					Brida	e Culve	ert Inspe	ection							
Bridge File Number 75927 -1 Bridge Culvert			Billag	e curv	Form Type			CUL1							
Year Built 1995							Lot No.			4					
Bridge or Town Name TILLEY			Υ							Tom Carey					
										BR CLS A					
Located On 876:02 C1							Assistant Name		DIC OLO A						
Water Body Cl./Year							Assistant Class								
Navigabil. Cl./Year							Inspection Date		16-Feb-2010						
Legal Land Loc								Kelsey Roberts							
										23-Mar-2010					
								er Name		Garry Roberts					
Contract Main. Area CMA23										24-Feb-2010					
Clear Roadway			leg. (RHF)				Dept. Reviewer Name								
AADT/Year	7011011	240 / 200								26-Mar-2010					
Road Classifica	ntion	RCU-209					Follow-Up By		20 11101 2010						
Detour Length (8	<i>3</i> -11U				I Ollow-op by								
Bridge Culvert	` '														
Number of Culv		1													
	Barrel		Span	Rise (or I	se (or Dia.)			Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN	2	440	2440		PCB		29.6				RECTANGLE			
Special Feature	es														
Special Feature	es Comi	ment 2	440 Precast b	oxes											
·															
					Ut	ilities (L	_ocated	at)							
Utility Attachme							I _								
Telephone	W R/V							Gas							
Power E R/W xing 60m N - 3 wire							Municipal								
Others							Problei	m (Y/N) N	No						
Remarks							1./ =1								
				Aŗ	i i		Explanation of Condition								
Horizontal Align	mont				Last 8	8	Curve 500m N								
					9	9									
Vertical Alignment				9	9	Hazard marker @ 4 corners of guardrail									
						Hazard	marker @	4 CO	rners of guardr	all					
Roadway Width	1 (111)		8.300												
Embankment					8	N	Snow								
Sideslope (4.0												
(Height of Co	ver (m)	: 0.2)													
Guardrail (Y/N) Yes															
Approach Roa	d / Eml	oankment	General Rat	ing	8	8									
						Upstre	am End								
Culvert Compo	onent				Last	Now	Explan	ation of C	ondi	tion					
Direction			E		East										
End Treatment (Concrete, Steel, CONCRETE Others, None)															
Headwall			8	8											
Collar			Х	Х	Steel p	iles with tre	eated	timber							
Wingwalls				8	8	wingwall. Only @ NE side of pipe									
(Shape:)															

