Bridge Culvert Inspection														
Bridge File Nun	File Number 76457 -1 Bridge Culvert							Form Type		CUL1				
Year Built	Year Built 1966						Lot No.		1					
Bridge or Town Name LUNDBRECK							Inspector Name		Garry Roberts					
Located Over 2ND ORD CROWSN			DER TRIBUTARY TO SNEST RIVER, 2.12.36.2.1,				Inspector Class		BR CLS A					
	۱	WATER	CRS-ST				Assistant Name							
Located On 3:04 C1 13.660							Assistant Class							
Water Body Cl.	/Year						Inspecti	Inspection Date		29-Nov-2011				
Navigabil. Cl./Y	ear						Data Entry By		Alyssa Boynton					
Legal Land Location SW SEC 30 TWP 7 RG				GE 1 W5M			Data Er	try Date		04-Jan-2012				
Longitude, Latitude -114:08:0			07, 49:35:10	Review	er Name		Tom Carey							
Road Authority Alberta Tr			Transportation (AIT)				Review	Date		08-Dec-2011				
Contract Main. Area CMA26								Dept. Reviewer Name		Tim Davies				
Clear Roadway/Skew 13 /								Dept. Review Date		10-Jan-2012				
AADT/Year	3	3,630 / 2	2010 (A)				Follow-Up By							
Road Classifica	ation F	RAU-21	3.4-120											
Detour Length ((km) 3	3												
Bridge Culvert Information														
Number of Culverts 1														
Pipe #	Barrel	\$	Span	n Rise (or Dia		уре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		1738	1920	s	SPE		98.8				ELLIPSE		
Special Feature	es													
Special Feature	es Comm	nent												
					Utilit	ties (L	_ocated	at)						
Utility Attachments														
Telephone	North r/	/w					Gas							
Power							Municip	al						
Others Fibre optic cable in S ditch							Problem	ח (Y/N)	No					
Remarks	CAIVi	in N ditc	h-tv cable											
				Арр	broach	Road	d / Emba	nkment	Condi	tion				
						7	Croduo			horizontal				
Honzontal Alignment				7	7	curves. Passing allowe			ed.					
			_		1	'	W of 76	VV 01 /0548						
Roadway Width	n (m)		13.000											
Embankment				7	5	3:1 then 3m berm then 4:1 @ S. Slope improve have recently been								
Sideslope (<u>.</u> :1)		3.0				made to road embankment. Slump at North slope.							
(Height of Co	ver(m) : 8	8.5)												
Guardrail (Y/N) Yes														
Approach Roa	d / Emba	ankmen	nt General Rat	ing	7	7								
Culvert Component Last Now Ex								Explanation of Condition						
Direction			S	6 6		South e	nd.							
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall				X	Х									
Collar				Х	Х									
Wingwalls					Х	Х	-							
(Shape:)														

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	1		Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Cutoff Wall			X						
Bevel End		7	7						
Heaving (mm)									
Invert Above/Below Stream Bed BELOW									
Above/Below (mm) 1000									
Scour Protection		7	7	some 1000mm rock					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
		Brid	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1738	, Rise (mm): 1920, Type: SPE)					
Barrel Last Accessible Date	29-Nov-2011								
Special Features									
Special Feature									
(Type :)									
Special Feature									
(Type :)									
Roof		6	6	Rings are numbers incorrectly					
Measured Rise (mm)	1800								
Measured At Ring No.	17								
Sag (mm)	20								
Percent Sag	1								
Sidewall		6	6						
Measured Span (mm)	1765								
Measured At Ring No.	21								
Deflection (mm)	27								
Percent Deflection	1								
Floor		4	4	Cracked floor seam					
Bulge (mm)	100								
Measured At Ring No.	17								
Abrasion (Y/N)	No								
Circumferential Seams		7	7						
Separation (mm)	0								
Longitudinal Seams		4	3	Crks @ E long lower sidewall seam @ 7 bolts of ring 26 and five					
Total No. of Cracked Rings	2			bolts of ring 29. 72mm remaining steel @ ring26.					
Total No. of Rings with Two Cracked Seams	0			And 100mm remaining steel at ring 29, no change from previous					
Min. Remaining Steel Between Cracks (mm)	72								
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	No								
Coating		5	4	Rust stains through bottom seams.					
Corrosion By Soil (Y/N)	Yes			Superficial corrosion on floor.					
Corrosion By Water (Y/N)	Yes			ocario nave ainai olaining.					
Camber POS/ZERO/NEG	ZERO								

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Bridge Inspection & Maintenance System (Web 2005)

76457 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	<u>n (mm</u>): 1738	, Rise (mm): 1920, Type: SPE)						
Ponding (Y/N)	No									
Fish Passage Adequacy		4	4	1000mm drop in u/s end, 400mm drop out of d/s end						
Baffle		Х	Х							
(Type :)										
Waterway Adequacy		5	5	Has flowed full - Grass on roof bolts.						
Icing (Y/N)	No			(see HWM notes. Ices at D/S end)						
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		4	3							
		ם	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	1	N		North end.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall	leadwall		X							
Collar		Х	X							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall			X							
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	400									
Scour Protection			7	Some 500mm of rock						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 350)			-7							
Scour/Erosion		/	/							
Beavers (Y/N)	No									
Downstream End General Ration	ng	7	7							
		S	Structur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)		_	_							
Alignment			7							
Bank Stability			6	Steep banks downstream.						
HWM (m below Top of Culvert)	3.8			(Pipe has flowed with approx 2m head 920811). No visible HWM.						
Drift (Y/N)	Drift (Y/N) No									
Channel Bottom Degrading/Aggrading										
Beavers (Y/N)	Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			7							

Maintenance Recommendations												
Inspector Recommendations			Year	Inspecto	or Comments		Department Com	iments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION											
INSTALL CONCR	ETE/STEEL LINING											
INSTALL STRUTS	S											
INSTALL CONCRETE COLLAR/CUTOFF		DFF										
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION									_			
Structural Condition Rating (Last/Now) (%)			44.4/33.3	3	Sufficiency Rating (Last/Now) (%)		46.3/41.3	Est. Repl. Yr	2025	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	Presently cracked at 2 lower floor seams only. Monitor for crack growth and comments for lext Inspection Progression. No change at this inspection from previous (GR Nov 29/2011)						Department Comments					
Maintenance Reviewed By							Date			Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Ga		Garry R	Garry Roberts P			Previous	us Assistant's Name					
Next Inspection Date		29-Aug-2013 Pr			Previous	us Inspection Date 18-May-2010						
Inspection Cycle (Default) (months) 21		21										
Comment												