					Bridg	e Culve	ert Inspe	ection						
Bridge File Number 72627 -1 Bridge Culvert Year Built 1986 Bridge or Town Name MAYCROFT Located Over BLACK CK, 2.12.48.9, WATERO Located On 22:08 C1 14.920 Water Body Cl./Year Navigabil. Cl./Year Legal Land Location NE SEC 24 TWP 11 RGE 2 W5N Longitude, Latitude -114:08:30, 49:55:41 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA26 Clear Roadway/Skew 11.7 / 25 deg. (RHF) AADT/Year 2,210 / 2011 (A) Road Classification RAU-211.8-110 Detour Length (km) 18 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise (or I) 1 MAIN - 2400 Special Features Special Features Comment Utility Attachments Telephone Power Others Fibre optics @ East r/w. Remarks						Form T	уре		CUL1					
							Lot No.			4				
Bridge or Town	Name	MAYCR	OFT				Inspector Name			Garry Roberts				
Located Over		BLACK	CK, 2.12.48.9,	WATERO	CRS-S	Т	Inspector Class			BR CLS A				
Located On		22:08 C	1 14.920				Assista	ant Name						
Water Body Cl.	./Year						Assista	nt Class						
Navigabil. Cl./Y	ear/						Inspection Date			16-Jun-2012				
				M Data Entr			ntry By		Erin Roberts					
Longitude, Latin	tude	-114:08	:30, 49:55:41				Data Entry Date 17-Jul-2012							
Road Authority		Alberta	Transportation	(AIT)			Reviewer Name Joel Wozney							
Contract Main.	Area	CMA26				Review Date			27-Jun-2012					
Clear Roadway	//Skew	11.7 / 2	5 deg. (RHF)			Dept. Reviewer Name			Tim Davies					
AADT/Year		2,210/	2011 (A)			Dept. Review Date			17-Jul-2012					
Road Classifica	ation	RAU-21	1.8-110				Follow-Up By							
Detour Length	(km)	18												
Bridge Culvert	t Inform	ation												
Number of Culv	verts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length Corr. Profile Pl./S				Shape		
1	MAIN		-	2400		MP		44		125X26	2.8	ROUND		
Special Feature	es													
Special Feature	es Comr	ment												
Liche And I					Ut	ilities (L	ocated.	at)						
	ents						0							
							Gas							
		0						Municipal 2(2)						
	Fibre	optics @	East r/w.				Problem (Y/N) No							
Remarks				Λ.		sh Dage	J / Eusk	ankment						
				A	Last	Now	1		Condi	tion				
Horizontal Aligr	nment				6	6	Explanation of Condition Curve to South.							
Vertical Alignm					7	7	Cuive	io oddin.						
Roadway Width			11.700			'								
Embankment					5	5	2.1 @	nine @ F	2et /1·	1 @ roadway.				
Sideslope (·1)		2.0				2.1 @	pipe @ L	uot, 4.	i @ roadway.				
(Height of Co		3)	2.0				-							
Guardrail (Y/N)		<u></u>	No											
Approach Roa	ad / Emb	oankmer	nt General Rat	ing	6	6								
						Upstre	am End							
Culvert Comp	onent				Last	Now		ation of	Condi	tion				
Direction					W	111011	West							
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall			Х	Х										
Collar			8	8										
Wingwalls			X	X										
(Shape:)														
Cutoff Wall			7	7										

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	Explanation of Condition
Heaving (mm)	250			
Invert Above/Below Stream Bed				
	100			
Above/Below (mm)	100	0		
Scour Protection		8	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)			Ι .	
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	16-Jun-2012	(11111	-,-	, ,
Dailor Lact / toocsoible Date	.0 0011 2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)	2395			
Measured At Ring No.	4			
Sag (mm)	5			
Percent Sag				
Sidewall	·	5	6	Inward.
Measured Span (mm)	2350			
Measured At Ring No.	2			
Deflection (mm)	50			
Percent Deflection	2			
		7	l NI	750/ cit covered
Floor	0	7	N	75% silt covered.
Bulge (mm)	0			
Measured At Ring No.	V			
Abrasion (Y/N)	Yes			1
Circumferential Seams	1	5	5	At D/S
Separation (mm)	250			
Longitudinal Seams	I	X	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	Superficial corrosion @ floor & bottom haunches @ U/S 1/3.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bric	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: MP)
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	Yes			Approx 200-400mm silt in 75% of barrel.
Drift (Y/N)	No			
Barrel General Rating		8	6	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		East end.
End Treatment (Concrete, Steel, Others, None)	STEEL		_	
Headwall		Х	X	
Collar		Х	X	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	7	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)			1	
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Culvert)				No visible HWM
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			Degrading slightly on D/S.
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

