Water Body CL/Year ARaigabil CL/Res Inspection Date 15-Jan-2012 Inspection Date 15-Jan-2012 Land Lock Context Explicit All Cases Data Entry Date 01-Mar-2012 Data Entry Date 01-Mar-2012 Longluide, Laitlude Alberta Transportation (AT) Reviewer Name Garry Roberts 24-Jan-2012					Brida	e Culve	ert Insp	ection					
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Clear Roadway/Skev 9.6 /							Dept. F	Reviewer Name					
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I MAIN 2920 3230 SPE 46.3 152X51 2.8,2.8,2.8 ELLIPSE Special Features									1	1			
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Special Features Comment Utilities Located at) Utility Attachments	1 MAIN	J 2	920	3230		SPE		46.3	152X51	2.8,2.8,2.8	ELLIPSE		
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Image: Barbon	Vertical Alignment			6	6								
Sideslope (:1) 3.0 (Height of Cover(m) : 3.6) Guardrail (Y/N) No Approach Road / Embankment General Rating 6 6 Culvert Component Last Now Explanation of Condition Direction E Vest End Treatment (Concrete, Steel, Others, None) STEEL X X Headwall X X X Wingwalls X X X (Shape :) Vest X X	Roadway Width (m)		9.600										
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Guardrail (Y/N) No Image: Constraint of Con	Sideslope (:1)		3.0										
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Upstream End Culvert Component Last Now Explanation of Condition Direction E West End Treatment (Concrete, Steel, Others, None) STEEL V Headwall X X Collar X X Wingwalls X X (Shape :) V X	Guardrail (Y/N)		No										
Culvert ComponentLastNowExplanation of ConditionDirectionEWestEnd Treatment (Concrete, Steel, STEELIIOthers, None)STEELXXHeadwallXXCollarXXWingwallsXX(Shape :)II	Approach Road / E	nbankmen	t General Rat	ing	6	6							
DirectionEWestEnd Treatment (Concrete, Steel, Others, None)STEEL $\circlellllllllllllllllllllllllllllllllll$						Upstre	am End						
End Treatment (Concrete, Steel, STEEL Others, None) Headwall X X Collar X	Culvert Component				Last	Now	Explan	ation of Condi	tion				
Others, None) Headwall X	Direction				E		West						
Collar X X Wingwalls X X (Shape :) Image: Collar Image: Collar	End Treatment (Con Others, None)	crete, Steel,	STEEL										
Wingwalls X X (Shape :)	Headwall				X	X							
(Shape :)	Collar			X	X								
	Wingwalls			X	Х								
Cutoff Wall X X	-												
	Cutoff Wall				X	X							

Alberta Transportation

			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		5	6						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400								
Scour Protection		5	6						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion		5	6						
Beavers (Y/N)	No								
Upstream End General Rating		5	6						
		Brid	d <u>ge Cu</u>	lvert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 2920), Rise (mm): 3230, Type: SPE)					
Barrel Last Accessible Date	15-Jan-2012			2700mm liner; existing SPE not accessible.					
Special Features									
Special Feature									
(Туре:)									
Special Feature]					
(Type :)									
Roof		8	8	Measurements for 2700mm CSP.					
Measured Rise (mm)	2660			No change.					
Measured At Ring No.	2								
Sag (mm)	40								
Percent Sag	1								
Sidewall		3	4	Lined - Unsure why previous rating is 3. D/S section of liner sounds					
Measured Span (mm)	2760			Lined - Unsure why previous rating is 3. D/S section of liner sounds hollow - no grout for three meters completely around pipe.					
Measured At Ring No.	2								
Deflection (mm)	60								
Percent Deflection	2								
Floor		8	8						
Bulge (mm)	0			1					
Measured At Ring No.				1					
Abrasion (Y/N)	No								
Circumferential Seams		8	8						
Separation (mm)	0			1					
Longitudinal Seams		Х	Х						
Total No. of Cracked Rings	0			1					
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0			_					
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	Yes								
Coating		8	8						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	lae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			
Fish Passage Adequacy		X	X	
Baffle			X	
(Туре:)		X		
Waterway Adequacy		8	8	
Icing (Y/N)	No		-	
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating				Existing barrel has been lined
_				
				ream End
Culvert Component		Last	Now	Explanation of Condition
Direction	STEEL	W		East
End Treatment (Concrete, Steel, Others, None)	SIEEL			
Headwall		Х	X	
Collar	Collar		Х	
Wingwalls			Х	
(Shape :)				
Cutoff Wall	Cutoff Wall			
Bevel End		5	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)	400			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Downstream End General Ration	ng	5	5	
		S	tructu	re Usage
				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/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		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/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	w)	88.9/44.	4 Sufficiency Rating (Last/N (%)	ow) 8	31.6/62.5	Est. Repl. Yr 2050		Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection	Department Comments										
Maintenance Reviewed By					Date	Estimated Total 0					
Proposed Long-Term Strategy							· ·				
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Jason Ru			son Rusu Previous A			Assistant's Name					
Next Inspection Date 15-Oct		-2013		Inspection Date 06-Aug-2010							
Inspection Cycle (Default) (months) 21											
Comment											