Bridge Culvert Inspection													
Bridge File Number 7		70052 -1 Bridge Culvert					Form Type		CUL1				
Year Built 1970			0				Lot No	Lot No. 1					
Bridge or Town	Name	GIBBON	ONS				Inspec	tor Name	Kris Bosters				
Located Over		STURGE	RGEON RIVER, 6.65, WATERCRS-ST					tor Class	BR CLS A				
Located On		28A:03 F	3 R1 13.795;28A:03 L1 13.795					ant Name	Brian Cote				
Water Body CI./Year							Assista	ant Class					
Navigabil. Cl./Year							Inspec	tion Date	10-Apr-2012				
Legal Land Location SW S		SW SEC	SEC 14 TWP 56 RGE 23 W4M				Data Entry By Lisa Fairhurst						
Longitude, Latitude -113:1		-113:19:2	20, 53:50:23				Data E	intry Date	25-Apr-2012				
Road Authority Alberta		Alberta T	ransportation				ver Name	Eric Carcoux					
Contract Main. Area CMA09		CMA09)9					Review Date 25-Apr-2012					
Clear Roadway/Skew 30.2 / 4			40 deg. (RHF)					Dept. Reviewer Name Brent Herrick					
AADT/Year 4,220 /		4,220 / 2	/ 2011 (A)					Dept. Review Date 04-May-		May-2012			
Road Classifica	ation	RAU-211	11.8-110				Follow-Up By						
Detour Length	(km)	3											
Bridge Culvert Information													
Number of Culv	/erts	1						1		1			
Pipe #	Barrel	S	Span	Rise (or Dia.)		Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	7	600	7600		AP		194.5			ARCH		
Special Feature	es												
Special Feature	Special Features Comment												
Litility Attachme	onto				Οt	inties (L		at)					
	Eact r	·// •/											
Power		$\frac{7}{100}$					Municipal						
Others	2 11103	5 6431 1/10	•				Problem (Y/N) No						
Remarks	Bridge	e plaque S	plaque SW wingwall & NE corper of East beadwall										
Approach Road / Embankment													
				Last	Now	Explanation of Condition							
Horizontal Alignment			7	7	Bermed area 25m wide on east side. Located on transition from 4								
Vertical Alignment					7	7	lane to	2 lane. 2 lanes	from the south.				
Roadway Width (m)			12.000										
Embankment					4	4	Upper	Jpper 3:1 sidesleope and lower 2:1 on the west embar		ankment, 5m on			
Sideslope (:1)		2.0				West, 7.5m on East. Ditch gully along NW bank has developed to							
Sideslope (:1) 2.0 (Height of Cover(m) : 5)					1		grasses - photo (Ditch gullies along NW bank. (0.6m x 0.6m x 30m long . Concrete debris @ ditch drainage in SW corner stable.						
Guardrail (Y/N)			Yes			There is minor creasing along the flexbeam guardrail.							
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7							
						Upstre	am Enc	l					
Culvert Compo	onent				Last	Now	Explar	nation of Condit	tion				
Direction			W		With steel rail at top.								
End Treatment (Concrete, Steel, CONCRETE Others, None)													
Headwall					7	7							
Collar			X	Х									
Wingwalls				6	6	Three medium cracks on SW corner. There is cracking at all				ng at all			
(Shape :)							wingwalls. Concrete spall SW wingwall & tie holes.				-		
Cutoff Wall					N	N							
				· ·									

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		Х	X							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	600									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 450)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		6	6							
		Bric	lae Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 7600	, Rise (mm): 7600, Type: AP)						
Barrel Last Accessible Date	23-Nov-2006			Water 1.2m deep. Viewed from ends. Shape looks good						
Special Features										
Special Feature										
Special Feature										
(Type .)		7	N							
Noopured Bigg (mm)		1	IN							
Measured At Bing No				-						
Seg (mm)	0			-						
Boroont Sog	0									
Cidewall		NI	N	(There is readers vertical evolving close the sidewalls. There is						
		IN		leaching along some cracks - photo #1. Cracks range from hairline to						
Measured At Bing No				medium. Most cracks are on South wall. Inspected 30m of U/S end.						
