					Brida	e Culve	ert Insp	ection						
Bridge File Number 76004 S-1 Bridge Culvert					Billag	o ourr	Ilvert Inspection Form Type			CUL1				
Year Built 1982			- Dridge ear				Lot No.			4				
Bridge or Town	n Name		- //CMURRAY					tor Name		Wade Nanninga				
Located Over	- Haino		Y CK, 8.11.3	913 WA	TERC	RS-ST	Inspector Class			BR CLS A				
Located On		63:10 L1		0				int Name						
Water Body Cl	/Year	00.10 21	00.001		Assistant Class									
Navigabil. Cl./			Inspection Date			16-Nov-2011								
			23 TWP 87 F		Data Entry By			Theresa Lacusta						
							ntry Date		23-Nov-2011					
								er Name		Eric Carcoux				
		CMA07						/ Date		23-Nov-2011				
		13.3 / 45						Reviewer	Name	Brent Herrick				
			00 / 2010 (A)					Dept. Review Date		15-Dec-2011				
Road Classific	ation	RAD-412	. ,				· · ·	Follow-Up By						
Detour Length		1												
Bridge Culver		-								1				
Number of Cul		1												
Pipe #	Barrel	S	ipan	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	905	3203		SPE		67.1		152X51	3.0	ELLIPSE		
Special Featur	es									·	·			
Special Featur	es Comr	ment												
					Ut	ilities (l	_ocated	at)						
Utility Attachm									1					
Telephone		& West r/w					Gas							
Power	3 wire	e OH at 35m East.						Municipal						
Others				Proble	m (Y/N)	No								
Remarks														
				A				ankment						
					Now	Explanation of Condition At end of horiz, curve,								
Horizontal Alignment Vertical Alignment					7	7								
			40.000		8	8								
Roadway Widt	:n (m)		13.300											
Embankment					7	7								
Sideslope (_	_:1)		2.0											
(Height of Co	over(m) :	<b>3.9</b> )												
Guardrail (Y/N	)		No											
Approach Roa	ad / Emb	pankment	General Rat	ing	7	7	<u> </u>							
						Unstre	am End							
Culvert Comp	onent				Last			ation of	Condi	tion				
Direction					W									
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall					Х	X								
Collar			5	5	Partly	settled.								
Wingwalls					X	X								
(Shape :	)													
Cutoff Wall					N	N								

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		N	N	Under water/ice.						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	1000		-							
Scour Protection		7	7							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion		7	7							
Beavers (Y/N) No										
Upstream End General Rating		5	5							
Culvert Commence		1		vert Barrel						
Culvert Component (Pipe # : 1, Primary Span, Locat	tion Codo: MAINL Sec			Explanation of Condition						
	-	in (mm	j: 2905							
Barrel Last Accessible Date	16-Nov-2010			Barrel 2/3 full of ice.						
Special Features										
Special Feature										
(Type : )										
Special Feature										
(Туре : )										
Roof		5	N							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag	6			Est 6 %						
Sidewall		N	N							
Measured Span (mm)	3090									
Measured At Ring No.	8									
Deflection (mm)	185			(6.4%. 10/Dec/2004)						
Percent Deflection	6									
Floor		N	N	1ce 2m deep						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		6	6							
Separation (mm)	0									
Longitudinal Seams		6	6							
Total No. of Cracked Rings	0			Only 1/3 visible						
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	No			-						
Longitudinal Stagger (Y/N) No			_							
Coating		6	6	Minor superficial rust at ice level.						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

76004 S-1 Bridge Culvert

		Brid	lge Cu	Ivert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm								
Fish Passage Adequacy		8	8							
Baffle		N	N							
(Type : )										
Waterway Adequacy		6	6							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		N	N	(Previous G.R. was "5" since 10/Dec/2004.)						
Ç										
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction	OTEE	E		-						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall	I	X	X							
Collar		X	X							
Wingwalls			Х							
(Shape : )										
Cutoff Wall			Х							
Bevel End		Х	N	Under water/ice.						
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm)	800									
Scour Protection		6	6							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : <b>400</b> )										
Scour/Erosion		6	6							
Beavers (Y/N)	No									
Downstream End General Ratir	ng	6	6							
		s	tructu	re Usage						
		1	1	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7							
Bank Stability			7							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 : NONE)										
Channel General Rating			7							

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments	D	epartment Comm		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												
OTHER ACTION												
OTHER ACTION										_		
OTHER ACTION												
Structural Condition Rating (Last/No. (%)	ow)	55.6/55.0	6 Sufficiency Rating (Last/Now) (%)	) 57.8	8/58.0	Est. Repl. Yr 2027		Maint. Reqd. (Y/N)		No		
Special Comments for Next Inspection	DC	Department Comments										
Maintenance Reviewed By				D	Date		E	Estimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Wade I	Nanninga	a Prev	vious Ass	Assistant's Name							
Next Inspection Date 16-		-2013	Prev	vious Ins	Inspection Date 10-Mar-2010							
Inspection Cycle (Default) (months) 21												
Comment												