Bridge Culvert Inspection														
Bridge File Number 73572 -1 Bridge Culvert						Form Type			CUL1					
Year Built 1984							Lot No.			4				
Bridge or Town Name GLEICHEN							Inspector Name			Jon Davies				
Located Over			RIGATION C,	WATERC	RS-IC	;	1	tor Class		BR CLS B				
Located On			25.610;1:14 L <sup>2</sup>			-	Assistant Name							
Water Body CI./	Year	1.111(12	20.010,1.112	1 20.0 11			Assistant Class							
Navigabil. Cl./Year								11-Feb-2012						
			6 TWP 23 RGE 22 W4M				Inspection Date Data Entry By			Lauren Korte				
Longitude, Latitude -113:04:29					Data Entry Date			18-Mar-2012						
							Reviewer Name		Garry Roberts					
Contract Main. Area CMA30			Tansponation			Review Date		27-Feb-2012						
Clear Roadway/Skew 25.4 / -25														
									Dept. Reviewer Name					
AADT/Year		5,940 / 20	· · ·				Dept. Review Date		22-Mar-2012					
Road Classificat			.4-120				Follow-Up By							
Detour Length (k	· · · · · · · · · · · · · · · · · · ·	1												
Bridge Culvert														
Number of Culve		1								O a ma Drasfila		Oh an a		
Pipe # E	Barrel	5	Span	Rise (or I	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1 N	MAIN	4	353	3035		RPE		75.6		152X51		ELLIPSE		
Special Features	S													
Special Features	s Comr	ment												
					114			<b>ct</b> )						
	-4				Ut	littles (L	ocated	at)						
Utility Attachmer	· · · · ·						Gas							
Telephone		and West I		Municipal										
Power		e West ROW and crossing 30 m North.												
Others	Fibre	optic cable at East ROW. Problem (Y/N) No												
Remarks				A				ankment						
					Last	Now				lion				
Horizontal Alignment			<u>6</u>	6	Explanation of Condition Intersection immediately North.									
Horizontal Alignment				7	7	Crest curve to South.								
Roadway Width	Vertical Alignment		26.800			/	Turn out lanes over pipe.							
	(,		20.000				ļ							
Embankment					7	6								
Sideslope (:			4.5				-							
(Height of Cov	er(m) :	2.5)												
Guardrail (Y/N)			Yes											
Approach Road	l / Emb	bankment	t General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	nent				Last	Now		ation of	Condi	tion				
Direction				W		West.								
End Treatment (Concrete, Steel, Others, None)		CONCRETE												
Headwall				7	7	Some narrow cracks-minor.								
Collar			7	7										
Wingwalls	Wingwalls				Х	X								
(Shape : )														
Cutoff Wall				N	N									

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	Upstream End								
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			-					
Above/Below (mm)	400								
Scour Protection		6	5	Minor displacement at NW and SW.					
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 350)			-						
Scour/Erosion		6	5						
Beavers (Y/N)	No								
Upstream End General Rating		6	5						
		Bric	d <u>ge Cu</u>	lvert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	): 4353	, Rise (mm): 3035, Type: RPE)					
Barrel Last Accessible Date	11-Feb-2012								
Special Features	· · · · · · · · · · · · · · · · · · ·								
Special Feature									
(Type : )									
Special Feature									
(Туре : )									
Roof		N	7	Shape looks good.					
Measured Rise (mm)									
Measured At Ring No.				Estimate.					
Sag (mm)	100								
Percent Sag	3								
Sidewall		N	7						
Measured Span (mm)	4394								
Measured At Ring No.	10								
Deflection (mm)	41								
Percent Deflection	1								
Floor		N	N	Ice covered.					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		N	7						
Separation (mm)	0								
Longitudinal Seams		N	7	Seams not visible at lower sidewall and floor.					
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)				3 N stagger at roof center.					
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	No			1					
Coating		N	7	Minor staining at boltholes above waterline.					
Corrosion By Soil (Y/N)	Yes			Minor corrosion at waterline and below.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm							
Fish Passage Adequacy		8	7						
Baffle			Х						
(Type:)									
Waterway Adequacy		7	6						
Icing (Y/N)	No	-	U						
Silting (Y/N)	No			-					
Drift (Y/N)	No								
Barrel General Rating		N	7						
Barrel General Katiliy			· '						
		D	ownsti	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		E		East.					
End Treatment (Concrete, Steel, Others, None)	CONCRETE		-						
Headwall		7	7						
Collar			7						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall			N						
Bevel End		7	7						
Heaving (mm)	0								
	BELOW								
Above/Below (mm)	600								
Scour Protection									
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : <b>300</b> )									
Scour/Erosion		7	6						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	7	6						
			tructu	re Usage					
		Last		Explanation of Condition					
Channel (U/S and D/S)		Laor	nen						
Alignment			6	45 degree bend from NW to inlet.					
Bank Stability			6						
HWM (m below Top of Culvert) 0.8				No visible HWM.					
Drift (Y/N)	No								
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) No				1					
(Fish Compensation Measure 1 :	-								
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·								
Channel General Rating			6						
			J						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		55.6/77.	8 Sufficiency Rating (Last/N (%)	ow) 6	<b>64.3/69.3</b> Est. Repl. Yr 2029		2029	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	Garry I	Roberts		Previous /	vious Assistant's Name							
Next Inspection Date 11-		11-Nov-2013			Previous Inspection Date 16-Jul-2010							
Inspection Cycle (Default) (months) 21												
Comment												