Bridge Culvert Inspection Bridge File Number 07015 -1 Bridge Culvert Form Type CUL1 Year Built 1999 Lot No. 2						
	2					
Bridge or Town Name HOBBEMA Inspector Name Jason Saly						
Located Over TRIBUTARY TO BATTLE RIVER, 5.52, Inspector Class BR CLS A						
WATERCRS-ST Assistant Name Located On 2A:24 C1 14.314						
Water Body Cl./Year Assistant Class						
Navigabil. Cl./Year Inspection Date 23-Nov-2011						
Data Entry By Marcia Chavez Legal Land Location NE SEC 12 TWP 44 RGE 25 W4M Data Entry Data 24 Data 2014						
Longitude Latitude 112:20:46 52:47:04						
Congridue, Latitude F113.23.40, 32.47.04 Reviewer Name John O'Brien Road Authority Alberta Transportation (AIT) Reviewer Name 15 Dag 2011	John O'Brien					
Contract Main Area CMA17						
Clear Peadway/Skow 12.8 / 20 deg (LHE)						
AADT/Voor 2,080 / 2010 (A)						
Road Classification RAU-211.8-110 Follow-Up By						
Detour Length (km) 15						
Bridge Culvert Information						
Number of Culverts 1						
Pipe # Barrel Span Rise (or Dia.) Type Length Corr. Profile PI./S						
Thick	kness					
1 MAIN 3000 2400 PCB 30	RECTANGLE					
Special Features						
Special Features Comment						
Utilities (Located at)						
Utility Attachments						
Telephone West r/w & East r/w. Gas Crossing 150m North.	Gas Crossing 150m North.					
Power 1 wire crossing 80m North. Municipal	unicipal					
Others 6 wire East approx 15m from c/l, telecommunication. Problem (Y/N) No	No No					
Remarks						
Approach Road / Embankment						
	Explanation of Condition					
Horizontal Alignment 7 7 Intersection 100m North. Accel/decel lanes e	end/start over pipe.					
Vertical Alignment 8 8 Roadway Width (m) 12.800						
Embankment 7 N Snow covered.						
Sideslope (:1) 2.5						
(Height of Cover(m) : 0.7)						
Guardrail (Y/N) Yes						
Approach Road / Embankment General Rating 7 7						
Upstream End						
Culvert Component Last Now Explanation of Condition						
Direction W						
End Treatment (Concrete, Steel, CONCRETE Others, None)						
Headwall X X						
Collar X X						
Wingwalls X X						
(Shape:)						
(Shape:) Cutoff Wall X						

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7	Concrete end, bevel cut.						
Heaving (mm)	0			Not visible.						
nvert Above/Below Stream Bed BELOW				Not visible.						
Above/Below (mm)	Above/Below (mm) 500									
Scour Protection		N	N	Snow covered.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 250)										
Scour/Erosion		N	N							
	1									
Beavers (Y/N)	No									
Unotroom End Conorol Doting		7	7							
Upstream End General Rating		7	7							
		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3000	, Rise (mm): 2400, Type: PCB)						
Barrel Last Accessible Date	23-Nov-2011									
Special Features										
Special Feature				-						
(Type:)			-	-						
Special Feature										
(Туре :)										
Roof		8	8	4 anchor assembly plates bolted through roof for guardrail posts.						
Measured Rise (mm)	2400									
Measured At Ring No.	1									
Sag (mm)	0									
Percent Sag	0									
Sidewall	1-	8	8							
Measured Span (mm)	3000		U							
Measured At Ring No.	1			-						
Deflection (mm)	0									
Percent Deflection	0									
	0	0	N							
Floor		8	N	Ice.						
Bulge (mm)	0			-						
Measured At Ring No.				-						
Abrasion (Y/N)	No									
Circumferential Seams		4	4	Rubber seal broken @ E end of R1 @ bottom @ N. Actively losing fines. 100mm gap outside. Not a problem as it is the end barrel seam						
Separation (mm)	90			with no dirt cover over top. Also @ R8.						
Longitudinal Seams		Х	Х							
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		Х	Х							
Corrosion By Soil (Y/N)	No		-	1						
Corrosion By Water (Y/N)	No			1						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	lvert Barrel		
Culvert Component		1		Explanation of Condition		
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 3000	, Rise (mm): 2400, Type: PCB)		
Fish Passage Adequacy		6	6			
Baffle		X	Х			
(Туре :)						
Waterway Adequacy		8	8			
Icing (Y/N)	No					
Silting (Y/N)	No					
Drift (Y/N)	No					
Barrel General Rating		8	8			
Culvert Component		1	ownstr Now	eam End		
Culvert Component		Last E	NOW	Explanation of Condition		
End Treatment (Concrete, Steel,	CONCRETE					
Others, None)	CONCRETE					
Headwall		X	X			
Collar		X	Х			
Wingwalls		X	Х			
(Shape :)						
Cutoff Wall		X	X			
Bevel End		5	5	Concrete. Slight settlement @ bevel end, circumferential seam 35m		
Heaving (mm)	0			gap @ bottom with 95mm gap @ top.		
Invert Above/Below Stream Bed	BELOW					
Above/Below (mm)	300					
Scour Protection		N	N	Snow covered.		
(Type : RIP RAP)						
(Avg. Rock Size(mm) : 250)						
Scour/Erosion		N	N			
Beavers (Y/N)	No					
Downstream End General Ration	ng	5	5			
		S	Structu	re Usage		
		1	1	Explanation of Condition		
Channel (U/S and D/S)						
Alignment		7	7			
Bank Stability		7	7			
HWM (m below Top of Culvert)	1.0			Flow line on wall.		
Drift (Y/N)	No					
Channel Bottom Degrading/Aggrading	DEGRADING					
Beavers (Y/N)	No					
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 :	NONE)		-			
Channel General Rating		7	7			

Maintenance Recommendations											
Inspector Recommendations	ctor Recommendations Year Inspector Comments			Department Comm	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	2012	Seal circumferential seam	IS.								
OTHER ACTION									_		
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now)88.9/88.9Sufficiency Rating (Last/ (%)			ing (Last/Now) 82	2.0/82.0 E	st. Repl. Yr 2055 Maint. Reqd. (Y/N) Ye			Yes			
Special Comments for Next Inspection Check E bevel for settlement. Measure circ. seam at marks on N side, near roof.				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 Owen Salava Previou			Previous A	Assistant's Name							
Next Inspection Date 23-Aug-2013 Previou			Previous In	Inspection Date 02-Mar-2010							
Inspection Cycle (Default) (months) 21											
Comment											