					Brida	e Culve	rt Insn	ection						
Bridge File Number 75087 -1 Bridge Culvert			Dillag	e Guive	Form Type			CUL1						
Year Built 1984					Lot No.		4							
Bridge or Town Name CLARESHOLM						Inspector Name				Garry Roberts				
Located Over							Inspector Class		BR CLS A					
		ST					Assistant Name		DIX 020 /X					
Located On		520:02	C1 12.423	2.423			Assistant Class							
Water Body Cl./							Inspection Date		21-May-2010					
Navigabil. Cl./Y							Data Entry By		Erin Roberts					
Legal Land Loc	ation	SW SE	C 1 TWP 12 R	GE 30 W4	М		Data Entry Date		15-Jul-2010					
Longitude, Latit	ude		:24, 49:57:47				Reviewer Name		Tom Carey					
Road Authority		Alberta	Transportation	ransportation (AIT)				Review Date		02-Jun-2010				
Contract Main.		CMA26						Dept. Reviewer Name						
Clear Roadway/Skew 9 / -35 deg							Dept. Review Date		23-Jul-2010					
AADT/Year 130 / 2009						Follow-Up By								
Road Classification RLU-2070		7G-60												
Detour Length (10												
Bridge Culvert		ation	4											
Number of Culv			1	D: /	.	_				0 5 "	DI (OL 1			
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2400		MP		40		68X13		ROUND		
Special Feature										,				
Special Feature		ment												
					Uti	ilities (L	ocated.	at)						
Utility Attachme	T								ı					
Telephone	s. side	9					Gas		NORT	ΓH 300 m				
Power							Municipal							
Others								Problem (Y/N) No						
Remarks														
				A				ankment nation of	Candi	tion				
Horizontal Alignment					5	5	on cur		Condi	LIOII				
Horizontal Alignment Vertical Alignment					7	7	on car	76						
Roadway Width (m)		8 800	8.800		!									
Roadway Width	(111)		0.000											
Embankment				8	7									
Sideslope (:1)		3.0												
(Height of Cov	ver(m) :	2.2)			ı									
Guardrail (Y/N)		No												
Approach Road / Embankment		nt General Pating		5	5									
Approach Roa	a / Emi	oankme	nt General Rai	ung	Э) J								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion				
Direction			S		SOUTI	H INVER	Γ							
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL											
Headwall					Х	Х								
Collar				Х	Х									
Wingwalls				Х	X									
(Shape:)														
(Griapo :)														

75087 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	<u></u>
Heaving (mm)	60			
Invert Above/Below Stream Bed				
Above/Below (mm)	100			
Scour Protection	1.00	7	7	Debris at the end of the pipe, small branches
(Type : RIP RAP)		, , ,		Dosno at the one of the pipe, email stationes
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
Coodi/Erodion				
Beavers (Y/N)	Yes			upstream 20m
			Τ_	
Upstream End General Rating		7	7	
		Brid	dae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,			, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	21-May-2010			
	1.7 = 3.0			
Special Features				
Special Feature				
(Type:)			_	
Special Feature				
(Type:)				
Roof		5	5	
Measured Rise (mm)	2245			
Measured At Ring No.	3			
Sag (mm)	155			
Percent Sag	6			
Sidewall		5	5	
Measured Span (mm)	2566			
Measured At Ring No.	3			
Deflection (mm)	116			
Percent Deflection	6			
Floor		N	N	Silt and rock covered at D/S 2/3
Bulge (mm)	0	14	1.4	
Measured At Ring No.	-			
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	30	- 1		
Longitudinal Seams		X	Х	
Total No. of Cracked Rings	0	^		
Total No. of Cracked Rings 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		6	5	Minor superficial corrosion on the lower part of the pipe
Corrosion By Soil (Y/N)	No	U	J	iminor supernoidi corresion on the lower part of the pipe
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

