					Brido	ie Culve	ert Insn	ection					
Bridge File Number 73051 -1 Bridge Culvert					Ende	je curv	Form Type			CUL1			
Year Built 1978			agoo				Lot No.			4			
			STRATHMORE										
								Inspector Name Jon Davies Inspector Class BR CLS B					
			0.843;1:14 R1					Assistant Name					
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year					Inspection Date				16-Feb-2012				
			C 11 TWP 24 R	GE 24 W	4M		Data Entry By			Lauren Korte			
							Data Entry Date			18-Mar-2012			
-								ver Name		Garry Roberts			
-		CMA30						Review Date 27-Feb-2012					
		25 / 15						Dept. Reviewer Name Tim Davies					
AADT/Year	<i>J.</i>		2010 (A)				Dept. Review Date			22-Mar-2012			
Road Classific	ation		12.4-120							22-1VIQI-2012			
Detour Length	(km)	1					Follow-Up By						
Bridge Culver		nation											
Number of Cul			1										
Pipe #	Barrel			Rise (or	or Dia.) Typ		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		2795	1771		RPP		63		152X51	4.0	PIPE ARCH	
Special Featur	es												
Special Featur	es Com	ment											
					Ut	ilities (L	ocated	at)					
Utility Attachm							_		I				
Telephone		ditch.					Gas						
Power			of c.l 7 wire.				Municipal						
Others		-	orth RW & Sou				Proble	m (Y/N)	No				
Remarks	3 wire	power of culve	crosses road 20 rt.	) m									
				A	proa	ch Road	d / Emb	ankment					
					Last	Now	Explanation of Condition						
Horizontal Alig	nment				7	7	Field crossing/median crossing at pipe. Hwy 21 600 m West.						
Vertical Alignment				7	7	Hill 25	om West	0 m vv & 200r	rest. n East.				
Roadway Width (m)			25.000										
Embankment			·		7	7							
Sideslope (:1) 4.0													
(Height of Co	over(m)	1.8)											
Guardrail (Y/N) No													
Approach Ro	ad / Eml	bankme	nt General Rat	ing	7	7							
						Upstre	l am End	1					
Culvert Comp	onent				Last	Now		nation of	Condi	tion			
Direction			N	North end.									
End Treatmen Others, None)	t (Concr	ete, Stee	el, CONCRETE										
Headwall			5	5	Dama	ge by mov	wer - m	ninor.					
Collar			Х	Х									
Wingwalls			Х	X									
(Shape: )													
Cutoff Wall					Х	X							
							1						

			Unstra	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	Explanation of Condition
Heaving (mm)	0	- '		
Invert Above/Below Stream Bed				
Above/Below (mm)	300	-	_	1 200
Scour Protection		7	7	Large rock 300 + mm place on bevel floor.
(Type : RIP RAP)				Grown in and natural.
(Avg. Rock Size(mm) : <b>300</b> )			Ι_	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
		Brid	dae Cu	lvert Barrel
Culvert Component				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. S			·
Barrel Last Accessible Date	16-Feb-2012		,	Grout holes in roof North.
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Type:)				
Roof		N	7	Minor bents in roof from construction.
Measured Rise (mm)		IN.		INITION Dents in 1001 from construction.
Measured At Ring No.				Estimate.
Sag (mm)	66			Latinate.
	4			
Percent Sag	4	N.		
Sidewall	0070	N	7	
Measured Span (mm)	2276			Inward.
Measured At Ring No.	10			
Deflection (mm)	19			
Percent Deflection	0			
Floor	T.	N	N	Floor is ice covered.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	7	
Separation (mm)	0			
Longitudinal Seams		N	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		N	6	Staining at bolt holes at roof.
Corrosion By Soil (Y/N)	Yes	1,		Superficial corrosion at Waterline.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bric	lge Cu	lvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 2795	, Rise (mm): 1771, Type: RPP)				
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							
Barrel General Rating		N	7					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S		South end.				
End Treatment (Concrete, Steel, CONCRETE Others, None)								
Headwall		7	7					
Collar		7	7					
Wingwalls			Х					
(Shape: )								
Cutoff Wall		N	N	Submerged.				
Bevel End			7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	250							
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : <b>300</b> )								
Scour/Erosion		7	7					
Beavers (Y/N)	No		1					
Downstream End General Ratir	ng	N	7					
		s	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		8	8					
Bank Stability		8	8	Check structure 50m D/S. Irrigation turnout 30m D/S.				
HWM (m below Top of Culvert)	0.8			No visible HWM.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	NONE							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		8	8					

73051 -1 Bridge Culvert

		Maintona	nce Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Cor	nments	Target Year	Est. Cost	Cat a
SHOTCRETE REPAIRS	i cai	mapector Comments	Department Cor	IIIIGIIIG	raiget real	L31. 0031	Oat n
PLACE ADDITIONAL RIP RAP							+
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	<b>a</b>						
INSTALL STRUTS							_
INSTALL CONCRETE COLLAR/CUT	OFF						_
REPAIR SEAMS	_						
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N	low) 55.6/77	7.8 Sufficiency Rating (%)	(Last/Now) 62.5/74.8	Est. Repl. Yr 20	Maint. Re	qd. (Y/N)	No
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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	16-Nov-2013		Previous Inspection Date	17-Aug-2010			
Inspection Cycle (Default) (months)	21						