						Brida	e Culve	art Insne	ection					
Bridge File Nur	nher	79720 -1 Bridge Culvert					Bridge Culve			CUL1				
Year Built	•							Form Ty	•	1				
Bridge or Town Name HUSSAR									Jon Davies	·				
							Inspector Name		BR CLS B					
Located Over TRAIL-ANIMAL, OVER SP Located On 56:06 C1 24.574							Inspector Class Assistant Name		DR CLS B					
Located On	N	36.06 (21.24.374											
Water Body Cl./Year							Assistant Class		00 Nov. 0044					
Navigabil. Cl./Y		NE OF	0.40 TMD	04.00	- 40 VA	45.4		Inspection Date			29-Nov-2011			
Legal Land Loc			C 18 TWP		iE 19 W	4IVI		Data Entry By			Alyssa Boynton			
Longitude, Latii									ntry Date		04-Jan-2012			
Road Authority			· ·	,				Reviewer Name			Garry Roberts			
Contract Main.		CMA30)					Review Date		07-Dec-2011				
Clear Roadway	//Skew	10.1 /						Dept. Reviewer Name						
AADT/Year		840 / 2						Dept. Review Date		e 12-Jan-2012				
Road Classifica			11.8-110					Follow-Up By						
Detour Length	` '	8												
Bridge Culver		ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	ı	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-		2200	MP			25	125X26	2.8	ROUND		
Special Feature	es													
Special Feature	es Comi	ment												
Damina d Vant	01	D1	· ()			Ро	sting ii	nformati	on					
Required Vert.				NI -										
Posted Vertical			·	No		,	N//N IN		0.0	O D:1 ()		() (() ()		
Posted: Lane			Bridge (m)		In Adv	ance (Y/N)	La	ane SB	On Bridge (m)	In Adva	nce (Y/N)		
Remarks	Not R	equired												
	.					Uti	lities (L	ocated	at)					
Utility Attachme														
Telephone -	West	ditch						Gas						
Power								Municipal						
Others			ough culve		mm dian	neter		Problen	n (Y/N) N	No				
Remarks	Bell fil	ore option	cable - E	ROW										
					A				nkment					
						Last	Now		ation of C					
Horizontal Alignment			6	6	Curve to	o north wit	h good sight							
Vertical Alignment			8	8	Giotario									
								GHARE	DRAII I OV	N 300 mm TO CEN	00 mm TO CENTRE			
Roadway Width (m) 10.100						JOAKE	21.0 (IL LOV	V COO HIIII TO OLIV	11 \ L					
	. (111)		10.100											
Embankment			7	7										
Sideslope (:1) 4.0														
(Height of Co		1.1)												
Guardrail (Y/N)		,	Yes											
Approach Roa	d / Eml	oankme	nt Genera	I Ratir	ng	6	6							
Culve = C	. m. c 1							am End	ation (C	an ditia				
•			Last	Now	Explan	ation of C	ondition							
						111								
	·					W								
Direction End Treatment Others, None) Headwall	(Concre	ete, Stee	el, NONE			W	X							

