					Brida	ie Culve	ert Insne	ection						
Bridge File Number 73130 -1 Bridge Culvert					Dirag	C Garve	Form Type			CUL1				
Year Built 1985							Lot No.		1					
Bridge or Town Name COUNT							Inspector Name			Jon Davies				
Located Over							Inspector Class			BR CLS B				
Located On							Assistant Name							
Water Body Cl./Year							Assistant Class							
Navigabil. Cl./Year							Inspect	Inspection Date		11-Feb-2012				
		SW SEC						Data Entry By		Lauren Korte				
		-112:18:3	34, 50:43:56				Data Entry Date		18-Mar-2012					
		Alberta T	ransportation	(AIT)			Reviewer Name		Garry Roberts					
							Review Date		27-Feb-2012					
Clear Roadway	//Skew	27.1 /							Tim Davies					
AADT/Year		6,860 / 20	010 (A)				Dept. Review Date		22-Mar-2012					
Road Classifica	ation	RFD-412	.4-130				Follow-	Up By						
Detour Length	(km)	1												
Bridge Culver	t Inform	ation												
Number of Culv	verts	1												
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	3	840	2450		RPE		75.6		152X51	4.0	ELLIPSE		
Special Feature	es													
Special Feature	es Comr	ment												
					114	:::::::::::::::::::::::::::::::::::::::		~ 4\						
Utility Attachme	onte				Οt	ilities (L	ocateu	at)						
		& North r	/\n/				Gas							
Power	Telephone South & North r/w.					Municipal								
Others	·				Problem (Y/N) No			No						
Remarks							T TODICI	11 (1/14)	110					
rtemante				Ar	oproac	ch Road	l / Emba	ankment						
					Last		Explanation of Condition							
Horizontal Aligi	nment				7	7	On curve - superelevated.							
Vertical Alignm	ent				7	7	Limited sight distance.							
Roadway Widtl	Roadway Width (m) 27.100					J								
Embankment					7	7	5:1 No	th side.						
Sideslope (:1)		3.0				1							
(Height of Co		2.5)	-											
Guardrail (Y/N) Yes														
Approach Roa	nd / Emb	oankment	General Rat	ing	7	7								
						Upstre	am <u>End</u>							
Culvert Comp	onent				Last	Now		ation of	Condi	tion				
Direction							South.							
End Treatment Others, None)	(Concre	ete, Steel,	STEEL											
Headwall					Х	Х								
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)														
Cutoff Wall			Х	Х										

			Hasta	om End				
Culvert Comment				Explanation of Condition				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	000	N	6					
Heaving (mm)	200							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	600		_	1.				
Scour Protection		7	7	Ingrown.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Brid	dae Cu	lvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Local	tion Code: MAIN S							
Barrel Last Accessible Date	11-Feb-2012	-pari (IIIII	.,. 554 0					
Darrot Last Accessible Date	11105-2012							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		N	3	Roof flattening @ U/S 1/3 of pipe.				
Measured Rise (mm)	2090			Shape OK in remainder of pipe.				
Measured At Ring No.	3			Est at U/S 1/3.				
Sag (mm)	360							
Percent Sag	14							
Sidewall		N	5					
Measured Span (mm)	4042							
Measured At Ring No.	3							
Deflection (mm)	202							
Percent Deflection	5							
Floor		N	N	Ice covered.				
Bulge (mm)		IV	IN	_ loc covered.				
Measured At Ring No.								
Abrasion (Y/N)								
		N.I.	6					
Circumferential Seams	0	N	6	-				
Separation (mm)	0							
Longitudinal Seams		N	5	In area of flat roof 3mm gap max between plates.				
Total No. of Cracked Rings	0			Lower sidewall and floor not visible.				
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)	0							
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N)	No							
Coating		N	6	Superficial corrosion below water line.				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

		Brid		vert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 3840	, Rise (mm): 2450, Type: RPE)
Fish Passage Adequacy		7	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		3	3	
				ream End
Culvert Component		Last	Now	Explanation of Condition
End Treatment (Concrete, Steel,	STEEL			North end.
Others, None)		V		
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	X	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		N	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		7	7	Ingrown.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	N	6	
		s	tructur	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				No HWM 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		7	7	

			Maintenance	Recommendations					
Inspector Recomn	nendations	Year	Inspector Comments		Department Comments				
SHOTCRETE REPAIRS			•	·			Target Year		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING		i							
INSTALL STRUTS	8								
INSTALL CONCRETE COLLAR/CUTOFF		OFF							
REPAIR SEAMS									
OTHER ACTION		2012	Dewater & perform level II. Considerise chord for roof sag measurement	der install of ent.					
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition (%)	tion Rating (Last/N	ow) 33.3/3	3.3 Sufficiency Rating (Las (%)	st/Now) 53.8/54.8	Est. Repl. Yr	2012	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	sidewall deflect. Or	from last barre	stable. Confirmed location of worst sel access date. Recommend actual ri 2 prior to estimate of year of replace	se Comments					
Maintenance Reviewed By				Date		Es	stimated Tota	1 0	
Proposed Long-Te	<u> </u>								
On 3-Year Progra	m (Y/N)								
Proposed Action									
Previous Inspector's Name Jaso		Jason Rusu		Previous Assistant's Name	Previous Assistant's Name				
		11-Nov-2013		Previous Inspection Date	Previous Inspection Date 08-Aug-2010				
Inspection Cycle (Default) (months) 21		21							
Comment									