Bridge Culvert Inspection													
Bridge File Number 70640 -1			-1 Bridge Culvert				Form Type		CUL1				
Year Built 1992							Lot No.		4				
Bridge or Town	Name I	LINDBF	ROOK	ОК				Inspector Name		Jason Saly			
Located Over	H	HASTIN	INGS CREEK, 6.62.12, WATERCRS-					or Class		BR CLS A			
		ST	04.05.044				Assistant Name						
Located On	t Veer	630:02	<u>CT35.911</u>					Assistant Class					
Water Body CI./	rear							Inspection Date		26-Jun-2012			
Navigabil. Cl./Year				/484		Data Entry By		Marcia Chavez					
Legal Lanu Location SW SEC		2C 18 TWP 51 RGE 19 W4M					Data Entry Date		13-Jul-2012				
Road Authority Alberta		Alberta	48:13, 53:24:12					Reviewer Name		John O'Brien			
Contract Main. Area CMA09		)9					Review Date		05-Jul-2012				
Clear Roadway/Skew 9/26		9 / 26 d	deg (RHE)					Dept. Reviewer Name		Andrew Smikles			
AADT/Year 1.79		1.790 / 2	790 / 2011 (A)					Review Da	ate	19-Jul-2012			
Road Classificat	tion I	RCU-20	9-110		Follow-Up By								
Detour Length (I	km) :	3					-						
Bridge Culvert Information													
Number of Culverts 1													
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2430		SP		57.3		152X51	3.0	ROUND	
Special Features	s												
Special Features	s Comm	nent											
					Uti	ilities (L	ocated	at)					
Utility Attachme	nts												
Telephone Along west ditch.					Gas 35m East of c/l along r/w.								
Power	1 wire (	∋ O/H 20m East of c/l.					Municipal						
Others							Problem (Y/N) No						
Remarks	Remarks												
	Approach Road / Embankment												
					Last	Now	Explanation of Condition						
Vertical Alignment					1	(	curve to South with limited sight distance.					B. Crest vertical	
Roadway Width (m)		9.000		6	6								
										Graced in			
Embankment			0.0		6	6	Minor g	gully at N	w. Gra	ssed in.			
Sideslope (:	:1)	<b></b> \	3.0				-						
(Height of Cov	/er(m) : :	5)	Vee				100m c	wordroil		aat aida			
							156m guardrail along West side.						
Approach Road	d / Emba	ankmei	nt General Rat	ting	6	6							
						Upstre	am End			_			
Culvert Compo	nent				Last	Now	Explan	ation of	Condit	lion			
Direction	(0)				W		-						
End Treatment ( Others, None)	(Concret	te, Stee	I, SIEEL										
Headwall		X	Х										
Collar			X	X									
Wingwalls				X	X								
(Shape : )													
Cutoff Wall				X	Х								

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			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	Well vegetated.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating	1	7	7	
		Brid	dae Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1. Primary Span. Loca	tion Code: MAIN. Spa	an (mm	):	. Rise (mm): 2430. Type: SP)
Barrel Last Accessible Date	26-Jun-2012			
	20 0011 2012			
Special Features				
Special Feature				
(Type : )				_
Special Feature				
(Туре : )				
Roof		7	7	Could not measure rise due to silt on floor.
Measured Rise (mm)	2400			
Measured At Ring No.	8			
Sag (mm)	30			(1.2%. 10Aug2009).
Percent Sag	1			
Sidewall		7	7	
Measured Span (mm)	2437			
Measured At Ring No.	8			
Deflection (mm)	7			0.3%
Percent Deflection	0			_ 0.5 %
Floor	1.	N	N	Small amounts of rock in barrel floor: silt on floor
Bulge (mm)	0			
Measured At Ring No	0			-
Abrasion (V/N)	No			-
Circumforential Soome	110	7	7	
Circumerential Seams	0	1	1	
	0	7	7	
Total No. of Crooked Direct	0	/	/	
Total No. of Rings with Two	0			
Min. Remaining Steel				
	Ves			1
	Voc			
Longitudinal Stagger (Y/N) Yes			-	Cuparinial correction on floor plates halow by situation because
	Vac	5	5	Superiicial corrosion on hoor plates below longitudinal seams.
	Yes			-
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

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Bridge Inspection & Maintenance System (Web 2005)

70640 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2430, Type: SP)						
Fish Passage Adequacy		7	7							
Baffle		X	Х							
(Туре : )										
Waterway Adequacy		7	7	~100mm silt, length of barrel floor.						
Icing (Y/N)	No			Small logs/branches inside w/s bevel. Grass growing inside U/S						
Silting (Y/N)	Yes									
Drift (Y/N)	Yes									
Barrel General Rating		7 7								
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E		-						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar			Х							
Wingwalls		Х	Х							
(Shape : )			-							
Cutoff Wall		Х	X							
Bevel End		8	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	600									
Scour Protection		7	7							
(Type : <b>RIP RAP</b> )				-						
(Avg. Rock Size(mm) : <b>300</b> )										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	7	7							
		s	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			7							
Bank Stability			7							
HWM (m below Top of Culvert) 1.0				(30/May/2006) Not visible this inspection.						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading				(Large beaver dam upstream of inlet doesn't affect pipe much where it is. 30/May/2006) Not visible due to brush overgrowth.						
Beavers (Y/N) Yes										
(Fish Compensation Measure 1 :	NONE)			-						
(Fish Compensation Measure 2 :	NONE)		_							
Channel General Rating		7	7							

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents	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)	77.8/77.3	8 Sufficiency Rating (Last/No (%)	ow) 7	<b>75.8/75.7</b> Est. Repl. Yr 2048		2048	Maint. Re	Maint. Reqd. (Y/N) N		
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 Dave		am	P	Previous A	us Assistant's Name						
Next Inspection Date 26-S		26-Sep-2015			Previous Inspection Date 10-Aug-2009						
Inspection Cycle (Default) (months) 39											
Comment											