					Bridg	e Culve	ert Insp	ection					
Bridge File Number 70373 -1 Bridge Culvert							Form 7	Гуре		CUL1			
Year Built 1977						Lot No		1					
Bridge or Town I	Name	CHER	HILL				Inspector Name			Melanie Johnson			
Located Over		TRIBU	TARY TO PEM	BINA RIV	ER,		Inspector Class		BR CLS B				
Located On			11.84.39, WATERCRS-ST 64:02 C1 16.531					ant Name					
Water Body Cl./	Vear	704.02	01 10.551					ant Class		07.4 0044			
Navigabil. Cl./Ye										27-Aug-2011			
		SW SE	C 3/1 TW/P 57 F	RGE 5 WA	5M			Data Entry By Theresa Lacusta			sta		
			17 53:58:05				Data Entry Date		12-Sep-2011				
Longitude, Latitude -114:40:17  Road Authority Alberta Tr			Transportation (AIT)				Reviewer Name		Eric Carcoux				
Contract Main. Area CMA12						Review Date		01-Sep-2011					
							Dept. Reviewer Name						
Clear Roadway/Skew 8 / AADT/Year 390 / 201		010 (A)	10 (A)				Dept. Review Date		15-Sep-2011				
Road Classification			RCU-208-110				Follow-Up By						
Detour Length (F		29											
Bridge Culvert										1			
Number of Culve			1										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	1500		MP		22.6		68X13	11	ROUND	
Special Features	 S		VERT STEEL	STRUTS				1		ı			
Special Features	s Comr	ment											
Utility Attachmer	nts				Ut	ilities (L	_ocated	at)					
Telephone	West	r/w.					Gas						
Power			w.				Munici	pal					
Power 2 wires east r/w. Others							m (Y/N)	No					
Remarks	BF tag	g installe	ed @ top of We	st end roc	of.			( ' )					
				Α	pproa	ch Road	d / Emb	ankment					
					Last	Now	Explar	nation of	Condi	tion			
Horizontal Aligni	ment				7	7	From e	entrance t	o North	٦.			
Horizontal Alignment Vertical Alignment				7									
Roadway Width	(m)		8.000										
Embankment					4	5	\\/ido.c	rook (up t	to 25m	m) in conholt o	vor nino. Prod		
Sideslope (:	.1)		4.0		4	<u> </u>	dip/bur		10 23111	iii) iii aspiiaii o	vei pipebiea	aking up creating	
(Height of Cov		1 1	4.0				-						
Guardrail (Y/N)	GI(III) .	1.4)	No										
Approach Road	d / Emb	oankme	nt General Rat	ting	7	7							
						Uracina							
Culvert Compo	nont				Last	Upstre Now	1	nation of	Condi	tion			
Direction	Hent				W	INOW	Ехріаі	iation or	Contai	LIOII			
End Treatment ( Others, None)	Concre	ete, Stee	el, STEEL		VV		_						
Headwall					Х	Х							
Collar					X	X							
Wingwalls					X	X							
(Shape: )													

70373 -1 Bridge Culvert

			Llnotro	em End
Culvert Component		Last		am End
Culvert Component Cutoff Wall		X	Now	Explanation of Condition
Cuton Wan		^	_ ^	
Bevel End		6	6	Rocks washed into bevel floor.
Heaving (mm)	150			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		5	5	Well grassed over.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>150</b> )				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
Culvert Correspond			T	vert Barrel
Culvert Component	tion Code: MAIN Cod		Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		ın (mm	<u>):</u>	, Rise (mm): 1500, Type: MP)
Barrel Last Accessible Date	27-Aug-2011			
Special Features				
Special Feature		7	7	
(Type : VERT STEEL STRUTS)				
Special Feature				
(Type:)				
Roof		2	2	
Measured Rise (mm)	1260		-	3/5 length.
Measured At Ring No.	9			
Sag (mm)	240			
Percent Sag	16			
Sidewall		2	2	
Measured Span (mm)	1775			3/5 length.
Measured At Ring No.	9			3/3 lengur.
Deflection (mm)	275			18.3%
Percent Deflection	18			10.070
Floor		5	5	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		4	4	First seam has infiltration at 4:0009-May-2008
Separation (mm)	230			Under water.
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		3	3	Pitting, scaling, rust lower 1/2.
Corrosion By Soil (Y/N)	Yes			, · ··································
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

70373 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1500, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	Pipe above D/S end.
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	G.R. increased 2 points due to struts.
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction	1	E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		6	6	
Heaving (mm)	75			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100		1	
Scour Protection		5	5	Well grassed over.
(Type: RIP RAP)				
(Avg. Rock Size(mm) : <b>200</b> )			<u>-</u>	
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	5	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)			T -	
Alignment		6	6	Bend D/S, parallels roadway.
				HWM not visible.
Bank Stability		6	6	
HWM (m below Top of Culvert)				
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	·			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		6	6	

Structure Usage							
		Last	Now	Explanation of Condition			

		Maintena	nce Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department Com	ments	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	2013	Program replacement within roadway upgrades.	years or next						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	ow) 44.4/44	Sufficiency Rating (%)	(Last/Now) 47.2/46.7	Est. Repl. Yr 2013	Maint. Re	qd. (Y/N)	Yes		
Special Continue to minitor sometiments for Next Inspection	shape and infilt cycle and afte	ration and corrosion. r each high water event.	Department Comments						
Maintenance Reviewed By			Date		Estimated Tota	1 0			
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Draviava Inanastaria Nama	Dave Lam		Previous Assistant's Name	us Assistant's Name					
Previous Inspector's Name			D : 1 (; D )	s Inspection Date 09-May-2008					
	27-Nov-2014		Previous inspection Date	109-101ay-2008					
Next Inspection Date	27-Nov-2014 39		Previous Inspection Date	09-мау-2008					