Bridge Culvert Inspection													
Bridge File Nur	nber	86171 -1	I Bridge Culver		- Teg	o ourve			CULM				
Year Built		1988		<u> </u>			Lot No.		1				
Bridge or Town	Name	1000						or Name		Brian Pientsch			
Located Over	Hamo	WATER	COURSE, WA	TERCRS-	NI		· ·	or Class		BR CLS A			
Located On			C1 14.072					nt Name		Clem Guenette			
Water Body Cl./Year							Assistant Class		BR CLS B				
Navigabil. Cl./Year							Inspection Date		19-Mar-2013				
Legal Land Location NW SEC 5 TWP 93 RGE 21 W5					М		Data Entry By		Theresa Lacus	eta			
Longitude, Latitude -117:21:23, 57:02:2								Data Entry Date		09-Apr-2013			
			Fransportation	(AIT)			Reviewer Name		Eric Carcoux				
Contract Main.		CMA04	ranoportation	(,)					08-Apr-2013				
Clear Roadway		8 / 0 deg	 1.					Dept. Reviewer Name					
AADT/Year	70.1011	120 / 20						eview Date					
Road Classifica	ation	RCU-20					Follow-l						
Detour Length		999						~F -)					
Bridge Culvert	` '									<u> </u>			
Number of Culv			 2										
Pipe #	Barrel		Span	Rise (or D	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	-		1200		MP		33		68X13	2.8	ROUND	
2	MAIN	-		1200		MP		33		68X13	2.8	ROUND	
Special Feature	es		-			'							
Special Feature		ment											
·													
					Uti	ilities (L	ocated	at)					
Utility Attachme													
Telephone	W. r o	f w					Gas						
Power	2 wire	OH W. r	of w				Municip						
Others							Problem	n (Y/N) N	lo				
Remarks				_									
							d / Emba	inkment ation of Co	o m ali	tion			
Horizontal Aligr	mont				7	7		ch 30m No		tion			
Vertical Alignm					8	8	Дрргоас	11					
Roadway Width			8.000		0	0							
Toadway Widti	1 (111)		0.000										
Embankment					7	7							
Sideslope (_:1)		4.0										
(Height of Co	ver(m):	2)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	oankmen	t General Rati	ng	7	7							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explana	ation of Co	ondi	tion			
(Pipe # : 1, Sp	an Type	e: Primar	y Span)										
Direction					W		South b	arrel					
End Treatment Others, None)	(Concre	ete, Steel	, STEEL			_							
Headwall					Χ	X							
Collar				Х	Х								
Wingwalls					Х	Х							
(Shape:)	(Shape:)												

86171 -1 Bridge Culvert

			Unstre	am End
Culvert Component				Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	Luot	11011	Explanation of Condition
Cutoff Wall	, 	Х	X	
Cuton vian				
Bevel End		5	N	Snow covered.
Heaving (mm)	50			
Invert Above/Below Stream Bed BELOW				
Above/Below (mm) 300				
Scour Protection	Scour Protection		N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		5	N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		5	5	GR carried fwd.
		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	19-Mar-2013	,		South Pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		4	2	200mm dent in crown at inlet.
Measured Rise (mm)	931			
Measured At Ring No.				near cl
Sag (mm)	269			
Percent Sag	22			
Sidewall		4	2	Center ring onlt ring with major deflection.
Measured Span (mm)	1433			near cl
Measured At Ring No.				
Deflection (mm)	233			
Percent Deflection	19			
Floor		6	6	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)			_	
Circumferential Seams	170	6	5	
Separation (mm)	170			
Longitudinal Seams		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	I	6	6	Minor superficial rust 3-9 o`clock.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

		Brid	dae Cu	Ivert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Local	tion Code: MAIN, Spa	ın (mm		, Rise (mm): 1200, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		5	5	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	2	
				ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	Span)			
Direction		E		South pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			Х	
Wingwalls			X	
(Shape:)				
Cutoff Wall			Х	
Bevel End			N	Snow covered.
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection			N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion			N	Snow covered.
Beavers (Y/N)	No		1	
Downstream End General Ratin	ıg		N	
Culvert Common on t				am End
Culvert Component	long Span)	Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)	101		Month win a
End Treatment (Concrete, Steel,	STEEL	W		North pipe
Others, None) Headwall			Х	
Collar			X	
Wingwalls			X	
(Shape:)				
Cutoff Wall			X	

			Unctro	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Snan\	Lasi	INOM	Explanation of Condition
Bevel End	ary Spari)		N	Snow covered.
Heaving (mm)	50		IN	Show covered.
Invert Above/Below Stream Bed BELOW				-
Above/Below (mm)	300		l NI	Charles and
Scour Protection			N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)			l NI	Casu assert
Scour/Erosion			N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating			N	
		Brid	dge Cu	Ivert Barrel
Culvert Component		_		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,			, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date	19-Mar-2013			North pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		4	2	
Measured Rise (mm)	860	'		-
Measured At Ring No.				near cl
Sag (mm)	340			
Percent Sag	28			
Sidewall	120	4	2	Rings 2,3, & 4 have major deflections.
Measured Span (mm)	1475	<u> </u>		
Measured At Ring No.	1470			near cl
Deflection (mm)	275			
Percent Deflection	23			
Floor		6	6	
Bulge (mm)		J	U	
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	5	
Separation (mm)	140			-
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)				
Longitudinal Stagger (Y/N) Coating		6	6	Minor superficial rust 3-9 o`clock.
Corrosion By Soil (Y/N)	No	U	U	INITIOI SUPERIIGIAI TUST 3-3 0 GIOOK.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dae Cu	Ivert Barrel
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S			, Rise (mm): 1200, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		5	5	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	2	
		D	ownstr	ream End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction	<u>, , , , , , , , , , , , , , , , , , , </u>	Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		5	N	Snow covered.
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		5	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)			1	
Scour/Erosion		5	N	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	5	5	GR carried fwd.
				re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	5	
				Water turns 90 degrees @ u/s end.
Bank Stability			7	
HWM (m below Top of Culvert)	0.5			0.5m above crown21-Oct-2009
Drift (Y/N)	No			1
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			

Structure Usage								
Last Now Explanation of Condition								
Channel General Rating	7	5						

				Maintenance Recon	nmenda	ations					
Inspector Recommendations			ear	Inspector Comments		Department Comr		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT	ACCUMULATION										
INSTALL CONCR	ETE/STEEL LINING	}									
INSTALL STRUT	S										
INSTALL CONCR	ETE COLLAR/CUT	OFF									
REPAIR SEAMS											
OTHER ACTION		20	13	Replace pipes.							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)			.4/22.2	Sufficiency Rating (Last/Now (%)	ı) 4	8.3/36.7	Est. Repl. Yr	2013	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	27, 2013.			nders and David Morrison by email on Ma	arch	Department Comments					
Maintenance Rev	iewed By					Date		E	stimated Tota	I 0	
Proposed Long-T											
On 3-Year Progra	ım (Y/N)										
Proposed Action											
Previous Inspector's Name Eric C			oux	Pre	Previous Assistant's Name						
Next Inspection D	ate	19-Jun-20)16	Pre	Previous Inspection Date 21-Oct-2009						
	(Default) (months)	39									
Comment	· · · · · · · · · · · · · · · · · · ·										