Culvert Component			am End		
Bevel End	Culvert Component		Last	Now	Explanation of Condition
Heaving (mm)	Cutoff Wall		N	N	
Invert Above@elow (mm)	Bevel End		Х	Х	
Invert Above@elow (mm)	Heaving (mm)				
Scour Protection		BELOW			
Scour Protection					
Avg. Rock Size (mm) :) N			N	N	snow covered
Avg. Rock Size (mm) :) N	(Type:)				
Scour/Erosion					
Section	Scour/Erosion		N	N	snow covered
Bridge Culvert Barrel Last Now Explanation of Condition	Beavers (Y/N)	No			
Culvert Component Last Now Explanation of Condition (Pipe # 1. Primary Span, Location Code: MAIN, Span (mm): 2440, Rise (mm): 2440, Type: PCB) Barrel Last Accessible Date 16-Feb-2010 Special Features Special Feature (Type:) Special Feature (Type:) Roof 8 8 Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag 8 8 2440 throughout Measured Span (mm) 2440	Upstream End General Rating		8	N	
Culvert Component Last Now Explanation of Condition (Pipe # 1. Primary Span, Location Code: MAIN, Span (mm): 2440, Rise (mm): 2440, Type: PCB) Barrel Last Accessible Date 16-Feb-2010 Special Features Special Feature (Type:) Special Feature (Type:) Roof 8 8 Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag 8 8 2440 throughout Measured Span (mm) 2440			_ Brid	dge Cu	lvert Barrel
Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 2440, Rise (mm): 2440, Type: PCB	Culvert Component				
Special Features Special Feature (Type :) Special Feature	_	tion Code: MAIN. Sp			•
Special Feature (Type :) Roof			(11111	.,. <u> </u>	, race (min): 2116, 1) por 1 62)
Special Feature	Barrer East / todeddible Bate	10 1 00 2010			
Type : Special Feature	Special Features				
Special Feature Common C	Special Feature				
Type : Roof	(Type:)				
Roof	Special Feature				
Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection O Percent Deflection Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) 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 Coating Coating Corrosion By Soil (Y/N) Corrosion By Soil (Y/N) Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	(Type:)				
Measured At Ring No. Sag (mm) Percent Sag Sidewall 8 8 2440 throughout	Roof		8	8	
Sag (mm)	Measured Rise (mm)				
Percent Sag Sidewall	Measured At Ring No.				
Sidewall	Sag (mm)				
Measured Span (mm) 2440 Measured At Ring No. Deflection (mm) 0 Percent Deflection 0 Floor N N N ice covered Bulge (mm)	Percent Sag				
Measured At Ring No. Deflection (mm) 0 Percent Deflection 0 Floor N N N Measured At Ring No. Abrasion (Y/N) Circumferential Seams 8 8 Separation (mm) 20 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) Longitudinal Stagger (Y/N) Coating X X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Sidewall		8	8	2440 throughout
Deflection (mm) 0 Percent Deflection 0 Floor N N N ice covered Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams 8 8 Separation (mm) 20 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) Longitudinal Stagger (Y/N) Coating X X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Measured Span (mm)	2440			
Percent Deflection 0	Measured At Ring No.				
Floor	Deflection (mm)	0			
Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams 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 X X X X X X X X X X X X	Percent Deflection	0			
Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) 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) Longitudinal Stagger (Y/N) Coating X X X X X X X X X X X X X	Floor		N	N	ice covered
Abrasion (Y/N) Circumferential Seams 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 Coating Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Bulge (mm)				
Circumferential Seams Separation (mm) 20 Longitudinal Seams X X Total No. of Cracked Rings O Total No. of Rings with Two 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)	Measured At Ring No.				
Separation (mm) 20 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) Longitudinal Stagger (Y/N) Coating X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Abrasion (Y/N)				
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) Longitudinal Stagger (Y/N) Coating X X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Circumferential Seams		8	8	
Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams 0 Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N) Longitudinal Stagger (Y/N) X X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Separation (mm)	20			
Total No. of Cracked Rings 0 Total No. of Rings with Two Cracked Seams 0 Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N) Longitudinal Stagger (Y/N) X X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Longitudinal Seams		X	Х	
Total No. of Rings with Two 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)		0			
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)		0			
Proper Lap (Y/N) Longitudinal Stagger (Y/N) Coating X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	Min. Remaining Steel	0			
Longitudinal Stagger (Y/N) Coating X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)	` '				
Coating X X Corrosion By Soil (Y/N) Corrosion By Water (Y/N)					
Corrosion By Soil (Y/N) Corrosion By Water (Y/N)			X	X	
Corrosion By Water (Y/N)				, ,	
		ZERO.			

75927 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	<u>): 2440</u>	, Rise (mm): 2440, Type: PCB)					
Ponding (Y/N)	No								
Fish Passage Adequacy		X	Х						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy			9						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		8	8						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		W							
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall	Headwall		8						
Collar			Х						
Wingwalls		8	8	Only @ SW side - steel piles with treated timber					
(Shape:)									
Cutoff Wall			N						
Bevel End		X	X						
Heaving (mm)									
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	100								
Scour Protection		N	N	snow covered					
(Type:)									
(Avg. Rock Size (mm):)									
Scour/Erosion	T	N	N	snow covered					
Beavers (Y/N)	No								
Downstream End General Ratio	ng	8	N						
		S	tructur	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)		7							
Alignment			7	Curves 40 deg, 50m d/s (Outlet structure 5m d/s)- snow					
Bank Stability			N	snow					
HWM (m below Top of Culvert) 0.3									
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading									
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :	NONE)	7							
Channel General Rating			7	G.R. carried					

			Maintena	nce Recommen	dations						
Inspector Recommendations	Year	Inspecto	r Comments		Department Com	nments	3		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS					•						
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 88.9/88	3.9	Sufficiency Rating (Last/Now) (%)		90.8/84.8		Repl. Yr	2053 Maint. R		eqd. (Y/N)	No
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date			E	Estimated Tota	ıl O	
Proposed Long-Term Strategy										_	
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Tim Davies			Assistant's Name							
Next Inspection Date	16-May-2013		Inspection Date	2	20-Feb-2007						
Inspection Cycle (Default) (months)	39										
Comment											