Bridge Culvert Inspection													
Bridge File Nur	nber	81936 -	1 Bridge Culve	rt						CULE			
Year Built		2001					Lot No.		4				
Bridge or Town	Name	3OW LAKE				Inspec	tor Name		Brian Pientsch				
Located Over							Inspector Class			BR CLS A			
Located On 58:04 C			21 30.927				Assistant Name			Clem Guenette	Э		
Water Body Cl./Year								ant Class					
Navigabil. Cl./Year							Inspec	tion Date		11-Jan-2012			
			C 29 TWP 110	RGE 6 W	′6M		Data E	ntry By		Theresa Lacus	sta		
			3:15, 58:34:46				Data E	ntry Date		04-Mar-2012			
			Transportation	(AIT)			Reviev	ver Name		Eric Carcoux			
Contract Main. Area CMA01							Reviev	v Date		26-Feb-2012			
Clear Roadway	Clear Roadway/Skew 14.6 /						Dept. F	Reviewer Na	me	David Morrisor	า		
AADT/Year		740 / 20	011 (A)				Dept. F	Review Date	•	30-Mar-2012			
Road Classifica	ation	RAU-21	11.8-110				Follow	-Up By					
Detour Length	(km)	999											
Bridge Culver	t Inform	nation											
Number of Culv	verts		2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1800		MP		32		125X26	2.8	ROUND	
1	D/S		-	2000		MP		4.4		125X26	2.8	ROUND	
2	MAIN		-	1800		MP		32		125X26	2.8	ROUND	
2	D/S	-		2000		MP		4.4		125X26		ROUND	
Special Feature	es												
Special Feature	es Com	ment											
	onto				Uti	ilities (L	ocated	at)					
Utility Attachme	N r/w						Gas						
Telephone Power		e -7 wire						nol					
Others	IN SILL						Municipal Problem (Y/N) No						
Remarks									0				
Remains				A	oproad	ch Road	l / Fmb	ankment					
					Last	Now		nation of Co	ondi	tion			
Horizontal Aligi	nment				8	8	8.5m berm on both sides.						
Vertical Alignm					8	8							
Roadway Widtl	n (m)		15.000										
Embankment					8	8							
Sideslope (:1)		6.0										
(Height of Co	· · ·	: 1)					1						
Guardrail (Y/N)		,	No										
Approach Roa	ad / Eml	bankme	nt General Rat	ing	8	8							
						Upstre	am End						
Culvert Comp	onent				Last			nation of Co	ondi	tion			
(Pipe # : 1, Sp		e: Prima	ary Span)			,							
Direction			· · ·		N		West p	oipe					
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL										
Headwall			1		Х	Х							
Collar					X	Х							
							1						

		1	Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	y Span)	1		
Wingwalls		X	X	
(Shape :)		-		
Cutoff Wall		X	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			_
Above/Below (mm)	200			
Scour Protection	·	8	N	Snow covered.
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date	26-Aug-2008			West culvert-viewed 4m from u.s end.
Special Features		1		
Special Feature				
(Type:)				-
Special Feature				
(Type :)		1	-	
Roof	1	8	8	(Roof est.02/11/13)
Measured Rise (mm)				
Measured At Ring No.				0.95m ice to crown
Sag (mm)	10			-
Percent Sag				
Sidewall		8	8	(Ice to just below springline13-Nov-2002)
Measured Span (mm)	1786			-
Measured At Ring No.				-
Deflection (mm)	14			-
Percent Deflection			• •	
Floor		N	N	-
Bulge (mm)				-
Measured At Ring No.	Na			-
Abrasion (Y/N)	No		• •	
Circumferential Seams		N	N	-
Separation (mm)	50			
Longitudinal Seams		N	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)				

		Brid	lge Cu	Ivert Barrel					
Culvert Component		Last Now							
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Spa	n (mm):	, Rise (mm): 1800, Type: MP)					
Coating		N	N						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	Yes			0.8m u/s and 1.2m d/s.					
Fish Passage Adequacy		8	8						
Baffle		Х	X						
(Type:)									
Waterway Adequacy		8	8	(Icing to 0.2m from crown18-Jan-2007)					
Icing (Y/N)	Yes								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating	110	N	N	GR 8 - 13-Nov-2002					
Barrei General Kating									
				Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	ation Code: D/S, Span	<u>(mm):</u>	,	Rise (mm): 2000, Type: MP)					
Barrel Last Accessible Date	26-Aug-2008			Viewed from ends-water ponding/icing approx 1m. Shape looks good.					
Special Features									
Special Feature									
(Type:)		1							
Special Feature									
(Type :)		1							
Roof		8	8						
Measured Rise (mm)		0	0						
Measured At Ring No.									
Sag (mm)				-					
Percent Sag									
Sidewall		8	8						
Measured Span (mm)				-					
Measured At Ring No.				-					
Deflection (mm)				-					
Percent Deflection									
Floor	-	N	N						
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		N	N						
Separation (mm)									
Longitudinal Seams		X	Х						
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)				1					
Longitudinal Stagger (Y/N)									

