					Daide		ort loon	otion					
Bridge File Nu	mher	75022 4	Bridge Culur	art	Bridg	e cuive	Eorm T		CUL1				
	Bridge File Number 75022 -1 Bridge Culvert					Form Type							
Year Built 1991						Lot No.		4 Deies Diestaal					
Bridge or Town Name WHITEMUD CRE				704		Inspector Name		Brian Pientsch					
Located Over WABATANISK CREEK, 8.10.58. WATERCRS-ST				-		Inspector Class Assistant Name		BR CLS A Lisbeth Medina					
Located On 676:04 C1 17.094					j		Assistant Class						
Water Body Cl.							Inspection Date		02-Feb-2011	02-Feb-2011			
Navigabil. Cl./Year							Data Entry By		Theresa Lacusta				
Legal Land Location SW SEC 20 TWP 74 RGE 22 W5					/5M		Data Entry Date		01-Mar-2011				
Longitude, Latitude -117:21:37, 55:25:29							Review	Reviewer Name Arnold Assenheimer					
Road Authority Alberta Transportation (AIT)					Review Date			22-Feb-2011					
Contract Main. Area CMA03					Dept. Reviewer Name			Steve Pasquan					
Clear Roadway	//Skew	9 / 35 de	g. (RHF)					Review Date	15-Nov-2011				
AADT/Year		190 / 201	0 (A)				Follow						
Road Classifica	ation	RCU-209	9-110										
Detour Length	(km)	3											
Bridge Culver	t Inform	ation											
Number of Cul	verts	1						1					
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Dia.) Type		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		6860		SP		91.4	152X51	6.0	ROUND		
Special Feature	es												
Special Feature	es Comr	ment											
					Uti	lities (L	ocated	at)					
Utility Attachme	ents												
Telephone	West	r/w					Gas						
Power	2 wire	OH East	r/w				Munici	bal					
Others							Proble	m (Y/N) No					
Remarks													
				Α	pproad	ch Road		ankment					
					Last	Now	Explanation of Condition						
Horizontal Alig					8	8	In sag - no passing.						
Vertical Alignm	ent				5	5							
Roadway Width (m) 10.		10.000			-								
Embankment					7	6							
Sideslope (	_:1)		3.0										
(Height of Co	over(m) :	<b>3.5</b> )											
Guardrail (Y/N) No													
Guardrail (Y/N)	)		No										
Guardrail (Y/N) Approach Roa		pankment		ting	5	5							
		pankment		ting			am End						
	ad / Emb	pankment		ting				ation of Cond	ition				
Approach Roa	ad / Emb	pankment		ting		Upstre			ition				
Approach Roa Culvert Comp	ad / Emb onent		t General Ra		Last	Upstre			ition				
Approach Roa Culvert Comp Direction End Treatment	ad / Emb onent		t General Ra		Last	Upstre			ition				
Approach Roa Culvert Comp Direction End Treatment Others, None)	ad / Emb onent		t General Ra		Last W	Upstre Now		ation of Cond	ition				
Approach Roa Culvert Comp Direction End Treatment Others, None) Headwall	ad / Emb onent		t General Ra		Last W	Upstre Now	Explan	ation of Cond	ition				
Approach Roa Culvert Comp Direction End Treatment Others, None) Headwall Collar	ad / Emb onent		t General Ra		Last W 7 7	Upstre Now	Explan	ation of Cond	ition				

Alberta Transportation

	Upstream End							
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm) 300			1					
Scour Protection		7	7					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : 500)			1					
Scour/Erosion		7	7					
Beavers (Y/N)	No		1					
Upstream End General Rating	<u> </u>	7	7					
		Bric	dae Cui	lvert Barrel				
Culvert Component		Last		Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 6860, Type: SP)				
Barrel Last Accessible Date	02-Feb-2011		/	Too wide/tall to measure. Shape looks good.				
Special Features								
Special Feature								
(Type : )			1					
Special Feature								
(Туре : )								
Roof		7	7	(1/2 7043, 1/2 7110mm, 7095 (2.7%				
Measured Rise (mm)				inward - 2004/09/16)				
Measured At Ring No.				Measurements not taken due to ice on floor.				
Sag (mm)	0							
Percent Sag								
Sidewall		7	7					
Measured Span (mm)								
Measured At Ring No.								
Deflection (mm)	0							
Percent Deflection								
Floor		7	N	Under ice.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)								
Longitudinal Seams			7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N) Yes								
Longitudinal Stagger (Y/N) Yes				1N stagger				
Coating		4	N	Pitting 1.5m wide strip of floor23-Oct-2007				
Corrosion By Soil (Y/N)	No	-	IN	Under ice				
Corrosion By Water (Y/N)	Yes			Superficial rust above ice level.				
Camber POS/ZERO/NEG	POS							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

75022 -1 Bridge Culvert

		Brid	d <u>ge Cu</u>	Ivert Barrel			
Culvert Component		Last	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp			, Rise (mm): 6860, Type: SP)			
Ponding (Y/N)	No						
Fish Passage Adequacy			4	Outlet above S.B23-Oct-2007 Snoe cover			
Baffle			X				
(Туре : )							
Waterway Adequacy		8	8				
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		7	7				
		D	ownst	ream End			
Culvert Component		Last	Now	Explanation of Condition			
Direction		E					
End Treatment (Concrete, Steel, Others, None)	CONCRETE						
Headwall		7	7				
Collar		7	7				
Wingwalls		X	X				
(Shape : )			~	-			
Cutoff Wall		N	N				
Bevel End		8	8	Rate based on 60% visibility.			
Heaving (mm)	0			,			
Invert Above/Below Stream Bed ABOVE				Snow cover			
Above/Below (mm)	150						
Scour Protection		4	N	Concrete missing 8m D/S south bank			
(Type : CONCRETE)				2m x 1.5m23-Oct-2007 Gabions underneath and riprap23-Oct-2007			
(Avg. Rock Size(mm) : )				Snow cover			
Scour/Erosion		6	N				
Beavers (Y/N)	No		_				
Downstream End General Rati	ng	6	4	GR carried fwd.			
		S	Structu	re Usage			
		Last	Now	Explanation of Condition			
Channel (U/S and D/S)							
Alignment			6				
Bank Stability		5	5				
HWM (m below Top of Culvert)				HWM not visible			
Drift (Y/N)	Yes			Log across inlet.			
Channel Bottom Degrading/Aggrading	DEGRADING						
Beavers (Y/N)	Yes						
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						

Structure Usage								
	Last	Now	Explanation of Condition					
Channel General Rating	5	5						

			Maintenance Re	commend	ations					
Inspector Recommendations		Year	Inspector Comments		Department Comments				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										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		77.8/77.8	8 Sufficiency Rating (Last/N (%)	low) 7	71.1/70.4	Est. Repl. Yr 2036		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	Eric Ca	arcoux		Previous /	ous Assistant's Name					
Next Inspection Date	02-May	/-2014		Previous I	us Inspection Date 23-Oct-2007					
	39									
Comment										