					Brida	e Culve	art Insn	action						
Bridge File Number 75209 -1 Bridge Culvert				-mug	ge Culvert Inspection Form Type				CUL1					
Year Built/Lined 1960/1994							Lot No.			4				
Bridge or Town Name DUCHESS						Inspector Name			Jon Davies					
Located Over	11141110		RIGATION C,	WATERCE	RS-IC		Inspector Class		BR CLS B					
Located On		36:08 C			10 10		Assistant Name		BIX GEO B					
Water Body CI	./Year	00.000					Assistant Class							
Navigabil. Cl./							Inspection Date		11-Jan-2012					
Legal Land Lo		SE SEC					Data Entry By		Anne Roberts					
Longitude, Lati								Data Entry Date		25-Feb-2012				
Road Authority Alberta			a Transportation (AIT)				Reviewer Name		Garry Roberts					
Contract Main. Area CMA23						Review Date		20-Jan-2012						
Clear Roadway/Skew 12 / -12		12 / -12	-					Reviewer	Name	Tim Davies				
							Dept. Review Date		11-Mar-2012					
			NU-211.8-110				Follow-Up By							
Detour Length	(km)	3					1	' '						
Bridge Culver										'				
Number of Cul			1											
Pipe #	Barrel	,	Span	Rise (or D	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
2	MAIN F	-ULL -	-	2200		MP		36		125X26	2.8	ROUND		
Special Featur														
Special Featur	es Comi	ment												
	.				Uti	lities (L	ocated	at)						
Utility Attachm	ents								40					
Telephone						Gas		40 m	VV					
Power High volt 40m E of CL&1W 30m W)m VV			Municipal Problem (Y/N) No								
Others					Proble	m (Y/N)	No							
Remarks				Λn	proof	oh Boo	d / Emb	nkmont						
							d / Embankment Explanation of Condition							
Horizontal Alignment					8	7	Entrances north and south.							
Vertical Alignment					6	6	Rises to south. No passing SB.							
							@ pipe - 4:1 at slopes past pipe. 8:1 over pipe ends							
							Deline	Delineator posts						
Roadway Width (m)		11.000												
Embankment					7	6								
Sideslope (_	Sideslope (:1) 4.0		4.0											
(Height of Co	· ·	: 1)												
Guardrail (Y/N)			No											
Approach Roa		bankmer	nt General Rat	ina	6	6								
				-9										
							am End							
Culvert Comp	onent				Last	Now		ation of	Condi	tion				
Direction	1000	-t- Ct-	CTEE				W							
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL											
Headwall				X	X									
Collar					Χ	X								

0 BELOW 300 No on Code: MAIN, Spa 11-Jan-2012	X 8 8 Brit	X X 7 7 7 Adge Cu	Explanation of Condition Solution
BELOW 300 No on Code: MAIN, Spa	X 8 8 Brit	X X 7 7 7 dge Cu	Ivert Barrel Explanation of Condition
BELOW 300 No on Code: MAIN, Spa	X 8 8 8 Brit Last	X 7 7 7 dge Cu	Explanation of Condition
BELOW 300 No on Code: MAIN, Spa	8 8 8 Bri	7 7 7 dge Cu	Explanation of Condition
BELOW 300 No on Code: MAIN, Spa	8 8 8 Bri	7 7 7 dge Cu	Explanation of Condition
BELOW 300 No on Code: MAIN, Spa	8 8 Brit	7 7 dge Cu	Explanation of Condition
BELOW 300 No on Code: MAIN, Spa	8 8 Brit	7 7 dge Cu	Explanation of Condition
No on Code: MAIN, Spa	8 8 Brit	7 7 dge Cu	Explanation of Condition
No on Code: MAIN, Spa	8 8 Brit	7 7 dge Cu	Explanation of Condition
on Code: MAIN, Spa	8 8 Brit	7 7 dge Cu	Explanation of Condition
on Code: MAIN, Spa	8 Brit	7 dge Cu Now	Explanation of Condition
on Code: MAIN, Spa	8 Brit	7 dge Cu Now	Explanation of Condition
on Code: MAIN, Spa	8 Brit	7 dge Cu Now	Explanation of Condition
on Code: MAIN, Spa	Brid	dge Cu Now	Explanation of Condition
	Brid	dge Cu Now	Explanation of Condition
	Last	Now	Explanation of Condition
	Last	Now	Explanation of Condition
		1).	, Rise (IIIII). 2200, Type. MF)
11-Jan-2012			
	1		
	N	7	
2173			Estimate
1			
27			
1			
	N	7	
2225			
2			
25			
1			
	N	N	Ice covered
	N	4	Vertical gap with minor soil infiltration @ u & d/s bevel joints, 175 mm
175			u/s, 110 mm d/s
	Х	X	50mm longit separation
			Doesn't appear soil is actively coming through seam
	NI	5	Minor superficial corrosion on the lower half
No	IN	J	I will of superficial corresion on the lower fidit
			-
1 2 1 2 2 1 1 N	75	N N N N N N N N N N N N N N N N N N N	N 7 2225 N N N N N N X X N 5

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2200, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	7	
				eam End
Culvert Component		Last	Now	Explanation of Condition
Direction				East
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls			Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		8	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		8	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	7	
		s	tructu	re Usage
		Last Nov		Explanation of Condition
Channel (U/S and D/S)			1	
Alignment		7	7	Control gate 60 m u/s.
Bank Stability		7	6	
HWM (m below Top of Culvert)	1.0			No visible HWM
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

			Mainten	ance Recommer	ndations					
Inspector Recommendations	Year	Inspecto	r Comments		Department Com	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.6/7	7.8	Sufficiency Rating	g (Last/Now)	70.6/79.1	Est. Repl. Yr	2031	Maint. Re	eqd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Stimated Tota	ıl O	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Tom Carey			Previou	Assistant's Name					
Next Inspection Date	11-Oct-2013			Previou	s Inspection Date	22-Jun-2010				
Inspection Cycle (Default) (months)	21									
Comment										