72627 -1 Bridge Culvert

Inspector Recommendations Year Inspector Comments Department Comments Target Year Est. Cost Cat SHOTCRETE REPAIRS			Maintenance	Recommendations					
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Next Inspection Date 16-Mar-2014 Previous Inspection Date 16-Mar-2014 Previous Inspection Date Inspection Cycle (Default) (months) 21	Inspector Recommendations	Year			nments		Target Year	Est. Cost	Cat #
PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL STRUTS INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspection Date Inspection Dat	•		•						
INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspection's Name Garry Roberts Previous Inspection Date 16-Mar-2014 Previous Inspection Date Next Inspection Date 16-Mar-2014 Previous Inspection Date 16-Mar-2014 Previous Inspection Date Inspection Cycle (Default) (months) 21									
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Sarry Roberts Service Action On 3-Year Program (Y/N) Previous Inspection Date Inspection Dat	REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Ready Roberts Repair Seams Reviewed By Previous Assistant's Name Next Inspection Date 16-Mar-2014 Previous Inspection Date 16-Mar-2014 Previous Inspection Date 16-Mar-2014 Previous Inspection Date 17-Oct-2010 OTHER ACTION Department Comments Estimated Total O OTHER ACTION Department Comments Previous Assistant's Name Next Inspection Date 16-Mar-2014 Previous Inspection Date 16-Mar-2014 Previous Inspection Date 16-Mar-2014 Previous Inspection Date 17-Oct-2010	INSTALL CONCRETE/STEEL LINING								
REPAIR SEAMS OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Revious Inspection Date I6-Mar-2014 Inspection Date I6-Mar-2014 Inspection Date OTHER ACTION B8.9/66.7 Sufficiency Rating (Last/Now) (%) Sufficiency Rating (Last/Now) Sufficiency Rating (Last/No	INSTALL STRUTS								
OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Next Inspection On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Garry Roberts Previous Inspection Date 16-Mar-2014 Previous Inspection Date Inspection Date OTHER ACTION Sufficiency Rating (Last/Now) 80.5/68.5 Est. Repl. Yr Department Comments Department Comments Department Comments Previous Assistant's Name Next Inspection Date Inspection Date Inspection Date Inspection Date Inspection Date Inspection Cycle (Default) (months) Department Comments OTHER ACTION Department Comments Department Comments Previous Assistant's Name Inspection Date Inspection Date Inspection Date Inspection Cycle (Default) (months) Department Comments OTHER ACTION Department Comments Department Comments Previous Assistant's Name Inspection Date Inspection Date Inspection Cycle (Default) (months) Department Comments OTHER ACTION Department Comments OTHER ACTION Department Comments Department Comments	INSTALL CONCRETE COLLAR/CUTO	OFF							
OTHER ACTION OTHER ACTION Image: Control of the proposed Long-Term Strategy Sufficiency Rating (Last/Now) (%) 88.9/66.7 (%) Sufficiency Rating (Last/Now) (%) 80.5/68.5 Est. Repl. Yr 2028	REPAIR SEAMS								
OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Searry Roberts Reviewed By Previous Inspection Date 16-Mar-2014 Inspection Date Sufficiency Rating (Last/Now) 80.5/68.5 Est. Repl. Yr 2028 Maint. Reqd. (Y/N) No Department Comments Date Estimated Total 0 Previous Assistant's Name Previous Inspection Date 16-Mar-2014 Previous Inspection Date Inspection Cycle (Default) (months) 21	OTHER ACTION								
Structural Condition Rating (Last/Now) 88.9/66.7 Sufficiency Rating (Last/Now) 80.5/68.5 Est. Repl. Yr 2028 Maint. Reqd. (Y/N) No (%) Special Comments for Next Inspection Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 16-Mar-2014 Previous Inspection Date 07-Oct-2010 Inspection Cycle (Default) (months) 21	OTHER ACTION								
Structural Condition Rating (Last/Now) (%) 88.9/66.7 Sufficiency Rating (Last/Now) (%) 80.5/68.5 Est. Repl. Yr 2028 Maint. Reqd. (Y/N) No Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Sarry Roberts Previous Inspection Date Inspection Cycle (Default) (months) 2028 Maint. Reqd. (Y/N) No Popartment Comments Date Estimated Total O Previous Assistant's Name O7-Oct-2010 O7-Oct-2010	OTHER ACTION								
Comments for Next Inspection	OTHER ACTION								
Comments for Next Inspection Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Inspection Date 16-Mar-2014 Inspection Cycle (Default) (months) Previous Inspection Date 17-Oct-2010 Previous Inspection Date 18-Mar-2014 Previous Inspection Date 19-Oct-2010 Previous Inspection Date 10-Oct-2010	Structural Condition Rating (Last/No. (%)	ow) 88.9/66	Sufficiency Rating (La (%)	st/Now) 80.5/68.5	Est. Repl. Yr	2028	Maint. Re	qd. (Y/N)	No
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 16-Mar-2014 Previous Inspection Date O7-Oct-2010 Inspection Cycle (Default) (months) 21	Comments for			Department Comments					
On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 16-Mar-2014 Previous Inspection Date Or-Oct-2010 Inspection Cycle (Default) (months) 21	Maintenance Reviewed By			Date		E	stimated Tota	1 0	
Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date Inspection Cycle (Default) (months) Previous Inspection Date O7-Oct-2010	Proposed Long-Term Strategy								
Previous Inspector's Name Garry Roberts Previous Assistant's Name Next Inspection Date 16-Mar-2014 Previous Inspection Date 07-Oct-2010 Inspection Cycle (Default) (months) 21	On 3-Year Program (Y/N)								
Next Inspection Date 16-Mar-2014 Previous Inspection Date 07-Oct-2010 Inspection Cycle (Default) (months) 21	Proposed Action								
Inspection Cycle (Default) (months) 21	Previous Inspector's Name	Garry Roberts		Previous Assistant's Name					
Inspection Cycle (Default) (months) 21	Next Inspection Date	16-Mar-2014		Previous Inspection Date	07-Oct-2010				
		21							
	Comment								