			R	rida	e Cillve	ert Inspe	ection							
Bridge File Number	71403 -1 Bridge Culvert			ue	o ourve		- i		CUL1					
	1968					Lot No.		1						
						Inspector Name		Jason Rusu						
		RY TO MATZ	HIWIN CRE	EEK		Inspector Class		BR CLS B						
3.15.6, WATERCRS-ST					,	Assistant Name		DIC OLO D						
Located On 550:02 C1 6.421						Assistant Class								
Water Body Cl./Year							ion Date		24-Oct-2010					
Navigabil. Cl./Year						Data Entry By			Alyssa Boynton					
Legal Land Location	SE SEC	17 TWP 21 R	GE 17 W4M	1		Data Entry Date			10-Dec-2010					
Longitude, Latitude	-112:18:5	7, 50:46:35					er Name		Garry Roberts					
Road Authority	Alberta T	ransportation	(AIT)			Review			07-Nov-2010					
Contract Main. Area	CMA23					Dept. Reviewer Nam								
Clear Roadway/Skew	9.8 / -45	deg. (LHF)				Dept. Review Date			13-Dec-2010					
AADT/Year	760 / 200	9 (A)			Follow-Up B			aio	13-260-2010					
Road Classification	RCU-209	-110				Follow-op by								
Detour Length (km)	5													
Bridge Culvert Informa	ation													
Number of Culverts	1				ı									
Pipe # Barrel	S	pan	Rise (or Dia	Dia.) Type		Length			Corr. Profile	PI./Slab Thickness	Shape			
1 MAIN	-		1830		MP		32.9		68X13	3.5	ROUND			
Special Features														
Special Features Comm	nent													
Litility Attachments				Uti	lities (L	ocated	at)							
Utility Attachments Telephone NORT	ц р/м					Gas								
	E SOUTH					Municipal								
Others	L 30011	<u> </u>				Problem (Y/N) No								
Remarks						FlobleIII (1/N)   NO								
Remarks			Ann	roac	ch Road	l / Emba	ankment							
							Explanation of Condition							
Horizontal Alignment				7	7		S 100m							
Vertical Alignment				8	8	1								
	7 S. M. G. 1, M. G. 1					Minor slumping @ NE								
						1:1 OVER PIPE, CULVERT TOO SHORT								
Roadway Width (m) 9.400														
Embankment				4	4	Steeps	side slope	es - gaı	urdrail rcomme	nded for W.B t	raffic			
Sideslope (:1) 2.0						1	-							
(Height of Cover(m) :	2.6)	'				1								
Guardrail (Y/N)	,	No												
Approach Road / Emb	ankment	General Rat	ing	7	4	Gaurdr	ail neede	ed for w	est bound traff	ic				
					Unetre	l am End								
Culvert Component			1	ast	Now	1	ation of	Condi	tion					
Direction			S			SOUTH		2 3 1 WI						
End Treatment (Concre Others, None)	te, Steel,	STEEL												
Headwall				Х	Х									
Collar				X	X									
Collai														
Wingwalls				Х	X									

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	X	Expandion of condition
Bevel End		7	4	Large perforations. 2, 500m long X 50m wide
Heaving (mm)	0	,		Large perioralisms. 2, econi long x com was
Invert Above/Below Stream Bed				
Above/Below (mm)	100			
Scour Protection	100	6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		6	6	
	1			
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		7	4	
		Brio	ige Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	):	, Rise (mm): 1830, Type: MP)
Barrel Last Accessible Date	24-Nov-2010			
Special Features				
Special Feature				Flattening of roof sidewall starting
(Type : )				to crimp
Special Feature				
(Type:)				
Roof		2	2	
Measured Rise (mm)	1405	_		
Measured At Ring No.	4			23% sag at ring 4
Sag (mm)	425			
Percent Sag	23			
Sidewall		2	2	
Measured Span (mm)	2190			OOOV deflection of sidewall
Measured At Ring No.	4			20% deflection at sidewall
Deflection (mm)	360			
Percent Deflection	20			
Floor		N	4	Moderate corrosion along floor
Bulge (mm)	0	14		modelate composion along floor
Measured At Ring No.	ľ			
Abrasion (Y/N)	No			
Circumferential Seams	110	7	6	
Separation (mm)	30			
Longitudinal Seams		7	Х	Rivetted MP
Total No. of Cracked Rings	0		, ,	
Total No. of Rings with Two	0			
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	4	PITTED RUST ON floor
Corrosion By Soil (Y/N)				1
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	Ivert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	):	, Rise (mm): 1830, Type: MP)						
Ponding (Y/N)	No									
Fish Passage Adequacy		Х	Х							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		2	2							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		N		NORTH						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape: )										
Cutoff Wall		Х	Х							
Bevel End		5	5							
Heaving (mm)	0									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	700									
Scour Protection		5	5	(SCOUR HOLE FILLED WITH ROCK '94)						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : <b>250</b> )										
Scour/Erosion		5	5							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	5	5							
		S	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)		1	1							
Alignment		6	6	Ditch drainage pipes @ d/s 2m above SBED Minor canal enters from W @ d/s						
Bank Stability		4	4	NE & SE BANK IS SLUMPING SE bank grassed in D/S instability from cow grazing						
HWM (m below Top of Culvert)				No visible HWM						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading DEGRADING										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
<b>Channel General Rating</b>		6	4							

				Maintenance I	Recommen	dations							
nspector Recommendations Year Inspector Comments					Department Cor	mmer	nts	Target Yea	r Es	st. Cost	Cat #		
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING	3												
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUT	OFF												
REPAIR SEAMS													
OTHER ACTION	20°	12	replace or	line									
OTHER ACTION	20	12	Install GR	or flatten embankment o	over outlet								
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/N (%)	low) 22	v) 22.2/22.2		Sufficiency Rating (Last/Now) (%)		48.8/35.4		t. Repl. Yr	2012	Maint. F	Reqd.	(Y/N)	Yes
Special Comments for Next Inspection						Department Comments							
Maintenance Reviewed By						Date				Estimated To	tal	0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Tim Davies F			Previous	s Assistant's Name									
Next Inspection Date	24-Jan-20	)14			Previous	Inspection Date		29-Jan-2007					
Inspection Cycle (Default) (months)	39												
Comment													