

Bridge Culvert Inspection			
Bridge File Number	78335 -2 Bridge Culvert	Form Type	CULE
Year Built	2010	Lot No.	4
Bridge or Town Name	LAC LA BICHE	Inspector Name	Wade Nanninga
Located Over	TRIBUTARY TO LAC LA BICHE, 8.11.55.9.8, WATERCRS-ST	Inspector Class	BR CLS B
Located On	663:10 C1 15.765	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	22-Jun-2010
Legal Land Location	SE SEC 21 TWP 67 RGE 12 W4M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-111:45:57, 54:48:27	Data Entry Date	16-Aug-2010
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Arnold Assenheimer
Contract Main. Area	CMA08	Review Date	27-Jul-2010
Clear Roadway/Skew	7 / 27 deg. (RHF)	Dept. Reviewer Name	Brent Herrick
AADT/Year	80 / 2009 (A)	Dept. Review Date	16-Aug-2010
Road Classification		Follow-Up By	
Detour Length (km)	999		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	U/S	-	2000	MP	18	125X26	2.8	ROUND
1	MAIN	-	1829	SSP	50	125X26	12.7	ROUND
1	D/S	-	2000	MP	18	125X26	2.8	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone	South r/w.	Gas	
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road / Embankment

		Last	Now	Explanation of Condition
Horizontal Alignment		4	5	Pipe located near a series of curves rolling alignment with limited sight distances. In bottom of vertical sag.
Vertical Alignment		4	5	
Roadway Width (m)	7.500			
Embankment		5	7	
Sideslope (__:1)	3.0			
(Height of Cover(m) : 8)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating		4	5	

Upstream End

Culvert Component		Last	Now	Explanation of Condition
Direction		N		North.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	X	
Bevel End		7	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	700			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1 , Primary Span, Location Code: U/S , Span (mm): , Rise (mm): 2000 , Type: MP)				
Barrel Last Accessible Date	05-Dec-2009			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7	9	
Measured Rise (mm)	1990			8m from u/s
Measured At Ring No.				
Sag (mm)	10			
Percent Sag				
Sidewall		7	9	
Measured Span (mm)	2000			8m from u/s
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	9	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	9	
Separation (mm)				
Longitudinal Seams		N	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	9	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2000, Type: MP)				
Ponding (Y/N)	Yes			1.0m
Fish Passage Adequacy		5	7	
Baffle		X	X	
(Type :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rating		N	9	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1829, Type: SSP)				
Barrel Last Accessible Date	05-Dec-2009			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7	9	
Measured Rise (mm)	1829			c/l
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7	9	
Measured Span (mm)	1829			c/l
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	9	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	9	
Separation (mm)				
Longitudinal Seams		N	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1829, Type: SSP)				
Ponding (Y/N)	Yes			1.0m
Fish Passage Adequacy		5	7	
Baffle		X	X	
(Type :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	9	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		7	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Rating		7	7	
Structure Usage				
		Last	Now	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	AGGRADING			Beavers backing up water.
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	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/Now) (%)	55.6/100.0	Sufficiency Rating (Last/Now) (%)	58.2/87.0	Est. Repl. Yr	2060	Maint. Req. (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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	22-Sep-2013		Previous Inspection Date	30-Mar-2010			
Inspection Cycle (Default) (months)	39						
Comment							