Bridge Culvert Inspection														
Bridge File Num					J		Form Type		CUL1					
Year Built		1977					Lot No			1				
Bridge or Town I	Name	EDSON	١				Inspec	tor Name		Wade Nannin	ga			
Located Over		BENCH	H CREEK, 8.11. RCRS-ST	107.25.1,			Inspec	tor Class		BR CLS A				
Located On 748:04 C1			1 3 828				Assistant Name							
Water Body Cl./	Year	7 10.0 1	0.020					ant Class		_				
Navigabil. Cl./Ye								tion Date		16-Apr-2013				
Legal Land Loca		NF SE	C 31 TWP 53 R	GF 16 W	5M			ntry By		Theresa Lacu	sta			
):46, 53:37:19	OL 10 W	OIVI			ntry Date		01-May-2013				
			Transportation (AIT)					Reviewer Name		Eric Carcoux				
Road Authority Alberta Tr Contract Main. Area CMA13			·						Review Date Dept. Reviewer Name		21-Apr-2013			
Clear Roadway/			deg. (LHF)	og (I HE)										
AADT/Year	ORCW		2012 (A)					Review Da	ate					
Road Classificat	ion	RCU-2	. ,					-Up By						
Detour Length (k	-	38	00 110											
Bridge Culvert Information														
Number of Culverts 1														
	Barrel		Span	pan Rise (or D		Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 N	MAIN		-	3360		SP	77.4			152X51	3.0	ROUND		
Special Features				10000		Į O.	17.4			102/101	0.0	INCOND		
Special Features														
Op.														
					Uti	ilities (L	ocated	at)						
Utility Attachments														
Telephone							Gas							
Power	1 wire	re W row					Munici							
Others						Problem (Y/N) No								
Remarks														
Approach Road / Embankment														
Horizontal Alignment				Last	Now	Explanation of Condition Field access & farm entrances each way. Crest curves with no								
Vertical Alignme					6	6		g to NB.	ann en	iliances each v	vay. Crest cur	ves with no		
Roadway Width	(m)		8.600											
Embankment					7	8m be	rm each s	ide nea	ear midpoint of embankment.					
Sideslope (:	:1)		3.0		7			,						
(Height of Cov		6)			-									
Guardrail (Y/N) No														
Approach Road	d / Emb	oankme	nt General Rat	ing	7	6								
						Unstre	am End							
Culvert Compo	nent				Last	Now		nation of	Condi	tion				
Direction		E												
End Treatment (Others, None)	Concre	ete, Stee	el, STEEL											
Headwall					Х	Х								
Collar					Х	Х								
Wingwalls			Х	X										
(Shape:)														

08129 -1 Bridge Culvert

	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Cutoff Wall		X	X								
Bevel End		N	6								
Heaving (mm)	300										
Invert Above/Below Stream Bed											
Above/Below (mm)											
Scour Protection		N	4								
(Type : NONE)											
(Avg. Rock Size(mm):)											
Scour/Erosion		N	4	Scoured around bevel end.							
Beavers (Y/N)	No										
Upstream End General Rating		4	4								
		Bri	dge Cu	ilvert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	າ):	, Rise (mm): 3360, Type: SP)							
Barrel Last Accessible Date	16-Feb-1989			1/2 full ice - ice to thin to enter, viewed from ends shape looks good. (Estimated sag & deflection.) 1998/05/06							
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Type:)											
Roof		N	N	(4.5% est.) 1998/05/06							
Measured Rise (mm)											
Measured At Ring No.											
Sag (mm)	150										
Percent Sag											
Sidewall		N	N	(4.5% est.) 1998/05/06							
Measured Span (mm)											
Measured At Ring No.											
Deflection (mm)	150										
Percent Deflection											
Floor		N	N								
Bulge (mm)											
Measured At Ring No.											
Abrasion (Y/N)											
Circumferential Seams		N	N								
Separation (mm)	0										
Longitudinal Seams		N	N								
Total No. of Cracked Rings	0										
Total No. of Rings with Two Cracked Seams											
Min. Remaining Steel Between Cracks (mm)				1N stagger.							
Proper Lap (Y/N)	No										
Longitudinal Stagger (Y/N)	Yes										
Coating		N	N								
Corrosion By Soil (Y/N)				1							
Corrosion By Water (Y/N)	Yes			1							
Camber POS/ZERO/NEG	NEG										

08129 -1 Bridge Culvert

	Bridge Culvert Barrel								
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):		, Rise (mm): 3360, Type: SP)					
Ponding (Y/N)	Yes			1.0 m deep.					
Fish Passage Adequacy		7	7						
Baffle		N	N						
(Type:)									
Waterway Adequacy		5	5	Ice to 0.3m from crown-Nov, 2009					
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	N	GR previously unknown					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		W							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall			Х						
Bevel End		N	N	urried in snow/ice					
Heaving (mm)	300								
Invert Above/Below Stream Bed									
Above/Below (mm)									
Scour Protection		N	N						
(Type:)									
(Avg. Rock Size(mm) :)									
Scour/Erosion		N	N						
Beavers (Y/N)	No			Can't see beaver dams.					
Downstream End General Ratio	ng	5	5	G.R. carried over.					
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		6							
Alignment			5	Sharp curve both directions.					
Bank Stability			6						
HWM (m below Top of Culvert)	0.3			WL u/s Nov 20, 2009					
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading									
Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	5						

				Maintenance R	ecommen	dations					
Inspector Recommendations		Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LININ	G										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CU	ΓOFF										
REPAIR SEAMS											
OTHER ACTION		2013	Barrel last acceseed in 1989. Consider Level 2 inspection to dewater and inspect.								
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/ (%)	Now)	55.6/55.	.6	Sufficiency Rating (Last (%)	/Now)	60.4/50.0 Est. Repl. Yr 202		2028	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By					Date		l	Estimated Tota	1 0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Kri		sters			Previous	s Assistant's Name					
		2016			Previous	Inspection Date	20-Nov-2009				
Inspection Cycle (Default) (months) 39											
Comment											