Bridge Culvert Inspection													
Bridge File Nur	mber	72348	-1 Bridge Culve					Form Type		CULE			
Year Built/Line		1958/1	•				Lot No.			4			
Bridge or Town								tor Name	<u> </u>	Jason Rusu			
Located Over		LNI - IF					Inspector Class			BR CLS A			
Located On 25:02 C1			C1 27.281		ant Name								
Water Body Cl./Year				Assistant Class									
Navigabil. Cl./Year				Inspection Date			09-Dec-2011						
								ntry By		Anne Roberts			
- J								ntry Date	<u> </u>	17-Jan-2012			
			Transportation		Reviewer				Garry Roberts				
		CMA25	· · · · · · · · · · · · · · · · · · ·		Review Date			26-Dec-2011					
Clear Roadway	//Skew	11.4 /					Dept. I	Reviewer	Name	Tim Davies			
AADT/Year		1,300 /	2010 (A)					Review Da		18-Jan-2012			
Road Classifica	ation		11.8-110				Follow	-Up By					
Detour Length	(km)	5											
Bridge Culver		ation											
Number of Cul	verts		2										
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN F Lined	N Partially 2133 1550		1550		RPP		32.3				ARCH	
2	MAIN PARTIA LINER	AL	-	1200		MP		32		125X26	2.8	ROUND	
Special Feature	es			<u>'</u>				-					
Special Feature	es Comi	ment											
·													
					Uti	lities (L	ocated	at)					
Utility Attachmo									1				
Telephone	West						Gas						
Power	East [						Munici	•					
Others	Super	net fibre	e east ditch				Proble	m (Y/N)	No				
Remarks				Α		h Door	d / Emb	an kwa an t					
					Last	Now	1	ankment nation of		tion			
Horizontal Alig	nment				7	7	LAPIGI	iation or	Oonai	LIOII			
Vertical Alignm					8	8	-						
Roadway Widt			11.000										
Embankment					8	8							
Sideslope (_	·1)		6.0			0							
(Height of Co		1 2\	0.0										
Guardrail (Y/N)		· •••	No										
Approach Road / Embankment General Rating			ting	7	7								
						Unstre	am End	I					
<b>Culvert Comp</b>	onent						_	nation of	Condi	tion			
(Pipe # : 1, Sp		e: Prima	ary Span)										
Direction			· · ·		W								
End Treatment Others, None)	(Concre	ete, Stee	el, NONE										
Headwall					Х	7							
Collar					Х	7							

Upstream End										
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Span Type: Primary	/ Span)									
Wingwalls	•	Х	Х							
(Shape: )										
Cutoff Wall			X							
Bevel End		Х	5							
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection		X	7							
(Type : NATURAL)										
(Avg. Rock Size(mm):)										
Scour/Erosion		Х	7							
Beavers (Y/N)	No									
Upstream End General Rating		N	5							
		Brio	dae Cu	Ivert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			· · ·						
Barrel Last Accessible Date				Unable to view - now lined and sealed with grout / concrete						
Special Features										
Special Feature										
(Type:)		1								
Special Feature										
(Type:)										
Roof		Х	N							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall		Х	N							
Measured Span (mm)		, ,								
Measured At Ring No.										
Deflection (mm)										
Percent Deflection										
Floor		Х	N							
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
		Х	N							
Circumferential Seams			IN							
Separation (mm)		Х	N							
Longitudinal Seams		^	IN							
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)										

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 2133	, Rise (mm): 1550, Type: RPP)						
Coating		Х	N							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG										
Ponding (Y/N)										
Fish Passage Adequacy		Х	Х							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		X	X							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		N	N	Grouted and not visible						
		D		eam End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Span Type: Primary	Span)									
Direction		E								
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall			N	Snow covered						
Collar		Х	N	Snow covered						
Wingwalls		Х	Х							
(Shape: )										
Cutoff Wall		Х	Х							
Bevel End		Х	5							
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection		Х	7							
(Type: NATURAL)		-								
(Avg. Rock Size(mm):)										
Scour/Erosion		Х	7							
Beavers (Y/N)										
Downstream End General Ratio	ng	N	5							
			Unstre	am End						
Culvert Component				Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Direction	, ,	W								
End Treatment (Concrete, Steel, Others, None)	CONCRETE	.,								
Headwall		8	7							
Collar		8	7							

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Wingwalls		Х	Х							
(Shape: )										
Cutoff Wall			X							
Bevel End		6	6							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		7	7							
(Type : <b>NATURAL</b> )										
(Avg. Rock Size(mm):)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		6	6							
		Brid	dge Cu	lvert Barrel						
Culvert Component		1	T							
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN. S			· -						
Barrel Last Accessible Date	09-Dec-2011									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		N	6	Unable to measure rise						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)				Estimate						
Percent Sag	1									
Sidewall		N	6							
Measured Span (mm)	1220									
Measured At Ring No.	3									
Deflection (mm)	20									
Percent Deflection	1									
Floor		N	N	Ice covers floor						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		N	6							
Separation (mm)										
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)										

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)						
Coating		N	5	superficial corrosion at water line						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		6	6							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		N	6							
		D	ownstr	ream End						
Culvert Component				Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Direction		Е								
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall			N	Snow covered						
Collar		7	N	Snow covered						
Wingwalls		Х	Х							
(Shape: )										
Cutoff Wall		Х	Х							
Bevel End		7	6							
Heaving (mm)	0									
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 Rating			6							
		S	truc <u>tu</u>	re Usage						
		1	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		8	8							
Bank Stability		8	8							
HWM (m below Top of Culvert)				Not visible						
Drift (Y/N)	No									

Structure Usage									
		Last	Now	Explanation of Condition					
Channel Bottom Degrading/Aggrading	AGGRADING								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		8	8						

				Maintenance	Recommen	dations					
Inspector Recommendations		Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow)	55.6/66.7	7	Sufficiency Rating (Las (%)	st/Now)	64.5/67.3	Est. Repl. Yr	2054	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date			Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Jason I	Jason Rusu			Previous	Previous Assistant's Name					
Next Inspection Date 09-5		-2013			Previous	Inspection Date	06-Jun-2010				
Inspection Cycle (Default) (months)	21										
Comment											