Culvert Component (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): Rise (mm): 2400, Type: MP) Fish Passage Adequacy 7 7 Baffle (Type:) X X Waterway Adequacy Icing (Y/N) No Silt & Gravel to 600mm deep Icing (Y/N) No Silting (Y/N) Barrel General Rating 5 5 Downstream End Culvert Component Last Now Explanation of Condition Direction N NORTH INVERT End Treatment (Concrete, Steel, Others, None) X X Headwall X X Collar X X Wingwalls (Shape:) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 100 Invert Above/Below (mm) Scour/Erosion 7 7 Google Richard (Avg. Rock Size(mm): 250) 5 Scour/Erosion 7 7			Bridge	e Cul	vert Barrel
Fish Passage Adequacy	vert Component	Las	ast N	low	Explanation of Condition
Materway Adequacy	e # : 1, Primary Span, Locati	an, Location Code: MAIN, Span (n	(mm):	,	Rise (mm): 2400, Type: MP)
Waterway Adequacy	Passage Adequacy	, 7	7	7	
Waterway Adequacy	le	×	Х	Х	
Icing (Y/N)	oe:)	·			
Icing (Y/N)	erway Adequacy	7	7	6	Silt & Gravel to 600mm deep
Silting (Y/N)		No			·
Drift (Y/N) No		Yes			
Downstream End					
Downstream End			5	5	
Culvert Component Last Now Explanation of Condition Direction N NORTH INVERT End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X Collar X X Wingwalls X X (Shape:) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 100 Invert Above/Below Stream Bed Above/Below (mm) BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type: RIP RAP) (Avg. Rock Size(mm): 250)	.				
Direction					
End Treatment (Concrete, Steel, Others, None) Headwall X X Collar X Wingwalls (Shape: Cutoff Wall X X Bevel End To 7 Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Avg. Rock Size(mm): 250)	·				
Others, None) X X Headwall X X Collar X X Wingwalls X X (Shape:) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 100 Invert Above/Below Stream Bed BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type: RIP RAP) (Avg. Rock Size(mm): 250)					NORTH INVERT
Collar	ers, None)				
Wingwalls X X (Shape:) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 100 Invert Above/Below Stream Bed BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type: RIP RAP) (Avg. Rock Size(mm): 250) Applease of the control of the co	dwall	X	X	Х	
(Shape :) X X Cutoff Wall X X Bevel End 7 7 Heaving (mm) 100 Invert Above/Below Stream Bed BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type : RIP RAP) (Avg. Rock Size(mm) : 250)	ar	X	X	Х	
Cutoff Wall X X Bevel End 7 7 Heaving (mm) 100 Invert Above/Below Stream Bed BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type : RIP RAP) (Avg. Rock Size(mm) : 250) Avg. Rock Size(mm) : 250 Avg. Rock Size(mm) : 250	gwalls	×	X	Χ	
Bevel End 7 7 Heaving (mm) 100 Invert Above/Below Stream Bed BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type: RIP RAP) (Avg. Rock Size(mm): 250)	hape:)				
Heaving (mm) 100 Invert Above/Below Stream Bed BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type: RIP RAP) (Avg. Rock Size(mm): 250)	off Wall	Х	X	Х	
Invert Above/Below Stream Bed BELOW Above/Below (mm) 300 Scour Protection 7 7 (Type: RIP RAP) (Avg. Rock Size(mm): 250)	el End	7	7	7	
Above/Below (mm) 300 Scour Protection 7 7 (Type : RIP RAP) (Avg. Rock Size(mm) : 250)	eaving (mm)	100			
Scour Protection 7 7 (Type: RIP RAP) (Avg. Rock Size(mm): 250)	ert Above/Below Stream Bed	am Bed BELOW			
(Type : RIP RAP) (Avg. Rock Size(mm) : 250)	oove/Below (mm)	300			
(Avg. Rock Size(mm) : 250)	ur Protection	7	7	7	
	ype : RIP RAP)				
Scour/Erosion 7 7	.vg. Rock Size(mm) : 250)	: 250)			
	ur/Erosion	7	7	7	
Beavers (Y/N) Yes beaver evidence downstream	vers (Y/N)	Yes			beaver evidence downstream
Downstream End General Rating 7 7	vnstream End General Ratin	eral Rating 7	7	7	
Structure Usage			Stru	uctur	e Usage
Last Now Explanation of Condition		Las			
Channel (U/S and D/S)	nnel (U/S and D/S)	· · · · · · · · · · · · · · · · · · ·			
Alignment 7 7	nment	7	7	7	
Bank Stability 7 7	k Stability	7	7	7	
HWM (m below Top of Culvert) HWM not visible					HWM not visible
Drift (Y/N) No	,	No			
Channel Bottom Degrading/Aggrading					
Beavers (Y/N) No	vers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)	·	· · · · · · · · · · · · · · · · · · ·			
(Fish Compensation Measure 2 : NONE)	·	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating 7 7	nnel General Rating	g 7	7	7	

		Maintenan	ce Recommendations						
Inspector Recommendations	Year	Inspector Comments	Departmen	nt Comme	nts		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 55.6/5	Sufficiency Rating ((%)	(Last/Now) 67.7/64.6	Es	st. Repl. Yr	2040	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Departmer Comments	nt S					
Maintenance Reviewed By			Date			E	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tim Davies		Previous Assistant's N	lame					
Next Inspection Date	21-Aug-2013		Previous Inspection D	ate	15-Jan-2007				
Inspection Cycle (Default) (months)	39		<u> </u>						
Comment									