Bridge Culvert Inspection															
Bridge File Number 77142 -1			2 -1 Bridge Culvert				Form Type			CUL1					
Year Built 1970			70				Lot No.			3					
Bridge or Town Name DIDSBU			BURY				Inspector Name			Jason Saly					
Located Over		TRIBU1 3.89.8.6	IBUTARY TO DOGPOUND CREEK, 9.8.6, WATERCRS-ST					or Class		BR CLS A					
Located On		766:04	:04 C1 27.401					nt Name							
Water Body CI./Year								nt Class							
Navigabil CL/Year							Inspection Date			15-Feb-2012					
Legal Land Location NW SEC			C 12 TWP 31 RGF 3 W5M							Marcia Chavez					
Longitude Latitude -114-18		:32. 51:38:48			Data Entry Date			08-Mar-2012							
Road Authority Albe		Alberta	Transportation			Reviewer Name			John O'Brien						
Contract Main, Area CMA		CMA28			Review Date			29-Feb-2012							
Clear Roadway	/Skew	8.5 /			Dept. Reviewer Name			Andrew Smikles							
AADT/Year		280 / 20	280 / 2010 (A)				Dept. Review Date		09-Mar-2012						
Road Classifica	ation	RLU-20	9G-90				Follow-Up By								
Detour Length	(km)	3					-								
Bridge Culvert Information															
Number of Culverts 1															
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		2610	2877		SPE		23.8		152X51	2.8	ELLIPSE			
Special Feature	Special Features											·			
Special Feature	es Comr	ment													
					Uti	lities (L	ocated.	at)							
Utility Attachments															
Dewer							Gas		Closs						
Othoro	ТОП	E I/w.						Problem (Y/N) No							
Pomarks							FIODIEI	II (1/IN)							
Remarks				Δ	nnroad	ch Road	l / Emb	ankment							
								Explanation of Condition							
Horizontal Alignment				8	8	No passing NB due to shallow crest to North.									
Vertical Alignment					7	7									
Roadway Width (m)			8.500	8.500			ACP cr	ack over	pipe.						
Embankment						7	Steep embankment.								
Sideslope (	:1)		2.0												
(Height of Co	 ver(m) :	1.4)													
Guardrail (Y/N)		,	No												
Approach Roa	d / Emb	bankme	nt General Ra	ting	7	7									
						Unstre	am End								
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion					
Direction				E	1										
End Treatment (Concrete, Steel, STEEL Others, None)															
Headwall				X	X										
Collar					X	Х									
Wingwalls						Х									
(Shape: )					1										
Cutoff Wall						Х									
							1								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	6							
Heaving (mm)	100									
Invert Above/Below Stream Bed										
Above/Below (mm)	0		1							
Scour Protection		5	N	(Natural and pitrun, gravel. 30Sep2009) - Snow covered.						
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 150)			-							
Scour/Erosion		5	N							
Beavers (Y/N)	No									
Upstream End General Rating		5	5	Based on scour rating from 30Sep2009.						
		Bric	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 2610	), Rise (mm): 2877, Type: SPE)						
Barrel Last Accessible Date	15-Feb-2012									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		4	4	Rise at R1=2865=12mm						
Measured Rise (mm)	2651			Rise at R3=2651=226mm=7.9%						
Measured At Ring No	3			-						
Sag (mm)	226									
Percent Sag	8			_ 7.9%						
			4	Span at R1-2625-15mm						
Measured Span (mm)	2816		-	Span at R3=2816=206mm=7.9%						
Measured At Ring No	3			Span at R5=2640=30mm						
Deflection (mm)	211			-						
Percent Deflection	8			_ 7.9%						
Floor	0	4	4	(Flaar gradkad @ 1 halt @ jaint hatwaan 2nd & 2rd gastians @						
Rulao (mm)	25	4	4	circumferential seam. 30Sep2009).						
Measured At Ring No.	20			Rating carried forward due to previous inspector's comments.						
Abrasion (V/NI)	No			-						
	NU	4	4	Leasting of 25mm floor bulge @ erected circumferential accord						
	0	4	4	Localized zomm libor bulge e cracked circumferential seam.						
	U	_	-							
Longitudinal Seams		5	5	cricumferential seam. 01/Mar/2006) Unable to verifv due to						
Total No. of Cracked Rings Total No. of Rings with Two				- rusting/corrosion through bolt holes.						
Min. Remaining Steel										
Proper Lap (V/N)	No			-						
Longitudinal Stagger (V/N)	No			-						
		E	E	Some rulet & correction around the belts on lower joints, not actions						
	Voo	5	5	Some rust a corrosion around the bolts on lower joints, not serious.						
	Vee			-						
	res									
Camber POS/ZERO/NEG	NEG			Minor superficial corrosion.						
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 2610, Rise (mm): 2877, Type: SPE)										
Fish Passage Adequacy		X	Х	Outlet end 600mm above streambed.						
Baffle		X	Х							
(Туре : )										
Waterway Adequacy		5	5							
Icing (Y/N) No										
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating		4	4							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	·	W								
End Treatment (Concrete, Steel, STEEL Others, None)										
Headwall	Headwall									
Collar		X	Х							
Wingwalls		Х	Х							
(Shape : )										
Cutoff Wall		X	X							
Bevel End		5	5							
Heaving (mm)	100									
Invert Above/Below Stream Bed ABOVE				Bevel undermined 0.6m.						
Above/Below (mm)	600									
Scour Protection		3	3	(1m drop to scour hole off bevel. Some rock @ scour hole.						
(Type : <b>NONE</b> )				30Sep2009).						
(Avg. Rock Size(mm) : )										
Scour/Erosion		3	3	Scour at D/S end 15m x 22m. Under invert and around sidelope.						
Beavers (Y/N)	eavers (Y/N) No			2 logs @ outlet.						
Downstream End General Ratin	ng	3	3							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7							
Bank Stability		7	7							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No										
Channel Bottom DEGRADING Degrading/Aggrading				(D/S end. 30Sep2009).						
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7							

Maintenance Recommendations												
Inspector Recommendations		ar	Inspector Comments		Department Corr	nments	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP	201	2	30m3 Class I D/S end.									
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		4/44.4	Sufficiency Rating (Last/Now) (%)		50.6/50.5 Est. Re		Repl. Yr	epl. Yr 2030		Maint. Reqd. (Y/N)		
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By					Date	Estimated Total 0						
Proposed Long-Term Strategy	good unti	ntil 2030.										
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Dave Lam	Pave Lam F			evious Assistant's Name							
Next Inspection Date	15-May-2015			revious l	nspection Date		30-Sep-2009					
Inspection Cycle (Default) (months) 39												
Comment												