			/	БГ	luge		ert Inspe	ection				
Bridge File Nu	Imber	06910 -1 Bridge Culvert				Form Type			CULE			
Year Built		1956					Lot No.		4			
Bridge or Tow	n Name	BLACKIE					Inspect	or Name	Jon Davies			
Located Over	ocated Over 2ND ORDER TRIBUTARY TO F LAKE, 2.12.12.16.1.2.1, WATEF						Inspector Class Assistant Name		BR CLS B			
Located On	799:02 C1 8.919						Assistant Class					
Water Body C	ater Body CI./Year								24-Jan-2013			
Navigabil. Cl./	Year								Anne Roberts			
Legal Land Lo	cation	NW SEC	C 36 TWP 19 I	RGE 27 W4M				ntry Date	21-Feb-2013			
Longitude, Lat	le, Latitude -113:37:44, 50:39:08							Reviewer Name Garry Roberts				
Road Authority Alberta Transportation (AIT)				ı (AIT)			Review		03-Feb-2013			
Contract Main. Area CMA27					Dept. Reviewer							
Clear Roadwa	y/Skew	9.6 /			Dept. Review Date							
AADT/Year		540 / 20	11 (A)				Follow-		04-Mar-2013			
Road Classific	ation	RCU-20	9-110					брЪу				
Detour Length	ı (km)	3										
Bridge Culver	rt Inform	ation										
Number of Cul	lverts	·	1									
Pipe #	Barrel	:	Span	Rise (or Dia	.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape	
1	U/S		-	2400		MP		7.4	125X26	2.8	ROUND	
1	MAIN		-	2134		SP		54.3	152X51	3.5	ROUND	
Special Featur	res											
Special Featur	res Comr	ment										
					1 1+i1	litios (l	_ocated	at)				
Utility Attachm	onte				Oui	inies (i		atj				
Telephone	West	ROW/	Gas					s Crossing 200 m South				
Power	East F						Municip		11g 200 11 0001			
Others		optics Ea	ust ROW		Problem (Y/N) No							
Remarks							1					
				Appr	oac	h Road	d / Emba	nkment				
						1	Explanation of Condition					
Horizontal Alig	gnment	Horizontal Alignment				Now	Explan		tion			
Vertical Alignm	Vertical Alignment			La:	ι <b>sτ</b> 7	Now 7	Interse	ation of Condi ction 800 m nor				
Roadway Width (m) 9.600							Interse	ation of Condi				
Roadway Widt			9.600		7	7	Interse	ation of Condi ction 800 m nor				
Roadway Widt Embankment			9.600		7	7	Interse	ation of Condi ction 800 m nor Hill to south				
	th (m)		9.600		7 6	76	Interse In sag.	ation of Condi ction 800 m nor Hill to south				
Embankment	th (m) :1)	4)			7 6	76	Interse In sag.	ation of Condi ction 800 m nor Hill to south				
Embankment Sideslope (_	th (m) :1) over(m) :	4)			7 6	76	Interse In sag.	ation of Condi ction 800 m nor Hill to south				
Embankment Sideslope (	th (m) :1) over(m) : I)		3.0 No		7 6	76	Interse In sag.	ation of Condi ction 800 m nor Hill to south				
Embankment Sideslope (_ (Height of Co Guardrail (Y/N	th (m) :1) over(m) : I)		3.0 No		7 6 7 6	7 6 7 6	Intersed In sag. 4:1 eas	ation of Condi ction 800 m nor Hill to south				
Embankment Sideslope (_ (Height of Co Guardrail (Y/N	th (m) :1) over(m) : I) ad / Emt		3.0 No		7 6 7 6	7 6 7 6	4:1 eas	ation of Condi ction 800 m nor Hill to south	th			
Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Ro	th (m) :1) over(m) : I) ad / Emt		3.0 No	ting (	7 6 7 6	7 6 7 6 Upstre	am End Explan EAST	ation of Condi ction 800 m nor Hill to south t t ation of Condi	th			
Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Ro Culvert Comp	th (m) :1) over(m) : l) ad / Emb ponent	pankmer	3.0 No nt General Ra	ting (	7 6 7 6	7 6 7 6 Upstre	am End Explan EAST	ation of Condi ction 800 m nor Hill to south .t	th			
Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Ro Culvert Comp Direction End Treatmen	th (m) :1) over(m) : l) ad / Emb ponent	pankmer	3.0 No nt General Ra	ting 6	7 6 7 6	7 6 7 6 Upstre	am End Explan EAST	ation of Condi ction 800 m nor Hill to south t t ation of Condi	th			
Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Ro Culvert Comp Direction End Treatmen Others, None)	th (m) :1) over(m) : l) ad / Emb ponent	pankmer	3.0 No nt General Ra	ting (	7 6 7 6 st	7 6 7 6 Upstre Now	am End Explan EAST	ation of Condi ction 800 m nor Hill to south t t ation of Condi	th			
Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Ro Culvert Comp Direction End Treatmen Others, None) Headwall	th (m) :1) over(m) : l) ad / Emb ponent	pankmer	3.0 No nt General Ra	ting (	7 6 7 6 st	7 6 7 6 Upstre Now	am End Explan EAST	ation of Condi ction 800 m nor Hill to south t t ation of Condi	th			

