Bridge Culvert Inspection															
Bridge File Num	File Number 76537 -1 Bridge Culvert						Form Type			CUL1					
Year Built		1967					Lot No			2					
Bridge or Town	Name	NORDI	EGG				Inspec	tor Name		Owen Salava					
Located Over			TARY TO NORT , 6.175, WATER		ATCHI	EWAN	Inspector Class		BR CLS A						
Located On			C1 11.807					ant Name							
Water Body Cl./								ant Class		07.5.1.0040					
Navigabil. Cl./Ye								tion Date		07-Feb-2012					
Legal Land Loca		SW SE	C 8 TWP 38 RG	SE 17 W5	M			ntry By		Marcia Chavez					
Longitude, Latitu			4:18, 52:15:12					ntry Date		02-Mar-2012					
Road Authority			Transportation	(AIT)			Reviewer Name Review Date			John O'Brien					
Contract Main. A		CMA18	•							22-Feb-2012					
Clear Roadway/			7 deg. (RHF)				Dept. Reviewer Name Dept. Review Date								
AADT/Year			010 (A)						ate	09-Mar-2012					
Road Classificat			13.4-120				Follow	-Up By							
Detour Length (I		300													
Bridge Culvert		ation													
Number of Culve	erts		1												
Pipe #			Span Rise (or		Dia.)	Туре	Length			Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN		- 1500			SP		117.3		152X51	3.5	ROUND			
Special Feature						1		-							
Special Features Comment															
·															
					Uti	lities (L	ocated	at)							
Utility Attachmen	T .	,													
Telephone	one South r/w.						Gas								
Power						Municipal Problem (Y/N) No									
Others							Proble	m (Y/N)	No						
Remarks Approach Bood / Emboniment															
	Approach Road / Embankment Last Now Explanation of Condition														
Horizontal Alignment				7	7				ırves 200m Eas	 st.					
Vertical Alignment				7	7	j i to pai	, , , , , , , , , , , , , , , , , , ,	•							
Roadway Width			13.300												
Embankment					7	7									
Sideslope (:	.1\		2.0		7	/									
		11 E\	2.0				-								
(Height of Cover(m) : 11.5) Guardrail (Y/N) Yes															
	. , –			•	_										
Approach Road	a / Emb	ankme	nt General Rat	ing	7	7									
						Upstre	am End								
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion					
Direction		N		Unable	e to view;	under	ice.								
End Treatment (Concrete, Steel, Others, None)															
Headwall				Х	X										
Collar					Х	Х									
Wingwalls					Х	Х									
(Shape:)															
Cutoff Wall					Х	X									

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	'	7	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			-
Scour Protection	1-00	7	N	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	N	
		·		
Beavers (Y/N)	No			
			T	
Upstream End General Rating		7	N	GR was 7 from 04May2010.
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	oan (mm	ı):	, Rise (mm): 1500, Type: SP)
Barrel Last Accessible Date	30-May-2007			Inlet under ice.
Special Features				
Special Feature		N	N	(50% gone - photo. 30/May/2007)
(Type : CONC FLOOR)				
Special Feature				_
(Type :)				
Roof		N	N	(Deep pitting R13 to end - photo. 30/May/2007)
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		N	N	(Deep pitting upper sidewall - photo. Small perf's starting R24 -
Measured Span (mm)	1520			photo. 30/May/2007)
Measured At Ring No.	12			
Deflection (mm)	0			
Percent Deflection				
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			1
Circumferential Seams		N	N	
Separation (mm)	0	IN	1 1 1	-
Longitudinal Seams		N	N	
Total No. of Cracked Rings	0	IN	IN	-
Total No. of Rings with Two Cracked Seams	U			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			1
Longitudinal Stagger (Y/N)	Yes			1
Coating		N	N	(R13 to end deep pitting in roof and upper sidewall - photo. Perf.'s
Corrosion By Soil (Y/N)		IV	1.4	starting R24 in haunch - photo. 30/May/2007)
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	NEG			
Camper FOS/ZERO/NEG	INEG			
Ponding (Y/N)	Yes			(1/2 full D/S 1/4. 04May2010).

		Brid	lge Cu	lvert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1500, Type: SP)						
Fish Passage Adequacy		Х	X							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		6	6	At D/S end.						
Icing (Y/N)	No			At D/S end.						
Silting (Y/N)	Yes									
Drift (Y/N)	Yes									
Barrel General Rating		3 3		G.R. carried over from 30/May/2007.						
		D	ownst	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	T	S		D/S end in lake. Under F.S.L. 10.0m. Unable to locate outlet.						
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall			X							
Collar		Х	X							
Wingwalls		Х	X							
(Shape:)										
Cutoff Wall		X	X							
Bevel End			N	Buried by ice.						
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection		7	N							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)										
Scour/Erosion		7	N							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	7	N	GR was 7 from 04May2010.						
				re Usage						
Channel (U/S and D/S)		Last	Now	Explanation of Condition						
Alignment		7	7							
Bank Stability		7	7							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) Yes				At D/S. Pipe below service level (FSL) of reservoir by 10m.						
Channel Bottom Degrading/Aggrading	AGGRADING									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	7							

				Maintenance l	Recommend	ations						
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												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF												
REPAIR SEAMS												
OTHER ACTION		2012		concrete floor, if not yet d								
OTHER ACTION		2012	Remove done.	silt/rock/drift from D/S bev	vel, if not yet							
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/N (%)	low)	w) 33.3/33.3 Sufficiency Ratii		Sufficiency Rating (Las	t/Now)	19.3/45.2	Est. Re	pl. Yr	2020	Maint. R	eqd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date			E	Estimated Tot	al 0	
Proposed Long-Term Strategy											'	
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name		Salava			Previous	ıs Assistant's Name						
Next Inspection Date		-2013			Previous	Inspection Date 04-May-2010						
Inspection Cycle (Default) (months)	21											
Comment												