		Brid	dae Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: D/S, Span			Rise (mm): 2000, Type: MP)
Coating	<i>.</i>	N	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			Approx 1m.
Fish Passage Adequacy		8	8	
Baffle		Х	Х	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	g	N	8	
		D	ownstr	ream End
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Span Type: Primary	v Span)			
Direction		S		(West pipe)
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		8	N	Under water, ice, snow
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	230			
Scour Protection		8	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	N	Snow covered
Beavers (Y/N)	No			
Downstream End General Ratir	ng	8	8	GR carried fwd.
			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		N		East pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	

	Last		am End Explanation of Condition
ary Span)			
· · /	Х	Х	
(Shape :) Cutoff Wall			
	8	8	
0			
BELOW			
400		1	
	8	N	Snow covered
	8	8	
No			
	8	8	
	Brid	dae Cu	Ivert Barrel
			Explanation of Condition
cation Code: MAIN. S		-	, Rise (mm): 1800, Type: MP)
26-Aug-2008			East pipe. Viewed from ends, only accessed until 4m from u/s due to ice level. Water 0.8m ponding. Viewed from ends, shape appears good.
	1		
	8	8	(Roof est. 02/11/13)
10			
-			
	8	8	
1786			
			1
14			1
			1
	N	N	0.95m ice to crown
No			
	N	N	
50		14	
	X	X	
	^	^	
	BELOW 400 No Cation Code: MAIN, S	ary Span) X x X	ary Span)XXXXXXXXXXXXXXXXXXXXXXS80XXX

		Brid	dqe Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, L	ocation Code: MAIN	, Span (r	nm):	, Rise (mm): 1800, Type: MP)
Coating		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			0.8m ponding
Fish Passage Adequacy		8	8	
Baffle		X	X	
(Type:)				
Waterway Adequacy		8	8	(Icing to 0.6 from crown18-Jan-2007)
Icing (Y/N)	Yes			Ice at cl of pipe-viewed from ends.
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating	110	N	N	GR 8 - 13-Nov -2002
Barrer General Kating				
Culvert Component			dge Cu Now	Ivert Barrel Explanation of Condition
(Pipe # : 2, Secondary Span, L	ocation Code: D/S		-	, Rise (mm): 2000, Type: MP)
		span (m	<u></u>	
Barrel Last Accessible Date	26-Aug-2008			Viewed from ends-water, ice, 1m deep. Shape looks good.
Special Features			1	
Special Feature				
(Type :)				-
Special Feature				
(Туре :)				
Roof		8	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		8	8	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		X	Х	
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)				

		Brid	dae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: D/S, S		-	, Rise (mm): 2000, Type: MP)
Coating		N	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			Approx 1m
Fish Passage Adequacy		8	8	
Baffle		x	Х	
(Туре :)				
Waterway Adequacy		8	8	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratir	ig	N	8	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		S		(East pipe)
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End		8	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			Under water, ice, snow
Above/Below (mm)	230			
Scour Protection		8	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	N	snow covered
Beavers (Y/N)	No			
Downstream End General Ration	ng	8	8	GR carried forward from 26-Aug-2008.
		S	structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
				90 degree bend to u/s side.
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			

Structure Usage									
		Last	Now	Explanation of Condition					
Channel Bottom Degrading/Aggrading				Stable					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			7						

Maintenance Recommendations													
Inspector Recommendations		Year	Inspector Comments		Department Comm	nents		Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTO	FF												
REPAIR SEAMS													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			9 Sufficiency Rating (Last/N (%)	Sufficiency Rating (Last/Now) (%)		Est. Repl. Yr 2048		Maint. Reqd. (Y/N)		No			
Special Comments for Next Inspection					Department Comments								
Maintenance Reviewed By					Date		E	Estimated Total	0				
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Brian F	Pientsch		Previous /	Assistant's Name	na							
Next Inspection Date	11-Oct	-2013		Previous I	ious Inspection Date 28-May-2010								
Inspection Cycle (Default) (months)	21												
Comment													