					Brida	e Culve	ert Inspe	ection					
Bridge File Number 77247 -1 Bridge Culvert					Jinag	o ourre	Vert Inspection Form Type			CUL1			
Year Built	1970						Lot No.	••		2			
Bridge or Town Name BLUEBERRY MT								spector Name		Russel Vanderschaaf			
Located Over TRIBUTARY TO HAMELIN CRE				ELIN CREE			Inspector Class			BR CLS B			
8.10.83.4, WATERCRS-ST				S-ST			Assistant Name						
Located On		725:02 0	1 15.285				Assistant Class						
Water Body Cl./					-		Inspect	ion Date		06-Mar-2012			
Navigabil. Cl./Year							Data Entry By		Theresa Lacusta				
Legal Land Location SE SEC 32 TWP 80							Data Entry Date		27-Mar-2012				
Longitude, Latitude -119:12:36, 55:58:3							Reviewer Name		Eric Carcoux				
Road Authority			Fransportation	(AIT)			Review Date		22-Mar-2012				
Contract Main.		CMA05			Dept. Re		Reviewer Na	ame	David Morrison				
Clear Roadway	/Skew	9.2 /				Dept. Review Date		)	18-Oct-2012				
AADT/Year		390 / 20				Follow-Up By							
Road Classifica		RAU-20	9-110				-						
Detour Length (		23											
Bridge Culvert													
Number of Culv		· · · · · · · · · · · · · · · · · · ·	·		<b>D:</b> ) <b>-</b>			ا مع جدا		0 0 (1		Chana	
Pipe #	Barrel		Span	Rise (or D	ла.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		429	1575		SPE		81		152X51	3.0	ELLIPSE	
				llipsed.									
Utility Attachme				•	Uti	lities (L	_ocated	at)					
Utility Attachme Telephone					Uti	lities (L	Gas						
Special Feature Utility Attachme Telephone Power Others					Uti	lities (l		pal	0				
Utility Attachme Telephone Power Others					Uti	lities (L	Gas Municip	pal	0				
Utility Attachme Telephone Power Others							Gas Municip Probler	pal	0				
Utility Attachme Telephone Power Others				Арр		ch Road	Gas Municip Probler	pal m (Y/N) N		ion			
Utility Attachme Telephone Power Others Remarks	ents			Арр	proac	ch Road	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit	ion DTH DIRECTIC	DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align	ents			Арр	proac Last	ch Road	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme	ents		9.200	Арр	proac Last 7	ch Road Now 7	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width	ents		9.200	Арр	proac Last 7	ch Road Now 7	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width	ents		9.200	Арр	proate Last 7 8	h Road Now 7 8	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment	ents			Арр	proate Last 7 8	h Road Now 7 8	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ents			Арр	proate Last 7 8	h Road Now 7 8	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope ( (Height of Cov Guardrail (Y/N)	ents	7)	3.0 No		proate Last 7 8	h Road Now 7 8	Gas Municip Probler d / Emba	oal m (Y/N) M ankment ation of C	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope ( (Height of Cov Guardrail (Y/N)	ents	7)	3.0 No		proac Last 7 8 7 7	th Road Now 7 8 7 7	Gas Municip Probler <b>d / Emba</b> <b>Explan</b> CURVE	ankment ation of Co ES 0.5 KM	ondit		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope ( (Height of Cov Guardrail (Y/N) Approach Roa	ents	7)	3.0 No	App 1	proac Last 7 8 7 7	th Road Now 7 8 7 7	Gas Municip Probler d / Emba Explan CURVE	ankment ation of Co ES 0.5 KM	DIN BO		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ents	7)	3.0 No	App L L L L L L	<b>Droad</b> Last 7 8 7 7	th Road Now 7 8 7 7 7 7 Upstre	Gas Municip Probler d / Emba Explan CURVE	ankment ation of Co ES 0.5 KM	DIN BO		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ents	7) Dankmen	3.0 No t General Ra	App L L L L L L	proate Last 7 8 7 7 7 7	th Road Now 7 8 7 7 7 7 Upstre	Gas Municip Probler d / Emba Explan CURVE	ankment ation of Co ES 0.5 KM	DIN BO		DNS		
Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ents	7) Dankmen	3.0 No t General Ra	App L L L L L L	proate Last 7 8 7 7 7 7	th Road Now 7 8 7 7 7 7 Upstre	Gas Municip Probler d / Emba Explan CURVE	ankment ation of Co ES 0.5 KM	DIN BO		DNS		
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Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ents	7) Dankmen	3.0 No t General Ra	App L L L L L L	proate Last 7 8 7 7 7 7 <b>7</b>	Characterization   Now   7   8   7   8   7   9   7   10 <td< td=""><td>Gas Municip Probler d / Emba Explan CURVE</td><td>ankment ation of Co ES 0.5 KM</td><td>DIN BO</td><td></td><td>DNS</td><td></td></td<>	Gas Municip Probler d / Emba Explan CURVE	ankment ation of Co ES 0.5 KM	DIN BO		DNS		

