Bridge Culvert Inspection														
Bridge File Number 75716 -1 Bridge Culvert								· ·		CUL1				
Year Built	mbei	75716 -1 Bridge Culvert 1965				Form Type Lot No.		1						
Bridge or Town Name FT VEF							Inspector Name							
Located Over		TRIBUTARY TO CARIBOU RIVER,					Inspector Name		Brian Pientsch BR CLS A					
Located Over		8.10.21.1	9 10 21 1 WATEDODS ST					Assistant Name		Clem Guenett				
Located On		58:10 C1					Assistant Class		BR CLS B	<u> </u>				
Water Body Cl	./Year						Inspection Date		13-Jun-2012					
Navigabil. Cl./Year							Data Entry By			Theresa Lacus	sta			
		NE SEC	31 TWP 109 F	RGE 12 W5	М		Data Entry Date		10-Feb-2013	Jia				
Longitude, Latitude		-115:59:2	25, 58:30:53				Reviewer Name			Eric Carcoux				
Road Authority		Alberta Transportation (AIT)					Review Date		04-Nov-2012					
		CMA01												
Clear Roadway	y/Skew	11.5 / 0 (deg.				Dept. Reviewer Name Dept. Review Date							
AADT/Year		230 / 201	11 (A)				Follow-Up By			21-Mar-2013				
Road Classific	ation	RAU-210-110					Follow-Op By							
Detour Length	(km)	10	0											
Bridge Culver	t Inform	nation												
Number of Cul	T	1												
Pipe #	Barrel	S	Span	Rise (or Di	a.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN			1524		MP		18.3		68X13	3.5	ROUND		
		-		1324		IVIE		10.3		00/13	3.5	ROUND		
Special Featur Special Featur		mont												
opeciai i eatui	es Com	IIIGIIL												
					Uti	ilities (L	ocated	at)						
Utility Attachm	ents													
Telephone							Gas							
Power 3 wire o/h - South r/w.						Municipal								
Others					Proble			m (Y/N)	No					
Remarks														
								ankment						
				L			Explanation of Condition							
Horizontal Alig					9	9								
Vertical Alignm			T		8	8								
Roadway Widt	h (m)		11.200											
Embankment					6	7								
Sideslope (_	:1)		4.0				1							
(Height of Co	· ·	: 0.7)					-							
Guardrail (Y/N)		/	No											
Approach Roa	ad / Eml	bankmen	t General Rat	ing	8	8								
						Unctre	am End							
Culvert Component Last Now Explanation of Condition														
Direction	JIIJII			N		11011	_Apiai		- O. IGI					
End Treatment Others, None)	t (Concre	ete, Steel,	STEEL		•									
Headwall				Х	Х									
Collar				Х	Х									
Wingwalls				Χ	Х									
(Shape:)						1								
Cutoff Wall				Х	X									

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	N	Covered in water.
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection	, — • •	6	6	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		6	6	
Beavers (Y/N)	Yes			Beaver dam inside barrel-2m from u/s end.
	1.00			Douver dam more parter zim nom dro end.
Upstream End General Rating		6	6	
				Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat		an (mm):	, Rise (mm): 1524, Type: MP)
Barrel Last Accessible Date	06-Aug-2008			1.1m water in pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	N	Sag est. silt on floor.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	37			
Percent Sag	3			
Sidewall		5	N	@ C/L
Measured Span (mm)	1576			
Measured At Ring No.				
Deflection (mm)	52			
Percent Deflection	4			
Floor		N	N	Silt covered.
Bulge (mm)	0	IN	1.4	
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	1110	6	N1	
	30	0	N	
Separation (mm)	JU	-7		Diversed coords
Longitudinal Seams		7	N	Rivetted seams
Total No. of Cracked Rings Total No. of Rings with Two				
Cracked Seams Min. Remaining Steel				
Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	N	SCALING RUST, LOWER 1/3
Corrosion By Soil (Y/N)	Yes			& SOIL, RUST SPOTS IN PIPE FROM SOIL SIDE CORROSION
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

75716 -1 Bridge Culvert

		Bric	ige Cul	Ivert Barrel				
<u> </u>		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Location Code: MAIN, Span):	, Rise (mm): 1524, Type: MP)				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		3	3					
Icing (Y/N)	No			Beaverdam inside barrel-almost				
Silting (Y/N)	Yes			100% blocked.				
Drift (Y/N)	Yes							
Barrel General Rating		5	N					
Darrer General Rating								
Culvert Component			Now	ream End				
Culvert Component Direction		Last S	NOW	Explanation of Condition				
End Treatment (Concrete, Steel, Others, None)	STEEL	3						
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		6	N	Water above bevel.				
Heaving (mm)	75							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	200							
Scour Protection		4	5	Vegetated.				
(Type : NONE)								
(Avg. Rock Size(mm):)								
Scour/Erosion		4	5	Vegetated				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	4	5					
		s	tructur	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			6					
Bank Stability			5	Banks sloughing d/s.				
HWM (m below Top of Culvert)				Hwm not visible.				
Drift (Y/N) Yes								
Channel Bottom Degrading/Aggrading DEGRADING				B/D inside culvert barrel.				
Beavers (Y/N) Yes								
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			6					

		Maintenance Re	ecommendation	S					
Inspector Recommendations	Year	Inspector Comments	Dep	artment Comme	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION	2013	Remove beaverdam inside barrel.							
INSTALL CONCRETE/STEEL LINING)								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION	2013	Unable to access barrel last 2 inspection cycles recommend level 2 inspection bim manual.	ction n as per						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/55	.6 Sufficiency Rating (Last/	Now) 50.5/5	1.3 E	st. Repl. Yr	2017	Maint. Red	ıd. (Y/N)	Yes
Special Comments for Next Inspection Unable to access barrel last 2 inspection cycles recommend level 2 inspection as Department Comments for Next Inspection Unable to access barrel last 2 inspection cycles recommend level 2 inspection as Department Comments									
Maintenance Reviewed By			Date	9		Es	stimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientsch		Previous Assistant's Name Lisbeth M			a			
Next Inspection Date	13-Mar-2014		Previous Inspection Date 06-Aug-2010						
Inspection Cycle (Default) (months)	21								
Comment									