Bridge Culvert Inspection													
Bridge File Num	nber	81733 -1 Bridge Culvert				Form Type		С	CULM				
Year Built 1991						Lot No.		4	4				
Bridge or Town Name								Inspector Name		Russel Vanderschaaf			
Located Over WATERO						Inspector Class		В	BR CLS B				
							Assista	nt Name					
Water Body Cl./Year							Assistant Class						
Navigabil. Cl./Year							Inspection Date		20	6-Aug-2012			
Legal Land Location SW SEC 22 TWP 84 RG				GE 12 W	E 12 W6M			Data Entry By		Theresa Lacusta			
								Data Entry Date 25-Sep-2012					
Road Authority							· ·			Eric Carcoux			
Contract Main.	Area	CMA04		,			Review Date			24-Sep-2012			
Clear Roadway			deg. (RHF)					Dept. Reviewer Name Steve Pasquan			n		
AADT/Year		160 / 20						Review Date		7-Jan-2013			
Road Classifica	ition	RCU-20					Follow-						
Detour Length (3					- 0011	op D,					
Bridge Culvert							1						
Number of Culv			2										
	Barrel		Span	Rise (or I	Dia.)	Туре		Length	С	orr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	1200		MP		35	6	5X13	2.8	ROUND	
2	MAIN		-	1200		MP		35		5X13	2.8	ROUND	
Special Feature							35				1	11100111	
Special Feature		ment											
openia reatare													
					Uti	lities (L	ocated	at)					
Utility Attachme	nts												
Telephone West r/w 15m from c/l.						Gas							
Power	1 wire	East r/v	v 15m from c/l.				Municip	oal					
Others							Probler	m (Y/N) No	0				
Remarks													
				Ap	-		1	ankment					
							Explanation of Condition						
Horizontal Align					7	7	Slight crest curve to South.						
Vertical Alignme					7	7							
Roadway Width	ı (m)		10.100										
Embankment					8	8							
Sideslope (:1)		5.0										
(Height of Co		2)											
Guardrail (Y/N)	- ()		No										
Approach Roa	d / Emi	oankme	nt General Rat	ing	7	7							
						Haatra	om End						
Culvert Compo	nen t						am End	ation of Co	nditio	n			
(Pipe # : 1, Spa		3.)			Lasi	INOW	LAPIAII	ation of Co	mantio	'11			
Direction	ин тур	<i>,</i>			W		South	nine					
End Treatment (Concrete, Steel, STEEL Others, None)		VV			0.7 + 0.8m fr	rom cr	owns.						
Headwall		Х	Х										
Collar			Х	X									
Wingwalls					Х	X							
(Shape:)						-							
(

81733 -1 Bridge Culvert

			Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Span Type:)								
Cutoff Wall			Х					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200							
Scour Protection		4	4	1.5 long x 0.5 wide x 0.5m deep scour along South side of bevel.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		4	4	Scour along South side of bevel.				
Beavers (Y/N)	No							
Upstream End General Rating		4	4					
		Brid		lvert Barrel				
Culvert Component		Last	Now					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	n):	, Rise (mm): 1200, Type: MP)				
Barrel Last Accessible Date				Too much water & silt to enter barrel.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		3	3	Viewed from ends. Barrel appears to have excessive deflections				
Measured Rise (mm)				near c/l with flattening of the roof.				
Measured At Ring No.								
Sag (mm)								
Percent Sag			_					
Sidewall	I	3	3	Viewed from ends. Deflection appears to be in the 10-15% range.				
Measured Span (mm)				_				
Measured At Ring No.								
Deflection (mm)								
Percent Deflection								
Floor	1	N	N	Too much silt & water to view.				
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)			1					
Circumferential Seams	ı	N	N					
Separation (mm)								
Longitudinal Seams	I	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		N	X					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							

81733 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel				
Culvert Component			About 200mm at D/S end. 5					
(Pipe #: 1, Primary Span, Location Code: MAIN, Spa			ı):	, Rise (mm): 1200, Type: MP)				
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N) Yes				About 200mm at D/S end.				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		4	4	Pipes flows full.				
Icing (Y/N) No								
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	3					
		Brid						
Culvert Component								
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)				
Barrel Last Accessible Date				Too much silt & water to enter.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		3	3	Viewed from ends. Barrel appears to have excessive deflections with				
Measured Rise (mm)				liattening of the roof hear c/l.				
Measured At Ring No.								
Sag (mm)								
Percent Sag								
Sidewall		3	3	Viewed from ends. Deflections appear to be in the 10-15% range.				
Measured Span (mm)				_				
Measured At Ring No.								
Deflection (mm)								
Percent Deflection								
Floor		N	N	Too much silt & water to view.				
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		N	N					
Separation (mm)			_					
Longitudinal Seams		Х	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		N	N					
Corrosion By Soil (Y/N)								
Corrosion By Water (V/N)	II.							

		Bric	lge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 1200, Type: MP)				
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	Yes			About 200mm at D/S end.				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)		1						
Waterway Adequacy	T	4	4	Pipe flows full.				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	3					
Culvert Component		Last	Now	eam End Explanation of Condition				
(Pipe # : 2, Span Type:		Lasi	INOW	Explanation of Condition				
Direction		Е		Water 0 Fm from groups				
End Treatment (Concrete, Steel,	CTEEL	<u></u>		Water 0.5m from crowns				
Others, None)	SIEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm) 300								
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		6	6	Makes 90 degree bend U/S.				
Bank Stability		7	7					
HWM (m below Top of Culvert)	0.1			Staining near crown at U/S end. Would flow full at c/l.				
Drift (Y/N)	Yes			Beaver cuttings & deadfall.				
Channel Bottom Degrading/Aggrading	NONE			Heavy beaver activity D/S.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							

Structure Usage								
Last Now Explanation of Condition								
Channel General Rating		6						

		Mai	intenance Recommer	ndations					
Inspector Recommendations	Year Inspector Comments			Department Comr	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS		-							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 33.3/33	.3 Sufficiency F	Rating (Last/Now)	44.9/44.9	Est. Repl. Yr	2021 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection Assessment complete Monitor barrel shape	eted in 2009. e.			Department Comments					
Maintenance Reviewed By				Date		Е	stimated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name Kris Bosters			Previou	Previous Assistant's Name					
Next Inspection Date	26-Nov-2015		Previou	s Inspection Date	28-Jul-2009				
Inspection Cycle (Default) (months)	39								
Comment									