Bridge Culvert Inspection													
Bridge File Number 85120 -1			-1 Bridge Culvert					Form Type		CUL1			
Year Built 2007						Lot No.		4					
Bridge or Town	Name	MILL CF		RT LOCA ⁻	TED U	NDER	Inspect	or Name	1	Wade Nanning	а		
Located Over			RCRS-ST		Inspector Class		BR CLS A						
Located On		CNR AN		к.		•	Assista	nt Name			Nanninga		
Water Body CL	/Year	O rtit / a			Assistant Class								
Navigabil CL/Y	ear				Inspection Date		28-Feb-2013						
Legal Land Loc	ation	NW SEC	33 TWP 51 RGE 23 W/4M					ntry By		Theresa Lacusta			
Longitude, Latitude -113:20:1		:18. 53:27:04					Data Entry Date		13-Mar-2013				
Road Authority AREL		10,00.27.01		Reviewer Name		Eric Carcoux							
Contract Main. Area ANTHON		NY HENDAY D		Dopt Poviouer Nerse		13-Mar-2013							
Clear Roadway/Skew							Dept. Reviewer Name		Eric Carcoux				
AADT/Year	AADT/Year							Dept. Review Date		22-Mar-2013			
Road Classifica	tion						Follow-Up By						
Detour Length ((km)												
Bridge Culvert Information													
Number of Culverts 1													
Pipe #	Barrel	;	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN			2400		СР		34.3			225.0	ROUND	
Special Feature	es										1		
Special Feature	es Comr	ment											
	at a				Uti	ilities (L	_ocated	at)					
Talaphana	ents						Caa						
Telephone						Gas							
Othors	CNLcc	communications cable					Problem (Y/N) No						
Pemarks							FIODIEI	II (171 N)					
Approach Poad / Embankmont													
					Last	Now	Explanation of Condition						
Horizontal Alignment				9	9	Railway track.							
Vertical Alignment				9	9								
Roadway Width (m)													
Embankment					8	8							
Sideslope (:1)		3.0										
(Height of Co	ver(m) :	3.3)					1						
Guardrail (Y/N)			No										
Approach Roa	d / Emł	bankmen	t General Rat	ing	8	9							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion			
Direction					Е								
End Treatment (Concrete, Steel, CONCRETE Others, None)													
Headwall					X	Х							
Collar				X	X								
Wingwalls					Х								
(Shape :)													
Cutoff Wall					X	X							
							1						

Alberta Transportation

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	600		-							
Scour Protection		8	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 500)										
Scour/Erosion			8							
Beavers (Y/N)	No									
Upstream End General Rating			8							
		Bric	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: CP)						
Barrel Last Accessible Date	28-Feb-2013			Ice/Water 1.2m deep. Shape and condition look very good.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		9	8							
Measured Rise (mm)			-							
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall		9	8							
Measured Span (mm)	2435									
Measured At Ring No.	5									
Deflection (mm)	35									
Percent Deflection	2									
Floor		N	N							
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
		N	6	Grout in joints is loose and broken -no problem						
Separation (mm)	20		0							
		Y	Y							
Total No. of Cracked Rings			~							
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel										
Longitudinal Stagger (Y/N)										
		v	V							
		~	^							
Corresion By Mater (V/N)										
Corrosion By water (Y/N)	7500									
Camper POS/ZERO/NEG	ZERU									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: CP)					
Fish Passage Adequacy		5	7						
Baffle		X	Х						
(Туре :)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	8						
		D	ownsti	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		W		-					
End Treatment (Concrete, Steel, Others, None)	CONCRETE		1						
Headwall		Х	X						
Collar		Х	X						
Wingwalls		X	X						
(Shape :)			-						
Cutoff Wall			Х						
Bevel End		8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			_					
Above/Below (mm)	600		1						
Scour Protection		8	8						
(Type : RIP RAP)				_					
(Avg. Rock Size(mm) : 500)									
Scour/Erosion			8						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	8	8						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			6	90 degrees east end. Gentle curve.					
Bank Stability			8						
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)		1						
Channel General Rating		7	6						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/88.9	.9 Sufficiency Rating (Last/N (%)	low) 7	72.3/86.7 Est. Repl. Yr 2080		2080	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 /	Assistant's Name						
Next Inspection Date 28-N		28-Nov-2017			Previous Inspection Date 25-Apr-2011						
Inspection Cycle (Default) (months) 57											
Comment											