					Bridg	e Culve	ert Insp	ection						
Bridge File Number 74000 -1 Bridge Culvert							Form Type			CUL1				
Year Built 1983							Lot No			1				
Bridge or Town Name DELIA						Inspec	tor Name		Owen Salava					
Located Over TRIBUT WATER			JTARY TO FARRELL LAKE, 21.2, RCRS-ST				Inspector Class BR CLS A							
			C1 24.506					ant Name						
Water Body Cl./	Year							ant Class		00.1.0044				
Navigabil. Cl./Ye							-	tion Date		28-Jan-2011				
Legal Land Loc		SW SE	C 30 TWP 33 F	RGE 17 W	′4M			ntry By		Marcia Chavez				
Longitude, Latit			4:53, 51:51:31					Data Entry Date 04-Mar-2011						
Road Authority			Transportation	(AIT)			Reviewer Name			John O'Brien				
Contract Main. Area CMA21			1							03-Feb-2011				
Clear Roadway/Skew 8.8 /							Dept. Reviewer Name Chris Black							
AADT/Year			2009 (A)				Dept. Review Date		07-Mar-2011					
Road Classifica	tion	RCU-2				Follow-Up By								
Detour Length (km)	30												
Bridge Culvert		ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	2200		MP		28		125X26	2.8	ROUND		
Special Feature	es		VERT STEEL	STRUTS			1.00							
Special Feature		ment												
					Uti	lities (L	ocated	at)						
Utility Attachme	nts						_		Ι					
Telephone Power					Gas									
Power						Municipal Problem (Y/N) No								
Others							Proble	m (Y/N)	INO					
Remarks				٨٠	nnroad	sh Poac	l / Emb	ankment						
					Last	Now		nation of		tion				
Horizontal Alignment					9	9	Hill to N. Approach to S 100m.							
Vertical Alignment			6	6										
Roadway Width (m)		8.800	3.800											
. , ,				7	7									
Embankment Sideslope (:1)		3.0	2.0		/									
(Height of Cov		2 2\	3.0				_							
Guardrail (Y/N)	ver(III) .	3.3)	No											
Guardiaii (17N)														
Approach Roa	d / Emb	oankme	ent General Rat	ting	6	6								
						Upstre	am End							
Culvert Component			Last	Now	Explar	nation of	Condi	tion						
			E											
End Treatment (Concrete, Steel, NONE Others, None)														
Headwall			Х	X										
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)														
Cutoff Wall			X	X										

Upstream End									
Culvert Component		Last Now		Explanation of Condition					
Bevel End		X	X	Explanation of Condition					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
	1000								
Above/Below (mm)	1000	6	l NI	Chaw aguard					
Scour Protection		6	N	Snow covered.					
(Type:)									
(Avg. Rock Size(mm) :)				0					
Scour/Erosion		6	N	Snow covered.					
Beavers (Y/N)	No								
Upstream End General Rating		6	6	GR carried forward from 17Feb2009.					
		Brid	dae Cu	Ivert Barrel					
Culvert Component			Now						
(Pipe # : 1, Primary Span, Locate	tion Code: MAIN. Spa			, Rise (mm): 2200, Type: MP)					
Barrel Last Accessible Date	28-Jan-2011		<u>, </u>	(Measured 2512 x 1850. 17Feb2009).					
Special Features									
Special Feature		7	7						
(Type: VERT STEEL STRUTS)									
Special Feature									
(Type:)									
Roof		2	2	Not measured due to ice.					
Measured Rise (mm)	1850	_		The tribusariou due to loo.					
Measured At Ring No.	1000								
Sag (mm)	350			(45.00/, 475.1.0000)					
Percent Sag	16			(15.9%. 17Feb2009).					
Sidewall	1.0	3	3						
Measured Span (mm)	2510								
Measured At Ring No.	3								
Deflection (mm)	310								
Percent Deflection	14								
	17	N	N	Ice					
Floor Bulge (mm)	0	IN	IN	I ICC					
Measured At Ring No.	U								
	No								
Abrasion (Y/N)	No								
Circumferential Seams	40	6	6						
Separation (mm)	40								
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)									
Longitudinal Stagger (Y/N)									
Coating		4	4	Some pitting lower half.					
Corrosion By Soil (Y/N)	No			Heavy corrosion with light pitting lower sidewalls					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	Yes			Holds 1000 mm of water.					

74000 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last Now		•				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):		, Rise (mm): 2200, Type: MP)				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		6	6					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		4	4	Raised 2 points due to struts.				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W						
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		X	X					
Collar		X	X					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		X	Х					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1200		_					
Scour Protection		7	N	Snow covered.				
(Type :)								
(Avg. Rock Size(mm):)			_					
Scour/Erosion		7	N	Snow covered.				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7	GR carried forward from 17Feb2009.				
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			7	Rock at ends maintains streambed at original elevation.				
Bank Stability			7					
HWM (m below Top of Culvert)				No visible HWM				
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		7	7					

		Maintenance	Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
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/N (%)	ow) 44.4/44	.4 Sufficiency Rating (La (%)	st/Now) 57.3/57.6	Est. Repl. Yr	2020 Maint. Re	eqd. (Y/N)	No
Special Barrel has not gotte required at this time Next Inspection	en worse since 1 e. LRA sent to A	992 & is now strutted with steel stru Γ 31Jan2011 by email.	uts. No action Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	al O	
Proposed Long-Term Strategy	2003.08.19 Ob	serve culvert on normal BIM. Repla	ace culvert in 2015.				
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name	Previous Assistant's Name			
Next Inspection Date	28-Apr-2014		Previous Inspection Date	17-Feb-2009			
Inspection Cycle (Default) (months)	39		,	1.0.2.0			
Comment							