Bridge Culvert Inspection														
Bridge File Number 76003 S-1 Bridge Culvert									CUL1					
Year Built 1982						Lot No.		4						
Bridge or Town Name FT MCML							Inspector Name		Wade Nanninga					
		i					Inspector Class			BR CLS A				
8.11.39.7			39.1.3.2, WATERCRS-ST				Assistant Name							
Located On		63:10 L1	37.802	2			Assistant Class							
Water Body Cl./								Inspection Date		16-Nov-2011				
Navigabil. Cl./Y							Data Entry By		Theresa Lacusta					
Legal Land Loc			26 TWP 87 RGE 9 W4M				Data Entry Date		12-Dec-2011					
						Reviewer Name		Eric Carcoux						
							Review Date		23-Nov-2011					
Contract Main.		CMA07					Dept. Reviewer Name		Brent Herrick					
Clear Roadway	Skew	i	5 deg. (LHF)				Dept. Review Date		15-Dec-2011					
AADT/Year	4 ¹		2010 (A)				Follow-	Uр Ву						
Road Classifica		RAD-412	2.4-120				•							
Detour Length (1												
Bridge Culvert Number of Culv														
	Barrel		Span	Rise (or Di	ia.)	Туре		Length		Corr. Profile	PI./Slab	Shape		
1			005	2202		005		FFF		150754	Thickness	FLUDOF		
	MAIN	2	905	3203		SPE		55.5		152X51	3.0	ELLIPSE		
Special Features Special Features Comment														
Special Feature	s Com	ment												
					Uti	ilities (L	ocated	at)						
Utility Attachme	nts													
Telephone	E row		Gas											
Power	3 wire	es E row					Municip	bal						
Others							n (Y/N)	No						
Remarks														
								ankment		-				
				L	.ast		Explanation of Condition Horizontal curve about 400m North. Crest vertical curve 400m South							
Horizontal Align					7	7	Horizor	ntal curve	about	400m North. C	rest vertical cu	rve 400m South.		
Vertical Alignment				7	7									
Roadway Width	(m)		13.400											
Embankment			8		8	-								
Sideslope (:1)		3.0											
(Height of Cov	ver(m)	: 1.9)												
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	onent			L	.ast			ation of	Condi	tion				
Direction			E											
End Treatment Others, None)	(Concre	ete, Steel,	CONCRETE											
Headwall				Х	Х									
Collar				5	5	Outside collar settled 200mm. NE & SE corners stable conditions.								
Wingwalls				Х	Х									
(Shape :)														
Cutoff Wall				Х	Х									

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Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	7						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	900								
Scour Protection		6	6						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		6	6						
Beavers (Y/N)	No								
Upstream End General Rating			5						
		Drie		livert Perrol					
Culvert Component		Last		Ivert Barrel Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Spa		-						
Barrel Last Accessible Date	10-Mar-2010		<i>j.</i> 2303	Barrel 1/3 full with icetoo thin to enter, viewed from ends, looks ok.					
				Barter //5 fair with idetoo thin to enter, viewed from enus, iooks ok.					
Special Features									
Special Feature									
(Type :)									
Special Feature				_					
(Type:)									
Roof		6	6						
Measured Rise (mm)				_					
Measured At Ring No.									
Sag (mm)				Est 5%.					
Percent Sag	5								
Sidewall		4	N	Not much could be viewed from ends to assign a rating.					
Measured Span (mm)	3130			_					
Measured At Ring No.	10			_					
Deflection (mm)	225			(8% -10-Mar-2010)					
Percent Deflection	8								
Floor		N	N						
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	N						
Separation (mm)	0								
Longitudinal Seams		7	N						
Total No. of Cracked Rings	0								
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 waterline.					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 2905	, Rise (mm): 3203, Type: SPE)
Fish Passage Adequacy			8	
Baffle		N	N	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			4	Gr carried fwd.
Culvert Component		Last	Now	eam End Explanation of Condition
Direction		W	INOW	
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall	<u> </u>	X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)			~	
Cutoff Wall			X	
		X		
Bevel End		7	7	-
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	800		1	
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)			-	
Scour/Erosion		6	6	
Beavers (Y/N)	No		_	
Downstream End General Ration	ng	6	6	
		S	Structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			5	Curves 90 degree from South to West U/S.
Bank Stability			7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom DEGRADING Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating			5	

Maintenance Recommendations											
Inspector Recommendations	Year	Inspector Comments	Department Com	Target Year	Est. Cost	Cat #					
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOF	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Nov (%)	N) 44.4/44	4 Sufficiency Rating (Last/Now (%)	/) 58.5/58.0	Est. Repl. Yr	Repl. Yr 2030		qd. (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	Nade Nanning	a Pre	evious Assistant's Name	s Assistant's Name							
Next Inspection Date 1	16-Aug-2013	Pre	evious Inspection Date	bus Inspection Date 10-Mar-2010							
Inspection Cycle (Default) (months) 2	21										
Comment											