					Brido	e Culve	ert Insp	ection					
Bridge File Number 07631 -1 Bridge Culvert						Form Type			CUL1				
Year Built 2008						Lot No.		3					
Bridge or Town I	Name	SEXSMI	TH				Inspector Name		Brian Pientsch				
Located Over	,	WATER	COURSE, WATERCRS-NI				Inspector Class			BR CLS A			
Located On		2:72 R1	11.996				Assistant Name		Brian Cote				
Water Body CI./	Year						Assistant Class						
Navigabil. Cl./Year						Inspection Date		04-Jul-2011					
						Data Entry By		Lisa Fairhurst					
						Data Entry Date		12-Aug-2011					
						Reviewer Name		Arnold Assenheimer					
Contract Main. Area CMA05						Review Date		13-Jul-2011					
		3 deg. (RHF)				Dept. Reviewer Name		Steve Pasqua	n				
AADT/Year		4,290 / 2					Dept. F	Dept. Review Date		16-Nov-2011			
Road Classificat	ion	RAD-412	12.4-120				Follow	-Uр Ву					
Detour Length (k	(m)	1					, ,						
Bridge Culvert I	Informa	ation											
Number of Culve	erts	1	1										
Pipe #	Barrel	3	Span	Rise (or	Dia.)	Туре	Leng			Corr. Profile	Pl./Slab Thickness	Shape	
1 N	MAIN		•	2000		MP		99		125X26	3.5	ROUND	
Special Features	3												
Special Features	s Comm	nent											
					114	:::::: /!		-4 \					
Utility Attachmer	oto				Οti	ilities (L	<u>-ocateo</u>	at)					
	115						Gas						
Power	Telephone Power 4 o/h West r/w					Munici							
Others	4 0/11 V	VESLI/W						Problem (Y/N) No					
Remarks							1 TODIC	11 (1/14)	1110				
Remarks				Aı	oproac	ch Road	l / Emb	ankment					
				<u></u>	Last	Now	1	ation of		tion			
Horizontal Alignr	ment				7	7	Hwy 59 and sec. hwy 674 located 500m South.						
Vertical Alignment				8	8	Hwy 2	raised to	N.					
Roadway Width (m)		27.300											
Embankment					8	8							
Sideslope (:	1)		4.0			_	1						
(Height of Cov	(Height of Cover(m) : 1.8)												
Guardrail (Y/N)	` ,	,	No										
Approach Road	l / Emb	ankmen	t General Rat	ing	7	7							
						Upstre	am End						
Culvert Compo	nent				Last	Now	1	ation of	Condi	tion			
Direction					Е								
End Treatment (Others, None)	Concre	te, Steel	, STEEL										
Headwall			Х	Х									
Collar			Х	Х									
Wingwalls		Х	Х		_								
(Shape:)													
Cutoff Wall				Х	Х								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	400									
Scour Protection			8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			8							
Beavers (Y/N)	No									
Upstream End General Rating		8	8							
		Brio	dae Cu	Ivert Barrel						
Culvert Component		Last	Now							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2000, Type: MP)						
Barrel Last Accessible Date	02-Dec-2009			Not accessible due to depth of water						
				·						
Special Features			1							
Special Feature										
(Type:)			1							
Special Feature										
(Type:)										
Roof		7	N							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm) 63				Estimated 2 Dec 2009						
Percent Sag	3									
Sidewall		7	N	centreline of Northbound lane.						
Measured Span (mm)	1937			-						
Measured At Ring No.	63			Inward deflection.						
Deflection (mm)	0			-						
Percent Deflection	3									
Floor		N	N							
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)			_							
Circumferential Seams		7	N							
Separation (mm)	60		_							
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)	1									
Longitudinal Stagger (Y/N)										
Coating		4	N	(Trench coat polymer coating. Some trench coat polymer coatings were peeling off and rusting at/near all coupler locations.(photo) 02						
Corrosion By Soil (Y/N)	No			Dec 2009)						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									

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Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2000, Type: MP)						
Fish Passage Adequacy		9	9							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy			9							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating			N	Last rated 7 on Dec 2 2009						
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction		W								
End Treatment (Concrete, Steel, Others, None)	STEEL		,							
Headwall		Х	X							
Collar			X							
Wingwalls			X							
(Shape:)										
Cutoff Wall		Х	X							
Bevel End			8							
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm)	400									
Scour Protection		8	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	8	8							
		s	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			6	U/S channel parallel to hwy and enter @ 70 degree to the pipe.						
Bank Stability			9							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading NONE										
Beavers (Y/N) No										
(Fish Compensation Measure 1 : NONE)										
(Fish Compensation Measure 2 : NONE)										
Channel General Rating			6							

			Maintenanc	e Recommend	lations					
Inspector Recommendations	Year	Inspecto	or Comments	o recommend	Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								9		
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	G									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION		Repair/repipe.	e-coat the rusted areas	throughout the						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		77.8/55.6 Sufficiency Ra (%)		ast/Now)	84.5/73.7	Est. Repl. Yr	2065	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Total	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Brian		Brian Pientsch Previo				s Assistant's Name Russel Vanderschaa				
Next Inspection Date 04-A				Previous	us Inspection Date 02-Dec-2009					
Inspection Cycle (Default) (months)	21									
Comment										