Last Now Explanation of Condition X X X X X X X X X				Upstre	am End
Wingwalls	Culvert Component		Last	Now	Explanation of Condition
Shape: Cutoff Wall	Collar		X	X	
Devel End			Х	Х	
Bevel End			I	1	
Heaving (mm)	Cutoff Wall		X	X	
Invert Above/Below (Irm)	Bevel End		Х	Х	
Above/Below (mm) 150 7 7	Heaving (mm)	0			
Scour Protection	Invert Above/Below Stream Bed	BELOW			
(Type : NATURAL)	Above/Below (mm)	150			
(Avg. Rock Siza(mm) :) ScouriFrosion	Scour Protection		7	7	
Scour/Erosion 7 7	(Type : NATURAL)				
Beavers (Y/N)	(Avg. Rock Size(mm):)				
Upstream End General Rating	Scour/Erosion		7	7	
Bridge Culvert Barrel Last Now Explanation of Condition	Beavers (Y/N)	No			
Last Now Explanation of Condition	Upstream End General Rating		7	7	
Last Now Explanation of Condition			Bri.	dae Cu	lvert Barrol
Primary Span, Location Code: MAIN, Span (mm): Rise (mm): 2200, Type: MP)	Culvert Component				
Barrel Last Accessible Date 29-Nov-2011		tion Code: MAIN, Spa			
Special Feature Crype : Decial Feature C			(<i>,</i> .	, ruos (mm). 2200, Typo: mr /
Special Feature Company Compan	Darrer Last Accessible Date	29-1100-2011			
Type : Special Feature	-		1	1	
Special Feature CType:) Roof	Special Feature				
Type :) Roof			1	1	
Roof	Special Feature				
Measured Rise (mm) 1945 Measured At Ring No. 4 Sag (mm) 255 Percent Sag 11 Sidewall 3 3 50 mm BULGE @ 1/3 L @ SIDEWALL HAUNCH Measured Span (mm) 2445 4	(Type:)				
Measured At Ring No. 4 Estimate. Sag (mm) 255 Estimate. Percent Sag 11 3 50 mm BULGE @ 1/3 L @ SIDEWALL HAUNCH Measured Span (mm) 2445 Estimate. 50 mm BULGE @ 1/3 L @ SIDEWALL HAUNCH Measured At Ring No. 4 Image: April of the control o	Roof		3	3	
Sag (mm) 255 Percent Sag 11 Sidewall 3 3 50 mm BULGE @ 1/3 L @ SIDEWALL HAUNCH Measured Span (mm) 2445 Measured At Ring No. 4 Percent Deflection 11 Floor N N N Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams 5 5 2nd seam from west minor filtration. Separation (mm) 65 Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams 0 Min. Remaining Steel Between Cracks (mm) 0 Proper Lap (Y/N) 0	Measured Rise (mm)	1945			
Percent Sag					Estimate.
Sidewall 3 3 50 mm BULGE @ 1/3 L @ SIDEWALL HAUNCH					
Measured Span (mm) 2445 Measured At Ring No. 4 Deflection (mm) 245 Percent Deflection 11 Floor N N N Bulge (mm) DIRT COVERED 50 mm - 100mm Measured At Ring No. Abrasion (Y/N) Circumferential Seams 5 5 Separation (mm) 65 Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams 0 Min. Remaining Steel Between Cracks (mm) 0 Proper Lap (Y/N) 0	Percent Sag	11			
Measured At Ring No. 4 Deflection (mm) 245 Percent Deflection 11 Floor N N N Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams 5 5 2nd seam from west minor filtration. Separation (mm) 65 Longitudinal Seams X X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Sidewall		3	3	50 mm BULGE @ 1/3 L @ SIDEWALL HAUNCH
Deflection (mm) 245 Percent Deflection 11 Floor N N N Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams 5 5 5 Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured Span (mm)	2445			
Percent Deflection 11 Floor N N N DIRT COVERED 50 mm - 100mm Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams 5 5 5 Longitudinal Seams X X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured At Ring No.	4			
Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) 65 Longitudinal Seams X X Total No. of Cracked Rings O Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Deflection (mm)	245			
Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) 65 Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Percent Deflection	11			
Measured At Ring No. Abrasion (Y/N) Circumferential Seams 5 5 2nd seam from west minor filtration. Separation (mm) 65 Longitudinal Seams X X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Floor		N	N	DIRT COVERED 50 mm - 100mm
Abrasion (Y/N) Circumferential Seams Separation (mm) Congitudinal Seams 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)	Bulge (mm)				
Circumferential Seams 5 5 2nd seam from west minor filtration. Separation (mm) 65 Longitudinal Seams X X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured At Ring No.				
Separation (mm) 65 Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Abrasion (Y/N)				
Longitudinal Seams X X Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams 0 Min. Remaining Steel Between Cracks (mm) 0 Proper Lap (Y/N)	Circumferential Seams		5	5	2nd seam from west minor filtration.
Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams 0 Min. Remaining Steel Between Cracks (mm) 0 Proper Lap (Y/N)	Separation (mm)	65			
Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Longitudinal Seams		Х	Х	
Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Total No. of Cracked Rings	0			
Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)		0			
Proper Lap (Y/N)	Min. Remaining Steel	0			
	` ,				
	Longitudinal Stagger (Y/N)				

		Brid	dge Cul	vert Barrel				
Culvert Component		Last Now		Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2200, Type: MP)				
Coating			6	Superficial rust on floor				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		Х	Х					
Baffle		Х	Х					
(Type:)			1					
Waterway Adequacy	I	X	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	3					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		E						
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		Х	Х					
Heaving (mm)								
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200							
Scour Protection		7	7					
(Type : NATURAL)								
(Avg. Rock Size(mm):)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7					
		S	Structur	e Usage				
			Now	Explanation of Condition				
Grade Separation								
Road Alignment		Х	X	25 mm - 100 mm THICKNESS				
Roadway Surface		7	7					
(Type : SOIL)								
Icing (Y/N)	No							
Traffic Safety Features		Х	X					
(Type : SOIL)								

Structure Usage								
		Last	Now	Explanation of Condition				
Lighting		X	X					
Barrel Leakage (Y/N) No								
Drainage		7	7					
Structure In Use (Y/N) Yes								
Grade Separation General Rating			7					

			Maintenance	Recommen	dations					
Inspector Recommendations	Yea	ar In	spector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS			•		•					
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LININ	G									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CU	TOFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/	Now) 33.3	3/33.3	Sufficiency Rating (Las	st/Now)	62.0/55.7	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	No
Special Monitor shape. No Next Inspection	change from	n previou	ıs inspections. J. Davies 29-Nov	-2011	Department Comments					
Maintenance Reviewed By					Date		E	Stimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Robe	erts		Previous	Assistant's Name					
Next Inspection Date	29-Aug-201	13		Previous	evious Inspection Date 13-May-2010					
Inspection Cycle (Default) (months)	21									
Comment										