1					Bridg	e Culve	ert Inspe	ection					
Bridge File Nun	nber	73639 -	1 Bridge Culver			Form Type		CUL1					
Year Built/Lineo	b	1972/20	72/2012					Lot No.		2			
Bridge or Town	Name	HORBU	URG				Inspector Name		Garry Roberts				
Located Over		JACKFI	KFISH CREEK, 6.165, WATERCRS-S			RS-ST	Inspector Class			BR CLS A			
Located On		11:08 C	08 C1 7.851				Assistant Name						
Water Body Cl.	/Year						Assista	int Class					
Navigabil. CI./Y	'ear						Inspection Date		14-Feb-2012				
Legal Land Loc	ation	SW SEC	C 6 TWP 41 RGE 11 W5M				Data Entry By			Marcia Chavez			
Longitude, Latit	tude	-115:34	37, 52:29:59				Data Entry Date			05-Apr-2012			
Road Authority Alberta T			Transportation		Reviewer Name			John O'Brien					
Contract Main. Area CMA18					Review Date		23-Mar-2012						
Clear Roadway/Skew 15.8 / 45			deg. (RHF)				Dept. Reviewer Name		Andrew Smikles				
AADT/Year 1,350 / 2		:011 (A)				Dept. Review Date		10-Apr-2012					
Road Classification RAU-213		3.4-120				Follow-Up By							
Detour Length	(km)	80											
Bridge Culvert	Inform	ation											
Number of Cull	/erts		1 Cror	Dian (ar		T		L a ra artila		Corr Drofile		Chana	
Pipe #	Barrei		Span	Rise (or I		туре		Length		Corr. Profile	Thickness	Snape	
2	MAIN F	ULL	-	1200		SSP		92.7			10.0	ROUND	
	LINER												
Special Feature	es												
Special Feature	es Comr	ment	1200mm smoo	th wall ste	eel pip	e liner -	full leng	th.					
					Uti	lities (I	ocated	at)					
Utility Attachme	ents												
Telephone	South	r/w.					Gas						
Power							Municipal						
Others							Problem (Y/N) No						
Remarks													
				A	oproad	ch Road	l / Emba	ankment					
					Last	Now	Explanation of Condition						
Horizontal Aligr	nment				7	7	Passing lane WB. Crest to W. Intersection 60m E.						
Vertical Alignm	ent				7	7							
Roadway Width	ר (m)		15.800										
Embankment					Q	Q	South side measured.						
	•1)		3.0										
(Height of Co	<u></u>) ver(m) ·	57)	0.0										
Guardrail (Y/N)	ver(iii) .	0.1)	No										
Approach Roa	d / Emb	bankmer	nt General Rat	ing	7	7							
						Unstra	am End						
Culvert Compo	onent				Last	Now	Fxplan	ation of (Condi	tion			
Direction					N		Explain		Jonan				
End Treatment	(Concre	ete, Stee	I, STEEL										
Others, None)	(, -			1							
Headwall						8	Steel p	late & forr	n for li	ner.			
Collar						X							
						~							
Wingwalls						Х							
(Shape :)													
Cutoff Wall						Х							

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End			6	Minor bends & dents.
Heaving (mm)	100			
Invert Above/Below Stream Bed				At streambed.
Above/Below (mm)				
Scour Protection			6	Some rocks.
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			6	
Beavers (Y/N)	No			
Upstream End General Rating	1		6	
		Brid	lae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2. Primary Span. Locat	tion Code: MAIN. Spa	n (mm)):	Rise (mm): 1200. Type: SSP)
Barrel Last Accessible Date	14-Feb-2012			SWP liner is no longer bridge-sized.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Туре :)		1		
Roof			9	1200mm round, smooth wall steel pipe liner grouted in original
Measured Rise (mm)				1429x1575 SPE.
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			9	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			9	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams			8	Welded seams.
Separation (mm)	0			
Longitudinal Seams			X	
Total No. of Cracked Rings				4
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating			Х	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

