAN	N CREEK, 2.7.1	.13, WAT	TERCF	RS-ST	Inspector Class			BR CLS B				
Located On		887:04	C1 12.254				Assistant Name							
Water Body Cl./	Year						Assistant Class							
Navigabil. Cl./Y	ear						Inspection Date			25-Jun-2012				
Legal Land Loc	ation	SE SEC	24 TWP 7 RGE 7 W4M				Data Entry By		Lauren Korte					
Longitude, Latit	ude	-110:49	:09, 49:34:20	)9, 49:34:20					Data Entry Date		26-Jul-2012			
Road Authority Alberta Tra			Transportation		Reviewer Name		Garry Roberts							
Contract Main. Area CMA24							Review Date		09-Jul-2012					
Clear Roadway/Skew 9 /								Dept. Reviewer Name		Tim Davies				
AADT/Year 230 / 2017			011 (A)	11 (A)					Dept. Review Date		30-Jul-2012			
Road Classifica	ition	RCU-20	9-110				Follow	Up By						
Detour Length (	(km)	10												
Bridge Culvert Information														
Number of Culverts 1														
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	4877		SP		73.5		152X51	3.0	ROUND		
Special Feature	s													
Special Feature	Special Features Comment													
					1 14	litico /l	aaatad	<b>at</b> )						
Litility Attachmo	nte				Ut	inties (L		at)						
	Wort						Gas							
Power	Fact F						Munici	al						
Othors	Edolr						Problem (Y/N) No							
Remarks	-							11 (171 <b>N</b> )						
Remarks				Δ	nnroad	ch Road	l/Emb	ankment						
Last Now Explanation of Condition														
Horizontal Align	ment				6	6	Road rises to the North and South- curves both ends.							
Vertical Alignment				6	6	-								
Roadway Width (m)		8.300												
Embankment					7	7								
Sideslope (	:1)		3.0											
(Height of Cov	ver(m) :	9)												
Guardrail (Y/N)			No											
Approach Roa	d / Emb	bankmer	nt General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explan	ation of	Condit	tion				
Direction							East.							
End Treatment Others, None)	(Concre	ete, Stee	I, CONCRETE											
Headwall					Х	Х								
Collar	Collar				6	5	Isolated wide cracks and settlement up to 75mm at SE.					Ε.		
Wingwalls					X	Х								
(Shape : )						1	1							
Cutoff Wall					N	Ν								

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	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		7	5	Minor inward deflection at SE at seam with Ring 1.							
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	700		1								
Scour Protection			5								
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : 350)		1	1								
Scour/Erosion		7	5	Minor scour.							
Beavers (Y/N)	No										
Upstream End General Rating		6	5								
		Bric	lge Cu	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm)	):	, Rise (mm): 4877, Type: SP)							
Barrel Last Accessible Date	28-Jul-2002			Not accessible- deep water.							
Special Features	· · · · · · · · · · · · · · · · · · ·		1								
Special Feature											
(Type : )											
Special Feature											
(Туре : )											
Roof		N	N	Viewed from U/S end- general shape appears to be good.							
Measured Rise (mm)	4870										
Measured At Ring No.											
Sag (mm)	7										
Percent Sag											
Sidewall		N	N								
Measured Span (mm)	4730										
Measured At Ring No.											
Deflection (mm)	3										
Percent Deflection											
Floor		N	N								
Bulge (mm)	0										
Measured At Ring No.											
Abrasion (Y/N)	No										
Circumferential Seams		N	N	(staggered) 28-Jul-2002							
Separation (mm) 0											
Longitudinal Seams		N	N	(#4, #5 RING FROM D/S INSTALLATION BULGES) 2002/07/28							
Total No. of Cracked Rings	0										
Total No. of Rings with Two Cracked Seams											
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N) No											
Longitudinal Stagger (Y/N)	No										
Coating		N	N	(some alkali staining on roof around bolt holes) 2002/07/28							
Corrosion By Soil (Y/N)											
Corrosion By Water (Y/N)	Yes			1							
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

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Bridge Inspection & Maintenance System (Web 2005)

07209 -1 Bridge Culvert

	1	Brid	dge Cu	Ivert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa			):	, Rise (mm): 4877, Type: SP)					
Fish Passage Adequacy		5	5						
Baffle		X	Х						
(Туре : )									
Waterway Adequacy			7	(Some silt and large rocks in the pipe) 2002/07/28					
Icing (Y/N)	No								
Silting (Y/N)	Yes								
Drift (Y/N)	Drift (Y/N) No								
Barrel General Rating		N	N						
	ream End								
Culvert Component		Last	Now	Explanation of Condition					
Direction	1			-					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		X	X						
Wingwalls		X	X						
(Shape : )									
Cutoff Wall		X	X						
Bevel End	Bevel End			_					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			_					
Above/Below (mm)	1000								
Scour Protection		7	7						
(Type : <b>RIP RAP</b> )				-					
(Avg. Rock Size(mm) : <b>350</b> )									
Scour/Erosion			7						
Beavers (Y/N) No									
Downstream End General Ration	ng	7	7						
		s	Stru <u>ctu</u>	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7						
Bank Stability			7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom DEGRADING Degrading/Aggrading				_					
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)		1						
Channel General Rating			7						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	ments	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) (%)		55.6/55.	.6 Sufficiency Rating (Las (%)	st/Now)	66.2/65.4	Est. Repl. Yr	2027 Maint. I		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 Ga		Roberts		Previous	Previous Assistant's Name							
Next Inspection Date 2		25-Sep-2015			Previous Inspection Date 15-Jun-2009							
Inspection Cycle (Default) (months) 39												
Comment												