Bridge Culvert Inspection														
Bridge File Nun	nber	71628 -1	Bridge Culver	rt			Form 1			CUL1				
Year Built 1989							Lot No.			4				
Bridge or Town	Name	TILLEY					Inspector Name			Tom Carey				
Located Over			RIGATION C, V	WATERC	RS-IC	;	Inspector Class		BR CLS A					
Located On		876:02 C						ant Name						
Water Body Cl.	/Year					Assista								
Navigabil. Cl./Y						Inspection D				16-Feb-2010				
Legal Land Loc		NW SEC	: 19 TWP 17 R	RGE 12 W	′4M		Data Entry By		Kelsey Roberts					
Longitude, Latitude -111:39:00,			0, 50:27:11				Data Entry Date		23-Mar-2010					
		ransportation (AIT)				Reviewer Name		Garry Roberts						
Contract Main. Area CMA23						Review Date		24-Feb-2010						
Clear Roadway/Skew 8.5 /							Dept. Reviewer Name							
AADT/Year		670 / 200	8 (A)				Dept. Review Date		26-Mar-2010					
Road Classifica	ition	RCU-209					Follow-Up By							
Detour Length (	(km)	6					. Show op by							
Bridge Culvert		ation												
Number of Culv		1												
Pipe #	Barrel	Span Rise (or		Dia.)	ia.) Type		Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN	3	920	2150		RPE	21.3			152X51	4.0,4.0,4.0	ELLIPSE		
Special Feature	es													
Special Feature	es Comr	ment C	Concrete slab	over pipe.	Haza	rds @ a	II corne	S.						
					Ut	ilities (L	ocated	at)						
Utility Attachme	ents					,								
Telephone							Gas							
Power 1 wire, crosses road over pipe				Municipal Light			Light 1	to N.W.						
Others		optics in e					Problem (Y/N) No							
Remarks								,						
				Ap	oproa	ch Road	d / Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment			4	4	Sharp curve to north, reduced speed 55 km/hr.									
Vertical Alignment			8	8	55 km/nr.   50 km @ Tilley directly south									
Roadway Width (m) 8.500														
Embankment					7	N	Snow							
Sideslope (	_:1)		4.0											
(Height of Co	· ·	: 0.4)												
Guardrail (Y/N)		,	Yes											
Approach Roa	d / Emb	oankmen	t General Rat	ing	4	4								
						Unstre	am End							
Culvert Compo	onent				Last			ation of	Condi	tion				
Direction	•				W		West		. , . ,					
End Treatment Others, None)	(Concre	ete, Steel,	STEEL											
Headwall					Х	X								
Collar					Х	Х								
Wingwalls			Х	X										
(Shape: )					1									
Cutoff Wall					Х	X								
30.071 11011					, ,									

71628 -1 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		N	N	Snow covered						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	700									
Scour Protection			N	(Mostly gravel)						
(Type:)				Snow covered						
(Avg. Rock Size (mm):)										
Scour/Erosion		N	N							
Decuera (V/NI)	No									
Beavers (Y/N)	INO									
<b>Upstream End General Rating</b>		7	N							
		D.:	lus Os	North David						
Culvert Component Last Now Explanation of Condition										
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3920, Rise (mm): 2150, Type: RPE)										
Barrel Last Accessible Date	16-Feb-2010									
Darrel Last Accessible Date	10-1 65-2010									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		8	8	Estimate						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	0			_						
Percent Sag										
Sidewall		8	8	INWARD						
Measured Span (mm)	3900			3900 throughout						
Measured At Ring No.	4									
Deflection (mm)	20									
Percent Deflection	0		_							
Floor		N	N	Ice Covered						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		7	8							
Separation (mm)	0									
Longitudinal Seams		7	8							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)	0			Roof is staggered						
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)	No									
Coating		6	5	SURFACE RUST @ sidewalls.						
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Bridge Culvert Barrel										
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3920, Rise (mm): 2150, Type: RPE)										
Fish Passage Adequacy		Х	X							
Baffle		Х	X							
(Type:)										
Waterway Adequacy		5	5	(Flows above inlet 911212).						
Icing (Y/N)	No			(AT ENDS -700mm deep)-ice						
Silting (Y/N)	Yes			(TI ENDO FOOTHIN GOOD) ICC						
Drift (Y/N)	No									
Barrel General Rating		7	8							
Downstream End										
Culvert Component			Now	Explanation of Condition						
Direction		E	INOW	East						
End Treatment (Concrete, Steel,	STEFI	_		Last						
Others, None)	01222		_							
Headwall		X	X							
Collar		X	X							
Wingwalls		X	X							
(Shape: )										
Cutoff Wall		X	X							
Bevel End		N	N	snow covered						
Heaving (mm)	Heaving (mm) 0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm) 700										
Scour Protection		N	N	Snow covered						
(Type:)				(Little riprap, nostly gravel)						
(Avg. Rock Size (mm):)			_							
Scour/Erosion		N	N							
Beavers (Y/N)	No									
Downstream End General Rating		7	N							
		5	Structu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		9	9	(200 mm above inlet 911212).						
Bank Stability			N	Snow						
HWM (m below Top of Culvert)										
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7	G.R. carried forward						

			Maintena	ance Recommer	dations					
Inspector Recommendations	Year	Inspecto	r Comments		Department Com	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										$\perp$
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 77.8/88	3.9	Sufficiency Rating (Last/Now) (%)		60.7/62.0	Est. Repl. Yr	2028 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Tim Davies			Previous	Assistant's Name					
Next Inspection Date	16-May-2013			Previous	s Inspection Date 20-Feb-2007					
Inspection Cycle (Default) (months)	39									
Comment										