Bridge Culvert Inspection													
Bridge File Number 77516 -1 Bridge Culvert								CULM					
Year Built		1985					Lot No	•••		4			
Bridge or Town	Name							or Name		Brian Pientsch			
Located Over							· · · · · · · · · · · · · · · · · · ·	tor Class		BR CLS A			
		8.10.18	.10.18.12.14, WATERCRS-ST					Int Name		Clem Guenette			
Located On	C1 25.521					int Class							
Water Body Cl.										11-Jun-2012			
Navigabil. Cl./Y						ntry By		Theresa Lacusta					
			C 16 TWP 84 R	М		Data Entry Date			16-Oct-2012				
								er Name		Eric Carcoux			
			Transportation	(AIT)			Review	Review Date		08-Oct-2012			
Contract Main. Area CMA02			<u>.</u>				Dept. F	Reviewer	Name	Steve Pasqua	n		
Clear Roadway	//Skew	12/					· · ·	Review Da	ate	07-Jan-2013			
Road Classifica	ation	760 / 20	12.0-110				Follow	Up By					
Detour Length		15	12.0-110				-						
Bridge Culver	· · · · · · · · · · · · · · · · · · ·	1											
Number of Culv			3										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1200		MP		22		68X13	2.8	ROUND	
2	MAIN		-	1200		MP		22		68X13	2.8	ROUND	
3	MAIN		-	1200		MP		22		68X13	2.8	ROUND	
Special Feature	es											· ·	
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone							Gas						
Power	7 wire	e 30m west					Municipal						
Others							Problem (Y/N) No						
Remarks	Sign (C.P. D27	′1 @ W side.										
				A	oproa			ankment					
					Last	Now	i •	ation of					
Horizontal Alig					7	7	Approach 100m north on curve east. Superelevated.						
Vertical Alignm	ent				8	8							
Roadway Width	n (m)		10.200										
Embankment					6	6							
Sideslope (_:1)		6.0										
(Height of Co	ver(m)	: 1.7)											
Guardrail (Y/N)			No										
Approach Roa	d / Eml	bankme	nt General Rati	ing	7	7							
						Upstre	am End						
Culvert Comp					Last	Now	Explan	ation of	Condi	tion			
(Pipe # : 1, Sp	an Typ	e:)											
Direction					E		South	culvert					
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall					Х	X							
Collar					Х	Х							

Upstream End									
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Span Type:)									
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall		Х	Х						
Bevel End		5	5						
Heaving (mm)	100								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	500								
Scour Protection		4	4	1.5m x 0.2 x 0.2 on either side of the culvert behind the bevel.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 150)									
Scour/Erosion		4	4	Scoured 500mm below invert					
Beavers (Y/N)	No								
Upstream End General Rating	1	4	4						
		Brid	dae Cu	lvert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. Spa			, Rise (mm): 1200, Type: MP)					
Barrel Last Accessible Date		•		Culvert appears full 7m from the u/s end. Viewed from ends, shape and condition appear adequate. 500mm from crown. Approx 7m from u/s end.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		N	N						
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)									
Percent Sag									
Sidewall		N	N						
Measured Span (mm)									
Measured At Ring No.									
Deflection (mm)									
Percent Deflection									
Floor	I	N	N						
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		N	N						
Separation (mm)									
Longitudinal Seams	I	Х	Х						
Total No. of Cracked Rings		~	~						
Total No. of Rings with Two Cracked Seams									
Cracked Seams Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)									
Longitudinal Stagger (Y/N)									
	1								

Bridge Inspection & Maintenance System (Web 2005)

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Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Spa	ın (mm)):	, Rise (mm): 1200, Type: MP)						
Coating		4	4	Pitting rust lower 1/2-viewed from ends.						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N) No										
Fish Passage Adequacy		7	7							
Baffle		X	Х							
(Туре :)										
Waterway Adequacy		4	4	Almost full at the center						
Icing (Y/N)	No									
Silting (Y/N)	No			05/05/15						
Drift (Y/N)	No									
Barrel General Rating		N	N	GR 5 - date unknown						
		Bric	ae Cu	lvert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, L	ocation Code: MAIN, S			, Rise (mm): 1200, Type: MP)						
Barrel Last Accessible Date				Culvert looks full 7m from the U/S end. Viewed from ends, shape and condition appear adequate						
Special Features										
Special Feature										
(Туре :)										
Special Feature										
(Type:)										
Roof		N	N							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall		N	N							
Measured Span (mm)			1							
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		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)										

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77516 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, L	ocation Code: MAIN,	, Span (r	nm):	, Rise (mm): 1200, Type: MP)					
Coating		N	N						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)									
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								
Fish Passage Adequacy		7	7						
Baffle		X	Х						
(Туре :)									
Waterway Adequacy		4	4	Full at the center					
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	N	GR 5 date unknown.					
		Brid	dae Cu	lvert Barrel					
Culvert Component		1	Now	Explanation of Condition					
(Pipe # : 3, Secondary Span, L	ocation Code: MAIN.			, Rise (mm): 1200, Type: MP)					
Barrel Last Accessible Date				Culvert almost full at centrer of barrel. Viewed from ends, shape and condition appears adequate					
Special Features									
Special Feature									
(Туре :)									
Special Feature									
(Туре :)									
Roof		N	N						
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)									
Percent Sag									
Sidewall		N	N						
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		Х	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)									

Bridge Inspection & Maintenance System (Web 2005)

77516 -1 Bridge Culvert

		Brid	dae Cu	Ivert Barrel
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN,			, Rise (mm): 1200, Type: MP)
Coating		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy	Fish Passage Adequacy			
Baffle		X	Х	
(Type:)			-	
Waterway Adequacy		4	4	Full at the center
Icing (Y/N)	No			
Silting (Y/N)	No			05/05/15
Drift (Y/N)	No			
Barrel General Rating		N	N	GR 5 date unknown.
		D	ownstr	ream End
Culvert Component		Last	1	Explanation of Condition
(Pipe # : 1, Span Type:)	·			
Direction		W		South culvert
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar			Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		5	5	Unsupported for 1.5m
Heaving (mm)	50			Bevel end under water.
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	420			
Scour Protection		4	4	Scour 400mm wide by 1.5m long beside bevels
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)			-	
Scour/Erosion		4	4	Scoured 420mm below invert
Beavers (Y/N)	No			
Downstream End General Ration	ng	4	4	
				re Usage
Channel (U/S and D/S)		Last	Now	Explanation of Condition
Channel (U/S and D/S) Alignment		5	5	90 degree bend d/s.
Alignment		5	5	90 degree bend d/s.
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			5 of 7

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Structure Usage								
		Last	Now	Explanation of Condition				
Channel Bottom Degrading/Aggrading	DEGRADING			At u/s channel				
Beavers (Y/N)	No							
(Fish Compensation Measure 1	NONE)							
(Fish Compensation Measure 2	NONE)							
Channel General Rating		5	5					

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LININ	3											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUT	OFF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/I (%)	low)	55.6/55.	6 Sufficiency Rating (Last/No (%)	ow) 4	49.5/48.8	Est. Repl. Yr 2030		Maint. Re	qd. (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 Lisbeth Medina			a					
Next Inspection Date	11-Ma	r-2014		Previous I	ous Inspection Date 04-Aug-2010							
Inspection Cycle (Default) (months)	21		·									
Comment												