Bridge Culvert Inspection														
Bridge File Number 07282 -1 Bridge Culvert						Form Type			CUL1					
Year Built		1954								2				
Bridge or Town	ridge or Town Name DELIA								Owen Salava					
Located Over			ARY TO MICHICHI CREEK, 3.35.6,				Inspector Class		BR CLS A					
		WATER					Assistant Name							
Located On		851:04 C	1 15.953				Assistant Class							
Water Body CI./Year						Inspection Date			28-Jan-2011					
Navigabil. Cl./Year							Data Entry By		Marcia Chavez					
Legal Land Loca	29 TWP 30 RGE 17 W4M				Data Entry Date		03-Mar-2011							
			21, 51:35:57					Reviewer Name		John O'Brien				
			ransportation		Review Date		03-Feb-2011							
Contract Main. Area CMA21							Dept. Reviewer Name		Chris Black					
	Clear Roadway/Skew 9.8 /						Dept. Review Date		04-Mar-2011					
AADT/Year		340 / 200					Follow	Up By						
Road Classificat		RCU-210)-110											
Detour Length (km) 5														
Bridge Culvert														
Number of Culve		1									1			
Pipe #	Barrel	S	Span	n Rise (or Dia.		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		1500		SP		37.2		152X51	3.0	ROUND		
Special Features							51.2				1010			
Special Features		ment												
op oolai i oatai o		lioin												
					Uti	ilities (L	ocated	at)						
Utility Attachmer	i						1		1					
Telephone	W r/w						Gas							
Power	E r/w	3 lines O/H.					Municipal							
Others							Problem (Y/N) No							
Remarks														
				Α				ankment	.					
					Last		Explanation of Condition Approach North end							
Horizontal Alignment					8	8	Approa	ich North	ena					
Vertical Alignment			0.000		8	8								
Roadway width	Roadway Width (m)		9.800											
Embankment					8	8								
Sideslope (:	1)		2.7											
(Height of Cov		3.7)					1							
Guardrail (Y/N)	. ,		No											
				-										
Approach Road	l / Emb	bankmen	t General Rat	ing	8	8								
						Upstre	am End							
Culvert Component			Last	Now	Explanation of Condition									
Direction				E			d by snov							
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall	· · ·			X	Х									
Collar			X	Х			_							
Wingwalls			X	Х										
(Shape :)														
Cutoff Wall			X	Х										

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	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	N	Snow drift covered.						
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW			-						
Above/Below (mm)	100									
Scour Protection		7 N		Snow covered.						
(Туре :)				-						
(Avg. Rock Size(mm) :)										
Scour/Erosion		7	N	Snow covered.						
Beavers (Y/N)	No									
Upstream End General Rating	- -	6	6	GR carried forward from 17Feb2009.						
		Bric	lge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 1500, Type: SP)						
Barrel Last Accessible Date	17-Feb-2009			Pipe closed off by snow drifts.						
Special Features										
Special Feature										
(Type :)										
Special Feature										
(Туре :)										
Roof		8	N							
Measured Rise (mm)	1480									
Measured At Ring No.	6									
Sag (mm)	20									
Percent Sag	1									
Sidewall		7	N							
Measured Span (mm)	1530									
Measured At Ring No.	6									
Deflection (mm)	30									
Percent Deflection	2									
Floor		3	N	(R2 & R4-5 have perforations in valleys on floor. 17Feb2009).						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		5	N	(Missing 10 bolts @ seam where						
Separation (mm)	0			extended. Very slight separations on 2 rings. 17Feb2009).						
Longitudinal Seams		6	N							
Total No. of Cracked Rings	0			1						
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)				(1 N Stagger. 17Feb2009).						
Proper Lap (Y/N)	No			1						
Longitudinal Stagger (Y/N)	Yes			1						
Coating		3	N	(Perforations in floor R2-5, others not far behind with deep pitting.						
Corrosion By Soil (Y/N)	Yes			17Feb2009).						
Corrosion By Water (Y/N)	Yes			1						
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									
	INU									

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Bridge Inspection & Maintenance System (Web 2005)

07282 -1 Bridge Culvert

		Bric	lge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm):		, Rise (mm): 1500, Type: SP)				
Fish Passage Adequacy		5	5	(Rating carried forward).				
Baffle			X					
(Type :)								
Waterway Adequacy		6	N					
Icing (Y/N)								
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		4	4	GR carried forward from 17Feb2009.				
Barrer General Nating		-	-					
	1	D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W		Snow drift covered.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape :)								
Cutoff Wall		X	Х					
Bevel End		4 N		(Damaged, abrasion present. Hole N side. Perforations on bottom o				
Heaving (mm)	100			bevel end. 17Feb2009).				
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	200							
Scour Protection		3	N	(Rip on S side. 17Feb2009).				
(Type:)								
(Avg. Rock Size(mm) :)								
Scour/Erosion			N	(Rip-rap and natural grass. Scour hole @ end of invert 6m x 8m x 1.5 - photo. 17Feb2009).				
Beavers (Y/N)	No		<u> </u>					
Downstream End General Rati	na	3	3	GR carried forward from 17Feb2009.				
	•							
				re Usage				
Channel (II/S and D/S)		Last	Now	Explanation of Condition				
Channel (U/S and D/S) Alignment			6					
Bank Stability			7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N) No								
Channel Bottom NONE Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :								
Channel General Rating	,	6	6					

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Maintenance Recommendations												
Inspector Recommendations			Year	Inspector Comments		Department Cor	nments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP			2011	Approx 50 m3 C1 @ D/S, if not yet do	one.							
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF												
REPAIR SEAMS												
OTHER ACTION			2011	Install concrete floor, if not yet done.								
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			44.4/44.4 Sufficiency Rating (Last/N (%)		ow) 5	53.6/63.1 Est. Repl. Yr 2030		2030	Maint. Reqd. (Y/N) Y		Yes	
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date	Estimated Total 0					
Proposed Long-Term Strategy 2003.		2003.08	3.18 Rep	place culvert in 2020.		· · · · · · · · · · · · · · · · · · ·						
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Garry			arry Roberts Previous			Assistant's Name						
Next Inspection Date 28-A		28-Apr-2	28-Apr-2014			nspection Date	17-Feb-2009					
Inspection Cycle (Default) (months) 39		39										
Comment												