Bridge Culvert Inspection														
Bridge File Nun	nber	78485 -1 Bridge Culvert					Form Type			CUL1				
Year Built 1984						Lot No.			4					
Bridge or Town	Name	HAYES					Inspector Name			Jason Rusu				
Located Over		BRP - IF	RIGATION C, WATERCRS-IC			Inspector Class			BR CLS A					
Located On		875:02 (C1 17.263				Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	ear						Inspection Date		17-Mar-2012					
Legal Land Location SE SEC 10 TWP 12 RG			GE 14 W4M			Data Entry By		Erin Roberts						
Longitude, Latit	ude	-111:49:	39, 49:58:55	:58:55				Data Entry Date		11-Apr-2012				
		Transportation (AIT)					ver Name	:	Garry Roberts					
Contract Main. Area CMA24							v Date		23-Mar-2012					
Clear Roadway	/Skew	17.4 /			Dept. Reviewer N			Name						
AADT/Year		290 / 20	1011 (A)				Dept. Review Date		17-Apr-2012					
Road Classifica	ation	RCU-20	8-110				Follow	-Up By						
Detour Length ((km)	3												
Bridge Culvert	Inform	nation												
Number of Culv	erts/		1	I										
Pipe #	Barrel	,	Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	;	3327	2095		RPE		27.4		152X51	3.0	ELLIPSE		
Special Feature	es													
Special Feature	es Comi	ment												
					114	:::4: /!		~4\						
Utility Attachme	nto				Οt	iitties (L	_ocated	at)						
Telephone		side					Gas		45m \	Nost				
Telephone South side. Power 3 wires North, 3 wires East.						Municipal								
	3 WIIE	S INOILII,				Problem (Y/N) No								
Others Remarks							1 TODIC	111 (1/14)	110					
Remarks				Ar	proac	ch Road	d / Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment			7	7	West side of the intersection.									
Vertical Alignment				7	7									
Roadway Width	n (m)		8.200											
Embankment					N	6								
Sideslope (_:1)		2.5											
(Height of Co	ver(m) :	: 0.4)	·											
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankmer	nt General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion				
Direction					N		North							
End Treatment	(Concre	ete, Steel	I, STEEL											
Others, None) Headwall					X	Х								
Collar					Х	X								
Wingwalls			X	X										
(Shape:)					, ,	, ,								
Cutoff Wall					Х	Х								

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	<u> </u>	7	7	Explanation of Condition
Heaving (mm)	0	,		
Invert Above/Below Stream Bed				
Above/Below (mm)	300			
Scour Protection	300	N	7	
		IN		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150) Scour/Erosion		N	7	
SCOUI/ETOSIOTI		IN IN	'	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dg <u>e Cu</u>	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,			· -
Barrel Last Accessible Date	03-Mar-2009		'	Water too deep to enter.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		<u> </u>		
Roof		7	N	Viewed from ends shape looks good.
Measured Rise (mm)	2038			1
Measured At Ring No.	3			- Est.
Sag (mm)	57			
Percent Sag	3			
Sidewall		7	N	
Measured Span (mm)	3340	,	1 11	
Measured At Ring No.	3			
Deflection (mm)	13			Est.
Percent Deflection	1			
	'	NI	NI.	(Some silt on floor) 2 March 2000
Floor Bulge (mm)	0	N	N	(Some silt on floor.) 3-March-2009
Measured At Ring No.				
Abrasion (Y/N)	No			
	INU	7	N.	(Some not postled well.) 2 March 2000
Circumferential Seams	E	7	N	(Some not nestled well.) 3-March-2009
Separation (mm)	5			
Longitudinal Seams		6	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		6	N	(Staining & scaling.) 3-March-2009
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

78485 -1 Bridge Culvert

		Brio	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3327	, Rise (mm): 2095, Type: RPE)
Fish Passage Adequacy		X	X	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	N	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		South
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		X	Х	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	Turn outs 12m D/S. Headgate 17m D/S.
Bank Stability		N	7	
HWM (m below Top of Culvert)				None visible.
Drift (Y/N)	No			
Channel Bottom AGGRADING Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

		Maintenance	Recommendation	ons					
Inspector Recommendations	Year	Inspector Comments		epartment Comn	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							3		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 66.7/55	.6 Sufficiency Rating (La	rst/Now) 76.4	/71.5	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			De Co	epartment omments					
Maintenance Reviewed By			Da	ate		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tim Davies		Previous Assi	istant's Name					
Next Inspection Date	17-Jun-2015		Previous Insp	ection Date	03-Mar-2009				
Inspection Cycle (Default) (months)	39								
Comment									