Bridge Culvert Inspection													
Bridge File Number 76042 -1 Bridge			ridge Culvert			Form Type			CUL1				
Year Built 1965						Lot No.			4				
Bridge or Town	Name SW/	N HILLS					Inspector Name		Russel Vanderschaaf				
Located Over	I RII   8.11	801ARY TO CHA 80.39.15.2. WAT	0.39.15.2, WATERCRS-ST				or Class		BR CLS B				
Located On	33:1	4 C1 3.519				Assistant Name							
Water Body CI./Year						Assistant Class			11 Eab 2012				
Navigabil. Cl./Ye	ear					Inspection Date			Therese Leave	4-			
Legal Land Loca	ation SW	SEC 14 TWP 69	RGE 9 W5M	Λ		Data E	Data Entry By I heresa Lacusta			ia			
Longitude, Latitude -115:15:40, 54:58:08						Data E	Data Entry Date 13-Apr-2013						
Road Authority	rta Transportatio	n (AIT)			Review Date								
Contract Main. Area CMA06						Dent Reviewer Name		07-Apr-2013					
Clear Roadway/Skew 10.7 /							Dept. Reviewer Name						
AADT/Year	770	′ 2012 (A)	2 (A)										
Road Classificat	tion RAL	-210-110				гоном-ор ву							
Detour Length (	km) 99												
Bridge Culvert	Bridge Culvert Information												
Number of Culv	erts	1							I	1			
Pipe #	Barrel	Span	Rise (or D	)ia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-	3050		SP		82.9		152X51	4.2	ROUND		
Special Feature	s												
Special Feature	Special Features Comment												
				+;	litios (l	ocated	at)						
Utility Attachme	nts			Οti			aty						
Telephone						Gas							
Power 3 wire East r/w.						Municir	pal						
Others						Probler	Problem (Y/N) No						
Remarks			1										
			Арр	proac	h Road	d / Emba	ankment						
			L	Last	Now	Explan	ation of	Condi	tion				
Horizontal Align	ment			7	7	Curve north end.							
Vertical Alignment			7	7	No passing.								
Roadway Width	(m)	10.700											
Embankment		·		6	6								
Sideslope (	:1)	3.0											
(Height of Cov	ver(m) : <b>10.5</b>												
Guardrail (Y/N)		Yes											
Approach Road	d / Embank	nent General Ra	ating	7	7								
					Upstre	am End							
Culvert Compo	nent		L	Last	Now	Explan	ation of	Condi	tion				
Direction			E	E		-							
End Treatment ( Others, None)	(Concrete, S	teel, CONCRET	E		-								
Headwall				6	6	Hairline crack on face.							
Collar				Ν	N	Under	snow						
Wingwalls				Х	Х								
(Shape : )													
Cutoff Wall				Ν	N								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		N	N	Under ice/snow					
Heaving (mm)	200								
Invert Above/Below Stream Bed	BELOW			Couldn't tell due to snow.					
Above/Below (mm)	500								
Scour Protection			N	Under snow					
(Type : NONE)				_					
(Avg. Rock Size(mm) : )			1						
Scour/Erosion		N	N	Scour 1mx1mx0.8 deep at cut off wall24-Jul-2009					
Beavers (Y/N) No									
Upstream End General Rating	Upstream End General Rating			GR carried fwd.					
		Brid	dae Cu	vert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 3050, Type: SP)					
Barrel Last Accessible Date	24-Jul-2009			Ice 2.1m to culvert crown and 1.5m @ CL.					
Special Features	1								
Special Feature									
(Type:)				Only measured to R14 due to ice height.					
Special Feature									
(Туре : )									
Roof		N	N						
Measured Rise (mm)	3020			estimated due to ice					
Measured At Ring No.	14								
Sag (mm)	30								
Percent Sag	1								
Sidewall		N	7						
Measured Span (mm)	3102								
Measured At Ring No.	14								
Deflection (mm)	52								
Percent Deflection	2								
Floor		N	N						
Bulge (mm)	0								
Measured At Ring No.	14								
Abrasion (Y/N)	Yes								
Circumferential Seams		N	6						
Separation (mm)	0								
Longitudinal Seams		N	6						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams				1N stagger24-Jul-2009					
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	Yes		1						
Coating		N	4	Pitting rust 1m strip of floor (along floor)24-Jul-2009					
Corrosion By Soil (Y/N)	Yes								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

76042 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 3050, Type: SP)					
Fish Passage Adequacy			3	d/s end above S.Bphoto					
Baffle			Х						
(Type : )									
Waterway Adequacy		4	4	(Icing-Scour d/s24-Jul-2009					
Icing (Y/N)	Yes								
Silting (Y/N)	No			_					
Drift (Y/N) No									
Barrel General Rating		N	6						
	1	D	ownst	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	1	W		-					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		X	X						
Collar		X	X						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		N	N	Bolts pulled through top edge of bevel. Bevel pulled downwards and					
Heaving (mm)	0			Snow covered.					
Invert Above/Below Stream Bed	Above/Below Stream Bed ABOVE			_					
Above/Below (mm) 1500									
Scour Protection	Scour Protection		N	Scoured d/s -filled with rock24-Jul-2009					
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion		N	N	Under snow.					
Beavers (Y/N)	No								
Downstream End General Ration	ng	4	4	GR carried fwd.					
		s	Structu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			7						
Bank Stability			6						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) Yes				d/s channel					
Channel Bottom DEGRADING Degrading/Aggrading				(Downstream is degraded only - 1.0m.					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)		_						
Channel General Rating			7						

Maintenance Recommendations										
Inspector Recommendations		Inspector Comments		Department Comm		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	FF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No (%)	ow) 55.6/	55.6/66.7 Sufficiency Rating (La (%)		39.9/45.3	Est. Repl. Yr 2022		Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection		Department Comments								
Maintenance Reviewed By			Date		E	Estimated Total	0			
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Brian Pients	Brian Pientsch Previous			Assistant's Name Lisbeth Medin					
Next Inspection Date 11-No		4	Previous	us Inspection Date 05-Apr-2011						
Inspection Cycle (Default) (months) 21										
Comment										