					Bridg	e Culve	ert Insp	ection						
Bridge File Nur	nber	77409	-1 Bridge Culvei	rt	Ĭ					CULM				
Year Built		1970					Lot No			3				
Bridge or Town	Name	YOUNG	GSTOWN				Inspec	tor Name		Jason Saly				
Located Over		TRIBU	TARY TO BLOC	D INDIA	N CRE	EK,	Inspec	tor Class		BR CLS A				
							Assista	ant Name						
		884:10	C1 19.397				Assista	ant Class						
3.9.4, W Located On 884:10 0 Water Body CI./Year Navigabil. CI./Year Legal Land Location NW SE0 Longitude, Latitude -111:12 Road Authority Alberta Contract Main. Area CMA22 Clear Roadway/Skew 9.5 / -45 AADT/Year 530 / 20 Road Classification RCU-21 Detour Length (km) 10  Bridge Culvert Information Number of Culverts Pipe # Barrel 1 MAIN 2 MAIN Special Features Special Features Comment  Utility Attachments Telephone N side of r/w, a Power E-W r/w.							Inspec	pection Date 23-Nov-2010						
		11110	O 40 TIME 00 F				Data E	ntry By		Marcia Chave:	Z			
Pear Built Bridge or Town Name Located Over TRIBUT 3.9.4, V Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Bridge Culvert Information Number of Culverts Pipe # Barrel MAIN MAIN MAIN MAIN MAIN Special Features Special Features Comment  Utility Attachments Telephone N side of r/w, Power E-W r/w. Others Farmer's elect Remarks Culverts cross intersection. F  Horizontal Alignment Vertical Alignment Vertical Alignment Roadway Width (m)  Embankment Sideslope (:1)				Data E	Data Entry Date 07-Jan-2011									
	·					Reviev	ver Name	<b>:</b>	John O'Brien					
							Reviev	v Date		11-Dec-2010				
							Dept. F	Reviewer	Name	Chris Black				
	//Skew						Dept. F	Review Da	ate	11-Jan-2011				
			. ,				Follow	-Up By						
			10-110											
		lation	2											
			Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		2490	1753		RPP		38.4		152X51	1	PIPE ARCH		
			-							102/101				
			VERT TIMBER		 3			10011		·		, , , , , , , , , , , , , , , , , , , ,		
2 MAIN - 120 Special Features VERT TIMBER ST Special Features Comment  Utility Attachments Telephone N side of r/w, and W ditch. Power E-W r/w.														
·	1970													
					Uti	lities (L	ocated	at)						
									1					
·			and W ditch.						50m \	N				
									.,					
				ough pipe	€.		Proble	m (Y/N)	Yes					
Remarks	TRIBLITARY TO BLOOD INDIAN CREEK,   Assistant Name   As													
					T					tion				
Horizontal Align	nment		6 6 Pipe goes under intersection.											
Vertical Alignm	ent				7	7								
Roadway Width	n (m)		9.500											
Embankment					7	N	Snow	covered.						
Sideslope (	_:1)		3.0											
(Height of Co	ver(m)	: <b>0.5</b> )	·											
Guardrail (Y/N)			No											
Approach Roa	d / Em	bankme	nt General Rat	ing	6	6								
						Upstre	am End							
Culvert Component Last						Now	Explar	nation of	Condi	tion				
(Pipe # : 1, Sp														
Direction					W									
End Treatment Others, None)	(Concr	ete, Stee	el, STEEL											
Headwall					Х	X								
Collar					Х	X								

