					Drida	o Cube	ort Jaco	oction -						
Bridge Eile N.	mhar	75000	2 Bridge Culve	rt	Bridg	e Culve	ert Insp			CIII 1				
		75989 - 2002	5989 -2 Bridge Culvert				Form Type			CUL1				
		N/III F			Lot No.		1							
Bridge or Town Name MORIN							Inspector Name			Kris Bosters				
Located Over			3RD ORDER TRIBUTARY TO STURGEON RIVER, 6.65.6.2.1, WATERCRS-ST				· ·	Inspector Class		BR CLS A				
Located On		LOCAL						Assistant Name		Brian Cote				
Water Body Cl./Year						Assistant Class		BR CLS B						
Navigabil. Cl./							Inspection Date		24-Apr-2013					
		NW SE	C 28 TWP 54 F	RGE 25 W	'4M		Data Entry By			Lisa Fairhurst				
			-113:38:21 53:42:06				Data Entry Date			02-May-2013				
		Alberta Transportation (AIT)					Reviewer Name			Eric Carcoux				
		CMA09						Review Date 29-Apr-2013						
		8 /						Reviewer						
AADT/Year	y/ OREW		R (F)					Review Da	ate					
Road Classific	ation		2013 (E) .U-208G-90					Up By						
		999	00-90	3G- 9 U										
Detour Length Bridge Culver														
Number of Cul			1											
Pipe #			Span	n Rise (or D		Туре		Longth		Corr. Profile	Pl./Slab	Shape		
i ipe #	Danei		Оран	Kise (of D		ype		Length		John Frome	Thickness	Onape		
1	MAIN		2440	2440		РСВ		28.6				SQUARE		
Special Features														
Special Featur	es Comi	ment												
·														
					Uti	lities (L	Located	at)						
Utility Attachm	ents								1					
Telephone							Gas							
Power		e east r/w.					Munici	oal						
Others Fiber optic East						Proble	m (Y/N)	No						
Remarks	File ta	ig U/S, N	lorth.											
				Ap				ankment						
						Explanation of Condition								
Horizontal Alignment				6	6	Farm entrance from Hwy 2.								
Vertical Alignment				7	7									
						Guardrail along Hwy 2.								
Roadway Widt	th (m)		8.000											
Embankment					9	9								
Sideslope (_			4.0											
(Height of Co		0.6)												
Guardrail (Y/N)		No											
Annroach Po	ad / Emi	nankmo	nt General Rat	ina	6	6								
Approach Ko	au / EIIII	Jankinel	ii General Kal	y	0									
						Upstre	am End							
Culvert Component		Last	Now	Explan	ation of	Condi	tion							
Direction		N												
End Treatment (Concrete, Steel, Others, None)		I, CONCRETE												
Headwall					Х	Х								
Collar			Х	Х										

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Wingwalls			Х						
(Shape:)		X							
Cutoff Wall		Х	Х						
Bevel End		9	9						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	1000								
Scour Protection		8	8						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion			8						
Beavers (Y/N)	No								
Upstream End General Rating		9	8						
		Brid	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2440	, Rise (mm): 2440, Type: PCB)					
Barrel Last Accessible Date	14-May-2004			Not accessible. Approximately 1m deep.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		N	N	Viewed from ends. Shape looks good. Minor differential settlement,					
Measured Rise (mm)	2440			approx 20mm observed from outside barrel between rings 11 & 12.					
Measured At Ring No.									
Sag (mm)	0								
Percent Sag	0								
Sidewall		N	N	Viewed from ends. Shape appears to be in good condition.					
Measured Span (mm)	2440								
Measured At Ring No.									
Deflection (mm)	0								
Percent Deflection	0								
Floor		N	N	Under water.					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		N	N	Minor concrete spall at the joint between ring 12 and D/S bevel end.					
Separation (mm)	0								
Longitudinal Seams		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	Х						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)									

	vert Barrel			
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2440	, Rise (mm): 2440, Type: PCB)
Camber POS/ZERO/NEG ZERO				
Ponding (Y/N) No				
Fish Passage Adequacy			9	
Baffle		N	N	
(Type:)			1	
Waterway Adequacy	T	9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	Previous G.R. was "9" on 14/May/2004.
_				·
				eam End
Culvert Component		Last	Now	Explanation of Condition
Direction	I · ·	S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		X	Х	
Collar			X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1200			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		8	8	
	l.			
Beavers (Y/N) No				
Downstream End General Rating			8	
		S	Structur	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)			1	
Alignment			9	
3		9		(Scour hole 15m U/S. East bank failing (5 x .75 x 4) May/2008)
Bank Stability			N	Bank still snow covered.
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N) No				TIVE THE VIOLE.
Channel Bottom NONE				
Degrading/Aggrading Beavers (Y/N) No				
Beavers (Y/N) No (Fish Compensation Measure 1 : NONE)				
	·			
(Fish Compensation Measure 2 :	NUNE)			

Structure Usage							
Last Now Explanation of Condition							
Channel General Rating	4	4	GR carried forward from May/2008				

		Maintenance Rec	commendations					
Inspector Recommendations	Year	Inspector Comments	Department Co	mments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP	2013	Place additional 15m3 of riprap U/S, i completed.	f not					
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	3							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUT	OFF							
REPAIR SEAMS								
OTHER ACTION	2013	Place additional 15m3 of riprap U/S, i completed.	f not					
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/N (%)	ow) 55.6/55	.6 Sufficiency Rating (Last/N (%)	ow) 75.6/74.7	Est. Repl.	Yr 2070	Maint. Re	qd. (Y/N)	Yes
Comments for required as per BIN	/I Manual Section	ssed for 2 or more cycles, a Level II ins a 13.9.1.5. we are recommending that this be defe	Comments					
Maintenance Reviewed By			Date			Estimated Tota	1 0	
Proposed Long-Term Strategy			,					
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Jacob Oresile		Previous Assistant's Name	us Assistant's Name				
Next Inspection Date	24-Jan-2018		Previous Inspection Date	us Inspection Date 09-May-2008				
Inspection Cycle (Default) (months)	57			,				
Comment								