73639 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel				
Culvert Component		Last Now		Explanation of Condition				
(Pipe # : 2, Primary Span, Loca	ion Code: MAIN, Spa	an (mm):		, Rise (mm): 1200, Type: SSP)				
Fish Passage Adequacy			5	Requires high water to accomodate fish.				
Baffle			Х					
(Туре :)								
Waterway Adequacy			7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating			9					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S		-				
End Treatment (Concrete, Steel, Others, None)	STEEL		_					
Headwall			9	Steel plate form for liner.				
Collar			X					
Wingwalls			Х					
(Shape :)		1						
Cutoff Wall			X					
Bevel End			6	Minor tear in bevel corner.				
Heaving (mm)	0							
Invert Above/Below Stream Bed				At streambed.				
Above/Below (mm)	0							
Scour Protection			7	Mix of CL1 & 2 placed Feb 2012.				
(Type : RIP RAP)				-				
(Avg. Rock Size(mm) : 300)		1						
Scour/Erosion			7					
Beavers (Y/N)	No							
Downstream End General Ratin	ıg		6					
		9	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7					
Bank Stability			7	Silt fence at u/s & from liner installation.				
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom NONE Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)	1	_					
Channel General Rating		7	7					

			Maintenance Recomm	nendations					
Inspector Recommendations	Year	Inspecto	or Comments	Department Comm	ments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTC	DFF								_
REPAIR SEAMS									
OTHER ACTION	2012	Remove early su	e silt fence, seeding & site clean-up mmer.	o in					
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	ow) 44.4/1	0.0	Sufficiency Rating (Last/Now) (%)	35.8/84.3	.8/84.3 Est. Repl. Yr 2065		Maint. Reqd. (Y/N)		Yes
Special Comments for Next Inspection	installed & gro idge-sized; tur	uted in Feb n-off inspec	o 2012. ction flag.	Department Comments					
Special Comments for Next Inspection 1200mm SWP liner Liner is no longer bit Maintenance Reviewed By	installed & gro idge-sized; tur	uted in Feb n-off inspec	o 2012. ction flag.	Department Comments Date		E	Estimated Total	0	
Special Comments for Next Inspection 1200mm SWP liner Liner is no longer bit Maintenance Reviewed By Proposed Long-Term Strategy	installed & gro idge-sized; tur Liner of this pi	uted in Feb n-off inspect pe is feasil	o 2012. ction flag. ole, adequate capacity with modes	Department Comments Date t (2m/s) velocity at desig	n Q. Suggest pipe	E be lined	Estimated Total when condition	0 warrants. D	H
Special Comments for Next Inspection 1200mm SWP liner Liner is no longer bit Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	installed & gro idge-sized; tur	uted in Feb n-off inspec	o 2012. ction flag. ole, adequate capacity with modes	Department Comments Date t (2m/s) velocity at desig	ın Q. Suggest pipe	E be lined	Estimated Total	0 warrants. D	H
Special Comments for Next Inspection 1200mm SWP liner Liner is no longer bit Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action	installed & gro idge-sized; tur	uted in Feb n-off inspec	o 2012. ction flag. ole, adequate capacity with modes	Department Comments Date t (2m/s) velocity at desig	ın Q. Suggest pipe	E be lined	Estimated Total	0 warrants. D	H
Special Comments for Next Inspection 1200mm SWP liner Liner is no longer bit Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	installed & gro idge-sized; tur Liner of this pi Owen Salava	uted in Feb n-off inspec	o 2012. ction flag. ole, adequate capacity with modes	Department Comments Date t (2m/s) velocity at desig	n Q. Suggest pipe	be lined t	Estimated Total when condition	0 warrants. D	H
Special Comments for Next Inspection 1200mm SWP liner Liner is no longer bit Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date	installed & gro idge-sized; tur Liner of this pi Owen Salava 14-Nov-2013	uted in Feb n-off inspec	o 2012. ction flag. ole, adequate capacity with modes Previ	Department Comments Date t (2m/s) velocity at desig	yn Q. Suggest pipe	E be lined t	Estimated Total when condition	0 warrants. D	H
Special Comments for Next Inspection 1200mm SWP liner Liner is no longer bit Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Inspection Cycle (Default) (months)	installed & gro idge-sized; tur Liner of this pi Owen Salava 14-Nov-2013 21	uted in Feb	o 2012. ction flag. ole, adequate capacity with modes Previ Previ	Department Comments Date t (2m/s) velocity at desig	n Q. Suggest pipe	E be lined t	Estimated Total	0 warrants. D	H