Bridge Culvert Inspection														
Bridge File Number 01903 -1 Bridge			Bridge Culver	ridge Culvert			Form Type		CUL1					
Year Built 1970 Bridge or Town Name ARROW/W/OOD						Lot No.				2				
Bridge or Town N	Name AR	ROW	WOOD					Inspector Name		Garry Roberts				
Located Over	2N			RY TO E	BOW R	IVER,	Inspector Class		BR CLS A					
	2.1	3.16.1	, WATERCRS	5-51			Assistant Name							
Located On	54	7:04 C	51 10.721				Assistant Class							
Water Body CI./Y	rear						Inspection Date		03-Jan-2012					
Navigabil. Cl./Year							Data Entry By		Anne Roberts					
Legal Land Location NE SEC 9			9 TWP 21 RGE 23 W4M				Data Entry Date		30-Jan-2012					
Longitude, Latitude -113:07:5			67, 50:46:17		Reviewer Name		Joel Wozney							
Road Authority Alberta II			ransportation		Review Date		05-Jan-2012							
Class Deadway (Class					Dept. Reviewer Name		Tim Davies							
Clear Roadway/Skew 8.5 /		10 (A)				Dept. Review Date		06-Feb-2012						
Road Classificati	940 ion Pl	11 200	10 (A)			Follow-Up By								
Dotour Longth (k		0-209	-110											
Detour Length (km) 55														
Number of Culverts 1														
Pipe # B	Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab	Shape		
1 N	/AIN	2	320	2560		SPE		42.9		152X51	3.5	ELLIPSE		
Special Features	3						42.9 132731 3.3							
Special Features Comment														
					Uti	lities (L	ocated	at)						
Utility Attachmen	nts						-							
Telephone	North r/w.													
Power	3 wires 10	s 10m west c/l.												
Others							Probler	n (Y/N)	No					
Remarks				•		l D								
						Now	Finishing Condition							
Horizontal Alignment			5	5	Hill and curve to South									
Vertical Alignment				5	5									
Ventical Alignment						Ū	4:1 to 2	4:1 to 2:1 both sides.						
Roadway Width	(m)		8.500											
						-								
Embankment					7	7	-							
Sideslope (:	1)		2.0											
(Height of Cove	er(m) : 2.6	5)	1											
Guardrail (Y/N)			No											
Approach Road	/ Emban	kment	General Rati	ing	5	5								
	Upstream End													
Culvert Component					Last	Now	Explan	ation of 0	Condit	tion				
Direction N														
End Treatment (Others, None)	Concrete,	Steel,	STEEL											
Headwall					Х	Х								
Collar				Х	Х									
Wingwalls			Х	Х										
(Shape :)														

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	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Cutoff Wall		X	X								
Devel Feed			0	Minelian 7 halfa							
Bevel End			6	Nissing 7 doits.							
	0										
Invert Above/Below Stream Bed BELOW											
Above/Below (mm)	200		1								
Scour Protection		N	7								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 500)			1								
Scour/Erosion		N	7								
Beavers (Y/N)	No										
Upstream End General Rating		6	6								
		Brid	lae Cu	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 2320	. Rise (mm): 2560. Type: SPE)							
Barrel Last Accessible Date	03-Jan-2012		,. 1020								
Darrei Last Accessible Date	03-341-2012										
Special Features											
Special Feature				2000mm dis. 125x25 corrugation liner with couplers at inside dia.							
(Type :)											
Special Feature											
(Type :)											
Roof		6	6	Uneven install of liner.							
Measured Rise (mm)	2000			Roof is void of grout at several areas.							
Measured At Ring No.	3			Localized construction burges from grouting							
Sag (mm)	0										
Percent Sag	3										
Sidewall	•	6	6	Uneven install of liner							
Measured Span (mm)	2020		U								
Measured At Ring No	1										
Deflection (mm)	20										
Percent Deflection	1										
	1	N	7								
	0	IN	1								
	U										
	Na										
	INO	_									
	00	5	4	Foam rope filler is displaced at R3/R4 joint with void.							
Separation (mm)	80		-								
	0	1	1	Uniy ∠m @ each end is visible of original barrel.							
Total No. of Cracked Rings	0			-							
Total No. of Rings with Two Cracked Seams	0			1N stagger							
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N) No											
Longitudinal Stagger (Y/N) Yes											
Coating		7	6								
Corrosion By Soil (Y/N) No			.								
Corrosion By Water (V/N)	No										
	7500										
Camper POS/ZERO/NEG	ZERU										

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Bridge Inspection & Maintenance System (Web 2005)

		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2320	, Rise (mm): 2560, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy			5	
Baffle		X	Х	
(Туре :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			6	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			Х	
Wingwalls			Х	
(Shape :)				
Cutoff Wall			Х	
Bevel End		6	6	Bent @ end.
Heaving (mm)	50			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		N	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 350)				
Scour/Erosion			6	Scour hole - minor. Rock at bottom
Beavers (Y/N)	No			
Downstream End General Ration	ng	6	6	
			Structu	
		Last	Now	Explanation of Condition
Channel (U/S and D/S)	1	1-000	1	
Alignment			6	Sharp turns U/S and D/S.
Bank Stability			6	
HWM (m below Top of Culvert) 1.5				No visible HWM
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating			6	

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01903 -1 Bridge Culvert

Maintenance Recommendations											
Inspector Recommendations		Year	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/CUTOFF											
REPAIR SEAMS		2012	Fill void and seam at R3/R4 with grou	ıt							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		66.7/66.	7 Sufficiency Rating (Last/N (%)	ow) 6	60.2/66.4	Est. Repl. Yr	2025	Maint. Re	qd. (Y/N)	Yes	
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	Tom Ca	arey		Assistant's Name							
Next Inspection Date 03-A		03-Apr-2015			Previous Inspection Date 05-Feb-2010						
Inspection Cycle (Default) (months) 39											
Comment											