Alberta Transportation

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection	·	8	7	Round rock
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		8	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	,	Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	24-Jan-2013			Primary span: 2134 Dia. SPCSP 51.6m with 2134 Dia. SPCSP 6m at east
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof			7	Est. Good general roof shape.
Measured Rise (mm)	2050			
Measured At Ring No.	9			
Sag (mm)	84			
Percent Sag	3			
Sidewall			7	
Measured Span (mm)	2170			
Measured At Ring No.	9			
Deflection (mm)	36			
Percent Deflection	2			
Floor			N	300 mm of ice through out
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			7	
Separation (mm)	10			
Longitudinal Seams			7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			1-N stagger
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	No			1
Longitudinal Stagger (Y/N)	Yes			
Coating			6	Minor corrosion at bolt holes and below water.
Corrosion By Soil (Y/N)	Yes			1
Corrosion By Water (Y/N)	Yes			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

06910 -1 Bridge Culvert

		Bric	lge Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loc	ation Code: U/S, Sp	oan (mm):	, I	Rise (mm): 2400, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy			5	
Baffle			X	
(Type : )			~	
Waterway Adequacy			7	
Icing (Y/N)	No		1	
Silting (Y/N)	No			-
Drift (Y/N)	No			-
Barrel Extension General Rat			7	
Darrer Extension General Nat	ing			
				Ivert Barrel
Culvert Component			Now	
(Pipe # : 1, Primary Span, Loc		Span (mm	):	, Rise (mm): 2134, Type: SP)
Barrel Last Accessible Date	24-Jan-2013			2400 CSP at East
Special Features				
Special Feature				
(Type:)		I		
Special Feature				
(Type:)				
Roof		7	7	Est. General shape is good
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	60			
Percent Sag	2			
Sidewall		7	7	Est.
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	60			
Percent Deflection	2			
Floor		N	N	Snow and ice covered.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No		_	
Circumferential Seams		8	6	
Separation (mm)	30		_	
Longitudinal Seams		7	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			-
Proper Lap (Y/N)	No			-
Longitudinal Stagger (Y/N)	Yes			
Coating		6	7	Minor corrosion below water line.
Corrosion By Soil (Y/N)	No			-
Corrosion By Water (Y/N)	Yes			

Alberta Transportation

		Brid	d <u>ge Cu</u>	Ivert Barrel				
Culvert Component			Now					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	Span (mm	):	, Rise (mm): 2134, Type: SP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		X	5					
Baffle		X	X					
(Type : )								
Waterway Adequacy		8	7					
Icing (Y/N)	No			_				
Silting (Y/N)	No			_				
Drift (Y/N)	No							
Barrel General Rating		7	7					
		D		ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	I	W		WEST				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		X	X					
Wingwalls		X	Х					
(Shape : )								
Cutoff Wall		X	X					
Bevel End		6	6	3.7 m long. patch welded on seam to				
Heaving (mm)	300			barrel. Bolts missing.				
Invert Above/Below Stream Bed	ABOVE			_				
Above/Below (mm)	200							
Scour Protection		5	5	_				
(Type : <b>RIP RAP</b> )				_				
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		5	5	Scour at invert 4 m x 2 m x 1mdeep. Partially rock lined.				
Beavers (Y/N)	No							
Downstream End General Ration	ng	6	5					
				re Usage				
Channel (U/S and D/S)		Last	Now	Explanation of Condition				
Alignment		6	6					
Bank Stability		8	7					
HWM (m below Top of Culvert)				No visible HWM				
Drift (Y/N)	Yes			Minor drift extending 6 m from d/s invert.				
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							

Structure Usage								
	Last Now Explanation of Condition							
Channel General Rating	6	6						

			Maintenance Reco	mmenda	ations					_	
Inspector Recommendations		⁄ear	Inspector Comments		Department Corr		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 7	7.8/77.8	8 Sufficiency Rating (Last/Nov (%)	N) 7	8.4/74.4	Est. Repl. Yr	2030	Maint. Red	qd. (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 Rex Davidson Previous					us Assistant's Name						
Next Inspection Date 24-Apr-2016			Pr	revious li	nspection Date	16-Oct-2009					
Inspection Cycle (Default) (months) 39											
Comment											