Deflection (mm)	0			wall - photo 2.) 23Nov06						
Percent Deflection	0									
		NI	N	Covered with water						
Pulao (mm)	0		IN							
Monourod At Ding No.	0									
Abrasion (V/N)	No			-						
Abrasion (Y/N) No		NI	NI	(Crout at construction joints (sizeumfarential access) has datasised at						
Separation (mm)	25	IN	IN	- photo #2. Rings 2 & 3 North wall23-Nov-2006)						
	20	V	V							
Total No. of Crooked Diver		X	X	-						
Total No. of Rings with Two										
Min. Remaining Steel										
				-						
				-						
Longitudinal Stagger (Y/N)										
		X	X							
Corrosion By Soil (Y/N)				-						
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel												
Culvert Component		Last	Now	Explanation of Condition								
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 7600	, Rise (mm): 7600, Type: AP)								
Fish Passage Adequacy		8	8									
Baffle		Х	X	_								
(Туре :)												
Waterway Adequacy		8	8									
Icing (Y/N)	No			-								
Silting (Y/N)	No											
Drift (Y/N)	No											
Barrel General Rating		N	N	Rated "5" on 23/Nov/2006.								
Downstream End												
Culvert Component		Last	Now	Explanation of Condition								
Direction		E		With steel rail on top.								
End Treatment (Concrete, Steel, Others, None)	CONCRETE											
Headwall		7	7	Couple bullet holes in railing.								
Collar		X	Х									
Wingwalls		6	6	2 wide cracks on south wall. 1 wide crack on North wall.								
(Shape :)			_									
Cutoff Wall		N	N									
Bevel End		Х	Х									
Heaving (mm)	0											
Invert Above/Below Stream Bed	BELOW			Approx.								
Above/Below (mm)	600											
Scour Protection		7	7	Very little rock, well grassed. Minor settlement along wingwalls. SE								
(Type : RIP RAP)				W/W -								
(Avg. Rock Size(mm) : 300)												
Scour/Erosion			7									
Beavers (Y/N)	eavers (Y/N) No											
Downstream End General Ration	ng	6	6									
			Structu	ra llsana								
		Last	Now	Explanation of Condition								
Channel (U/S and D/S)												
Alignment		7	7									
Bank Stability		5	5	(Lots of springs & minor slides. 08/Apr/2005)								
HWM (m below Top of Culvert)				HWM not visible.								
Drift (Y/N)	Yes											
Channel Bottom Degrading/Aggrading				_								
Beavers (Y/N) No												
(Fish Compensation Measure 1 :	NONE)			-								
(Fish Compensation Measure 2 :	NONE)											
Channel General Rating		5	5									

Maintenance Recommendations												
Inspector Recommendations	Y	/ear	Inspecto	r Comments		Department Comments				Est. Cost	Cat #	
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING	;											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUT	OFF											
REPAIR SEAMS												
OTHER ACTION	2	2012	Level 2 inspection to inspect floor as per previous commentsdo if not done.									
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/N (%)	ow) 5	55.6/55.0	6	Sufficiency Ratin (%)	ig (Last/Now)	65.9/65.8	8 Est. Repl. Yr 2040		Maint. Reqd. (Y/N		Yes	
Special Comments for Next Inspection 2 inspection 08/Apr	on. Should oid a disa: /05	d check ister sim	floor at lo ilar to We	w water to review o eed Creek on Hwy :	condition, if not 39. Consider Level	Department Comments						
Maintenance Reviewed By						Date		E	Estimated Total	Total 0		
Proposed Long-Term Strategy								i -				
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Arnold A	rnold Assenheimer Prev				s Assistant's Name						
Next Inspection Date 10-J		10-Jan-2014			Previous	us Inspection Date 22-Jun-2010						
Inspection Cycle (Default) (months) 21												
Comment												