					Brida	e Culve	ert Insp	ection					
Bridge File Nur	mber	06982 -1	Bridge Culver	t						CULE			
Year Built		1954				Lot No			4				
Bridge or Town	n Name	THORSE	3Y				Inspec	tor Name		Todd Warshawski			
Located Over		TRIBUTA	I MATERORS ST			Inspec	tor Class		BR CLS B				
Located On			^1 1 <i>1</i> 731					nt Name					
Water Body Cl.	/Year	022.02					Assistant Class						
Navigabil. Cl./Year							Inspection Date		16-Mar-2012				
Legal Land Loc		SE SEC	` 31 T\\\D /0 PCE 1 \\\5M					ntry By		Theresa Lacusta			
		·/8 53·15·5/				•			10-Apr-2012				
		Transportation (AIT)							Eric Carcoux				
Contract Main. Area CMA11									09-Apr-2012				
Clear Roadway			deg. (LHF)							Brent Herrick			
AADT/Year	y, Onon	650 / 20						Review Da	ate	11-Apr-2012			
Road Classifica	ation	RCU-209					Follow	-Up By					
Detour Length		5					1						
Bridge Culver	` '									ı			
Number of Culv		1											
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	U/S	4	1000	2000		PCB		13.8				RECTANGLE	
1	MAIN	4	1000	2000		ВР		44				RECTANGLE	
1	D/S	4	1000	2000		PCB		17.8				RECTANGLE	
Special Feature	es	١	/ERT TIMBER	STRUTS	3								
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme		0.111	,				_						
Telephone		& North	-	l O	0.14/		Gas						
Power	2 lines	s 13m No	rth of c/l crosse	es road 3	o vves	τ.	Municipal Problem (Y/N) No						
Others	DE 4-		h h				Problei	m (Y/N)	No				
Remarks	BF tag	g on Sout	h headwall.	۸۰	oproo	oh Book	d / Emb	ankment					
				A	Last	Now				tion			
Horizontal Aligi	nment				7	6	Explanation of Condition Intersecting road east, curve west.						
Vertical Alignm					7	7		omig rous					
Roadway Widtl			9.800		-								
Embankment					7	6							
Sideslope (:1)		2.5				1						
(Height of Co		: 15)					1						
Guardrail (Y/N)			Yes										
Approach Roa	ad / Emi	bankmen	t General Rat	ing	7	6							
						Upstre	am End						
Culvert Comp	onent				Last	Now	Explan	ation of	Condi	tion			
Direction					S								
End Treatment Others, None)	(Concre	ete, Steel	CONCRETE										
Headwall					7	7							
Collar					Х	Х							
Wingwalls					N	7							
(Shape:)													

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		N	6	Some sandstone.
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		5	6	
		Bri	dae Cu	lvert Barrel
Culvert Component				
	tion Code: U/S. Span			
	16-Mar-2012			East cell.
			T	
		Ι		
		N	8	
	-			
			Ι.	
		N	8	
	-			
			T -	
		N	8	
			T -	
		N	8	Standard precast joint.
<u> </u>	20		1	
		X	X	
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		X	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed BELOW Above/Below (mm) Scour Protection (Type :) (Avg. Rock Size(mm) :) Scour/Erosion Beavers (Y/N) No Upstream End General Rating Culvert Component (Pipe # : 1, Primary Span, Location Code: U/S, Span (Barrel Last Accessible Date Special Features Special Features Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) 20 Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (imm) Proper Lap (Y/N) Longitudinal Stagger (Y/N) Coating Corrosion By Soil (Y/N)				

		Brid		vert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	<u>(mm):</u>	2000, F	Rise (mm): 2000, Type: PCB, Cell Sequence: 1)
Ponding (Y/N)				
Fish Passage Adequacy		7	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	g	N	8	
		Brio	dge Cul	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	(mm):	2000, F	Rise (mm): 2000, Type: PCB, Cell Sequence: 2)
Barrel Last Accessible Date	16-Mar-2012			East cell.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	5	Wide flexural cracks.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	5	Isolated surface spalls due to shallow rebar.
Measured Span (mm)				Heavy surface scaling. Wide flexural cracks.
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	5	Heavy surface scaling.
Bulge (mm)				Wide flexural cracks.
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	5	Steel capped and grouted on roof and sidewalls.
Separation (mm)				
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			X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

		Bric	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	2000, F	Rise (mm): 2000, Type: PCB, Cell Sequence: 2)
Ponding (Y/N)	No			
(Pipe # : 1, Primary Span, Location Code: U/S, Span		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	ng	N	5	
		Di	1 0	Lord Parcel
Culvert Component				Ivert Barrel Explanation of Condition
	tion Code: MAIN Sna			·
		(111111	<i>j</i> . 2000	West cell
Dairei Last Accessible Date	10-War-2012			West cell
Special Features				
Special Feature			Х	
(Type: VERT TIMBER STRUTS)			
Special Feature				
(Type:)				
Roof		N	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	8	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	8	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)			_	
Circumferential Seams		N	8	Standard precast joint.
Separation (mm)	20			
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		Х	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

		Bric	lge Cul	vert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2000	, Rise (mm): 2000, Type: BP, Cell Sequence: 1)
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	8	
		Bric	lge Cul	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Local	tion Code: MAIN, Spa	n (mm): 2000	, Rise (mm): 2000, Type: BP, Cell Sequence: 2)
Barrel Last Accessible Date	16-Mar-2012			West cell
Special Features		l		
Special Feature			X	
(Type: VERT TIMBER STRUTS)			
Special Feature				
(Type:)				
Roof		N	5	Wide flex cracks.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	5	Wide flex cracks.
Measured Span (mm)				Heavy scaling. Surface spalls on shallow rebar.
Measured At Ring No.				Curtaco opulio ori orianow robar.
Deflection (mm)				
Percent Deflection				
Floor		N	5	Wide flex cracks
Bulge (mm)				Heavy scaling
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	5	Capped and grouterd.
Separation (mm)				Seam at South extension is poorly groutedphot0
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		Х	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 2000	, Rise (mm): 2000, Type: BP, Cell Sequence: 2)
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	5	
		D	ownstr	ream End
Culvert Component		Last		Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		N	8	
Collar		N	8	
Wingwalls		N	8	
(Shape:)				
Cutoff Wall		N	N	
Bevel End		N	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	200			
Scour Protection		N	7	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)				
Alignment			6	30 deg. turn at inlet.
Bank Stability		N	6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :				
Channel General Rating	,	5	6	

			Maintena	ance Recommen	dations						
Inspector Recommendations	Year	Inspector	Comments		Department Con	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS		'			-						
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 22.2/55	2/55.6 Sufficiency Rating (Last/		(Last/Now)	48.8/64.9	Est. Repl. Yr 2040		2040	Maint. Re	eqd. (Y/N)	No
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date				Estimated Tota	ıl O	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Jacob Oresile			Previous	ıs Assistant's Name						
Next Inspection Date	16-Jun-2015			Previous	ous Inspection Date 03-Feb-2009						
Inspection Cycle (Default) (months)	39										
Comment											