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	1	N	6	Bevel end and first 2 rings heaved2002-07-14
Heaving (mm)	1000			
Invert Above/Below Stream Bed				_
Above/Below (mm)	0		-	
Scour Protection		N	6	
(Туре:)				_
(Avg. Rock Size(mm) : )			-	
Scour/Erosion		N	6	
Beavers (Y/N)	No	-		
Upstream End General Rating		6	6	
		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp			
Barrel Last Accessible Date	06-Mar-2012			
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Туре : )				
Roof		8	7	
Measured Rise (mm)	1595			
Measured At Ring No.	15			
Sag (mm)	20			
Percent Sag	1			
		_		Upward deflection.
Sidewall		5	7	Hole in sidewall at ring 19 360 x 300.
Measured Span (mm)	1476			Repaired with piece of 68 X13
Measured At Ring No.	15			oUTWARD DEFLECTION
Deflection (mm)	54			
Percent Deflection	4			
Floor		7	7	Repaired with piece of 68 x 13.
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams		7	7	-
Separation (mm)	0			
Longitudinal Seams		7	7	-
Total No. of Cracked Rings	0			-
Total No. of Rings with Two Cracked Seams				-
Min. Remaining Steel Between Cracks (mm)				-
Proper Lap (Y/N)	No			-
Longitudinal Stagger (Y/N)	No			
Coating	1	4	4	Pitting rust on floor.
Corrosion By Soil (Y/N)	No			_
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77247 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	Drop off at outlet.
Baffle		X	X	
(Type:)				
Waterway Adequacy		5	5	
Icing (Y/N)	No		0	
Silting (Y/N)	No			U/S bevel plugged with 100-300mm dia. driftphoto
Drift (Y/N)	Yes			
Barrel General Rating	165	5	7	
Land Constantiating				
Culvert Component			ownstr Now	ream End
Direction		Last E	NOW	Explanation of Condition
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		X	X	
Wingwalls		X	Х	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		6	3	Hanging bevel udermined 0.5mphoto
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	1000			
Scour Protection		4	3	
(Type : )				Constraints to the Addition Constraints and the Addition of th
(Avg. Rock Size(mm) : )				Scour hole 12Lx6mWx1mD-photo
Scour/Erosion		4	3	Scour hole 12Lx6mWx1mD-photo
Beavers (Y/N)	No			
Downstream End General Rati	ng	4	3	
			1	
		1	Now	re Usage Explanation of Condition
Channel (U/S and D/S)		Last	NOW	
Alignment		7	7	
Bank Stability			6	SLUMPING D/S 70-100 M.
HWM (m below Top of Culvert)				HWM NOT VISIBLE
Drift (Y/N)	No			1
Channel Bottom Degrading/Aggrading	DEGRADING			DEGRADATION D/S OF CULVERT
Beavers (Y/N)	No			1
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating		5	7	

Alberta Transportation

77247 -1 Bridge Culvert

				Maintenance	e Recommen	dations					
Inspector Recommendations		Year	Year Inspector Comments			Department Comments			Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION		2012	U.S end								
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION		2012	Repair ha	anging bevel.							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/77.8		Sufficiency Rating (La (%)	ast/Now)	47.9/58.7	Est. Repl.	Yr 2020	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date			Estimated Tota	I 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Brian Pi	ientsch			Previous	Assistant's Name Tim Miskiman		skiman			
Next Inspection Date 06-Ju		2015			Previous	Inspection Date 09-Jan-2009					
Inspection Cycle (Default) (months)	39										
Comment											