					Brida		art Inspe	oction					
Bridge File Number 71295 -1 Bridge Culvert					Dillag		r <b>t Inspection</b> Form Type		CUL1				
Year Built 1955							Lot No.			1			
Bridge or Town Name CROOKEI									Russel Vanderschaaf				
							· ·			BR CLS B			
			10.58.17.2.2.1.1, WATERCRS-ST				Assistant Name						
Located On 43:06 C1 11.988							Assistant Class						
Water Body CI./							Inspection Date			03-Dec-2012			
Navigabil. Cl./Ye				<u></u>			Data Entry By			Theresa Lacusta			
			C 19 TWP 71 RGE 25 W5M					Data Entry Date		20-Jan-2013			
								Reviewer Name		Eric Carcoux			
								Review Date		09-Jan-2013			
Contract Main. Area CMA03			3					Dept. Reviewer Name		David Morrisor	า		
Clear Roadway/		12.2/						Dept. Review Date		18-Mar-2013			
AADT/Year Road Classificat		5,020 / 20 RAU-211					Follow-Up By						
Detour Length (k		275	.0-110				-	-					
Bridge Culvert													
Number of Culve		1											
	Barrel		pan	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 N	MAIN	-		1524		MP		42.7		68X13	3.5	ROUND	
Special Features		V	ERT TIMBER	-	3		12.0					1.100.12	
Special Features	1	nent			Ut	ilities (l	₋ocated	at)					
Utility Attachmer							•						
Telephone	West r						Gas	•					
Power 2 W o/h East r/w and 2 W o/h over pipe road.				e cross	sing		Municipal Problem (Y/N) No						
Others							Probler	n (Y/N)	No				
Remarks													
				Α	pproa	ch Roa	d / Emba	nkment					
				Last	Now	Explanation of Condition							
	Horizontal Alignment			7	7	Home entrance 30 m East of pipe. Field entrance just west of pipe.							
Vertical Alignment				8	8	, , ,							
Roadway Width	Roadway Width (m)			12.200			Currently abandoning old pipe & installing new 1000 SWL.(Augering) Couldn't inspect as was under construction.						
Embankment						7							
Sideslope (:	1)		3.0										
(Height of Cover(m) : 2)													
Guardrail (Y/N)			No										
Approach Road	Approach Road / Embankment General Rating					7							
Cubus t C					1		am End		0	lien			
Culvert Component					Last Now		Explan	ation of	Condi	lion			
Direction End Treatment (Concrete, Stee		ete, Steel,	STEEL		IN								
Others, None) Headwall				X	N								
Collar			X	N									
Wingwalls			X	N									
(Shape : )													
Cutoff Wall				X	N								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

71295 -1 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End	·	N	N	Floor rusted through & water flowing under bevel05-May-2009						
Heaving (mm)	300			Snow covered						
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	400									
Scour Protection		N N		Willows growing around end of pipe.						
(Type : <b>RIP RAP</b> )				······································						
(Avg. Rock Size(mm) : <b>300</b> )										
Scour/Erosion		N	N							
Beavers (Y/N)	No									
Upstream End General Rating		3	3	GR carried over- 05-May-2009						
		Bric		Ivert Barrel						
Culvert Component		1	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa			, Rise (mm): 1524, Type: MP)						
Barrel Last Accessible Date	08-Mar-2011		,							
Special Features										
Special Feature		5	N	U/S 2/3 only.						
(Type : VERT TIMBER STRUTS				-						
Special Feature										
(Type:)			-							
Roof		2	N	Near d/s bevel, roof is dented in 200mm.						
Measured Rise (mm)	1200			14m from u/s end.						
Measured At Ring No.				Couldn't measure due to ice/struts.						
Sag (mm)	324									
Percent Sag	21									
Sidewall		2	N	photo						
Measured Span (mm)	1800			14m from u/s end.						
Measured At Ring No.										
Deflection (mm)	276									
Percent Deflection	18									
Floor		2	N	Extensive perforations on floor (photo). (Largest 200mm x 100mm).						
Bulge (mm)	0			Partly ice covered.						
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		2	N	Fill exposed, coupler perforation						
Separation (mm)	140			@R1 (photo).						
Longitudinal Seams			N	Riveted.						
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		2	N	Extensive perforations on floor (photo).						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

71295 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1524, Type: MP)						
Fish Passage Adequacy		3	3	OUTLET 1m ABOVE S/B-05-May-2009						
				Snow covered.						
Baffle		Х	Х							
(Type : )										
Waterway Adequacy		7	N							
Icing (Y/N)										
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		2	2	GR carried fwd from 08-Mar-2011						
Culvert Component		Last	Now	eam End Explanation of Condition						
Direction		S		Couldn't access under construction						
End Treatment (Concrete, Steel,	STEEL									
Others, None)			1							
Headwall			X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape : )										
Cutoff Wall		X	X							
Bevel End		N	N	Snow covered.						
Heaving (mm)	50									
Invert Above/Below Stream Bed ABOVE										
Above/Below (mm)	1000		1							
Scour Protection		N	N	Snow covered.						
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : <b>300</b> )		N								
Scour/Erosion			N	Snow covered.						
Beavers (Y/N)	No									
Downstream End General Ration	ng	5	5	GR carried over-05-May-2009						
		s	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)	·									
Alignment			7							
Bank Stability		5	5							
HWM (m below Top of Culvert)			1	HWM not visible.						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading				Stable						
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :										
Channel General Rating			7							

Maintenance Recommendations													
Inspector Recommendations			Year	Inspecto	r Comments		Department Com		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTOFF		)FF											
REPAIR SEAMS												_	
OTHER ACTION			2013	Replace.								_	
OTHER ACTION												_	
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			22.2/22.	2	Sufficiency Rating (Last/Now) %)		31.0/38.8	Est. Repl. Yr 2013		Maint. Reqd. (Y/N)		Yes	
Special Comments for	ating09	ng09-Mar-2011				Department Comments	Department						
Next Inspection	Schduled for replace	ement 2011/2012 with hwy upgrade.					Comments						
	Notify construction of	consulta	onsultant to update BIMS's and BIS/CIS coding sheets.										
Maintenance Reviewed By							Date	Estimated Total 0					
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Russe			Russel Vanderschaaf F			Previous	ous Assistant's Name						
Next Inspection Date 03-Se		03-Sep	3-Sep-2014			Previous	ious Inspection Date 08-Mar-2011						
Inspection Cycle (Default) (months) 21													
Comment													