Bridge Culvert Inspection														
Bridge File Number 01239		01239 -1	239 -1 Bridge Culvert					Form Type		CUL1				
Year Built 1955		1955	955				Lot No.			4				
Bridge or Town	Name	GRANU	RANUM					or Name		Garry Roberts				
Located Over		ROCKY	COULEE, 2.1	2.24, WA	TERCF	RS-ST	Inspector Class			BR CLS A				
Located On		519:02 C	20.702				Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	'ear					Inspection Date			21-May-2010					
Legal Land Location SE SEC			5 TWP 11 RGE 24 W4M					ntry By		Kelsey Roberts				
Longitude, Latitude -113:14:		:19, 49:52:25					ntry Date		17-Aug-2010					
Road Authority Alberta T			Transportation (AIT)					er Name		Ash Morjaria				
Contract Main. Area CMA26								Date		29-May-2010				
Clear Roadway/Skew 8.5 / 5 de			eg. (RHF)		Dept. Reviewer Name			Lorenz Bohnert						
AADT/Year	AADT/Year 1,940 / 2		2009 (A)					Dept. Review Date		18-Aug-2010				
Road Classifica	ation	RCU-209	9-110				Follow-Up By							
Detour Length	(km)	5												
Bridge Culvert Information														
Number of Culverts 1														
Pipe #	Barrel	5	Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	1	1735	1920		SPE		24.4		152X51	2.8,2.8,2.8	ELLIPSE		
Special Feature	es													
Special Feature	es Comi	ment												
Utilities (Located at)														
Telephone	S.CITC	l n cida					Gas							
Othere	Zwire	n. side												
Duners		Problem (Y/N) No												
Remarks														
Last Now Explanation of Condition														
Horizontal Aligr	nment				9	8	in sag between two hills, sight dist.							
Vertical Alignment				7	7	good, f	d ent to s	south o	n each side					
			44.500				Road w	Road widen in 2006						
Roadway Width	ay Width (m) 11.500													
Embankment	Embankment				8 7									
Sideslope (	_:1)		4.0			_								
(Height of Co	ver(m) :	2.5)												
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7								
						Upstrea	am End							
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion				
Direction			N		NORTH	ł								
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall					X	Х								
Collar					X	Х								
Wingwalls					X	X								
(Shape · )					~	~								
Cutoff Wall					X	X								
Saton train														

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		9	8	extend with 1600mm csp						
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		8	8							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 300)			-							
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Upstream End General Rating		9	8							
		Drie		wart Parral						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # 1 Primary Span Locat	tion Code: MAIN_Sna	n (mm)	). 1735	Rise (mm): 1920 Type: SPE)						
Barrel Last Accessible Date	21-May-2010		<u>, 1755</u>							
Darrei Last Accessible Date	21-101ay-2010									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		9	9	pipe has been lined with a 1300mm steel pipe and grouted in.						
Measured Rise (mm)	1600		-	1600mm CSP extended at each end of the pipe.						
Measured At Ring No.	1									
Sag (mm)	0									
Percent Sag										
Sidewall		q	q							
Measured Span (mm)	1600		0							
Measured At Ring No	1									
Deflection (mm)	0									
Percent Deflection				-						
Floor		0	0							
Rulao (mm)	0	9	9							
Mossured At Ping No.	1									
Abrasion (V/NI)	No									
Circumforantial Scame		0	0							
Circumterential Seams		9	9							
Separation (mm) 10			× ×							
Longitudinal Seams	0	X	X							
Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)	0									
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (V/N)	No									
			0	CSB						
	No	0	0							
	No									
Camper POS/ZERO/NEG	ZEKU									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel											
Culvert Component			Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 1735	, Rise (mm): 1920, Type: SPE)							
Fish Passage Adequacy		Х	5								
Baffle		X	X								
(Type : )											
Waterway Adequacy			7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No		-								
Barrel General Rating		9	9								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		S		SOUTH							
End Treatment (Concrete, Steel, Others, None)	STEEL		1								
Headwall		Х	X								
Collar		Х	X								
Wingwalls		X	X								
(Shape : )			1								
Cutoff Wall		Х	X								
Bevel End		9	8	CSP extension							
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	100		1								
Scour Protection		8	8								
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : <b>250</b> )			1								
Scour/Erosion			8								
Beavers (Y/N)	No										
Downstream End General Ratir	ng	9	8								
		s	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment		7	7								
Bank Stability			8	Shallow banks							
HWM (m below Top of Culvert)				No visible HWM							
Drift (Y/N) No											
Channel Bottom Degrading/Aggrading											
Beavers (Y/N) No											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		7	7								

Maintenance Recommendations												
Inspector Recommendations		Year Inspector Comments				Department Com	ments	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 (%)	w)	100.0/100.0		Sufficiency Rating (Last/Now) (%)		1.0/88.8 Est. Repl. Yr 2040		2040	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	Tim Dav	vies			Previous	Assistant's Name						
Next Inspection Date	21-Aug-	-2013			Previous	Inspection Date 27-Feb-2007						
Inspection Cycle (Default) (months)	39											
Comment												