Bridge Culvert Inspection														
Bridge File Number 73746 -1			16 -1 Bridge Culvert				Form Type			CUL1				
Year Built 1968			3				Lot No.			4				
Bridge or Town Name BARRHEAD				D			Inspector Name			Melanie Johnson				
Located Over TRIBUTAR			JTARY TO PADDLE RIVER,				Inspec	Inspector Class BR CLS B						
0.11.04.30			1 28 802				Assistant Name							
Water Body CL/	1 20.002				Assistant Class									
Navigabil CL/Ve	ar							tion Date		24-Aug-2011				
Legal Land Location SW/ SEC 1								Data Entry By Theresa Lacusta						
Longitude Latitude -114:26:50			·53 54:07:23					ntry Date		13-Sep-2011				
Road Authority Alberta Tr			Transportation (AIT)					er Name		Eric Carcoux				
Contract Main. Area CMA10								/ Date		07-Sep-2011				
Clear Roadway/Skew 89/0 de		lea.				Dept. Reviewer Name			Brent Herrick					
		2010 (A)					Dept. Review Date		15-Sep-2011					
Road Classificat	tion R	AU-209	209-110					Ор Ву						
Detour Length (k	(m) 25	5												
Bridge Culvert	Informat	ion					1							
Number of Culve	erts	1												
Pipe # E	Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	972	2007		RPP		21.9		152X51	3.5	PIPE ARCH		
Special Features				·										
Special Features Comment														
								4						
Utilities (Located at)														
Talanhana South r/w														
Dowor	2 lines N	1 I/W.				oot	Municipal							
Others	Eibro optics North r/w					ະວເ.	Problem (Y/N) No							
Remarks								II (1/IN)	INU					
Remains	Approach Poad / Embankmont													
					Last	Now	Explanation of Condition							
Horizontal Alignment				7	7	Intersection to West.								
Vertical Alignment					6	6	Within	a long sag	g curve	Э.				
U U														
			-											
Roadway Width	(m)		8.900											
Embankment						7	2:1 North embankment, 2.5:1 South embankment.							
Sideslope (:1) 2.0			2.0											
(Height of Cover(m) : 1.7)														
Guardrail (Y/N)		No												
Approach Road / Embankment General Rating		ing	6	6										
Upstream End														
Culvert Component			Last	Now	Explan	ation of (Condi	tion						
Direction					N									
End Treatment (Concrete, Steel, Others, None)		STEEL												
Headwall					Х	Х								
Collar					Х	Х								

Alberta Transportation

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Wingwalls			X							
(Shape :)										
Cutoff Wall			X							
Bevel End			6							
Heaving (mm)	200									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		5	5							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)										
Scour/Erosion			5							
Beavers (Y/N)	No									
Upstream End General Rating	<u> </u>	5	5							
		Brie	dae Cul	vert Barrol						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1. Primary Span, Locat	tion Code: MAIN. Spa	n (mm): 2972	Rise (mm): 2007. Type: RPP)						
Barrel Last Accessible Date	05-Nov-2009		<u>,</u>	Water 0.9m deep - pipe viewed from end, shape and condition						
Barrol Last / tooocolbio Bato				appear adequate.						
Special Features										
Special Feature										
Special Feature										
Roof		6	6							
Measured Rise (mm)	1905	0	0							
Measured At Ping No	1905									
	102									
Bercent Sag	5									
Sidewall	5	7	7							
Massured Span (mm)	2020	1	1							
Measured Span (mm)	3020									
Deflection (mm)	4									
Deflection (IIIII)	2									
	2	N	N	Silt and water covered						
Pulse (mm)	0	IN	IN							
Buige (mm)										
	Na									
Abrasion (Y/N) No										
Circumferential Seams		1	N							
Separation (mm) 0										
Longitudinal Seams		7	N							
I otal 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										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

73746 -1 Bridge Culvert

		Brid	lge Cul	vert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	<u>n (mm</u>): 2972	, Rise (mm): 2007, Type: RPP)				
Coating		6 6		Minor superficial up to 4/5 of pipe. Minor leakage through sidewall bolt holes.				
Corrosion By Soil (Y/N)	Yes							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG			Slight negative.				
Ponding (Y/N)	No							
Fish Passage Adequacy		7	7					
Baffle		Х	X					
(Type:)								
Waterway Adequacy		5	5	(Culvert regularly flows full13-Mar-08)				
lcing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating	100	6	N	GR was 6 from 05-Nov-2009				
		 ח	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S	1101					
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall	1	Х	X					
Collar		Х	Х					
Wingwalls			Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End	1	6	6					
Heaving (mm)	150							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200		1					
Scour Protection		5	4					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)			1					
Scour/Erosion		5	4	5mWx10mLx1mD scour hole @ outlet				
Beavers (Y/N)	No							
Downstream End General Rating			4					
		S	tructur	e Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)			1					
Alignment			7					
Bank Stability			7					
HWM (m below Top of Culvert)				(Pipe has flown full13-Mar-08)				
Drift (Y/N)	Yes							
Channel Bottom Degrading/Aggrading								
Beavers (Y/N)	No							

Structure Usage									
	Last	Now	Explanation of Condition						
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)									
Channel General Rating	7	7							

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr	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)	66.7/55.	6 Sufficiency Rating (Last/N (%)	low) 🤅	59.3/51.1 Est. Repl. Yr		2020	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 Mela		e Johnso	n	Previous Assistant's Name							
Next Inspection Date 24		/-2013		Previous Inspection Date 05-Nov-2009							
Inspection Cycle (Default) (months) 21											
Comment											