					Brida	o Culve	art Inspac	etion					
Bridge File Nur	nher					e Curve	Form Type			CULM			
Year Built	IIDEI	1980					Lot No.			4			
Bridge or Town Name FORT MACLEOD						Inspector Name			Jason Rusu				
Located Over	IName						Inspector Class		BR CLS A				
Localed Over			2.5.1 MATERORS-ST				Assistant Name		DIX OLO A				
Located On		2:06 C1	3.673	673				Assistant Class					
Water Body Cl./Year					Inspection Date			09-Oct-2011					
Navigabil. Cl./Year					Data Entry By			Alyssa Boynton					
Legal Land Location NW SEC 29 TWP 6 RGE 25 W4				3E 25 W4I	М		Data En			18-Nov-2011			
Longitude, Latitude -113:19:53, 49:30:19						Reviewe			Garry Roberts				
Road Authority Alberta Transportation (AIT)			(AIT)	Review Date					09-Nov-2011				
Contract Main.	Area	CMA26					Dept. Reviewer Name			<u> </u>			
Clear Roadway	/Skew	11 / -30	deg. (LHF))				Dept. Review Date		21-Nov-2011			
AADT/Year		1,520 /	2010 (A)				Follow-L			211101 2011			
Road Classifica	ation	RAU-21	11.8-110				I ollow c) P Dy					
Detour Length	(km)	15											
Bridge Culver		ation											
Number of Culv	/erts		2										
Pipe #	Barrel		Span	Rise (or E	Dia.)	Туре	l	_ength		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1830		MP	3	37		125X26	2.8	ROUND	
2	MAIN		-	1200		MP	3	34.4		68X13	2.8	ROUND	
Special Feature	es												
Special Feature	es Comr	ment											
Living Asset					Uti	ilities (L	_ocated a	it)					
Utility Attachme								1					
Telephone		DITCH					Gas						
Power 1 W CROSSES ROAD 40 m SOUTH					Municipa								
Others	Fibre	optic line	e west ditch				Problem	(Y/N)	No				
Remarks				Δ		h Daa	d / Embou	olemo o m t					
					<u>פונספוני</u> Last	Now	d / Embar Explana		Condi	tion			
Horizontal Aligi	nment				6	6	-			iting sight			
Vertical Alignm					5	5	distance	. No pas	sing S	BB			
Roadway Widtl			11.000] 3							
Roadway Widti	1 (111)		11.000										
Embankment					7	7							
Sideslope (_:1)		3.5										
(Height of Co	ver(m) :	1.4)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	oankme	nt General Rat	ing	5	5							
						Upstre	am End						
Culvert Comp	onent							tion of (Condi	tion			
(Pipe # : 1, Sp		e: Prima	ry Span)				<u> </u>						
Direction					W		W. end.						
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL				North pip	pe					
Headwall					Х	X							
Collar					Х	X							
						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
Wingwalls (Shape:)					X	X							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)			_	
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1830, Type: MP)
Barrel Last Accessible Date	09-Oct-2011			North pipe
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		4	4	Rating deflection.
Measured Rise (mm)	1676			
Measured At Ring No.	3			
Sag (mm)	154			
Percent Sag	8			
Sidewall		7	7	
Measured Span (mm)	1888			
Measured At Ring No.	3			
Deflection (mm)	58			
Percent Deflection	3			
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	55			
Longitudinal Seams		Х	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)				
Longitudinal Stagger (Y/N)				
Coating		5	5	Light corrosion
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

		Brid	dae Cu	Ivert Barrel				
Culvert Component		1		Explanation of Condition				
	tion Code: MAIN, Spa	ın (mm		, Rise (mm): 1830, Type: MP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Camber POS/ZERO/NEG ZERO Ponding (Y/N) No Fish Passage Adequacy Baffle (Type:) Waterway Adequacy Icing (Y/N) No Silting (Y/N) No		4	4					
				ream End				
		Last	Now	Explanation of Condition				
	Span)							
		E		East North Pipe				
Others, None)	STEEL		1					
		X	X					
Collar		X	Х					
		X	X					
		X	X					
		N	7					
	1							
	200							
		N	5	1m3. broken concrete has been placed at D/S end.				
		N.		(Main any resolution and a construction from the constitution)				
Scour/Erosion		N	5	(Minor rock lined scour 1m from bevel.)				
Beavers (Y/N)	No							
Downstream End General Ratin	ng	5	5					
				am End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)							
Direction		W		West end South Pipe				
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		X	X					
Collar		X	X					
Wingwalls		X	X					
(Pipe # : 1, Primary Span, Location Code: MAIN Camber POS/ZERO/NEG Ponding (Y/N) Ro Fish Passage Adequacy Baffle (Type :) Waterway Adequacy Icing (Y/N) Silting (Y/N) Drift (Y/N) No Barrel General Rating Culvert Component (Pipe # : 1, Span Type: Primary Span) Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 200) Scour/Erosion Beavers (Y/N) No Downstream End General Rating Culvert Component (Pipe # : 2, Span Type: Secondary Span) Direction End Treatment (Concrete, Steel, NONE Others, None) Headwall Culvert Component (Pipe # : 2, Span Type: Secondary Span) Direction End Treatment (Concrete, Steel, NONE Others, None)								
Cutoff Wall			X					

			Unetro	eam End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Snan)	Last	11011	Explanation of Condition
Bevel End	ary opan,	N	5	
Heaving (mm)	0	14	<u> </u>	
Invert Above/Below Stream Bed	BELOW			
	200			
Above/Below (mm)	200	N	6	In groups
	Scour Protection		6	Ingrown
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		7	5	Bevel end governs.
		Brid	dge Cu	ılvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm):	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date	21-Feb-2008			South pipe
Special Features				
Special Feature				Inspector viewed pipe from ends - shape and condition look
(Type:)				adaquate or better.
Special Feature				
(Type:)				
Roof		N	N	Sag
Measured Rise (mm)	1170	- 14	111	Jug
Measured At Ring No.	4			est
Sag (mm)	30			
Percent Sag	2			
Sidewall		N	N	Deflection
Measured Span (mm)	1230	14	111	Defication
Measured At Ring No.	5			
Deflection (mm) 30				est
Percent Deflection	2			
Floor		N	N	
Bulge (mm)	0	- 14	- 14	
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	INU	N	N	
Separation (mm)	55	IN	IN	
		X	Х	
Longitudinal Seams Total No. of Cracked Pings	0	λ		
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel 0 Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	5	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	lvert Barrel				
•			Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		Х	Х					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		N	6					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		N	N					
		D	ownstr	ream End				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)		111111	, — · · · · · · · · · · · · · · · · · ·				
Direction		Е		EAST END - south pipe				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		N	5					
Heaving (mm)	50							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	50							
Scour Protection		N	5					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		N	5	Large rock lined gulley D/S of undersized pipe.				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	5					
		S	Structu	re Usage				
		Last		Explanation of Condition				
Channel (U/S and D/S)								
Alignment		5	5	SHARP BEND @ D/S				
Bank Stability		5	5					
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)							
Channel General Rating		5	5					

Bridge Inspection & Maintenance System (Web 2005)

		Maintenan	ce Recommenda	ations					
Inspector Recommendations	Year	Inspector Comments		Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS		•							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 44.4/44	.4 Sufficiency Rating ((%)	Last/Now) 5	4.8/49.5	Est. Repl. Yr	2025	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		ı	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous A	ssistant's Name					
Next Inspection Date	09-Jul-2013		Previous I	nspection Date	21-Jan-2010				
Inspection Cycle (Default) (months)	21								
Comment									