Bridge Culvert Inspection														
Bridge File Num	nber	09401 -1	Bridge Culve	rt			Form 1			CUL1				
Year Built		1928					Lot No.		3					
Bridge or Town Name MORLEY								Inspector Name		Garry Roberts				
Located Over				13.52, WATERCRS-ST			Inspector Class		BR CLS A					
Located On		1A:04 C		,			Assistant Name							
Water Body Cl./	Year						Assistant Class							
Navigabil. Cl./Year			Inspection Date				31-Aug-2012							
Legal Land Location SW SEC 35 TWP 25 RGE 7 W5M				M		Data Entry By		Lauren Korte						
Longitude, Latitude			46, 51:10:14				Data Entry Date		03-Oct-2012					
Road Authority			Fransportation	(AIT)			Reviewer Name		Joel Wozney					
Contract Main.	Area	CMA28		(*)			Review Date		14-Sep-2012					
Clear Roadway		7/				Dept. Review			Name					
AADT/Year		1,710 / 2	(O11 (A)			Dept. Review Date				11-Oct-2012				
Road Classifica	tion	RAU-209					Follow-Up By		11 300 2012					
Detour Length (15	<u> </u>				I dilow-op by							
Bridge Culvert										1				
Number of Culv		1												
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	AIN 4260 2200				ВР		16.2				RECTANGLE		
Special Feature	:S										·			
Special Feature	s Comr	ment												
Living Ave I					Uti	ilities (L	ocated	at)						
Utility Attachme		10 1	1 12 1				0		1					
Telephone North and South ditch.							Gas							
Power							Municipal Problem (Y/N) Yes							
Others	0-1-1-		@ 0	-1-1			Proble	m (Y/N)	Yes					
Remarks	Cable	exposed	@ South head			sh Door	d / Emb	ankment						
				A	Last	Now				tion				
Horizontal Alignment					4	4	Explanation of Condition Built on curve and sag. Limited sight distance. Speed posted @ 55							
Vertical Alignme					5	5	km/hr.							
Roadway Width (m) 7.000														
Embankment	Embankment				4	4	Steep	and mino	r erosio	on at South side	<u> </u>			
Sideslope (:1) 2.0			•		Олоор	ana mino	. 0.00.0	on at Count of at						
		7)			<u> </u>									
(Height of Cover(m) : 7) Guardrail (Y/N) Yes					2 broken posts @ South guardrail. 1 split.									
Approach Road	d / Emb	oankmen	t General Rat	ing	4	4								
• •														
							am End		• "					
Culvert Compo	nent				Last	Now		nation of	Conai	tion				
Direction	(0	-4- 041	CONCRETE		N		North.							
End Treatment Others, None)	(Concre	ete, Steel	, CONCRETE	:										
Headwall					6	6								
Collar	Collar			Х	X									
Wingwalls			6	6	Minor cracks - 0.4 mm wide.									
(Shape:)														
Cutoff Wall			N	N	Buried	Buried.								

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		X	Х							
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)	0									
Scour Protection		6	6							
(Type : NATURAL)										
(Avg. Rock Size(mm):)										
Scour/Erosion		6	6							
Beavers (Y/N)	No									
Upstream End General Rating		6	6							
		Brio	dae Cu	Ivert Barrel						
Culvert Component	Explanation of Condition									
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa		Now): 4260							
Barrel Last Accessible Date	31-Aug-2012									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof			6	Cracking in roof and sides.						
Measured Rise (mm)				Cracks up to 1.5mm wide @ West. Most cracks are narrow.						
Measured At Ring No.				- Wost Clacks are Harrow.						
Sag (mm)	0									
Percent Sag										
Sidewall		6	6	West wall has one exposed rebar because of poor cover.						
Measured Span (mm)										
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection										
Floor		5	5	Floor has footings.						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		6	6	Minor leakage.						
Separation (mm)	28									
Longitudinal Seams		Х	Х							
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	Х							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

		Brio	dge Cu	Ivert Barrel								
Culvert Component			Now	-								
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm): 4260	, Rise (mm): 2200, Type: BP)								
Fish Passage Adequacy		6	6									
Baffle			Х									
(Type:)												
Waterway Adequacy			7									
Icing (Y/N)	No											
Silting (Y/N)	No											
Drift (Y/N)	No											
Barrel General Rating			6									
Downstream End												
Culvert Component		Last	Now	Explanation of Condition								
Direction	T	S		South.								
End Treatment (Concrete, Steel, Others, None)	CONCRETE											
Headwall		6	6									
Collar			X									
Wingwalls		5	5	Numerous narrow medium width cracks @ SE wing.								
(Shape:)			_									
Cutoff Wall		Х	Х									
Bevel End			X									
Heaving (mm)												
Invert Above/Below Stream Bed ABOVE				New rock @ end of structure and in scour hole @ SW wing.								
Above/Below (mm) 500												
Scour Protection			6									
(Type : RIP RAP)												
(Avg. Rock Size(mm) : 350)												
Scour/Erosion		6	6									
Beavers (Y/N)	No											
Downstream End General Ratio	ng	5	5									
		S	Structu	re Usage								
		Last	Now	Explanation of Condition								
Channel (U/S and D/S)												
Alignment			5	Meandering stream.								
Bank Stability			5									
HWM (m below Top of Culvert)	-2.0											
Prift (Y/N) Yes				Large amounts of fallen trees U/S - channel has been cleaned out since the last high water that caused this drift in June 2005.								
Channel Bottom Degrading/Aggrading DEGRADING				Possible that water was over road and was 2.0m over top of box in 2005								
Beavers (Y/N) No												
(Fish Compensation Measure 1 :												
(Fish Compensation Measure 2 :	NONE)											
Channel General Rating		5	5									

			Maintenance	Recommen	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Com	ments		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		Repair g	guardrail - 3 posts @ Soutl	n side.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 66.7/6	66.7	Sufficiency Rating (Last/Now) (%)		53.9/53.9	Est. Repl. Yr	2025 Maint. Ro		qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Robert	S		Previous	Assistant's Name					
Next Inspection Date	31-May-2014			Previous	Inspection Date 07-Dec-2010					
Inspection Cycle (Default) (months)	21									
Comment										