Bridge Culvert Inspection														
Bridge File Number 76456 -1		3 -1 Bridge Culvert				Form Type			CUL1					
Year Built 1966						Lot No.			4					
Bridge or Town I	Name LUI	NDBR	BRECK				Inspector Name			Garry Roberts				
Located Over	TRI 2.12	BUTA 2.37.2	RY TO CRO	NSNEST S-ST	RIVE	٦,	Inspector Class			BR CLS A				
Located On	3:04	4 C1 1	4.211				Assistant Name							
Water Body CI./	Year							ion Date		29-Nov-2011				
Navigabil. Cl./Year					Data Entry By			Alvssa Boynton						
Legal Land Loca	ation SW	SEC	30 TWP 7 RGE 1 W5M					ntry Date	•	09-Jan-2012				
Longitude, Latitude -114:07:4		40, 49:35:07					Reviewer Name		Tom Carey					
Road Authority Alberta		erta T	Transportation (AIT)					Date		08-Dec-2011				
Contract Main. Area CMA26		A26	3					Dept. Reviewer Name		Tim Davies				
Clear Roadway/Skew 13 / 8 de		/ 8 deg	deg. (RHF)					Dept. Review Date		10-Jan-2012				
AAD1/Year	3,6,	30 / 20	2010 (A)					Follow-Up By						
Road Classificat		0-209	-110											
Bridge Culvert	Detour Length (km) 3													
Bridge Guivert information Number of Culverts 1														
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	027	2241		SPE		76.8		152X51	3.5	ELLIPSE		
Special Features	S													
Special Features	Special Features Comment													
								- ()						
Litility Attachmer	nte				Ut	inties (L	ocateu	at)						
Telephone	Telephone Cos													
Power						Municipal								
Others	Fibre optic	e optics @ S R/W					Probler	Problem (Y/N) No						
Remarks														
				A	pproa	ch Road	l / Emba	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment			7	7	Gradua	Gradual curve and nill to the east. Passing allowed.								
Vertical Alignment			1		7	7	W of B	F 76457						
Roadway Width (m)			13.000											
Embankment			1		7	7								
Sideslope (:	1)		2.5											
(Height of Cov	er(m) : 11)		1		1									
Guardrail (Y/N)			Yes											
Approach Road	l / Embank	ment	General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion				
Direction			S		South end.									
End Treatment (Concrete, Steel, NONE Others, None)														
Headwall					X	X								
Collar				X	Х									
Wingwalls					X	X								
(Shape :)					1									
Cutoff Wall					X	X								

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	Upstream End							
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		X	X					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm) 300								
Scour Protection			7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 400)			1					
Scour/Erosion			7					
Beavers (Y/N) No			<u> </u>					
Upstream End General Rating			7					
			dae Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2027	, Rise (mm): 2241, Type: SPE)				
Barrel Last Accessible Date	29-Nov-2011		,					
Special Features								
Special Feature								
(Type :)								
Special Feature								
(Туре :)			-					
Roof		6	6	Minor damage at roof at u/s end.				
Measured Rise (mm)	2166							
Measured At Ring No.	11							
Sag (mm)	75							
Percent Sag	3							
Sidewall		7	7					
Measured Span (mm)	2070							
Measured At Ring No.	11							
Deflection (mm)	43							
Percent Deflection	2							
Floor		6	6	Several large rocks throughout barrel				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	Yes							
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	0							
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N) No								
Coating		5	5	Minor superficial corrosion on floor.				
Corrosion By Soil (Y/N)	Yes			Alkali staining at upper seams of end rings both ends				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Bric	dge Cu	vert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa		i <mark>n (mm</mark>): 2027	, Rise (mm): 2241, Type: SPE)						
Fish Passage Adequacy		5	5							
Baffle			Х							
(Type:)										
Waterway Adequacy		5 5		Has flowed full.						
Icing (Y/N)	Icing (Y/N) No			See HWM notes.						
Silting (Y/N)	Yes			Up to 400 mm rock @ some areas-cl II.						
Drift (Y/N) No										
Barrel General Rating			6							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	1	N		North end.						
End Treatment (Concrete, Steel, Others, None)	STEEL		1							
Headwall		X	X							
Collar			X							
Wingwalls			Х							
(Shape:)		N	N N							
Cutoff Wall			X							
Bevel End	1	7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	300		1							
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 450)			1							
Scour/Erosion			7							
Beavers (Y/N)	No									
Downstream End General Ration	ng	7	7							
		S	structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)		1	1							
Alignment			7							
Bank Stability		6	6							
HWM (m below Top of Culvert) 2.1				(Pipe has flowed full with 2.1 m head						
Drift (Y/N) No				- 920811). No Visible HWM.						
Channel Bottom Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			7							

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comn	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/No (%)	ow)	66.7/66.	7 Sufficiency Rating (Last/No (%)	ow) 6	52.6/62.6 Est. Repl. Yr 2024		2024	Maint. Reqd. (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 Garry		Roberts	F	Previous A	us Assistant's Name						
Next Inspection Date 29-A		29-Aug-2013 F			Previous Inspection Date 18-May-2010						
Inspection Cycle (Default) (months) 21											
Comment											