Bridge Culvert Inspection														
Bridge File Number 73652 -1 Bridge Culvert					Billeg	c ourv	Form Type			CUL1				
Year Built		1963		nuge ouvert			Lot No.		4					
Bridge or Town	Name		RHEIM				Inspector Name			Jason Saly				
Located Over			ARY TO BEAVERHILL CREEK,				Inspector Class		BR CLS A					
		6.62.2, \	WATERCRS-S	Т		,	Assistant Name							
Located On		45:04 C	1 2.868				Assistant Class							
Water Body CI./Year								Inspection Date		23-Jan-2013				
Navigabil. Cl./Ye					Data Entry By		Marcia Chavez							
Legal Land Location NW SEC 33 TWP 55 RGE 20 W					V4M		Data Entry Date		28-Feb-2013					
Longitude, Latit	:34, 53:48:00	00			Reviewer Name		John O'Brien							
Road Authority	Transportation	neportation (AIT)					Review Date		13-Feb-2013					
Contract Main. Area CMA14									Chris Black					
Clear Roadway/Skew 11.1 / -45 d			5 deg. (LHF)					Dept. Review Date		14-Mar-2013				
AADT/Year		540 / 20	11 (A)				Follow-Up By							
Road Classifica		RAU-21	1.8-110				. Show op by							
Detour Length (km) 3														
Bridge Culvert		nation												
Number of Culv	erts		1					1						
Pipe #	Barrel		Span	an Rise (or Dia.		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1829		СР		45.1				ROUND		
Special Feature	Special Features													
Special Feature	s Com	ment												
	- 1 -				Uti	llities (L	ocated	at)						
Utility Attachme			4 -1:4 - 1-				0							
Telephone	<u> </u>	ed in Wes					Gas							
Power		e OH 7m West of c/l.					Municipal Street lights along East shoulder. Problem (Y/N) No							
Others "49 Ave" sign West side.							Proble	m (Y/N)	No					
Remarks				Δ		ah Dee	d / Emale	ankment						
				A					Condi	tion				
Horizontal Alignment					6	6	Within town boundary, speed limit 50 km/hr. Residence and business							
Vertical Alignment				6	6	approaches along West side of Hwy 45 ave intersection 20m South.								
Roadway Width (m)			11.100											
Embankment					7	N								
Sideslope (:1)		3.0												
(Height of Cov	,	1.6)												
Guardrail (Y/N)			No											
Approach Road	d / Eml	bankmer	nt General Rat	ina	6	6								
				5										
Culvert Compo	nent				Last	Now	am End	nation of	Condi	tion				
Culvert Component				E		Expia		Jonal						
End Treatment (Concrete, Steel, CONCRETE		-												
Others, None)				_										
Headwall			X	X										
Collar			X	Х										
Wingwalls			X	X	<u> </u>									
(Shape :)														
Cutoff Wall				X	X									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		4	4	Bevelled end separating, gap 165 at bottom, 65 at top.							
Heaving (mm)	200			Bell pulled out of spigot & misaligned 40mm vertically. No adverse effects noted at this time.							
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm) 200											
Scour Protection		5 N		(Abundance of grasses and willows along watercourse. 06Jun2011) -							
(Type : RIP RAP)				Snow covered.							
(Avg. Rock Size(mm) : 300)											
Scour/Erosion		5	N								
	1										
Beavers (Y/N)	No										
Upstream End General Rating		4	4								
opstream End General Kating		4	4								
		Brid	dge Cu	lvert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1829, Type: CP)							
Barrel Last Accessible Date	23-Jan-2013										
Creatial Factures											
Special Features Special Feature											
· ·											
(Type :) Special Feature											
(Type :)											
Roof		5	5	les not managurad							
Measured Rise (mm)		5	5	Ice, not measured.							
Measured At Ring No.											
Sag (mm)	0										
Percent Sag	0										
Sidewall		5	5								
Measured Span (mm)		5	5								
Measured At Ring No.											
Deflection (mm)	0										
Percent Deflection				-							
Floor		N	N	(Silt in W half of pipe. 06Jun2011) - Ice covered.							
Bulge (mm)	0										
Measured At Ring No.				-							
Abrasion (Y/N)	No										
Circumferential Seams			4	4 seams where spigot end has not been properly seated into bell							
Separation (mm)	160	4	7	end.							
				No grout ever installed. D/S seam has a gap.							
				No action required at this time.							
Longitudinal Seams	I	Х	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		Х	X								
Corrosion By Soil (Y/N)											
Corrosion By Water (Y/N)											
Camber POS/ZERO/NEG	ZERO										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component									
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):		, Rise (mm): 1829, Type: CP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		7	7						
Baffle		Х	Х						
(Type :)									
Waterway Adequacy		6	6						
Icing (Y/N)	No			(Upto 200mm silt in the W half of the pipe. 06Jun2011).					
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		5	5						
		D	ownstr	eam End					
Culvert Component			Now	Explanation of Condition					
Direction		W							
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall		Х	X						
Collar		Х	Х						
Wingwalls		X	X						
(Shape :)									
Cutoff Wall		X	Х						
Bevel End		5	5	Minor abrasion.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			-					
Above/Below (mm)	300								
Scour Protection			N	Snow covered.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)		1	1						
Scour/Erosion		5	N	Snow covered.					
Beavers (Y/N)	No								
Downstream End General Ration	ng	5	5						
		s	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S) Alignment			5	Curves U/S and D/S.					
Bank Stability			N	(Well vegetated. 06Jun2011) - Snow covered.					
HWM (m below Top of Culvert)				HWM not visible.					
ift (Y/N) No				1					
Channel Bottom DEGRADING									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			1					
Channel General Rating		5	5						

Maintenance Recommendations												
Inspector 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											_	
	OTHER ACTION											
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			55.6/55.0	6 Sufficiency Ratir (%)	ng (Last/Now)	57.8/57.8	7.8 Est. Repl. Yr 2029		Maint. Reqd. (Y/N) No		No	
Special Comments for Next Inspection				d bevel. when conditions change.		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 Jason			lason Saly F			Previous Assistant's Name						
Next Inspection Date 23-0		23-Oct-2	23-Oct-2014 Pre			Inspection Date	06-Jun-2011					
Inspection Cycle (Default) (months) 21		21										
Comment												