			Unetre	eam End				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Span Type: Primary	v Snan)	Last	11011	Explanation of Condition				
Wingwalls	y Opani,	X	Х					
(Shape: )								
Cutoff Wall		X	X					
Cuton vvan								
Bevel End		6	6	Short bevel. 1.83 m extension put on in 1991.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	250							
Scour Protection		6	N					
(Type:)								
(Avg. Rock Size(mm):)								
Scour/Erosion		6	N					
	-							
Beavers (Y/N)	No							
Upstream End General Rating		6	6					
		Dei	dero Cu	Nort Parel				
Culvert Component			T	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Codo: MAIN Sn			-				
		an (IIIII	i). 2490	, kise (iiiii). 1755, Type. KFF)				
Barrel Last Accessible Date	23-Nov-2010							
Special Features								
Special Feature			7	Struts 150x200mm have been installed. Struts at 1.15m on centre.				
(Type: VERT TIMBER STRUTS	)							
Special Feature								
(Type:)								
Roof		5	5	Measurement taken next to struts. Rise measured at R1=1674 -				
Measured Rise (mm)	1656			79mm; R5=1656 - 97mm=5.5%				
Measured At Ring No.	5							
Sag (mm)	97							
Percent Sag	6							
Sidewall		7	6	2-6N crown plates, 1-5N plate per				
Measured Span (mm)	2558			corner, & 1-6N bottom plate. Span measured at R2=2544 - 54mm; R3=2558 - 68mm=2.7%;				
Measured At Ring No.	3			R5=2548 - 58mm; R7=2524 - 34mm.				
Deflection (mm)	68							
Percent Deflection	3							
Floor		5	N	Ice.				
Bulge (mm)	0			1				
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)	0			-				
Longitudinal Seams		4	4	Roof seam not nested				
Total No. of Cracked Rings	0	7		properly with gaps up to 25mm				
Total No. of Rings with Two Cracked Seams	0			full length.				
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							

		Bric	lge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 2490	, Rise (mm): 1753, Type: RPP)
Coating		5	5	Superficial rust and alkali.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	X	
(Shape: )				
Cutoff Wall		X	X	
Bevel End		5	5	Minor tear & bent-no major problem.
Heaving (mm)	0			1.83 m extention put on in 1991.
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	175			
Scour Protection		6	N	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		6	N	
Beavers (Y/N)	No			
Downstream End General Rating		5	5	
			Upstre	am End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			•
Direction		W		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	Х	
Collar		Х	Х	

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Wingwalls		Х	X	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	N	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Upstream End General Rating		N	N	
		Brid	dae Cu	Ilvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S			, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date				1200mm MP Not found
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				1
Longitudinal Seams		N	N	
Total No. of Cracked Rings				1
				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

		Brid	dge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)
Coating		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		N	N	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	
		D	ownstr	eam End
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		X	X	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		N	N	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	N	N	
		S	tructur	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				No visible HWM
Drift (Y/N)	No			

Structure Usage										
Last Now Explanation of Condition										
Channel Bottom Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7							

					Maint	tenance Re	commend	ations						
Inspector Recomm		Year	Inspecto	r Comments			Department Co	mmen	its		Target Year	Est. Cost	Cat #	
SHOTCRETE REF	PAIRS													
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT	ACCUMULATION													
INSTALL CONCRI	ETE/STEEL LINING	i												
INSTALL STRUTS	5													
INSTALL CONCRI	ETE COLLAR/CUTO	OFF												
REPAIR SEAMS														
OTHER ACTION			2011	Have far pipe.	mer remove elec	ctrified wire f	rom inside							
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			44.4/44.	Sufficiency Rating (Last/l			ow)	58.5/58.5	Es	t. Repl. Yr	2024	Maint. R	eqd. (Y/N)	Yes
Special Comments for Next Inspection	ot found	near site	e, non-exi	stant. Change fro	om ID to CUI	_1	Department Comments							
Maintenance Revi	ewed By							Date			E	Estimated Tot	al 0	
Proposed Long-Te	•												'	
On 3-Year Program	m (Y/N)													
Proposed Action														
Previous Inspector's Name Garry		Garry Roberts Previous					Previous /	Assistant's Name						
Next Inspection Da	ate	23-Feb	23-Feb-2014 Previous						Inspection Date 28-Jan-2009					
Inspection Cycle (I		39												
Comment	, ( - )													