					Bridg	e Culve	ert Insp						
	idge File Number 79494 -1 Bridge Culvert						Form Type		CUL1				
Year Built 2003						Lot No.		2					
Bridge or Town Name MACKAY								tor Name	Kris Bosters				
Located Over								Inspector Class BR CLS A					
Located On		751:02 C	1 15.210				Assistant Name		Brian Cote				
Water Body Cl./Year							Assista	int Class	BR CLS B				
Navigabil. Cl./Y	'ear						Inspec	tion Date	18-Apr-2013				
Legal Land Loc	cation	SW SEC	17 TWP 55 RGE 11 W5M				Data E	ntry By	Lisa Fairhurst				
Longitude, Lati	tude	-115:35:	58, 53:44:42				Data Entry Date		24-Apr-2013	24-Apr-2013			
Road Authority		Alberta 7	ransportation	(AIT)			Reviewer Name		Eric Carcoux				
Contract Main.	Area	CMA12					Review Date		21-Apr-2013				
Clear Roadway	//Skew	9.4 /					Dept. F	Dept. Reviewer Name Brent Herrick					
AADT/Year		200 / 20	12 (A)				Dept. F	Dept. Review Date 01-May-2013					
Road Classifica	ation	RLU-209	9-110				Follow-	ollow-Up By					
Detour Length	(km)	3											
Bridge Culver		ation											
Number of Culv	verts	1											
Pipe #	Barrel	8	Span	Rise (or Dia.)		Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	-		2000		MP		23.4	75X25	2.8	ROUND		
Special Feature	es												
Special Feature	es Comn	nent											
					Ро	sting Ir	nformat	ion					
Required Vert.	Clearan	ce Postin	ıg (m)										
Posted Vertical	Clearar	nce (Y/N)											
Posted: Lane	NB	On B	ridge (m)	In Adv	ance (Y/N)	L	ane SB	On Bridge (m)	In Advance	ce (Y/N)		
Remarks	Not re	quired.											
Little Attackers					Uti	lities (L	_ocated	at)					
Utility Attachme	North	-/					Gas						
Telephone								1					
Power	1 wire	South r/v	V.				Municip						
Others							Problei	m (Y/N) No					
Remarks													
								ankment					
					Last	Now	Explanation of Condition Location is incorrect. Located 250m North of BF 70113. In "S" curve						
Horizontal Alignment					7	7	Locatio	on is incorrect. sight distance.	Located 250m N	orth of BF 7011	3. In "S" curve,		
Vertical Alignm Roadway Width			9.400		7	7							
1.400		0.100											
Embankment				7 7			Large	crack reflecting	through ACP ov	erpipe			
Sideslope (_:1)		3.0										
(Height of Co	ver(m):	1.8)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	ankmen	t General Ra	ting	7	7							
						Upstre	am End						
Culvert Compo	onent				Last	Now		ation of Cond	lition				
Direction					W		Culver	has ID tag in	place West end.				
End Treatment Others, None)	(Concre	ete, Steel	, NONE										
Headwall					Х	Х							
Collar					Х	Х							

				am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	300			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		8	8	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Bri	dae Cu	lvert Barrel
Culvert Component		_	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 2000, Type: MP)
Barrel Last Accessible Date	18-Apr-2013		· <i>y</i> ·	, 11100 (11111): 2000, 13 pos mil)
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	4	Damage to roof by mover, restricts animal movement 6m from D/S end.
Measured Rise (mm)	1924			- The first by Gend.
Measured At Ring No.				
Sag (mm)	76			
Percent Sag	4		_	
Sidewall	1	6	6	6m from D/S end.
Measured Span (mm)	2053			om nom b/s end.
Measured At Ring No.				
Deflection (mm)	53			
Percent Deflection	3			
Floor	1	7	N	Covered with ice/mud
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	125			
Longitudinal Seams		X	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		7	7	
Corrosion By Soil (Y/N) No				
Corrosion By Water (Y/N) No				

		Brid	dge Cu	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 2000, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	Yes			Water ponds due to heaving
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	4	
				eam End
Culvert Component			Now	Explanation of Condition
End Treatment (Concrete, Steel, Others, None)	NONE	E		
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		Х	Х	
Heaving (mm)	300			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
				e Usage
One de Companyion		Last	Now	Explanation of Condition
Grade Separation		7	7	
Road Alignment		7 X	4	lce on mud, water ponds in barrel
Roadway Surface (Type : SOIL)			4	
	Yes			
Icing (Y/N)	1 69	X	X	
Traffic Safety Features	None	٨		
Type Lighting	INUITE	Х	Х	
	l.	^	^	
Barrel Leakage (Y/N)	No			

Structure Usage							
		Last	Now	Explanation of Condition			
Drainage		6	4	Warter ponds			
Structure In Use (Y/N) No							
Grade Separation General Rating			4				

		Maintena	nce Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Com	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		•			J		
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	3						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION	2013	Bend roof back into shape					
OTHER ACTION	2013	Change location on BF map					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	low) 66.7/4	4.4 Sufficiency Rating (%)	(Last/Now) 79.2/67.9	Est. Repl. Yr 20	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department 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	Kris Bosters		Previous Assistant's Name	revious Assistant's Name Sara Wadlow			
Next Inspection Date	18-Jul-2016		Previous Inspection Date	19-Nov-2009			
Inspection Cycle (Default) (months)	39						
Comment							